SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF AGRICULTURE
DEPARTMENT OF AGRICULTURE

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **SVU Campus**	Date: 16/12/2024
Convenor: **Dr. Tanmoy Sarkar**	Start time: 11 AM	End time: 1 PM

Attendees
Dr. Tanmoy Sarkar (Chairman, BOS)
Prof. (Dr.) Swapan Kumar Datta (Advisor)
Prof. (Dr.) Champak Kumar Kundu (External Member from Academics)
Prof. (Dr.) Mahadev Pramanick (External Member from Academics)
Prof. (Dr.) Dhananjoy Dutta (External Member from Academics)
Dr. Sudip Sengupta (Member)
Dr. Avishek Chatterjee (Member)
Dr. Suprabuddha Kundu (Member)
Dr. Ria Mukhopadhyay (Member)
Dr. Anirneeta De (Member)
Mr. Tanmoy Majhi (Member)
Mr. Rakesh Das (Member)
Mr. Parijat Bhattacharya (Member)
Ms. Sayani Bhowmick (Member)
Mr. Mahafuzar Rahaman (Member)

Agenda
❖ Finalization of syllabus and course curriculum of M.Sc (Ag) in Agronomy ❖ Approval of mode of examination. ❖ Approval of Question pattern and Marks distribution.

Dr. Tanmoy Sarkar, HOD, School of Agriculture discussed the following agenda in presence of all the Board of Studies members.

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Minutes of 10th Board of Studies (BOS) Meeting

Agenda 1: Finalization of syllabus and course curriculum of M.Sc (Ag) in Agronomy
Proposition: The syllabus under the course of M.Sc (Ag) in Agronomy was proposed for approval.
Resolution: The board unanimously approved the syllabus and course curriculum.

Agenda 2: Approval of Mode of examination
Proposition: Offline mode of examination for continuous assessment, end-term (theory and practical wherever it was required in the current semester course along with the ongoing first, third and fifth semester was proposed.
Resolution: The board unanimously approved the mode of examination.

Agenda 3: Approval of Question pattern and Marks distribution
Proposition:
Question pattern:
Continuous assessment:
Term-paper assignments were assigned to the students for their individual performance.
Mid-term examination:
Two midterm examination (one written and one presentation mode). The question papers of total 40 marks (each). The time duration was 1.5 hours.
End-term theory examination:
There were three parts in the question paper: (i) 10 MCQs of 10 Marks, (ii) 4 questions of 5 marks each and (iii) 2 questions of 15 marks each; total 60 and duration of examination 150 minutes.
End-term practical question paper:
The question paper contained three groups: Group A included 30 Marks practical assessment and Group B included 10 marks practical copy and group C included 20 marks of viva voce. Total Marks 60 and duration of examination 120 minutes
Marks distribution:
Finally total marks will be made on a scale of 100, where percent sharing of different evaluation components are as follows:

a. External theory (50%)
b. Internal Theory + Practical (50%)
c. Courses with Theory and Practical
   Mid-term Exam (30%) + Assignment (5%) in practical oriented courses + Practical (15%)
d. Courses with only Theory
   Mid-term Exam (40%) + Assignment (10%)
e. Courses with only Practical:
   (100%) Internal

Finally total marks will be made on a scale of 100, where percent sharing of different evaluation components are as follows:

Continuous assessment (5)
Mid-term (30)
End-term Practical (15)
End-term Theory (50)
Total (100)

Resolution: The proposal was approved by the board members. The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By
Dr. Tanmoy Sarkar
HOD, School of Agriculture, Swami Vivekananda University

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Attendance:

Member	*Signature*
Dr. Tanmoy Sarkar (Chairman, BOS)	Tanmoy Sarkar.
Prof. (Dr.) Swapan Kumar Datta (Advisor)	
Prof. (Dr.) Champak Kumar Kundu (External Member from Academics)	16/12/2024
Prof. (Dr.) Mahadev Pramanick (External Member from Academics)	Mahadev Pramanick 16/12/2024
Prof. (Dr.) Dhananjoy Dutta (External Member from Academics)	Dhananjoy Dutta 16/12/2024
Dr. Sudip Sengupta (Member)	Sudip Sengupta 16/12/24.
Dr. Avishek Chatterjee (Member)	Avishek Chatterjee 16/12/2024
Dr. Suprabuddha Kundu (Member)	Suprabuddha Kundu 16/12/2024
Dr. Ria Mukhopadhyay (Member)	Ria Mukhopadhyay 16/12/24
Dr. Anirneeta De (Member)	Anirneeta De 16/12/2024
Mr. Tanmoy Majhi (Member)	Tanmoy Majhi
Mr. Rakesh Das (Member)	Rakesh Das. 16/12/24
Mr. Parijat Bhattacharya (Member)	Parijat Bhattacharya 16/12/24
Ms. Sayani Bhowmick (Member)	Sayani Bhowmick 16/12/24
Mr. Mahafuzar Rahaman (Member)	Mahafuzar Rahaman

Date: 16.12.2024

Enclosure:

1. M.Sc. Agriculture (Agronomy) syllabus

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SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF AGRICULTURE
DEPARTMENT OF AGRICULTURE

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline, SVU**	Date: **23/06/2025**
Convenor: **Dr. Tanmoy Sarkar**	Start time: **12:00 p.m.**	End time: **2:00 p.m**

Attendees
Dr. Tanmoy Sarkar (Chairman, BOS)
Prof. (Dr.) Swapan Kumar Datta (Advisor)
Prof. (Dr.) Nirmal Mandal (External Member from Academics)
Prof. (Dr.) Champak Kumar Kundu (External Member from Academics)
Prof. (Dr.) Mahadev Pramanick (External Member from Academics)
Prof. (Dr.) Susanta Kumar Sarkar (External Member from Academics)
Dr. Sudip Sengupta (Member)
Dr. Animesh Ghosh Bag (Member)
Dr. Suprabuddha Kundu (Member)
Dr. Anirneeta De (Member)
Dr. Ria Mukhopadhyay (Member)
Mr. Tanmoy Majhi (Member)
Dr. Rakesh Das (Member)
Dr. Parijat Bhattacharya (Member)
Ms. Sayani Bhowmick (Member)
Dr. Mahafuzar Rahaman (Member)

Dr. Tanmoy Sarkar, HOD, School of Agriculture discussed the following agenda in presence of all the Board of Studies members.

Minutes of 11th Board of Studies (BOS) Meeting

Agenda 1: Confirmation of module-wise 6th Dean Committee Syllabus for B.Sc (Ag.)

Proposition: The Board proposed to adopt the restructured syllabus as per the recommendations of the 6th Deans' Committee under NEP-2020. The syllabus includes a four-year program with multiple entry and exit options (UG-Certificate after 1st year, UG-Diploma after 2nd year, and UG Degree after 4th year). The curriculum emphasizes foundation, core, advanced, and specialization courses, along with skill enhancement, internship, online/MOOCs, elective courses, and new-age subjects such as Artificial Intelligence and Robotics.

Resolution: The Board unanimously approved the adoption of the syllabus as per the 6th Deans' Committee framework.

Agenda 2: Approval for mode of class conduction

Proposition: Offline mode of class conduction was proposed.

Resolution: The Board approved offline mode of class conduction as recommended by the 6th Deans' Committee, however, combining traditional classroom teaching with online/digital resources to enhance accessibility, inclusivity, and quality of education can be adopted based on online/MOOCs.

Agenda 3: Approval of question pattern and marks distribution

Proposition: The following examination and evaluation system was proposed as per the 6th Deans' Committee:

Question pattern:

First semester

Continuous assessment:
Term-paper assignments were assigned to the students for their individual performance.

Mid-term examination:
Two midterm examination. The question papers of total 40 marks (each). The time duration was 1.5 hours.

End-term theory examination:
There were three parts in the question paper: (i) 10 MCQs of 10 Marks, (ii) 4 questions of 5 marks each and (iii) 2 questions of 15 marks each; total 60 and duration of examination 150 minutes.

End-term practical question paper:
The question paper contained three groups: Group A included 30 Marks practical assessment and Group B included 10 marks practical copy and group C included 20 marks of viva voce. Total Marks 60 and duration of examination 120 minutes

Second semester

The same question pattern will be followed in second semester also.

Third Semester onwards

Continuous assessment:
Term-paper assignments were assigned to the students for their individual performance.

Mid-term examination:
Two midterm examination. The question papers of total 30 marks (each). The time duration was 1 hours.

End-term theory examination:

There were three parts in the question paper: (i) 15 MCQs of 15 Marks, (ii) 5 questions of 5 marks each and (iii) 2 questions of 15 marks each; total 70 and duration of examination 180 minutes.

End-term practical question paper:
The question paper contained three groups: Group A included 40 Marks practical assessment and Group B included 10 marks practical copy and group C included 20 marks of viva voce. Total Marks 70 and duration of examination 180 minutes.

Marks distribution

Finally total marks will be made on a scale of 100, where percent sharing of different evaluation components are as follows:

Examination
a. External theory (50%)
b. Internal Theory + Practical (50%)
c. Courses with Theory and Practical
Mid-term Exam (30%) + Assignment (5%) in practical oriented courses + Practical (15%)
d. Courses with only Theory
Mid-term Exam (40%) + Assignment (10%)
e. Courses with only Practical:
(100%) Internal

Finally total marks will be made on a scale of 100, where percent sharing of different evaluation components are as follows:

Continuous assessment (5)
Mid-term (30)
End-term Practical (15)
End-term Theory (50)
Total (100)

Resolution: The Board approved the evaluation and grading framework as per the 6th Deans' Committee recommendations, replacing the earlier question pattern and marks distribution.
The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By
Dr Tanmoy Sarkar.

Dr. Tanmoy Sarkar

HOD, School of Agriculture

Attendance:

Member	*Signature*
Dr. Tanmoy Sarkar (Chairman, BOS)	Dr. Tanmoy Sarkar.
Prof. (Dr.) Swapan Kumar Datta (Advisor)	SK Datta
Prof. (Dr.) Nirmal Mandal (External Member)	
Prof. (Dr.) Champak Kumar Kundu (External Member)	
Prof. (Dr.) Mahadev Pramanick (External Member)	Mahadev Pramanick
Prof. (Dr.) Susanta Kumar Sarkar (External Member)	
Dr. Sudip Sengupta (Member)	Sudip Sengupta
Dr. Suprabuddha Kundu (Member)	Suprabuddha Kundu
Dr. Animesh Ghosh Bag (Member)	Animesh Ghosh Bag
Dr. Anirneeta De (Member)	Anirneeta De
Dr. Ria Mukhopadhyay (Member)	Ria Mukhopadhyay
Mr. Tanmoy Majhi (Member)	Tanmoy Majhi
Dr. Rakesh Das (Member)	Rakesh Das
Dr. Parijat Bhattacharya (Member)	Parijat Bhattacharya
Ms. Sayani Bhowmick (Member)	Sayani Bhowmick
Dr. Mahafuzar Rahaman (Member)	Mahafuzar Rahaman

Date: 23/06/2025

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121

Minutes of 6th BOS Committee Meeting

Department of Biotechnology

School of Life Sciences

Dated: 22.01.2024, 1 pm onwards

Attendance Sheet

Sl.	Name & Designation	Position	Signature
1	Dr. Pritha Pal, Head, Department of Biotechnology & Microbiology, School of Life Sciences	Chairperson	22/1/24
2	Prof. Kousik Pramanick, Department of Life Sciences, Presidency University	External Expert (Academic)	22.01.24
3	Dr. Semanti Ghosh, Assistant Professor, Dept. of Biotechnology	Member	Semanti Ghosh 22.01.24.
4	Dr Sibashish Baksi, Assistant Professor, Dept of Biotechnology	Member	Sibashish Baksi 22.1.24
5	Dr. Sabyasachi Ghosh, Assistant Professor, Dept. of Biotechnology	Member	Sabyasachi Ghosh 22/1/24
6	Dr Srijan Haldar, Department of Biotechnology, Associate Professor	Member	Srijan Haldar 22.01.24
7	Dr Debjit De, Department of Biotechnology	Member	Debjit De 22.01.24
8	Dr. Subhasis Sarkar, Assistant Professor, Dept of Microbiology	Invited Member	Subhasis Sarkar 22.01.2024
9	Dr. Aritri Laha, Assistant Professor, Dept of Microbiology	Invited Member	Aritri Laha 22.01.24

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kanthalia, WB - 700121

School of Life Sciences

B.Sc. (Honours) in Biotechnology Programme

Structure 2021 (As per UGC CBCS Template)

Agenda of BOS Committee Meeting

- Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester II (National Education Policy).
- Revision and restructuring of the syllabus of the undergraduate course according to the National Education Policy.

Syllabus for UG Biotechnology SEM II

Category	Subject	Credit
Major	Mammalian Physiology	3+1
Minor	Cell Biology	3+1
Interdisciplinary subject	Life Skills Education	3
Ability Enhancement Courses	Modern Indian Language	2
Skill Enhancement Courses	General Microbiology	3
Value Added Course	Health, Well Being and Yoga	4
Internship	Internship at reputed research institute/ at industry	2

Course Name: Mammalian Physiology
Credits: 3+1
Allotted Hrs. 60

Module-I **[10H]**

Digestion and Respiration: Digestion: Mechanism of digestion & absorption of carbohydrates, Proteins, Lipids and nucleic acids. Composition of bile, Saliva, Pancreatic, gastric and intestinal juice Respiration: Exchange of gases, Transport of O_2 and CO_2, Oxygen dissociation curve, Chloride shift.

Module-II **[10H]**

Circulation: Composition of blood, Plasma proteins & their role, blood cells, Haemopoisis, Mechanism of coagulation of blood. Mechanism of working of heart: Cardiac output, cardiac cycle, Origin & conduction of heart beat.

Module-III **[10H]**

Muscle physiology and osmoregulation: Structure of cardiac, smooth & skeletal muscle, threshold stimulus, All or None rule, single muscle twitch, muscle tone, isotonic and isometric contraction, Physical, chemical & electrical events of mechanism of muscle contraction. Excretion: modes of excretion, Ornithine cycle, Mechanism of urine formation.

Module-IV **[10H]**

Nervous and endocrine coordination: Mechanism of generation & propagation of nerve impulse, structure of synapse, synaptic conduction, saltatory conduction, Neurotransmitters. Mechanism of action of hormones (insulin and steroids) Different endocrine glands– Hypothalamus, pituitary, pineal, thymus, thyroid, parathyroid and adrenals, hypo & hyper-secretions.

Module-V **[20H]**

1. Finding the coagulation time of blood
2. Determination of blood groups
3. Counting of mammalian RBCs
4. Determination of TLC and DLC
5. Demonstration of action of an enzyme
6. Determination of Hemoglobin

Course Name: Cell Biology
Credits: 3+1
Allotted Hrs. 60

Module-I: **[10H]**

Cell: Introduction and classification of organisms by cell structure, cytosol, compartmentalization of eukaryotic cells, cell fractionation. Cell Membrane and Permeability: Chemical components of biological membranes, organization and Fluid Mosaic Model, membrane as a dynamic entity, cell recognition and membrane transport.

Module-II: **[10H]**

Membrane Vacuolar system, cytoskeleton and cell motility: Structure and function of microtubules, Microfilaments, Intermediate filaments. Endoplasmic reticulum: Structure, function including role in protein segregation. Golgi complex: Structure, biogenesis and functions including role in protein secretion.

22.01.

Module-III: **[10H]**

Lysosomes: Vacuoles and micro bodies: Structure and functions Ribosomes: Structures and function including role in protein synthesis. Mitochondria: Structure and function, Genomes, biogenesis. Chloroplasts: Structure and function, genomes, biogenesis Nucleus: Structure and function, chromosomes and their structure.

Module-IV: **[10H]**

Extracellular Matrix: Composition, molecules that mediate cell adhesion, membrane receptors for extra cellular matrix, macromolecules, regulation of receptor expression and function. Signal transduction. Cancer: Carcinogenesis, agents promoting carcinogenesis, characteristics and molecular basis of cancer.

Module-V: **[20H]**

1. Study the effect of temperature and organic solvents on semi permeable membrane.
2. Demonstration of dialysis.
3. Study of plasmolysis and de-plasmolysis.
4. Cell fractionation and determination of enzyme activity in organelles using sprouted seed or any other suitable source.
5. Study of structure of any Prokaryotic and Eukaryotic cell.
6. Microtomy: Fixation, block making, section cutting, double staining of animal tissues like liver, oesophagus, stomach, pancreas, intestine, kidney, ovary, testes.
7. Cell division in onion root tip/ insect gonads.
8. Preparation of Nuclear, Mitochondrial & cytoplasmic fractions.

Course Name: General Microbiology
Credits: 3
Allotted Hrs. 45

Module-I **[15H]**

Fundamentals, History and Evolution of Microbiology. Classification of microorganisms: Microbial taxonomy, criteria used including molecular approaches, Microbial phylogeny and current classification of bacteria. Microbial Diversity: Distribution and characterization Prokaryotic and Eukaryotic cells, Morphology and cell structure of major groups of microorganisms e.g., Bacteria, Algae, Fungi, Protozoa and Unique features of viruses.

Module-II **[7H]**

Cultivation and Maintenance of microorganisms: Nutritional categories of micro- organisms, methods of isolation, Purification and preservation.

22.01.

Module-III **[8H]**

Microbial growth: Growth curve, Generation time, synchronous batch and continuous culture, measurement of growth and factors affecting growth of bacteria. Microbial Metabolism: Metabolic pathways, amphi-catabolic and biosynthetic pathways Bacterial Reproduction: Transformation, Transduction and Conjugation. Endospores and sporulation in bacteria.

Module-IV **[15H]**

Control of Microorganisms: By physical, chemical and chemotherapeutic Agents Water Microbiology: Bacterial pollutants of water, coliforms and non coliforms. Sewage composition and its disposal. Food Microbiology: Important microorganism in food Microbiology: Moulds, Yeasts, bacteria. Major food born infections and intoxications, Preservation of various types of foods. Fermented Foods.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **16.04.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Principal, Bidhan Nagar College (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Srijan Haldar (Member)
Dr. Semanti Ghosh (Member)
Dr. Priyajit Banerjee (Member)
Dr. Sabyasachi Ghosh (Member)
Dr. Debjit De (Member)
Dr. Subhasis Sarkar (Invited Member)
Dr. Bidisha Ghosh (Member)
Dr. Priyankar Pal (Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester III (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of 5th Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester III (National Education Policy 2020).

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester III students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Bidisha Ghosh	
Dr. Subhasis Sarkar	
Dr Sabyasachi Ghosh	
Dr Semanti Ghosh	
Dr Priyajit Banerjee	
Dr Priyankar Pal	
Dr. Debjit De	

Date: 16/04/2024

Enclosure: Course Structure and Detailed NEP syllabus

UG Biotechnology, Semester III – NEP Syllabus

Category	Subject Name	Subject Code	Subject Credit
Major	Genetics	BBT3011	3
	Genetics Lab	BBT3011	1
	Molecular Biology	BBT3012	3
	Molecular Biology Lab	BBT3012	1
Minor	General Chemistry	BBT3021	3
	General Chemistry Lab	BBT3021	1
Skill Enhancement Course	SEC: Biotechnology & Human Welfare	BBT3051	3
Ability Enhancement Course	AEC: Communicative English	AEC3041	2
Interdisciplinary Course	IDC: Educational Research	ED3031	3
	Internship		2

Course Name: Genetics
Course Code: BBT3011

Module-I: [12H]
Introduction: Historical developments in the field of genetics. Organisms suitable for genetic experimentation and their genetic significance. Cell Cycle: Mitosis and Meiosis: Control points in cell-cycle progression in yeast. Role of meiosis in life cycles of organisms. Mendelian genetics: Mendel's experimental design, monohybrid, di-hybrid and tri hybrid crosses, Law of segregation & Principle of independent assortment. Verification of segregates by test and back crosses, Chromosomal theory of inheritance, Allelic interactions: Concept of dominance, recessiveness, incomplete dominance, co-dominance, semi-dominance, pleiotropy, multiple allele, pseudo-allele, essential and lethal genes, penetrance and expressivity.

Module-II: [18H]
Non allelic interactions: Interaction producing new phenotype complementary genes, epistasis (dominant & recessive), duplicate genes and inhibitory genes. Chromosome and genomic organization: Eukaryotic nuclear genome nucleotide sequence composition – unique & repetitive DNA, satellite DNA. Centromere and telomere DNA sequences, middle repetitive sequences- VNTRs & dinucleotide repeats, repetitive transposed sequencesSINEs & LINEs, middle repetitive multiple copy genes, noncoding DNA. Genetic organization of prokaryotic and viral genome. Structure and characteristics of bacterial and eukaryotic chromosome, chromosome morphology, concept of euchromatin and heterochromatin. packaging of DNA molecule into chromosomes, chromosome banding pattern, karyotype, giant chromosomes, one gene one polypeptide hypothesis, concept of cistron, exons, introns, genetic code, gene function.

Module-III: [15H]
Chromosome and gene mutations: Definition and types of mutations, causes of mutations, Ames test for mutagenic agents, screening procedures for isolation of mutants and uses of mutants, variations in chromosomes structure - deletion, duplication, inversion and translocation (reciprocal and Robertsonian), position effects of gene expression, chromosomal aberrations in human beings, abonormalities– Aneuploidy and Euploidy. Sex determination and sex linkage: Mechanisms of sex determination, Environmental factors and sex determination, sex differentiation, Barr bodies, dosage compensation, genetic balance theory, Fragile-X-syndrome and chromosome, sex influenced dominance, sex limited gene expression, sex linked inheritance.

Module-IV: [15H]

Genetic linkage, crossing over and chromosome mapping: Linkage and Recombination of genes in a chromosome crossing over, Cytological basis of crossing over, Molecular mechanism of crossing over, Crossing over at four strand stage, Multiple crossing overs Genetic mapping. Extra chromosomal inheritance: Rules of extra nuclear inheritance, maternal effects, maternal inheritance, cytoplasmic inheritance, organelle heredity, genomic imprinting. Evolution and population genetics: In breeding and out breeding, Hardy Weinberg law (prediction, derivation), allelic and genotype frequencies, changes in allelic frequencies, systems of mating, evolutionary genetics, natural selection.

Course Name: Genetics Lab.
Course Code: BBT3011

1. Permanent and temporary mount of mitosis.
2. Permanent and temporary mount of meiosis.
3. Mendelian deviations in dihybrid crosses
4. Demonstration of - Barr Body -Rhoeo translocation. 5. Karyotyping with the help of photographs
6. Pedigree charts of some common characters like blood group, color blindness and PTC tasting.
7. Study of polyploidy in onion root tip by colchicine treatment.

Learning outcomes

1. This course offers heredity of living organisms involving alleles, genes and chromosomes.
2. This course makes you expertise in lot of techniques related to cell division and inheritance biology.

Suggested Reading

1. Gardner, E.J., Simmons, M.J., Snustad, D.P. (2006). Principles of Genetics. VIII Edition John Wiley & Sons.
2. Snustad, D.P., Simmons, M.J. (2009). Principles of Genetics. V Edition. John Wiley and Sons Inc.
3. Klug, W.S., Cummings, M.R., Spencer, C.A. (2009). Concepts of Genetics. IX Edition. Benjamin Cummings.
4. Russell, P. J. (2009). Genetics- A Molecular Approach. III Edition. Benjamin Cummings.
5. Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C. and Carroll, S.B. IX Edition. Introduction to Genetic Analysis, W. H. Freeman & Co.

Course Name: Molecular Biology
Course Code: BBT3012

Module-I: [15H]

DNA structure and replication: DNA as genetic material, Structure of DNA, Types of DNA, Replication of DNA in prokaryotes and eukaryotes: Semiconservative nature of DNA replication, Bi-directional replication, DNA polymerases, The replication complex: Pre-primming proteins, primosome, replisome, Rolling circle replication, Unique aspects of eukaryotic chromosome replication, Fidelity of replication.

Module-II: [10H]
DNA damage, repair and homologous recombination: DNA damage and repair: causes and types of DNA damage, mechanism of DNA repair: Photoreactivation, base excision repair, nucleotide excision repair, mismatch repair, translesion synthesis, recombinational repair, nonhomologous end joining. Homologous recombination: models and mechanism.

Module-III: [17H]
Transcription and RNA processing: RNA structure and types of RNA, Transcription in prokaryotes: Prokaryotic RNA polymerase, role of sigma factor, promoter, Initiation, elongation and termination of RNA chains Transcription in eukaryotes: Eukaryotic RNA polymerases, transcription factors, promoters, enhancers, mechanism of transcription initiation, promoter clearance and elongation RNA splicing and processing: processing of pre-mRNA: 5' cap formation, polyadenylation, splicing, rRNA and tRNA splicing.

Module-IV: [18H]
Regulation of gene expression and translation: Regulation of gene expression in prokaryotes: Operon concept (inducible and repressible system), Genetic code and its characteristics, Prokaryotic and eukaryotic translation: ribosome structure and assembly, Charging of tRNA, aminoacyl tRNA synthetases, Mechanism of initiation, elongation and termination of polypeptides, Fidelity of translation, Inhibitors of translation., Posttranslational modifications of proteins.

Course Name: Molecular Biology Lab
Course Code: BBT3012

1. Preparation of solutions for Molecular Biology experiments.
2. Isolation of chromosomal DNA from bacterial cells.
3. Isolation of Plasmid DNA by alkaline lysis method.
4. Agarose gel electrophoresis of genomic DNA & plasmid DNA
5. Preparation of restriction enzyme digests of DNA samples
6. Demonstration of AMES test or reverse mutation for carcinogenicity

Learning outcomes

1. This course offers molecular biological processes in living organisms and the regulation of gene expression.
2. This course makes you expertise in lot of techniques related to Molecular Biology experiments.

Suggested Reading

1. Karp, G. (2010). Cell and Molecular Biology: Concepts and Experiments. VI Edition. John Wiley & Sons. Inc.
2. De Robertis, E.D.P. and De Robertis, E.M.F. (2006). Cell and Molecular Biology. VIII Edition. Lippincott Williams and Wilkins, Philadelphia.
3. Becker, W.M., Kleinsmith, L.J., Hardin. J. and Bertoni, G. P. (2009). The World of the Cell. VII Edition. Pearson Benjamin Cummings Publishing, San Francisco.
4. Watson, J. D., Baker T.A., Bell, S. P., Gann, A., Levine, M., and Losick, R., (2008) Molecular Biology of the Gene (VI Edition.). Cold Spring Harbour Lab. Press, Pearson Pub.

Course Name: General Chemistry
Course Code: BBT3021

Module I: Chemical Bonding [20H]
General characteristics of ionic bonding. Energy considerations in ionic bonding, lattice energy and solvation energy and their importance in the context of stability and solubility of ionic compounds. Statement of Born-Landé equation for calculation of lattice energy, Born-Haber cycle and its applications. Concept of resonance and resonating structures in various inorganic and organic compounds.
VB Approach: Shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements.

Module II: Stereochemistry [15H]
Conformations with respect to ethane, butane and cyclohexane. Interconversion of Wedge Formula, Newmann, Sawhorse and Fischer representations. Concept of chirality (upto two carbon atoms). Configuration: Geometrical and Optical isomerism; Enantiomerism, Diastereomerism and Meso compounds). Threo and erythro; D and L; cis – trans nomenclature; CIP Rules: R/ S (for upto 2 chiral carbon atoms) and E / Z Nomenclature (for upto two C=C systems).

Module III: Basic Organic Chemistry [15H]
Physical Effects, Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugation. Cleavage of Bonds: Homolysis and Heterolysis. Structure, shape and reactivity of organic molecules: Nucleophiles and electrophiles. Reactive Intermediates: Carbocations, Carbanions and free radicals. Strength of organic acids and bases: Comparative study with emphasis on factors affecting pK values. Aromaticity: Benzenoids and Hückel's rule.

Module IV: Introduction to Green Chemistry [10H]
What is green chemistry? Needs and goals of green chemistry. Limitations/ Obstacles in the pursuit of the goals of green chemistry.

Course Name: General Chemistry Lab
Course Code: BBT3021

1. Estimation of water of crystallization in Mohr's salt by titrating with KMnO4.
2. Estimation of Fe (II) ions by titrating it with K2Cr2O7 using internal indicator.
3. Estimation of Cu (II) ions iodometrically using Na2S2O3.
4. Detection of extra elements (N, S, Cl, Br, I) in organic compounds (containing up to two extra elements)
5. Preparation and characterization of nanoparticles of gold using tea leaves.
6. Preparation of biodiesel from vegetable/ waste cooking oil.

Learning outcomes

1. This course offers general characteristics of chemical bonding, stereochemistry and organic reactions.
2. This course makes you expertise in quantitative estimation of various functional chemical groups.

Suggested Reading

1. Svehla, G. Vogel's Qualitative Inorganic Analysis, Pearson Education, 2012.
2. Mendham, J. Vogel's Quantitative Chemical Analysis, Pearson, 2009.
3. Vogel, A.I., Tatchell, A.R., Furnis, B.S., Hannaford, A.J. & Smith, P.W.G., Textbook of
Practical Organic Chemistry, Prentice-Hall, 5th edition, 1996.
4. Mann, F.G. & Saunders, B.C. Practical Organic Chemistry Orient-Longman, 1960.
5. Anastas, P.T & Warner, J.C. Green Chemistry: Theory and Practice, Oxford University
Press (1998).
6. Kirchoff, M. & Ryan, M.A. Greener approaches to undergraduate chemistry experiment.
American Chemical Society, Washington DC (2002).

Course Name: SEC: Biotechnology & Human Welfare
Course Code: BBT3051

Course Name: AEC: Communicative English
Course Code: AEC3041

Course Name: IDC: Educational Research
Course Code: ED3031

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **30.05.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Principal, Bidhan Nagar College (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr Srijan Haldar (Member)
Dr. Semanti Ghosh (Member)
Dr Priyajit Banerjee (Member)
Dr Sabyasachi Ghosh (Member)
Dr Debjit De (Invited Member)
Dr Subhasis Sarkar (Invited Member)
Dr Bidisha Ghosh (Invited Member)
Dr Priyankar Pal (Invited Member)

Agenda
1. Revision and restructuring of the syllabus of the postgraduate course (Annexure I) according to the CBCS regulations.

Dr Pritha Pal, HOD, Department of Biotechnology, School of Life Sciences, discussed the following agenda in the presence of all the Board of Studies members.

Minutes of 5th Board of Studies (BOS) Meeting

Agenda: Revision and restructuring of the syllabus of the post graduate course (Annexure I) according to the National Education Policy.

Proposition: Revision and Restructuring of the Syllabus

Resolution: The board resolves to revise and restructure the post graduate syllabus (Annexure I) in accordance with the National Education Policy, ensuring contemporary relevance and global competency.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Semanti Ghosh	
Dr Sabyasachi Ghosh	
Dr Subhasis Sarkar	
Dr Bidisha Ghosh	
Dr Priyankar Pal	
Dr. Priyajit Banerjee	
Dr. Debjit De	

Date: 30/5/2024

Enclosure: Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

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School of Life Sciences

M.Sc. in Biotechnology

Programme Structure 2021

(As per UGC CBCS Template)

Programme duration: 2 years (Semester I-IV)
Total credits: 24 x 4 = 96;
Total marks: 600 x 4 = 2400

SEMESTER – I

Course Code	Course Name	L-T-P	Course Type	Credits	Total Marks
MBTC101	Biomolecules	2-0-0	Core Course	2	50
MBTC191	Biomolecules Lab	0-0-4	Core Course	2	50
MBTC102	CellBiology	2-0-0	Core Course	2	50
MBTC192	Cell Biology Lab	0-0-4	Core Course	2	50
MBTC103	MolecularBiology	2-0-0	Core Course	2	50
MBTC104	Biophysical Chemistry & Instrumentation	2-0-0	Core Course	2	50
MBTS101	Enzymes & Reaction Kinetics	2-0-0	Supportive Course	2	50
MBTS191	Enzymes & Reaction Kinetics Lab	0-0-4	Supportive Course	2	50
MBTS102	Microbiology	2-0-0	Supportive Course	2	50
MBTS192	Microbiology Lab	0-0-4	Supportive Course	2	50
MBTS181	Seminar-I	0-0-8	Skill Dev	4	100
	Total			**24**	**600**

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Semester – II

Course Code	Course Name	L-T-P	Course Type	Credits	Total Marks
MBTC201	Genetics	2-0-0	Core Course	2	50
MBTC291	Genetics Lab	0-0-4	Core Course	2	50
MBTC202	Metabolism	2-0-0	Core Course	2	50
MBTC292	Metabolism Lab	0-0-4	Core Course	2	50
MBTC203	Recombinant DNA Technology	2-0-0	Core Course	2	50
MBTC293	Recombinant DNA Technology Lab	0-0-4	Core Course	2	50
MBTC204	Biostatistics	2-0-0	Core Course	2	50
MBTS201	Ecology and Environmental Studies	2-0-0	Supportive Course	2	50
MBTS202	Immunology	2-0-0	Supportive Course	2	50
MBTS292	Immunology Lab	0-0-4	Supportive Course	2	50
MBTS281	Seminar-II	0-0-8	Skill Dev	4	100
	Total			**24**	**600**

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SEMESTER – III

Course Code	Course Name	L-T-P	Course Type	Credits	Total Marks
MBTC301	Genomics	2-0-0	Core Course	2	50
MBTC391	Genomics Lab	0-0-4	Core Course	2	50
MBTC302	Proteomics and Protein Engineering	2-0-0	Core Course	2	50
MBTC392	Proteomics and Protein Engineering Lab	0-0-4	Core Course	2	50
MBTE301	A. Biological Imaging B. Computational Biology	4-0-0	Elective Course	4	100
MBTE302	A. Drug Discovery & Development B. Environmental Biotechnology	4-0-0	Elective Course	4	100
MBTS381	Summer Project	0-0-8	Supportive Course	4	100
MBTS382	Seminar-III	0-0-8	Skill Dev	4	100
	Total			**24**	**600**

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SEMESTER – IV

Course Code	Course Name	L-T-P	Course Type	Credits	Total Marks
MBTC401	Medical Biotechnology, IPR, Bio-safety and Bioethics	4-0-0	Core Course	4	100
MBTC402	Bioprocess Engineering & Microbial Technology	4-0-0	Core Course	4	100
MBTS401	Plant Biotechnology	2-0-0	Supportive Course	2	50
MBTS491	Plant Biotechnology Lab	0-0-4	Supportive Course	2	50
MBTS402	Bioinformatics	2-0-0	Supportive Course	2	50
MBTS492	Bioinformatics Lab	0-0-4	Supportive Course	2	50
MBTS481	Summer Project	0-0-8	Supportive Course	4	100
MBTS482	Seminar-IV & Grand Viva	0-0-8	Supportive Course	4	100
	Total			**24**	**600**

Topics for Project/Dissertation for SEM-III & IV

1. Mushroom Hybrid Production & Cultivation Technology
2. Biofuel Production
3. Water Recycling and Irrigation
4. Microbial Technology
5. Bioprocess Technology
6. Enzymology
7. Metabolic Engineering
8. Plant Biotechnology
9. Molecular Breeding
10. Molecular Genetics
11. Economically Important Microbes and Applications
12. Industrial & Food Biotechnology
13. Animal Biotechnology
14. Nanobiotechnology
15. Cancer Genetics
16. Plant Diversity and Medicinal Applications
17. Plant Tissue Culture & Nursery Management
18. Bioengineering
19. Industrial Microbiology

20. Waste Management
21. Microbial Diversity
22. Entrepreneurship Development

Important features: Mandatory

1) Internal assessment and evaluation of each course will be made as per the University Standard.

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(As per UGC CBCS Template)

Detail Syllabus of Semester - I

Course Name: Biomolecules
Course Code: MBTC101
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[4H]**

Concept of Chemical bonding: Forces involved in biological molecules, electrostatic, hydrophobic, H-bonding, van der wal's.

Module-II **[16H]**

Structure and Functions of Biomolecules and Macromolecules: Carbohydrates: mono, di- and polysaccharides. Lipids: classification; structure and function, their role in biological membranes. Proteins: chemistry of amino acids and peptides, chemical synthesis of peptides, Primary Secondary, Tertiary and Quaternary Structure of proteins; ∝-helix, β-sheet and collagen structure helix-coil transition, Ramachandran plots, amino acid sequences, allosteric interactions, cooperative ligand binding in Oxygen transporters,Hill equation, Protein folding. Nucleic acids: Watson-Crick model of DNA; sugar puckerings, stacking; B-; A-and ZDNA ; denaturation kinetics of DNA , Cot curves; structure of tRNA and ribosomes, Supercoiling of DNA and its influence on structure, Nucleosomal structure.

Module-III **[4H]**

Separation and purification of biomolecules and macromolecules: ion exchange, gel filtration, affinity chromatography, TLC, HPLC, GC, electrophoresis, electro-focusing.

Course Name: Biomolecules Lab
Course Code: MBTC191
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Determination of pH using digital pH meter
2. Molarity, normality calculation and buffer preparation
3. Qualitative and/or Quantitative estimation of carbohydrate
4. Qualitative and/or Quantitative estimation of proteins
5. Qualitative and/or Quantitative estimation of lipids
6. Qualitative and/or Quantitative estimation of Nucleic Acids
7. Saponification value
8. SDS-PAGE

Learning outcome:

1. Students will learn about the structural details of various important biomolecules.

2. Students will learn about different methods for the qualitative as well as quantitative analysis of biomolecules.

Course Name: Cell Biology
Course Code: MBTC102
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[5H]**

Membrane : membrane constituents- phospholipids, glycolipids, cholesterol, membrane proteins; receptors and phospholipases; Phospholipid bilayer- structure, asymmetry, fluid mozaic model of random diffusion of membrane components, domains in membranenatural and artificial membranes passive movements of solutes; membrane cytoskeleton.

Module-II **[10H]**

Transport: membrane transport of small molecules, carrier proteins and active membrane transport; ion channels; intracellular compartments and protein sorting; compartmentalization of cells;.transport of proteins into mitochondria and chloroplasts; peroxisomes; the endoplasmic reticulum. membrane anchorage of proteins. Vescicular traffic in the secretary and endocytic pathway; transport from the ER through the Golgi apparatus; transport from the Trans Golgi Network; Transport from Plasma membrane via Endosomes; endocytosis;transcytosis; transport from the Trans Golgi Network to the cell surface; Exocytosis; the molecular mechanisms of vesicular transport and maintenance of compartmental diversity.

Module-III **[2H]**

Cell signaling: signaling via G-protein-linked cell surface receptors; signaling via Enzyme-linked cell surface.

Module-IV **[2H]**

Cytoskeleton: The nature of cytoskeleton; Intermediate Filaments; Microtubules; Cilia and Centrioles.

Module-V **[2H]**

Cell cycle and cell division- general strategies of the cell cycle; yeast and molecular genetics of cell- cycle control; cell-division control in multicellular animals .

Module-VI **[3H]**

Methods of studying the cell surface: re-constitutional studies; fluorescence assisted methods e.g. flow cytometry; membrane active peptides;

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Course Name: Cell Biology Lab
Course Code: MBTC192
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Subcellular fractionations of tissue by centrifugation,
2. Microscopy: Bright field, Phase Contrast & Fluorescence.
3. Animal tissue culture,
4. Cell counting,
5. Cell viability,
6. Cell cycle by flow cytometer,
7. Immunofluorescence by florescence microscope and confocal microscope

Learning outcome:

1. Students will learn about various cellular aspects of different living organisms.
2. Students will learn different techniques to study the cellular organization of the biotic components of life.

Course Name: MolecularBiology
Course Code: MBTC103
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[4H]**

DNA synthesis and their processing: General features and enzymology; detailed mechanisms of initiation, elongation and termination; experiments underlying each step and role of individual factors; telomerases: mechanism of replication, maintenance of integrity and role in cancer,

Module-II **[8H]**

DNA repair and recombination: factors affecting DNA bases, identification and molecular characterization of repair enzymes in photoreactivation, excision, recombination, and SOS pathways. recombination and transposition, models for homologous recombination- the Holliday, Meselson-Radding and RecBCD pathways and their experimental supports; meiotic recombination- mechanism, the double-stranded DNA breaks; site-specific recombination and transposition).

Module-III **[8H]**

RNA synthesis and their processing: RNA polymerase subunits, different sigma factors-related to stress, viral infections etc., initiation, elongation and termination (rhodependent and independent) of RNA synthesis; anti-termination, attenuation and other influences of

transnational apparatus on the process of transcription; eukaryotic promoters, enhancers, transcription factors, RNA polymerases; various protein motifs involved in DNA-protein interactions during transcription.

Module-IV **[4H]**

Protein synthesis and their processing: formation of initiation complex, initiation factors and regulation, elongation and elongation factors, termination, aminoacylation of tRNA, tRNA-identity, aminoacyl tRNA synthetase, and translational proof-reading, translational inhibitors, post-translational modification of proteins.

Learning outcome:

1. Students will learn about the central dogma of life, which are the main aspects of metabolism.
2. Students will learn about the molecular mechanism of synthesis of nucleic acids and proteins.

Course Name: Biophysical Chemistry & Instrumentation
Course Code: MBTC104
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[8H]**

Thermodynamics: extensive and intensive variables; mathematical description of a system with two or more variables, exact and partial differential; first law of thermodynamics, isothermal process, entropy and second law of thermodynamics, reversible and irreversible process, free energy and chemical potential; Gibb's free energy; Application of thermodynamics in biological systems.

Module-II **[8H]**

Spectroscopy Techniques: Principles and application following spectroscopy in biological systems: Absorption Spectroscopy (UV-visible), Fluorescence and Phosphorescence, Circular Dichroism (CD), Infrared spectroscopy (IR), Resonance Raman spectroscopy; Electron spin resonance (ESR),

Module-III **[8H]**

Instrumentation: Liquid Scintillation counter; pH meter; Ultracentrifuges, optical microscopy; phase, ultraviolet and interference microscope-their applications in cell biology; fluorescence microscope, confocal microscope, fluorescence activated cell sorter (FACS). Electron microscopy, scanning electron microscope, application of electron microscopy in cell and molecular biology; embedding and section cutting.

Learning outcome:

1. Students will learn about various techniques and instrumentation of important

application-based methods.

2. Students will learn about different applications of thermodynamics in biological systems.

Course Name: Enzymes & Reaction Kinetics

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Course Code: MBTS101
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[4H]**

Introduction: Nomenclature, classification, general properties isoenzyme, active site, substrate, coenzyme, cofactor.

Module-II **[12H]**

Enzyme kinetics: single and two substrate kinetics, deviation from linear kinetics; ligand binding studies; rapid kinetics; association and dissociation constants; use of isotopes in enzyme kinetics mechanism analysis; effect of pH, temperature and isotopically labeled substrates on enzyme activity;

Module-III **[4H]**

Enzyme regulation: allosteric model, substrate induced conformational change in enzyme.

Module-IV **[4H]**

Enzyme inhibitors: competitive, un-competitive and non-competitive inhibitors.

Course Name: Enzymes & Reaction Kinetics Lab
Course Code: MBTS191
Contact: 2P
Credits: 2
Contact Hours: 48 Hours

1. Qualitative tests for enzyme detection
2. Effects of pH on enzyme activity
3. Effects of temperature on enzyme activity
4. Determination of Unknown enzyme concentration
5. Determination of optimum enzyme concentration to identify V_{max}
6. Determination of Km
7. Determination of Effects of inhibitors on enzyme
8. Determination of Effects Heavy metals on enzyme activity

Learning outcome:

1. Students will learn about different mechanism of enzyme kinetics.
2. Students will learn different regulatory mechanisms and modification systems related to enzyme activities and functions.

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Course Name: Microbiology
Course Code: MBTS102
Contact: 2L

Credits: 2
Contact Hours: 24 Hours

Module-I **[6H]**

Microbial world: Discovery and importance of microorganism in Biotechnology Role of microorganisms in transformation of organic matter and in the causation of diseases. Distribution and classification of bacteria, fungi, anaerobes, cyan bacteria and protozoa. Cultivation, propagation and preservation of microorganisms, sterilization and disinfectants.

Module-II **[4H]**

Methods in Microbiology: Pure culture techniques; Theory and practice of sterilization, principles of Microbial nutrition: Construction of culture media. Maintenance of microbial cultures of biotechnological importance. Causes of culture degeneration.

Module-III **[4H]**

Microbial Growth: The definition of growth, mathematical expression of growth, growth curve, measurement of growth and growth yields; Synchronous growth; continuous culture; growth as affected environmental factors.

Module-IV **[4H]**

Bacterial cell structure and fine structure: Structure-function Cell walls of eubacteria (peptidoglycan) and related molecules, Outer-membrane of Gramnegative bactreria, Cell wall and cell membrane synthesis, Flagella and motility, Cell inclusions like endospores capsules, slime layer pili. Quorum sensing and biofilm formation.

Module-V **[2H]**

Microbial Taxonomy: New approach to bacterial taxonomy and classification including ribotyping and rRNA sequencing.

Module-VI **[2H]**

Host-Parasite Relationships: Normal micro flora of skin: oral cavity, gastrointestinal tract. Entry of pathogens into the host; Colonization and factors predisposing to infections, Types of toxic (Exo-Endo-Entero-) and their structure, Mode of actions.

Module-VII **[2H]**

Chemotherapeutic Antibiotics: Antimicrobial agents, Sulfa drugs. Antibiotics Penicillin and cephalosporins. Board-spectrum antibiotics, mode of action of important antibiotics. Resistance to antibiotics.

Course Name: Microbiology Lab
Course Code: MBTS192
Contact: 2P
Credits: 2
Contact Hours: 48 Hours

1. Preparation of liquid and solid media for growth of microorganism,
2. Isolation and maintenance of organism by plating, streaking and serial dilution methods,
3. Slant and stab cultures,
4. Storage of microorganism.
5. Isolation of pure cultures,
6. Growth curve,
7. Microscopic examination of bacteria, yeast and molds,
8. Gram stain,
9. Assay of Antibiotics,
10. Microbiological analysis of drinking water.

Learning outcome:

1. Students will learn about the different microorganisms and their classification.
2. Students will learn about various techniques to study the characteristics of various microorganisms.

Course Name: Seminar-I
Course Code: MBTS181
Contact: 4P
Credits: 4
Contact Hours: 48 Hours

Students will present PowerPoint presentation of any topic having good impact to improve their presentation skills.

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Semester – II

Course Code	Course Name	L-T-P	Course Type	Credits	Total Marks
MBTC201	Genetics	2-0-0	Core Course	2	50
MBTC291	Genetics Lab	0-0-4	Core Course	2	50
MBTC202	Metabolism	2-0-0	Core Course	2	50
MBTC292	Metabolism Lab	0-0-4	Core Course	2	50
MBTC203	Recombinant DNA Technology	2-0-0	Core Course	2	50
MBTC293	Recombinant DNA Technology Lab	0-0-4	Core Course	2	50
MBTC204	Biostatistics	2-0-0	Core Course	2	50
MBTS201	Ecology and Environmental Studies	2-0-0	Supportive Course	2	50
MBTS202	Immunology	2-0-0	Supportive Course	2	50
MBTS292	Immunology Lab	0-0-4	Supportive Course	2	50
MBTS281	Seminar-II	0-0-8	Skill Dev	4	100
	Total			**24**	**600**

Detail Syllabus of Semester - II

Course Name: Genetics
Course Code: MBTC201
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[2H]**

Mendelian principles: Dominance, segregation, independent assortment. Mendel's experiments, monohybrid and dihybrid cross; sexual vis-a-vis sexual reproduction; applications of chi square test; deviation from Mendelian segregation; linkage

Module-II **[1H]**

Concept of gene: Allele, multiple alleles, pseudoallele, complementation tests

Module-III **[3H]**

Extensions of Mendelian principles: Codominance, incomplete dominance, gene interactions, pleiotropy, genomic imprinting, penetrance and expressivity, phenocopy, linkage and crossing over, sex linkage, sex limited and sex influenced characters.

Module-IV **[3H]**
Gene mapping methods: Linkage maps, tetrad analysis, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants.

Module-V **[1H]**
DNA polymorphism in mapping; structure and function; polygenic inheritance.

Module-VI **[2H]**
Extra chromosomal inheritance: Inheritance of Mitochondrial and chloroplast genes, maternal inheritance.

Module-VII **[1H]**
Microbial genetics: Methods of genetic transfers – transformation, conjugation, transduction and sex-duction, mapping genes by interrupted mating, fine structure analysis of genes.

Module-VIII **[2H]**
Human genetics: Pedigree analysis, lod score for linkage testing, karyotypes, genetic disorders, DNA polymorphism in mapping; structure and function; polygenic inheritance.

Module-IX **[1H]**
Quantitative genetics: Polygenic inheritance, heritability and its measurements, QTL mapping.

Module-X **[2H]**
Mutation: Types, causes and detection, mutant types – lethal, conditional, biochemical, loss of function, gain of function, germinal verses somatic mutants, insertional mutagenesis.

Module-XI **[2H]**
Structural and numerical alterations of chromosomes: Deletion, duplication, inversion, translocation, ploidy and their genetic implications.

Module-XII **[4H]**
Techniques of studying Bacteriophages-virulent phage(T4) and Temperate phage (phage lambda). Important aspects of life cycles; phage genome and gene mapping; host parasite relationship, immunity and repression; site specific recombination (lambda and PI), Transposable phage (Phage Mu), genetic organization and transposition , Mu as a genetic tool.

Course Name: Genetics Lab
Course Code: MBTC291
Contact: 4P

Credits: 2
Contact Hours: 48 Hours

1. Conjugation,
2. Transaction,
3. Transposome

Learning outcome:

1. Students will learn about the different laws and principles of genetics.
2. Students will learn about the genetic mechanism of different mutations.

Course Name: Metabolism
Course Code: MBTC202
Contact: 2L

Credits: 2
Contact Hours: 24 Hours

Module-I **[3H]**
Carbon cycle, bioenergetics and metabolism.

Module-II **[7H]**
Carbohydrate metabolism: glycolysis, the citric acid cycle, the glyoxylate cycle, electron transport, oxidative phosphorylation and regulation of ATP production, the Cori Cycle, gluconeogenesis, glycogen metabolism and metabolism of different sugars.

Module-III **[7H]**
Membranes –its structure and role in ATP generation oxidative degradation of fatty acids and amino acids in animal tissues correlation between carbohydrate, amino acids and fatty and degradation,

Module-VI **[7H]**
Metabolism of nitrogen compounds protein turnover, metabolic regulation of enzymes, nitrogen fixation - mechanisms and control he nitrogen cycle as the source of cellular biosynthetic intermediates.

Course Name: Metabolism Lab
Course Code: MBTC292
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Estimation of cholesterol from blood,
2. Estimation of glucose from blood serum,

3. Alkaline phosphatase assay from blood serum,
4. Estimation of liver function test enzyme assay enzyme (SGPT & SGOT).

Learning outcome:

1. Students will learn about the metabolism of different important biomolecules.
2. Students will learn to estimate various biomolecules by different techniques.

Course Name: Recombinant DNA Technology
Course Code: MBTC203
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[7H]**

Principles and methods of recombinant DNA technology- hybridization, cloning, sequencing, polymerase chain reaction, genome projects; gene manipulations; cloning in E.coli, plasmids, bacteriophages and cosmid vectors, cloning strategies, genomic and cDNA library; expression of cloned genes in E. coli, products made in E. coli by genetic engineering;

Module-II **[7H]**

Cloning in yeast: transformation in yeast, yeast vector development: Yep, YRp, YCp and YIp, 2m plasmid, yeast artificial chromosome (YAC), retrovirus like vector (Ty) in yeast/shuttle vector; features of yeast promoter and expression of cloned genes; yeast 2-hybrid system; plasmid shuffling to explore interactive domains of multimeric proteins; the cassette model for mating type switches and silencing of genes.

Module-III **[10H]**

Genetic engineering of plants: transformation of plants, manipulating gene expression in plants, selectable markers and reporter genes, Agrobacterium tumefaciens; Genetic elements present on the Ti plasmid, genetic engineering of the Ti plasmid, vectors used to introduce foreign DNA into plant cells- binary cloning vector, disarmed Ti plasmid, cointegrate cloning vector; comparison of methods for transfer of DNA to plants, manipulation of gene expression in plants; production of transgenic plants without reporter or marker genes

Course Name: Recombinant DNA Technology Lab
Course Code: MBTC293
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Isolation of plasmid DNA,
2. Transformation, restriction enzyme digestion, ligation ,
3. Southern blotting,
4. Northern blotting,
5. Overexpression of proteins,
6. PCR analysis,
7. Protein - DNA interactions.

Learning outcome:

1. Students will learn about the various aspects of recombinant DNA technology like cloning, sequencing etc.
2. Students will learn various techniques used to carry out the major biomolecule based reactions.

Course Name: Biostatistics

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Course Code: MBTC204
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[8H]**

Probability and statistics; population, variables, collection, tabulation and graphical representation of data, frequency distribution, central tendency and skewness, binomial,

Module-II **[8H]**

Poisson and Gaussian distributions, additive and multiplicative laws of probability, concept and correlation; regression;

Module-III **[8H]**

Methods of least squares; chi-square tests, random number generation- testing and use; probability density and cumulative distribution function; systematic and random sampling.

Learning outcome:

1. Students will learn various methods of statistics required to implement in the field of biology.
2. Students will learn the quantitative analysis of experimental data through biostatistical methods.

Course Name: Ecology and Environmental Studies
Course Code: MBTS201
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[4H]**

Introduction to environmental studies: Multidisciplinary nature of environmental studies; Scope and importance; Concept of sustainability and sustainable development.

Module-II **[3H]**

Ecology and Ecosystems: Concept of ecology and ecosystem, Structure and function of ecosystem; Energy flow in an ecosystem; food chains, food webs; Basic concept of population and community ecology; ecological succession. Characteristic features of the following: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, wetlands, rivers, oceans, estuaries).

Module-III **[5H]**

Biodiversity and Conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots, India as a mega-biodiversity nation; Endangered and endemic species of India,Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Module-IV **[3H]**

Environmental Pollution:

Environmental pollution: concepts and types, Air, water, soil, noise and marine pollution-causes, effects and controls, Concept of hazards waste and human health risks • Solid waste management: Control measures of Municipal, biomedical and e-waste.

Module-V **[4H]**

Environmental Policies and Practices: Climate change, global warming, ozone layer depletion, acid rain and their impacts on human communities and agriculture Environment Laws: Wildlife Protection Act; Forest Conservation Act. Water (Prevention and control of Pollution) Act; Air (Prevention & Control of Pollution) Act; Environment Protection Act; Biodiversity Act. International agreements: Montreal Protocol, Kyoto protocol and climate negotiations; Convention on Biological Diversity (CBD). Protected area network, tribal populations and rights, and human wildlife conflicts in Indian context

Course Name: Immunology
Course Code: MBTS202
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[8H]**

Blood & Blood cells, Bone Marrow, Reticulo-Endothelial system & ABO Blood groups. Tissue fluid, Lymph, Lymphatics, Lymph nodes and Spleen. Cardiovascular System (Heart, ECG, Blood Pressure, Sino - Aortic mechanism, Regional & Capillary circulation.

Module-II **[12H]**

Immunoglobins, organization and expressions of Ig genes; B cell maturation, activation and differentiation; MHC/ HLA; antigen processing and presentation; T-cells, T-cell receptors, T-cell maturation, activation and differentiation; cytokines; cell mediated and humoral effector responses, auto immunity, immunodeficiency diseases, transplantation immunology, cancer and immune system.

Module-III **[4H]**

Monoclonal and polyclonal antibodies, monoclonal antibody technique.

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School of Life Sciences

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(As per UGC CBCS Template)

Course Name: Immunology Lab
Course Code: MBTS292
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Blood film preparation and identification of cells,
2. Determination of blood groups,
3. Immuno-electrophoresis,
4. Western Blotting (Immuno-blotting),
5. Immunostaining/Immunofluorescence,
6. ELISA,
7. Immunodiagnostics (using commercial kits)

Learning outcome:

1. Students will learn about various aspects of immune system and their mechanism of action.
2. Students will learn different techniques of immunology to study antigen-antibody inerations.

Course Name: Seminar-II
Course Code: MBTS281
Contact: 4P
Credits: 4
Contact Hours: 48 Hours

Students will present PowerPoint presentation of any topic having good impact to improve their presentation skills.

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Programme Structure 2021

(As per UGC CBCS Template)

Detail Syllabus of Semester - III

Course Name: Genomics
Course Code: MBTC301
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[8H]**

Genomics: genetic and physical maps, physical mapping and map-based cloning, choice of mapping population, simple sequence repeat loci, southern and fluorescence in situ hybridization for genome analysis, chromosome microdissection,

Module-II **[8H]**

Molecular markers in genome analysis; RAPD and AFLP analysis, molecular markers linked to disease resistant genes, application of RFLP in forensic, disease prognosis, genetic counseling, pedigree, varietal etc. Genome sequencing: genome sizes, organelle genomes, genomic libraries, strategies for genome sequencing, packaging, transfectionand recovery of clones, application of sequence information for identification of defective genes.

Module-III **[8H]**

Pharmacogenetics, genetics of globin triplet repeat disorders, cancer genetics; immunogenetics; mapping of human genome; somatic cell genetics; DNA polymorphism in mapping; structure and function; biochemical genetics; polygenic inheritance, Microarray.

Course Name: Genomics Lab
Course Code: MBTC391
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. analyze assembly of sequences
2. analysis of sequences from already sequenced genomes to annotate promoter, ORF, analyse putative promoters
3. show them yeast two hybrid screen
4. arrangement with established facility to learn the process of sequencing and annotation

Learning outcome:

1. Students will learn about various aspects of genomics and its applications.
2. Students will learn about different techniques for proper analysis and study of

genome.

Course Name: Proteomics and Protein Engineering
Course Code: MBTC302
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[10H]**

Proteomics: Sample preparation, Gel-based proteomics - two-dimensional gel electrophoresis (2-DGE), two-dimensional fluorescence difference in-gel electrophoresis (DIGE), Staining methods, PF-2D, Tandem FPLC, Mass spectroscopy: basic principle, ionization sources, mass analyzers, different types of mass spectrometers (MALDI-TOF Q-TOF, LC-MS) Multidimensional proteomics: SELDI-TOF. Quantitative proteomics - stable isotope labeling by amino acids in cell culture (SILAC), isotope-coded affinity tag (ICAT), isobaric tagging for relative and absolute quantitation (iTRAQ); Label-free proteomics., Nuclear magnetic resonance spectroscopy (NMR), basic principles, chemical shift, spin-spin interaction, NOE, 2D-NMR, NOESY, COSEY.

Module-II **[6H]**

X-ray Crystallography: Principle of X-ray diffraction, scattering vector, structure factor, phase problem, reciprocal lattice and Ewald sphere, Miller indices, Zone axes, crystal lattice, Lane Equations, Bragg's law, special properties of protein crystals, model building, refinement and R-factor.

Module-III **[8H]**

Protein Engineering: Protein sources, Industrial and medical application of proteins, different expression of proteins for large scale purifications, protein engineering strategy, rational and random mutagenesis. Applications of protein engineering protein in Chemical and Medical Industries: Generation of heat stable, pH stable enzymes, application in vaccine development, drug development, sensor development.

Course Name: Proteomics and Protein Engineering Lab
Course Code: MBTC392
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Protein electrophoresis-1D+2D,
2. HPLC,
3. FPLC,
4. MALDI-TOF & LC-MS

Learning outcome:

1. Students will learn about different aspects of proteomics and its applications.
2. Students will learn about various techniques for protein estimation.

Course Name: Biological Imaging
Course Code: MBTE301A
Contact: 4L
Credits: 4
Contact Hours: 48 Hours

Module-I **[10H]**

Widefield fluorescent microscopy: One of the most basic techniques for live-cell imaging is widefield fluorescent microscopy. Standard inverted research grade microscopes can yield valuable results if you are imaging adherent cells, large regions of interest (such as organelles) or very thin tissue sections (less than 5 micrometer). In widefield, a CCD camera is usually used to capture images and the epi-fluorescence illumination source can be a mercury lamp, xenon lamp, LED's, etc. Each of light sources require carefully matched interference filters for specific excitation and emission wavelengths of your fluorophore of interest. With widefield microscopy, your specimen is only exposed to excitation light for relatively short time periods as the full aperture of emission light is collected by the objectives. Widefield fluorescence microscopy can be used in combination with other common contrast techniques such as phase contrast and differential interference contract (DIC) microscopy. This combination is useful when performing live-cell imaging to examine general cell morphology or viability while also imaging regions of interest within cells.

Module-II **[10H]**

Confocal laser scanning microscopy (CLSM): CLSM has ability to eliminate out-of-focus light and information. It is also possible to obtain optical serial sections from thicker specimens. A conjugate pinhole in optical path of confocal microscope prevents fluorescence from outside of focal plane from being collected by photomultiplier detector or imaged by camera. In CLSM, a single pinhole (and single focused laser spot) is scanned across specimen by scanning system. This spot forms a reflected epi-fluorescence image back on original pinhole. When specimen is in focus, fluorescent light from it passes through pinhole to detector. Any out-of-focus light is defocused at pinhole and very little of this signal passes through to detector meaning that background fluorescence is greatly reduced. The pinhole acts as a spatial filter for emission light from the specimen.

Module-III **[10H]**

Spinning disc confocal microscopy (SDCM): This method utilises a 'Nipkow Disc' which is a mechanical opaque disc which has a series of thousands of drilled or etched pinholes arranged in a spiral pattern. Each illuminated pinhole on disc is imaged by microscope objective to a diffraction-limited spot on region of interest on specimen. The emission from fluorophores passes back though Nipkow disc pinholes and can be observed and captured by a CCD camera. The effect of spinning disc is that many

thousands of points on specimen are simultaneously illuminated. Using SDCM to examine a specimen means that real-time imaging (30-frames-per-second or faster) can be achieved, which is extremely useful if you are looking at dynamic changes within living cells over a wide spectrum of time-scales.

Module-IV **[8H]**

Light-sheet fluorescence microscopy (LSFM, or SPIM): This method enables one to perform live-cell imaging on whole embryos, tissues and cell spheroids in vivo in a gentle manner with high temporal resolution and in three dimensions. One is able to track cell movement over extended periods of time and follow development of organs and tissues on a cellular level. The next evolution of light-sheet fluorescence microscopy, termed lattice light-sheet microscopy as developed by Eric Betzig (Nobel Prize Laureate 2014 for PALM super-resolution microscopy) will even allow live-cell imaging with super-resolved in vivo cellular localization capabilities.

Module-V **[6H]**

Super-resolved fluorescence microscopy: Super-Resolution in a Standard Microscope: From Fast Fluorescence Imaging to Molecular Diffusion Laws in Live Cells; Photoswitching Fluorophores in Super Resolution Fluorescence Microscopy; Image Analysis for Single-Molecule Localization Microscopy Deconvolution of Nanoscopic Images; Super-Resolution Fluorescence Microscopy of the Nanoscale Organization in cells; Correlative Live-Cell and SuperResolution Microscopy and Its Biological Applications; SAX Microscopy and Its Application to Imaging of 3D-Cultured Cells; Quantitative Super-Resolution Microscopy for Cancer Biology and Medicine.

Module-VI **[4H]**

Re-scan confocal microscopy: Structured Illumination Microscopy; Correlative Nanoscopy: AFM Super-Resolution (STED/STORM); Stochastic Optical Fluctuation Imaging.

Learning outcome:

1. Students will learn about various imaging techniques for characterization of biomolecules.
2. Students will learn various methods for studying morphology and other details of various biomolecules.

Course Name: Computational Biology
Course Code: MBTE301B
Contact: 4L
Credits: 4
Contact Hours: 48 Hours

Module-I **[6H]**

Introduction to computational biology basics and biological databases: Computers in

biology and medicine; Overview of biological databases, nucleic acid & protein databases, primary, secondary, functional, composite, structural classification database, Sequence formats & storage, Access databases, Extract and create sub databases, limitations of existing databases.

Module-II **[8H]**

Pairwise and multiple sequence alignments: Local alignment, Global alignment, Scoring matrices - PAM, BLOSUM, Gaps and penalties, Dot plots. Dynamic programming approach: Needleman and Wunsch Algorithm, Smith and Waterman Algorithm, Hidden Markov Model: Viterbi Algorithm. Heuristic approach: BLAST, FASTA. Building Profiles,Profile based functional identification.

Module-III **[12H]**

Genome analysis: Polymorphisms in DNA sequence, Introduction to Next Generation Sequencing technologies, Whole Genome Assembly and challenges, Sequencing and analysis of large genomes, Gene prediction, Functional annotation, Comparative genomics, Probabilistic functional gene networks, Human genome project, Genomics and crop improvement. Study available GWAS, ENCODE, HUGO projects, extract and build sub databases; Visualization tools including Artemis and Vista for genome comparison; Functional genomics case studies.

Module-IV **[4H]**

Structure visualization: Retrieving and drawing structures, Macromolecule viewing platforms, Structure validation and correction, Structure optimization, Analysis of ligand-protein interactions; Tools such as PyMol or VMD.

Module-V **[8H]**

Molecular modelling: Significance and need, force field methods, energy, buried and exposed residues; side chains and neighbours; fixed regions; hydrogen bonds; mapping properties onto surfaces; RMS fit of conformers and protein chains, assigning secondary structures; sequence alignment: methods, evaluation, scoring; protein curation: backbone construction and side chain addition; different types of protein chain modelling: ab initio, homology, hybrid, loop; Template recognition and alignments; Modelling parameters and considerations; Model analysis and validation; Model optimization; Substructure manipulations, annealing, protein folding and model generation; loop generating methods; loop analysis; Analysis of active sites using different methods in studying protein–protein interactions.

Module-VI **[6H]**

Structure-based drug development: Molecular docking: Types and principles, Semi-flexible docking, Flexible docking; Ligand and protein preparation, Macromolecule and ligand optimization, Ligand conformations, Clustering, Analysis of docking results and validation with known information. Extraprecision docking platforms, Use of Small-molecule libraries, Natural compound libraries for virtual high throughput screenings.

Module-VII **[4H]**

Ligand-based drug development: Quantitative structure activity relationships; Introduction to chemical descriptors like 2D, 3D and Group-based; Radar plots and contribution plots and Activity predictions, Pharmacophore modeling, Pharmacophore-based screenings of compound library, analysis and experimental validation.

Learning outcome:

1. Students will learn various structure-function study of various biomolecules.
2. Students will learn different bioinformatic tools to perform sequence analysis and phylogenetic tree analysis.

Course Name: Drug Discovery & Development
Course Code: MBTE302A
Contact: 4L
Credits: 4
Contact Hours: 48 Hours

Module-I **[10H]**

Target identification and molecular modelling: Identification of target or drug leads associated with a particular disease by a number of different techniques including combinations of molecular modeling, combinatorial libraries and high-throughput screening (HTS); Conceptualizing the automation of the HTS process and the importance of bioinformatics and data processing in identification of lead compounds; Rational drug design, based on understanding the three-dimensional structures and physicochemical properties of drugs and receptors; Modelling drug/ receptor interactions with the emphasis on molecular mechanisms, molecular dynamics simulations and homology modelling; Conformational sampling, macromolecular folding, structural bioinformatics, receptor-based and ligand-based design and docking methods, in silico screening of libraries, semi-empirical and ab-initio methods, QSAR methods, molecular diversity, design of combinatorial libraries of drug-like molecules, macromolecular and chemical databases.

Module-II **[8H]**

Lead optimization: Identification of relevant groups on a molecule that interact with a receptor and are responsible for biological activity; Understanding structure activity relationship; Structure modification to increase potency and therapeutic index; Concept of quantitative drug design using Quantitative structure–activity relationship models (QSAR models) based on the fact that the biological properties of a compound are a function of its physicochemical parameters such as solubility, lipophilicity, electronic effects, ionization, stereochemistry, etc.; Bioanalytical assay development in support of in vitro and in vivo studies (LC/MS/MS, GC/MS and ELISA).

Module-III **[8H]**

Preclinical development: Principles of drug absorption, drug metabolism and

distribution - intestinal absorption, metabolic stability, drug-drug interactions, plasma protein binding assays, metabolite profile studies, Principles of toxicology, Experimental design for preclinical and clinical PK/PD/TK studies, Selection of animal model; Regulatory guidelines for preclinical PK/ PD/TK studies; Scope of GLP, SOP for conduct of clinical & non clinical testing, control on animal house, report preparation and documentation Integration of non-clinical and preclinical data to aid design of clinical studies.

Module-IV **[6H]**

Drug manufacturing: Requirements of GMP implementation, Documentation of GMP practices, CoA, Regulatory certification of GMP, Quality control and Quality assurance, concept and philosophy of TQM, ICH and ISO 9000; ICH guidelines for Manufacturing, Understanding Impurity Qualification Data, Stability Studies.

Module-V **[6H]**

Clinical trial design: Objectives of Phase I, II, III and IV clinical studies, Clinical study design, enrollment, sites and documentation, Clinical safety studies: Adverse events and adverse drug reactions, Clinical PK, pharmacology, drug-drug interaction studies, Statistical analysis and documentation.

Module-VI **[10H]**

Fundamentals of regulatory affairs and bioethics: Global Regulatory Affairs and different steps involved, Regulatory Objectives, Regulatory Agencies; FDA guidelines on IND and NDA submissions, Studies required for IND and NDA submissions for oncology, HIV, cardiovascular indications, On-label vs. off-label drug use GCP and Requirements of GCP Compliance, Ethical issues and Compliance to current ethical guidelines, Ethical Committees and their set up, Animal Ethical issues and compliance.

Learning outcome:

1. Students will learn about various aspects of drug discovery and development.
2. Students will study various clinical trial designs and clinical safety designs.

Course Name: Environmental Biotechnology
Course Code: MBTE302B
Contact: 4L
Credits: 4
Contact Hours: 48 Hours

Module-I **[10H]**

Introduction to environment: Introduction to environment; pollution and its control; pollution indicators; waste management: domestic, industrial, solid and hazardous wastes; strain improvement; Biodiversity and its conservation; Role of microorganisms in geochemical cycles; microbial energy metabolism, microbial growth kinetics and elementary chemostat theory, relevant microbiological processes, microbial ecology.

Module-II **[8H]**

Bioremediation: Bioremediation: Fundamentals, methods and strategies of application (biostimulation, bioaugmentation) – examples, bioremediation of metals (Cr, As, Se, Hg), radionuclides (U, Te), organic pollutants (PAHs, PCBs, Pesticides, TNT etc.), technological aspects of bioremediation (in situ, ex situ).

Module-III **[8H]**

Role of microorganism- isms in bioremediation: Application of bacteria and fungi in bioremediation: White rot fungi vs specialized degrading bacteria: examples, uses and advantages vs disadvantages; Phytoremediation: Fundamentals and description of major methods of application (phytoaccumulation, phytovolatilization, rhizofiltration phytostabilization).

Module-IV **[10H]**

Biotechnology and agriculture: Bioinsecticides: Bacillus thuringiensis, Baculoviruses, uses, genetic modifications and aspects of safety in their use; Biofungicides: Description of mode of actions and mechanisms (e.g. Trichoderma, Pseudomonas fluorescens); Biofertilizers: Symbiotic systems between plants – microorganisms (nitrogen fixing symbiosis, mycorrhiza fungi symbiosis), Plant growth promoting rhizobacteria (PGPR) – uses, practical aspects and problems in application.

Module-V **[12H]**

Biofuels: Environmental Biotechnology and biofuels: biogas; bioethanol; biodiesel; biohydrogen; Description of the industrial processes involved, microorganisms and biotechnological interventions for optimization of production; Microbiologically enhanced oil recovery (MEOR); Bioleaching of metals; Production of bioplastics; Production of biosurfactants: bioemulsifiers; Paper production: use of xylanases and white rot fungi.

Learning outcome:

1. Students will learn various biotechnological application related to environment.
2. Students will study different principles of important processes related to environment like biodegradation, biofuels etc.

Course Name: Summer Project
Course Code: MBTS381
Contact: 8P
Credits: 4
Contact Hours: 96 Hours

Students will submit the project proposal and synopsis to the departmental HOD or project coordinator. Initial classes will be on selection of topics, supervisor/guide,

template for project proposal writing etc. Students may start actual lab/theory work in due course.

Course Name: Seminar-III
Course Code: MBTS382
Contact: 8P
Credits: 4
Contact Hours: 48 Hours

Students will present PowerPoint presentation of any topic having good impact to improve their presentation skills.

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Detail Syllabus of Semester - IV

Course Name: Medical Biotechnology, IPR, Bio-safety and Bioethics
Course Code: MBTC401
Contact: 4L

Credits: 4
Contact Hours: 48 Hours

Module-I **[10H]**

Disease diagnosis-probe: PCR, LCR immunological assay. Detection of genetic, Neurogenetic disorders involving Metabolic and Movement disorders. Treatmentproducts from recombinant and non-recombinant organisms, Interferons, Antisense therapy, cell penetrating peptides, Gene therapy, Types of gene therapy, somatic virus germline gene therapy, mechanism of gene therapy, Immunotherapy, Detection of mutations in neoplastic diseases MCC, SSCP, DGGE, PTTC.

Module-II **[8H]**

Animal Biotechnology: Development Biology; fertilization and organogenesis, Stem cells; potency and differentiation, different signaling for development, Morphogenesis in different model systems, Cloning; Transgenic and knockout systems. Animal cell Culture methods.

Module-III **[12H]**

Virology: Classification and modes of propagation; bacterial, plant and animal viruses: morphology and ultrastructure; assay of viral particles, cell culture;viral enzymes, nucliec acids, DNA viruses: Herpes, Hepatitis B, Adeno virus; RNA viruses: Polio, VSV, Influenza, Retroviruses: Structure, life cycle, transformation; TMV, Baculoviruses,; Response to viral infections: slow and persistent infections, Antiviral agents, Interferons.

Module-IV **[6H]**

Economics, Biosafety. Patent rights and Special Topics Biotechnology R & D and industry: Business aspects of biotechnology, research and market place, Finance and human resources: Intellectual property right: patents, R & D partnership, license agreement and joint venture

Module-V **[12H]**

Innovation Management: Technology transfer tools, Industry-Academia collaborations, Bio-incubators, Bio-accelerators, Finishing schools.; Bioethics: Role of bioethics in research. Prevention and management of plagiarism, fabrication/manipulation of data, conflict of interest, socio-cultural and behavioral conflicts during the conduct of research. Authorship & patenting/commercial rights and conflicts. Bioethical norms

governing research related to animals and humans. Biosafety: Prevention and management of chemical and biological hazards associated with research. Evaluation and interpretation of data sheets, labels etc. for pre-assessment of biological and chemical hazards.

Learning outcome:

1. Students will learn different principles of bioethics and biosafety.
2. Students will learn various methods of disease diagnosis and management.

Course Name: Bioprocess Engineering & Microbial Technology
Course Code: MBTC402
Contact: 4L
Credits: 4
Contact Hours: 48 Hours

[14H]

Module-I

Introduction to Bioprocess Engineering: Bioreactors and membrane Bioreactors and Membrane Bioreactors, Isolation Preservation and Maintenance of Industrial Microorganisms, Kinetics of microbial growth and death, Media and medial sterilization for Industrial Fermentation, Air quality Management and Air sterilization, Types of fermentation processes. Analysis of batch, Fedbatch and continuous bioreactors, stability of microbial reactors, analysis of mixed microbial populations, specialized bioreactors (pulsed fluidized, photobioreactors etc). Fermentation kinetic and monitoring, Measurement and control of bioprocess parameters.

[20H]

Module-II

Downstream processing: Introduction, Removal of microbial cells and solid matter, foam reparation, precipitation, filtration, centrifugation, cell disruptions, liquid-liquid extraction, chromatography, membrane process. Drying and crystallization, Effluent treatment D.O.C. and C.O.D. treatment and disposal of effluents. Whole cell Immobilization and their Industrial Applications, Immobilized enzymes in aqueous and non-aqueous media, bioconversion and Biotransformation. Industrial Production of chemicals: Alcohol (ethanol). Acids (citric, acetic and gluconic), Solvents (glycerol, acetone, butanon), Antibiotics (penicillin, streptomycinl, tetracy6cline), microlodes, anticancer antibiotic, Amino acids (lysine, glutamic acid), Single Cell Protein, single Cell Lipids. Use of microbes in mineral beneficiation and oil recovery. Introduction to Food technology elementary idea of canning and packin-Fat-Based Edible products, Sterilization and Pasteurization of food Products. Fast-based Nutraceuticals Technology of Typical Food/ food products (bread, cheese, idli, Agro-products (oilseeds) Food preservation, Food colors, Flavors, and Antioxidants. Introduction to Bioprocesses Technology, Hydrogenation, Oxidation, Esterification, Polymerization, Introduction of Microbial Biotechnology-Fine Chemicals (e.g. Biosurfactants, Spirulina, Yeast), oleo chemicals (Fatty acids, Glycerol, Methol-petrochemicals-perfumery chemicals Drugs

and pharmaceuticals.

Module-III **[14H]**

Biology of Industrial Microorganisms: (Saccharomyces, Aspergillus, penicillia, spore forming bacteria etc); Idea of Fermentation, Cell growth, Regulation of Metabolism, Substrate Assimilation/Product Secretion.; Different fermentative system; Batch and Continuous Process, Fermentor Design, Surface and submerged liquid substrate fermentation; Solid Substrate Fermentations, Fermentation raw materials, Downstream processing, Bio-mass production (alcohol, lactic acid, cheese making, bread making, soya based foods, meat fermentation, vinegar, industrial chemical, bio-polymer, bioinsecticides, food additive (amino acids, nucleosides, vitamins, fats and oils), health care products (antibiotics, steroids, vaccines), Production of Industrial solvents (alcohol, acetone, butanol etc.); Industrial Enzymes (amylase, proteases, lipases), concepts of immobilized enzymes.

Learning outcome:

1. Students will learn about different principles and methods of bioprocess control and engineering.
2. Students will learn various mechanisms and principles of microbial technology.

Course Name: Plant Biotechnology
Course Code: MBTS401
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[6H]**

Plant cell tissue and organ cultures: Introduction to cell and tissue culture techniques; tot potency; Morphogenesis in vitro; Organogenesis and somatic embryogenesis; Micropropagation and clonal propagation. Synthetic seeds; Germplasm preservation in vitro; Production of haploids and triploids (anther, microspore and endosperm culture); Protoplast culture and somatic hybridization; nuclear and cytoplasmic hybrids. Somaclonal variation in plant cell culture and regenerated plants; Cryopreservation and germplasm conservation

Module-II **[10H]**

Transgenic plant technology: Gene transfer (vertical) by classical methods; horizontal gene transfer; methods of genetic transformation in plants; methods of nuclear transformation; Organelle transformation; advantages; Direct transformation of plant systems using physical methods; Agrobacterium mediated plant transformation; manipulating gene expression in plants, selectable markers and reporter genes,

Agrobacterium tumefaciens; Genetic elements present on the Ti plasmid, genetic engineering of the Ti plasmid, vectors used to introduce foreign DNA into plant cellsbinary cloning vector, disarmed Ti plasmid, cointegrate cloning vector; comparison of methods for transfer of DNA to plants, manipulation of gene expression in plants; production of transgenic plants without reporter or marker genes.

[8H]

Module-III

Application of plant transformation for productivity and performance: Herbicide resistance; Insect resistance; Bt genes; long shelf life of fruits and flowers; molecular farming, benefits and risks; Transgene stability and gene silencing, Strategies to avoid gene silencing and improve gene expression in transgenic plants; ethics and plant genetic engineering; metabolic engineering and industrial products; plant secondary metabolites, control mechanisms and manipulations of phenylpropanoid pathway; alkaloids etc.

Course Name: Plant Biotechnology Lab
Course Code: MBTS491
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Basic techniques in plant cell, tissue and organ culture;
2. Excised embryo culture;
3. Organogenesis and somatic embryogenesis.
4. Stages of micro propagation.
5. Callus and cell suspension culture;
6. Isolation and culture of protoplasts;
7. Basic techniques in genetic transformation in plants;
8. Transformation with wild type and disarmed strains of Agrobacterium.

Learning outcome:

1. Students will learn different principles of plant transformation and its applications.
2. Students will learn different techniques of plant biotechnology.

Course Name: Bioinformatics
Course Code: MBTS402
Contact: 2L
Credits: 2
Contact Hours: 24 Hours

Module-I **[2H]**

Concept of homology, paralogy, orthology, analogy and xenology

Module-II **[8H]**

Comparison of sequences of biological macromolecules – Pairwise alignment: local and global alignment; Concept of indel, affine gap penalty; Database search algorithm, significance of hits, Karlin Altschul equation; Multiple sequence alignment, concept of consensus, interpretation with regular expression, concept of protein profile and PSSM, algorithm of PSI-BLAST

Module-III **[6H]**

Concept of tree, reading and interpreting phylogenetic trees, distance-based and character-based methods for the construction of phylogenetic trees, judging strength of clades (with BS or PP values) in a tree.

Module-IV **[4H]**

Kyte-Doolittle plot and Hopp-Woods plot- prediction of localization of a protein, prediction of TMD

Module-V **[4H]**

Secondary, tertiary and quaternary structure prediction –concept of propensity in ChouFasman method; Homology modeling, threading and ab initio method; Docking – rigid and flexible, protein-protein and protein-ligand.

Course Name: Bioinformatics Lab
Course Code: MBTS492
Contact: 4P
Credits: 2
Contact Hours: 48 Hours

1. Pairwise alignment- local and global alignment using Smith-Waterman and Needleman-Wunsch algorithm respectively. Comparison of the results with reference to percentage identity, percentage gaps.
2. Comparison of the different BLOSUM matrices.
3. Cross dot plot to identify regions of similarity/identity and self-dot plot to identify repeats.
4. Two BLAST searches - one using a house keeping protein and another using a rare protein and comparison of the results.
5. Study of the CATH and SCOP database to write a report followed by classification of a given protein.
6. Hydropathy plot of a globular and a membrane protein followed by a comparison of the two plots
7. Identification of consensus sequence through multiple sequence alignment
8. Using the multiple sequence alignment for the construction of phylogenetic tree

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School of Life Sciences

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Programme Structure 2021

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Learning outcome:

1. Students will learn structure-function studies of biomolecular mechanism.
2. Students will learn various bioinformatic tools for characterization of important biomolecules.

Course Name: Summer Project
Course Code: MBTS481
Contact: 8P
Credits: 4
Contact Hours: 96 Hours

Students will completely utilize the credit hours in lab work to finish their summer project.

Course Name: Seminar-IV & Grand Viva
Course Code: MBTS482
Contact: 4P
Credits: 4
Contact Hours: 48 Hours

Students will present PowerPoint presentation of their project details and followed by viva voce.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **04.12.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director of Public Instruction, Govt. of West Bengal (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Srijan Haldar (Member)
Dr. Semanti Ghosh (Member)
Dr. Priyajit Banerjee (Member)
Dr. Sabyasachi Ghosh (Member)
Dr. Debjit De (Member)
Dr. Subhasis Sarkar (Invited Member)
Dr. Bidisha Ghosh (Member)
Dr. Priyankar Pal (Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester IV (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester IV (National Education Policy 2020).

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester II students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Semanti Ghosh	
Dr Sabyasachi Ghosh	
Dr Subhasis Sarkar	
Dr. Bidisha Ghosh	
Dr Priyajit Banerjee	
Dr Priyankar Pal	
Dr. Debjit De	

Date: 04/12/2024

Enclosure: Course Structure and Detailed NEP syllabus

UG Biotechnology, Semester IV – NEP Syllabus

Category	Subject Name	Subject Code	Subject Credit
Major	Immunology	BBT4011	3
	Immunology Lab		1
	Recombinant DNA Technology	BBT4012	3
	Recombinant DNA Technology Lab		1
Minor	Bioinformatics	BBT4021	3
	Bioinformatics Lab		1
Skill Enhancement Course	SEC: Drug Designing & Development	BBT4051	3

Course Name: Immunology
Course Code: BBT4011

Module-I: [20H]
Immune Response - An overview, components of mammalian immune system, molecular structure of Immuno-globulins or Antibodies, Humoral & Cellular immune responses, Tlymphocytes & immune response (cytotoxic T-cell, helper T-cell, suppressor T-cells), T-cell receptors, genome rearrangements during B-lymphocyte differentiation, Antibody affinity maturation class switching, assembly of T-cell receptor genes by somatic recombination.

Module-II: [15H]
Regulation of immunoglobulin gene expression – clonal selection theory, allotypes & idiotypes, allelic exclusion, immunologic memory, heavy chain gene transcription, genetic basis of antibody diversity, hypotheses (germ line & somatic mutation), antibody diversity.

Module-III: [13H]
Major Histocompatibility complexes – class I & class II MHC antigens, antigen processing. Immunity to infection – immunity to different organisms, pathogen defense strategies, avoidance of recognition. Autoimmune diseases, Immunodeficiency-AIDS.

Module-IV: [12H]
Vaccines & Vaccination – adjuvants, cytokines, DNA vaccines, recombinant vaccines, bacterial vaccines, viral vaccines, vaccines to other infectious agents, passive & active immunization. Introduction to immunodiagnostics – RIA, ELISA.

Course Name: Immunology
Course Code: BBT4011

1. Differential leucocytes count
2. Total leucocytes count
3. Total RBC count
4. Haemagglutination assay
5. Haemagglutination inhibition assay
6. Separation of serum from blood
7. Double immunodiffusion test using specific antibody and antigen.
8. ELISA.

Learning outcomes

1. This course offers immunological processes in living organisms and the regulation of immunoglobulin gene expression.
2. This course makes you expertise in lot of techniques related to immune assay experiments.

Course Name: Recombinant DNA Technology
Course Code: BBT4012

Module-I: [15H]

Molecular tools and applications- restriction enzymes, ligases, polymerases, alkaline phosphatase. Gene Recombination and Gene transfer: Transformation, Episomes, Plasmids and other cloning vectors (Bacteriophage-derived vectors, artificial chromosomes), Microinjection, Electroporation, Ultrasonication, Principle and applications of Polymerase chain reaction (PCR), primer-design, and RT- (Reverse transcription) PCR.

Module-II: [20H]

Restriction and modification system, restriction mapping. Southern and Northern hybridization. Preparation and comparison of Genomic and cDNA library, screening of recombinants, reverse transcription. Genome mapping, DNA fingerprinting, Applications of Genetic Engineering Genetic engineering in animals: Production and applications of transgenic mice, role of ES cells in gene targeting in mice, Therapeutic products produced by genetic engineering-blood proteins, human hormones, immune modulators and vaccines (one example each).

Module-III: [10H]

Random and site-directed mutagenesis: Primer extension and PCR based methods of site directed mutagenesis, Random mutagenesis, Gene shuffling, production of chimeric proteins, Protein engineering concepts and examples (any two).

Module-IV: [15H]

Genetic engineering in plants: Use of Agrobacterium tumefaciens and A. rhizogenes, Ti plasmids, Strategies for gene transfer to plant cells, Direct DNA transfer to plants, Gene targeting in plants, Use of plant viruses as episomal expression vectors.

Course Name: Recombinant DNA Technology Lab
Course Code: BBT4012

1. Isolation of chromosomal DNA from plant cells
2. Isolation of chromosomal DNA from E. coli
3. Qualitative and quantitative analysis of DNA using spectrophotometer
4. Plasmid DNA isolation
5. Restriction digestion of DNA
6. Making competent cells
7. Transformation of competent cells.
8. Demonstration of PCR.

Learning outcomes

1. This course offers knowledge on various techniques related to Genetic engineering.

2. This course makes you expertise in molecular tools and applications related to recombinant technology.

Suggested Reading

1. Brown TA. (2006). Gene Cloning and DNA Analysis. 5th edition. Blackwell Publishing, Oxford, U.K.
2. Clark DP and Pazdernik NJ. (2009). Biotechnology-Applying the Genetic Revolution. Elsevier Academic Press, USA.
3. Glick, B.R., Pasternak, J.J. (2003). Molecular Biotechnology- Principles and Applications of recombinant DNA. ASM Press, Washington
4. Primrose SB and Twyman RM. (2006). Principles of Gene Manipulation and Genomics, 7th edition. Blackwell Publishing, Oxford, U.K.
5. Sambrook J, Fritsch EF and Maniatis T. (2001). Molecular Cloning-A Laboratory Manual. 3rd edition. Cold Spring Harbor Laboratory Press.

Course Name: Bioinformatics
Course Code: BBT4021

Module-I: [10H]
History of Bioinformatics. The notion of Homology. Sequence Information Sources, EMBL, GENBANK, Entrez, Unigene, Understanding the structure of each source and using it on the web.

Module-II: [20H]
Protein Information Sources, PDB, SWISSPROT, TREMBL, Understanding the structure of each source and using it on the web. Introduction of Data Generating Techniques and Bioinformatics problem posed by them- Restriction Digestion, Chromatograms, Blots, PCR, Microarrays, Mass Spectrometry.

Module-III: [20H]
Sequence and Phylogeny analysis, Detecting Open Reading Frames, Outline of sequence Assembly, Mutation/Substitution Matrices, Pairwise Alignments, Introduction to BLAST, using it on the web, Interpreting results, Multiple Sequence Alignment, Phylogenetic Analysis.

Module-IV: [10H]
Searching Databases: SRS, Entrez, Sequence Similarity Searches-BLAST, FASTA, Data Submission. Genome Annotation: Pattern and repeat finding, Gene identification tools.

Course Name: Bioinformatics Lab
Course Code: BBT4021

1. Sequence information resource
2. Understanding and use of various web resources: EMBL, Genbank, Entrez, Unigene, Protein information resource (PIR)
3. Understanding and using: PDB, Swissprot, TREMBL
4. Using various BLAST and interpretation of results.
5. Retrieval of information from nucleotide databases.
6. Sequence alignment using BLAST.

7. Multiple sequence alignment using ClustalW.

Learning outcomes

1. This course offers knowledge on various tools and Databases related to Bioinformatics.
2. This course makes you expertise in molecular phylogeny and sequence comparison.

Suggested Reading:

1. Ghosh Z. and Bibekanand M. (2008) Bioinformatics: Principles and Applications. Oxford University Press.
2. Pevsner J. (2009) Bioinformatics and Functional Genomics. II Edition. WileyBlackwell.
3. Campbell A. M., Heyer L. J. (2006) Discovering Genomics, Proteomics and Bioinformatics. II Edition. Benjamin Cummings.

Course Name: SEC: Drug Designing & Development
Course Code: BBT4051

Module I [10H]

Introduction to The Drug Discovery/Development: Drug Discovery, Drug Development, Source of Drugs.

Module II [15H]

Approaches to New Drug Discovery: Drugs Derived from Natural Products, Existing Drugs as a Source for New Drug Discovery, Using Disease Models as Screens for New Drug Leads, Physiological Mechanisms: the Modern "Rational Approach" to Drug Design.
Approaches to Lead Optimization:

1. Bioisosteric replacement
2. Conformation restriction
    a. Increase selectivity, b. Increase affinity
3. Pharmacophore
4. Molecular dissection
5. Metabolic stabilization

Module III [10H]

Enzymes as Targets of Drug Design: Enzyme kinetics, Enzyme inhibition and activation, Approaches to the Rational Design of Enzyme Inhibitors.

Module IV [10H]

Receptors as Targets of Drug Design: Receptor Theory, Receptor Complexes and Allosteric Modulators, Second and Third Messenger Systems, Molecular Biology of Receptors, Receptor Models and Nomenclature, Receptor Binding Assays, Lead Compound Discovery of Receptor agonists and antagonists.

Module V [10H]

Prodrug Design and Applications: Definition, Applications, Prodrug Design Considerations, Prodrug Forms of Various Functional Groups, Ester prodrugs of compounds containing –COOH or –OH, Prodrugs of compounds containing amides Drug release and activation mechanisms:

1. Simple one-step activation
2. Cascade release/activation systems

Learning outcomes

1. This course offers general characteristics of drug designing and drug discovery.
2. This course makes you expertise in Rational Design of Enzyme Inhibitors, Computer-aided drug designing methods.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member)
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member)
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester I (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester I - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester I students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar.

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member) Priyankar Pal
Dr. Bidisha Ghosh (Member) Bidisha Ghosh
Dr. Samudra Pal(Member) Samudra Pal.
Dr.Subhasis Sarkar (Invited Member) Subhasis Sarkar.

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester II (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester II - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester II students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member) Priyankar Pal
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member) Samudra Pal.
Dr.Subhasis Sarkar (Invited Member) Subhasis Sarkar

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester III (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester III - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester III students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar.

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member) Priyankar Pal
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member) Samudra Pal
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester IV (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester IV - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester IV students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	
Dr. Priyajit Banerjee	
Dr. Debjit De	
Dr Priyanakar Pal	
Dr Bidisha Ghosh	
Dr Samudra Pal	
Dr Subhasis Sarkar	

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member) Priyankar Pal
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member) Samudra Pal.
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester V (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester V - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester V students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar.

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member)
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member)
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VI (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VI - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester VI students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member)
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member)
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VII (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VII - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester VII students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	06.6.25
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	
Dr. Priyajit Banerjee	
Dr. Debjit De	
Dr Priyanakar Pal	
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member)
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member)
Dr.Subhasis Sarkar (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VIII (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Biotechnology Semester VIII - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Biotechnology Semester VIII students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar

Date: 06/06/2025
Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF BIOTECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees	
Dr. Pritha Pal (Chairman, BoS)	
Prof. Nimai Chandra Saha, Director, School of Life Sciences	
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)	
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)	
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)	
Dr. Semanti Ghosh(Member)	
Dr. Priyajit Banerjee(Member)	
Dr. Debjit De(Member)	
Dr. Priyankar Pal(Member)	
Dr. Bidisha Ghosh (Member)	Bidisha Ghosh.
Dr. Samudra Pal(Member)	
Dr.Subhasis Sarkar (Invited Member)	Subhasis Sarkar.

Agenda
1. Revision and restructuring of the syllabus of the postgraduate course (Annexurel) according to the CBCS regulations.

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Revision and restructuring of the syllabus of the postgraduate course (Annexure I) according to the Choice Based Credit System Policy.
Proposition: Revision and Restructuring of the Syllabus
Resolution: The board resolves to revise and restructure the postgraduate syllabus (Annexure I) in accordance with the Choice Based Credit System Policy, ensuring contemporary relevance and global competency.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	06.06.25
Dr. Subhajit Saha	06.6.2025
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal.
Dr Subhasis Sarkar	Subhasis Sarkar

Date: 06/06/2025
Enclosure: Course Structure and Detailed NEP syllabus

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121

Minutes of 6th BOS Committee Meeting

Department of Microbiology

School of Life Sciences

Dated: 22.01.2024, 1 pm onwards

Attendance Sheet

Sl.	Name & Designation	Position	Signature
1	Dr. Pritha Pal, Head, Department of Biotechnology & Microbiology, School of Life Sciences	Chairperson	22/1/24
2	Dr. Prajna Mandal, Associate Professor, Department of Microbiology, Acharya Prafulla Chandra College	External Expert (Academic)	Prajna Mandal 22/1/24
3	Dr. Subhasis Sarkar, Assistant Professor, Dept of Microbiology	Member	Subhasis Sarkar 22.01.2024
4	Dr. Aritri Laha, Assistant Professor, Dept of Microbiology	Member	Aritri Laha 22.01.24
5	Dr. Semanti Ghosh, Assistant Professor, Dept. of Biotechnology	Invited Member	Semanti Ghosh 22.01.24
6	Dr Sibashish Baksi, Assistant Professor, Dept of Biotechnology	Invited Member	Sibashish Baksi 22.1.24
7	Dr. Sabyasachi Ghosh, Assistant Professor, Dept. of Biotechnology	Invited Member	Sabyasachi Ghosh 22/1/24
8	Dr Srijan Haldar, Dept of Biotechnology, Associate Professor	Invited Member	Srijan Haldar 22/1/24
9	Dr Debjit De, Dept of Biotechnology	Invited Member	Debjit De 22/01/24.

SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat-Barrackpore Road, Bara Kanthalia, WB - 700121
School of Life Sciences
B.Sc. (Honours) in Microbiology Programme
Structure 2021 (As per UGC CBCS Template)

Agenda of BOS Committee Meeting

- Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester II (National Education Policy).
- Revision and restructuring of the syllabus of the undergraduate course according to the National Education Policy.

Syllabus for UG Microbiology SEM II

Category	Subject	Credit
Major	Biochemistry (MBY2012)	3+1
Minor	Medical Microbiology & Immunology (MBY2022)	3+1
Interdisciplinary subject	Life Skills Education	3
Ability Enhancement Courses	Modern Indian Language	2
Skill Enhancement Courses	Microbial Physiology & Metabolism (MBY2052)	3
Value Added Course	Health, Well Being and Yoga	4
Internship	Internship at reputed research institute/ at industry	2

Course Name: Biochemistry
Course Code: MBY2012
Course Type: Major
Credits: 3+1

Biochemistry (Theory)

Module-I: [8H] Bioenergetics: First and second laws of Thermodynamics. Definitions of Gibb's Free Energy, enthalpy, and Entropy and mathematical relationship among them, Standard free energy change and equilibrium constant Coupled reactions and additive nature of standard free energy change, Energy rich compounds: Phosphoenolpyruvate, 1,3- Bisphosphoglycerate, Thioesters, ATP

Module-II: [12H] Carbohydrates: Families of monosaccharides: aldoses and ketoses, trioses, tetroses, pentoses, and hexoses. Stereo isomerism of monosaccharides, epimers, Mutarotation and anomers of glucose. Furanose and pyranose forms of glucose and fructose, Haworth projection formulae for glucose; chair and boat forms of glucose, Sugar derivatives, glucosamine, galactosamine, muramic

Rajsree Mandal
22/6/24

acid, N- acetyl neuraminic acid, Disaccharides; concept of reducing and non-reducing sugars, occurrence and Haworth projections of maltose, lactose, and sucrose, Polysaccharides, storage polysaccharides, starch and glycogen. Structural Polysaccharides, cellulose, peptidoglycan and chitin and properties. Saponification Structural lipids. Phosphoglycerides: Building blocks, General structure, functions and properties. Structure of phosphatidylethanolamine and phosphatidylcholine, Sphingolipids: building blocks, structure of sphingosine, ceramide. Special mention of sphingomyelins, cerebrosides and gangliosides Lipid functions: cell signals, cofactors, prostaglandins, Introduction of lipid micelles, monolayers, bilayers

Module-III: [12H] Lipids: Definition and major classes of storage and structural lipids. Storage lipids. Fatty acids structure and functions. Essential fatty acids. Triacyl glycerols structure, functions and properties. Saponification Structural lipids. Phosphoglycerides: Building blocks, General structure, functions and properties. Structure of phosphatidylethanolamine and phosphatidylcholine, Sphingolipids: building blocks, structure of sphingosine, ceramide. Special mention of sphingomyelins, cerebrosides and gangliosides Lipid functions: cell signals, cofactors, prostaglandins, Introduction of lipid micelles, monolayers, bilayers.

Module-IV: [12H] Proteins: Functions of proteins, Primary structures of proteins: Amino acids, the building blocks of proteins. General formula of amino acid and concept of zwitterion. Titration curve of amino acid and its Significance, Classification, biochemical structure and notation of standard protein amino acids Ninhydrin reaction.Natural modifications of amino acids in proteins hydrolysine, cystine and hydroxyproline, Non protein amino acids: Gramicidin, beta-alanine, D-alanine and D-glutamic acid Oligopeptides: Structure and functions of naturally occurring glutathione and insulin and synthetic aspartame, Secondary structure of proteins: Peptide unit and its salient features. The alpha helix, the beta pleated sheet and their occurrence in proteins, Tertiary and quaternary structures of proteins. Forces holding the polypeptide together. Human haemoglobin structure, Quaternary structures of proteins.

Module-V: [12H] Enzymes: Structure of enzyme: Apoenzyme and cofactors, prosthetic group-TPP, coenzyme NAD,metal cofactors, Classification of enzymes, Mechanism of action of enzymes: active site, transition state complex and activation energy. Lock and key hypothesis, and Induced Fit hypothesis. Significance of hyperbolic, double reciprocal plots of enzyme activity, Km, and allosteric mechanism Definitions of terms – enzyme unit, specific activity and turnover number, Multienzyme complex: pyruvate dehydrogenase; isozyme: lactate dehydrogenase, Effect of pH and temperature on enzyme activity. Enzyme inhibition: competitive- sulfa drugs; non-competitive-heavy metal salts

Module-VI: [4H] Vitamins: Classification and characteristics with suitable examples, sources and importance

Biochemistry (Lab).

1. Properties of water, Concept of pH and buffers, preparation of buffers and Numerical problems to explain the concepts
2. Numerical problems on calculations of Standard Free Energy Change and Equilibrium constant

Arajna Mandal
22/4/24

3. Standard Free Energy Change of coupled reactions.
4. Qualitative/Quantitative tests for carbohydrates, reducing sugars, non reducing sugars
5. Qualitative/Quantitative tests for lipids and proteins
6. Study of protein secondary and tertiary structures with the help of models
7. Study of enzyme kinetics – calculation of Vmax , Km, Kcat values
8. Study effect of temperature, pH and Heavy metals on enzyme activity
9. Estimation of any one vitamin

Course Name: Medical Microbiology and Immunology
Course Code: MBY2022
Course Type: Minor
Credits: 3+1

Medical Microbiology and Immunology (Theory)

Module-I: [8H] Normal microflora of the human body and host pathogen interaction: Normal microflora of the human body: Importance of normal microflora, normal microflora of skin, throat, gastrointestinal tract, urogenital tract Host pathogen interaction: Definitions - Infection, Invasion, Pathogen, Pathogenicity, Virulence, Toxigenicity, Carriers and their types, Opportunistic infections, Nosocomial infections. Transmission of infection,

Module-II: [5H] Sample collection, transport and diagnosis: Collection, transport and culturing of clinical samples and their identification characteristics

Module-III: [3H]
Bacterial diseases: List of diseases of various organ systems and their causative agents.

Module-IV: [3H]
Viral diseases: List of diseases of various organ systems and their causative agents.

Module-V: [2H] Protozoan diseases: List of diseases of various organ systems and their causative agents.

Module-VI: [2H] Fungal diseases: Brief description of various types of mycoses.

Module-VII: [7H] Antimicrobial agents: General characteristics and mode of action: Antibacterial agents: Five modes of action with one example each: Inhibitor of nucleic acid synthesis; Inhibitor of cell wall synthesis; Inhibitor of cell membrane function; Inhibitor of protein synthesis; Inhibitor of metabolism Antifungal agents: Mechanism of action of Amphotericin B, Griseofulvin Antiviral agents: Mechanism of action of Amantadine, Acyclovir, Azidothymidine

Module-VIII: [7H] Immune Cells and Organs: Structure, Functions and Properties of: Immune Cells – Stem cell, T cell, B cell, NK cell, Macrophage, Neutrophil, Eosinophil, Basophil, Mast cell, Dendritic cell; and Immune Organs – Bone Marrow, Thymus, Lymph Node, Spleen

Module-IX: [7H] Antigens and Antibodies: Characteristics of an antigen (Foreignness, Molecular

Abhijit Mandal
22/1/24

size and Heterogeneity); Haptens; Epitopes (T & B cell epitopes), Adjuvants, Structure, Types and Functions of antibodies.

Module-X: [6H] Generation of Immune Response: Primary and Secondary Immune Response; Generation of Humoral Immune Response (Plasma and Memory cells); Generation of Cell Mediated Immune Response

Module-XI: [5H] Immunological Disorders and Tumor Immunity: Types of Autoimmunity and Hypersensitivity with examples; Immunodeficiencies - Animal models (Nude and SCID mice).

Module-XII: [5H] Immunological Techniques: Principles of Precipitation, Agglutination, Immunodiffusion, Immunoelectrophoresis, ELISA, ELISPOT

Medical Microbiology and Immunology (Lab)

1. Identify bacteria on the basis of cultural, morphological and biochemical characteristics: IMViC, TSI, nitrate reduction, urease production and catalase tests
2. Study of composition and use of important differential media for identification of bacteria: EMB Agar, McConkey agar, Mannitol salt agar, Deoxycholate citrate agar, TCBS
3. Study of bacterial flora of skin by swab method
4. Perform antibacterial sensitivity by Kirby-Bauer method
5. Identification of human blood groups.
6. To perform Total Leukocyte Count of the given blood sample.
7. To perform Differential Leukocyte Count of the given blood sample.
8. To separate serum from the blood sample (demonstration).
9. To perform immunodiffusion by Ouchterlony method.

Course Name: Microbial Physiology and Metabolism
Course Code: MBY2052
Course Type: SEC
Credits: 3

Microbial Physiology and Metabolism (Theory)

Module-I: [12H] Microbial Growth and Effect of Environment on Microbial Growth: Definitions of growth, measurement of microbial growth, Batch culture, Continuous culture, generation time and specific growth rate, synchronous growth, diauxic growth curve Microbial growth in response to environment -Temperature (psychrophiles, mesophiles, thermophiles, extremophiles, thermodurics, psychrotrophs), pH (acidophiles, alkaliphiles), solute and water activity (halophiles, xerophiles, osmophilic), Oxygen (aerobic, anaerobic, microaerophilic, facultative aerobe, facultative anaerobe),barophilic. Microbial growth in response to nutrition and energy – Autotroph/Phototroph, heterotrophy, Chemolithoautotroph, Chemolithoheterotroph, Chemoheterotroph, Chemolithotroph, photolithoautotroph, Photoorganoheterotroph.

Prajna Mandal
22/11/24

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kanthalia, WB - 700121

School of Life Sciences

B.Sc. (Honours) in ~~Biotechnology~~ Microbiology Programme

Structure 2021 (As per UGC CBCS Template)

Module-II: [10H] Nutrient uptake and Transport: Passive and facilitated diffusion Primary and secondary active transport, concept of uniport, symport and antiport Group translocation Iron uptake.

Module-III: [16H] Chemoheterotrophic Metabolism - Aerobic Respiration: Concept of aerobic respiration, anaerobic respiration and fermentation Sugar degradation pathways i.e. EMP, ED, Pentose phosphate pathway TCA cycle Electron transport chain: components of respiratory chain, comparison of mitochondrial and bacterial ETC, electron transport phosphorylation, uncouplers and inhibitors

Module-IV: [6H] Chemoheterotrophic Metabolism- Anaerobic respiration and fermentation: Anaerobic respiration with special reference to dissimilatory nitrate reduction (Denitrification; nitrate /nitrite and nitrate/ammonia respiration; fermentative nitrate reduction) Fermentation - Alcohol fermentation and Pasteur effect; Lactate fermentation (homofermentative and heterofermentative pathways), concept of linear and branched fermentation pathways

Module-V: [10H] Chemolithotrophic and Phototrophic Metabolism: Introduction to aerobic and anaerobic chemolithotrophy with an example each. Hydrogen oxidation (definition and reaction) and methanogenesis (definition and reaction) Introduction to phototrophic metabolism - groups of phototrophic microorganisms, anoxygenic vs. oxygenic photosynthesis with reference to photosynthesis in green bacteria, purple bacteria and cyanobacteria.

Module-VI: [6H] Nitrogen Metabolism - an overview: Introduction to biological nitrogen fixation Ammonia assimilation Assimilatory nitrate reduction, dissimilatory nitrate reduction, denitrification.

Prajna Mandal
22/1/24

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **16.04.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Principal, Bidhan Nagar College (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Srijan Haldar (Member)
Dr. Semanti Ghosh (Member)
Dr. Priyajit Banerjee (Member)
Dr. Sabyasachi Ghosh (Member)
Dr. Debjit De (Member)
Dr. Subhasis Sarkar (Invited Member)
Dr. Bidisha Ghosh (Member)
Dr. Priyankar Pal (Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester III (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of 5th Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester III (National Education Policy 2020).

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester III students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Microbiology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Semanti Ghosh	
Dr Sabyasachi Ghosh	
Dr Bidisha Ghosh	
Dr. Subhasis Sarkar	
Dr Priyajit Banerjee	
Dr Priyanakar Pal	
Dr. Debjit De	

Date: 16/04/2024

Enclosure: Course Structure and Detailed NEP syllabus

UG Microbiology, Semester III – NEP Syllabus

Category	Subject Name	Subject Code	Subject Credit
Major	Bacteriology	MBY3011	3
	Bacteriology Lab	MBY3011	1
	Virology	MBY3012	3
	Virology Lab	MBY3012	1
Minor	Cell Biology	MBY3021	3
	Cell Biology Lab	MBY3021	1
Skill Enhancement Course	SEC: Industrial & Food Microbiology	MBY3051	3
Ability Enhancement Course	AEC: Communicative English	AEC3041	2
Interdisciplinary Course	IDC: Educational Research	ED3031	3
	Internship		2

Course Name: Bacteriology
Course Code: MBY3011

Module-I: [14H]
Cell organization: Cell size, shape and arrangement, glycocalyx, capsule, flagella, endoflagella, fimbriae and pili. Cell-wall: Composition and detailed structure of Gram- positive and Gram-negative cell walls, Archaebacterial cell wall, Gram and acid fast staining mechanisms, lipopolysaccharide (LPS), sphaeroplasts, protoplasts, and L-forms. Effect of antibiotics and enzymes on the cell wall. Cell Membrane: Structure, function and chemical composition of bacterial and archaeal cell membranes. Cytoplasm: Ribosomes, mesosomes, inclusion bodies, nucleoid, chromosome and plasmids, Endospore: Structure, formation, stages of sporulation.

Module-II: [5H]
Bacteriological techniques: Pure culture isolation: Streaking, serial dilution and plating methods; cultivation, maintenance and preservation/stocking of pure cultures; cultivation of anaerobic bacteria, and accessing non-cultural bacteria.

Module-III: [6H]
Microscopy: Bright Field Microscope, Dark Field Microscope, Phase Contrast Microscope, Fluorescence Microscope, Confocal microscopy, Scanning and Transmission Electron Microscope.

Module-IV: [8H]
Growth and nutrition: Nutritional requirements in bacteria and nutritional categories; Culture media: components of media, natural and synthetic media, chemically defined media, complex media, selective, differential, indicator, enriched and enrichment media Physical methods of microbial control: heat, low temperature, high pressure, filtration, desiccation, osmotic pressure, radiation Chemical methods of microbial control: disinfectants, types and mode of action.

Module-V: [3H]
Reproduction in Bacteria: Asexual methods of reproduction, logarithmic representation of bacterial populations, phases of growth, calculation of generation time and specific growth rate.

Module-VI: [8H]
Bacterial Systematics: Aim and principles of classification, systematics and taxonomy, concept of species, taxa, strain; conventional, molecular and recent approaches to polyphasic bacterial taxonomy, evolutionary chronometers, rRNA oligonucleotide sequencing, signature sequences, and protein sequences. Differences between eubacteria and archaebacteria.

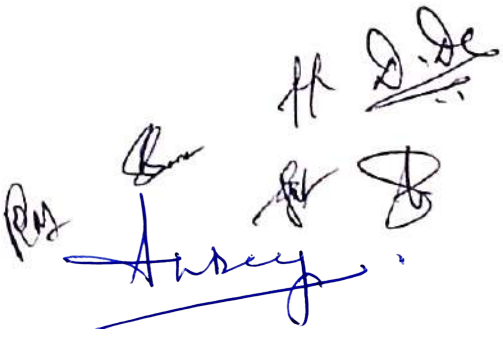
Module-VII: [16H]
Important archaeal and eubacterial groups: Archaebacteria: General characteristics, phylogenetic overview, genera belonging to Nanoarchaeota (Nanoarchaeum), Crenarchaeota (Sulfolobus, Thermoproteus) and Euryarchaeota [Methanogens (Methanobacterium, Methanocaldococcus), thermophiles (Thermococcus, Pyrococcus, Thermoplasma), and Halophiles (Halobacterium, Halococcus)] Eubacteria: Morphology, metabolism, ecological significance and economic importance of following groups: Gram Negative: Non proteobacteria: General characteristics with suitable examples Alpha proteobacteria: General characteristics with suitable examples Beta proteobacteria: General characteristics with suitable examples Gamma proteobacteria: General characteristics with suitable examples Delta proteobacteria: General characteristics with suitable examples Epsilon proteobacteria: General characteristics with suitable examples Zeta proteobacteria: General characteristics with suitable examples Gram Positive: Low G+C (Firmicutes): General characteristics with suitable examples High G+C (Actinobacteria): General characteristics with suitable examples Cyanobacteria: An Introduction.

Course Name: Bacteriology Lab.
Course Code: MBY3011

1. Preparation of different media: synthetic media BG-11, Complex Media- Nutrient agar, McConkey agar, EMB agar.
2. Simple staining
3. Negative staining
4. Gram's staining
5. Acid fast staining-permanent slide only.
6. Capsule staining
7. Endospore staining.
8. Isolation of pure cultures of bacteria by streaking method.
9. Preservation of bacterial cultures by various techniques.
10. Estimation of CFU count by spread plate method/pour plate method. 11. Motility by hanging drop method.

Learning outcomes: After completion of Bacteriology, the student will learn about the

1. Identification of cells and cellular organelles
2. Staining Techniques
3. Microscopy
4. Nutrient media preparation
5. Culturing and growth of microbes
6. Pure culture isolation
7. Reproduction and growth kinetics
8. Taxonomical analysis
9. Microbialdiversity



Suggested Readings

1. Atlas RM. (1997). Principles of Microbiology. 2nd edition. WM.T.Brown Publishers.
2. Black JG. (2008). Microbiology: Principles and Explorations. 7th edition. Prentice Hall
3. Madigan MT, and Martinko JM. (2014). Brock Biology of Micro-organisms. 14th edition. Parker J. Prentice Hall International, Inc.
4. Pelczar Jr MJ, Chan ECS, and Krieg NR. (2004). Microbiology. 5th edition Tata McGraw Hill.
5. Srivastava S and Srivastava PS. (2003). Understanding Bacteria. Kluwer Academic Publishers, Dordrecht
6. Stanier RY, Ingraham JL, Wheelis ML and Painter PR. (2005). General Microbiology. 5th edition McMillan.
7. Tortora GJ, Funke BR, and Case CL. (2008). Microbiology: An Introduction. 9th edition Pearson Education.
8. Willey JM, Sherwood LM, and Woolverton CJ. (2013). Prescott's Microbiology. 9th edition. McGraw Hill Higher Education.
9. Cappucino J and Sherman N. (2010). Microbiology: A Laboratory Manual. 9th edition. Pearson Education Limited.

Course Name: Virology
Course Code: MBY3012

Module-I:[12H]
Nature and Properties of Viruses: Introduction: Discovery of viruses, nature and definition of viruses, general properties, concept of viroids, virusoids, satellite viruses and Prions. Theories of viral origin Structure of Viruses: Capsid symmetry, enveloped and non-enveloped viruses Isolation, purification and cultivation of viruses Viral taxonomy: Classification and nomenclature of different groups of viruses

Module-II: [10H]
Bacteriophages: Diversity, classification, one step multiplication curve, lytic and lysogenic phages (lambda phage) concept of early and late proteins, regulation of transcription in lambda phage

Module-III: [20H]
Viral Transmission, Salient features of viral nucleic acids and Replication: Modes of viral transmission: Persistent, non-persistent, vertical and horizontal Salient features of viral Nucleic acid : Unusual bases (TMV,T4 phage), overlapping genes (ϕX174, Hepatitis B virus), alternate splicing (HIV), terminal redundancy (T4 phage), terminal cohesive ends (lambda phage), partial double stranded genomes (Hepatitis B), long terminal repeats (retrovirus), segmented (Influenza virus), and non-segmented genomes (picornavirus), capping and tailing (TMV) Viral multiplication and replication strategies: Interaction of viruses with cellular receptors and entry of viruses. Replication strategies of viruses as per Baltimore classification (phi X 174, Retroviridae, Vaccinia, Picorna) , Assembly, maturation and release of virions

Module-IV: [6H]
Viruses and Cancer: Introduction to oncogenic viruses Types of oncogenic DNA and RNA viruses: Concepts of oncogenes and proto-oncogenes

Module-V: [8H]
Prevention & control of viral diseases: Antiviral compounds and their mode of action Interferon and their mode of action General principles of viral vaccination

Module-VI: [4H]
Applications of Virology: Use of viral vectors in cloning and expression, Gene therapy and Phage display.

Course Name: Virology Lab
Course Code: MBY3012

1. Study of the structure of important animal viruses (rhabdo, influenza, paramyxo hepatitis B and retroviruses) using electron micrographs
2. Study of the structure of important plant viruses (caulimo, Gemini, tobacco ring spot, cucumber mosaic and alpha-alpha mosaic viruses) using electron micrographs
3. Study of the structure of important bacterial viruses (ϕX 174, T4, λ) using electron micrograph.
4. Isolation and enumeration of bacteriophages (PFU) from water/sewage sample using double agar layer technique
5. Studying isolation and propagation of animal viruses by chick embryo technique
6. Study of cytopathic effects of viruses using photographs
7. Perform local lesion technique for assaying plant viruses.

Learning outcomes: Learning outcomes: After completion of Bacteriology, the student will learn about the

1. General properties of viruses
2. Identification and cultivation of viral particles
3. Taxonomic analysis
4. Viral replication and transfection
5. Viral diversity and infection strategies
6. Virus in oncogenic activation
7. Viral control
8. Medical application of virology

Suggested Reading

1. Dimmock, NJ, Easton, AL, Leppard, KN (2007). Introduction to Modern Virology. 6th edition, Blackwell Publishing Ltd.
2. Carter J and Saunders V (2007). Virology: Principles and Applications. John Wiley and Sons.
3. Flint SJ, Enquist, LW, Krug, RM, Racaniello, VR, Skalka, AM (2004). Principles of Virology, Molecular biology, Pathogenesis and Control. 2nd edition. ASM press Washington DC.
4. Levy JA, Conrat HF, Owens RA. (2000). Virology. 3rd edition. Prentice Hall publication, New Jersey.
5. Wagner EK, Hewlett MJ. (2004). Basic Virology. 2nd edition. Blackwell Publishing.
6. Mathews. (2004). Plant Virology. Hull R. Academic Press, New York.
7. Nayudu MV. (2008). Plant Viruses. Tata McGraw Hill, India.
8. Bos L. (1999) Plant viruses-A text book of plant virology by. Backhuys Publishers.
9. Versteeg J. (1985). A Color Atlas of Virology. Wolfe Medical Publication.

Course Name: Cell Biology
Course Code: MBY3021

Module-I: [10H]
Structure and organization of Cell: Cell Organization – Eukaryotic (Plant and animal cells) and prokaryotic Plasma membrane: Structure and transport of small molecules Cell Wall: Eukaryotic cell wall, Extra cellular matrix and cell matrix interactions, Cell- Cell Interactions - adhesion junctions, tight junctions, gap junctions, and plasmodesmata (only structural aspects) Mitochondria, chloroplasts and peroxisomes Cytoskeleton: Structure and organization of actin filaments, association of actin filaments with plasma membrane, cell surface protrusions, intermediate filaments, microtubules

Module-II: [5H]
Nucleus: Nuclear envelope, nuclear pore complex and nuclear lamina Chromatin – Molecular organization Nucleolus

Module-III: [20H]
Protein Sorting and Transport: Ribosomes, Endoplasmic Reticulum – Structure, targeting and insertion of proteins in the ER, protein folding, processing and quality control in ER, smooth ER and lipid synthesis, export of proteins and lipids Golgi Apparatus – Organization, protein glycosylation, protein sorting and export from Golgi Apparatus Lysosomes

Module-IV: [10H]
Cell Signaling: Signaling molecules and their receptors Function of cell surface receptors Pathways of intra-cellular receptors – Cyclic AMP pathway, cyclic GMP and MAP kinase pathway

Module-V: [15H]
Cell Cycle, Cell Death and Cell Renewal: Eukaryotic cell cycle and its regulation, Mitosis and Meiosis Development of cancer, causes and types Programmed cell death Stem cells Embryonic stem cell, induced pleuripotent stem cells.

Course Name: Cell Biology Lab.
Course Code: MBY3021

1. Study a representative plant and animal cell by microscopy.
2. Study of the structure of cell organelles through electron micrographs
3. Cytochemical staining of DNA – Feulgen
4. Demonstration of the presence of mitochondria in striated muscle cells/ cheek epithelial cell using vital stain Janus Green B
5. Study of polyploidy in Onion root tip by colchicine treatment.
6. Identification and study of cancer cells by photomicrographs.
7. Study of different stages of Mitosis.
8. Study of different stages of Meiosis.

Learning outcomes: After completion of Bacteriology, the student will learn about the

1. Cellular structure and intracellular organization
2. Transport of macromolecules (protein)
3. How cells communicate
4. Cell cycle and its effect on cancer development

5. Microscopic identification of different stages of cell cycle

Suggested Reading

1. Hardin J, Bertoni G and Kleinsmith LJ. (2010). Becker's World of the Cell. 8th edition. Pearson.
2. Karp G. (2010) Cell and Molecular Biology: Concepts and Experiments. 6th edition. John Wiley & Sons. Inc.
3. De Robertis, EDP and De Robertis EMF. (2006). Cell and Molecular Biology. 8th edition. Lipincott Williams and Wilkins, Philadelphia.
4. Cooper, G.M. and Hausman, R.E. (2009). The Cell: A Molecular Approach. 5th Edition. ASM Press & Sunderland, Washington, D.C.; Sinauer Associates, MA.

Course Name: SEC: Industrial & Food Microbiology
Course Code: MBY3051

Course Name: AEC: Communicative English
Course Code: AEC3041

Course Name: IDC: Educational Research
Course Code: ED3031

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **30.05.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Vice Chancellor, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr Srijan Haldar (Invited Member)
Dr. Semanti Ghosh (Invited Member)
Dr Priyajit Banerjee (Member)
Dr Sabyasachi Ghosh (Invited Member)
Dr Debjit De (Invited Member)
Dr Subhasis Sarkar (Member)
Dr Bidisha Ghosh (Invited Member)
Dr Priyankar Pal (Invited Member)

Agenda
1. Revision and restructuring of the syllabus of the postgraduate course (Annexure I) according to the CBCS regulations.

Dr Pritha Pal, HOD, Department of Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Revision and restructuring of the syllabus of the post graduate course (Annexure I) according to the National Education Policy.

Proposition: Revision and Restructuring of the Syllabus

Resolution: The board resolves to revise and restructure the post graduate syllabus (Annexure I) in accordance with the National Education Policy, ensuring contemporary relevance and global competency.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Microbiology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Semanti Ghosh	
Dr Sabyasachi Ghosh	
Dr Subhasis Sarkar	
Dr Bidisha Ghosh	
Dr Priyankar Pal	
Dr. Priyajit Banerjee	
Dr. Debjit De	

Date: 30/5/2024

Enclosure: Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **04.12.2024**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director of Public Instruction, Govt. of West Bengal (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Srijan Haldar (Invited Member)
Dr. Semanti Ghosh (Invited Member)
Dr. Priyajit Banerjee (Invited Member)
Dr. Sabyasachi Ghosh (Invited Member)
Dr. Debjit De (Invited Member)
Dr. Subhasis Sarkar (Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Priyankar Pal (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester IV (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Microbiology, School of Life Sciences, discussed the following agenda in the presence of all the Board of Studies members.

Minutes of 6th Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester IV (National Education Policy 2020).

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester II students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Microbiology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr Srijan Haldar	
Dr. Bidisha Ghosh	
Dr Subhasis Sarkar	
Dr Sabyasachi Ghosh	
Dr Semanti Ghosh	
Dr Priyajit Banerjee	
Dr Priyankar Pal	
Dr. Debjit De	

Date: 04/12/2024

Enclosure: Course Structure and Detailed NEP syllabus

UG Microbiology, Semester IV – NEP Syllabus

Category	Subject Name	Subject Code	Subject Credit
Major	Microbial Genetics	MBY4011	3
	Microbial Genetics Lab		1
	Recombinant DNA Technology	MBY4012	3
	Recombinant DNA Technology Lab		1
	Bioinformatics	MBY4021	3
	Bioinformatics Lab		1
Minor	Bioethics & Bio Safety	MBY4051	4
Total			**16**

Course Name: Microbial Genetics
Course Code: MBY4011

Module-I: [18H]
Genome Organization and Mutations: Genome organization: E. coli, Saccharomyces, Tetrahymena Mutations and mutagenesis: Definition and types of Mutations; Physical and chemical mutagens; Molecular basis of mutations; Functional mutants (loss and gain of function mutants); Uses of mutations Reversion and suppression: True revertants; Intra- and inter-genic suppression; Ames test; Mutator genes.

Module-II: [10H]
Plasmids: Types of plasmids – F plasmid, R Plasmids, colicinogenic plasmids, Ti plasmids, linear plasmids, yeast- 2 μ plasmid, Plasmid replication and partitioning, Host range, plasmid-incompatibility, plasmid amplification, Regulation of copy number, curing of plasmids.

Module-III: [12H]
Mechanisms of Genetic Exchange: Transformation - Discovery, mechanism of natural competence Conjugation - Discovery, mechanism, Hfr and F' strains, Interrupted mating technique and time of entry mapping Transduction - Generalized transduction, specialized transduction, LFT & HFT lysates, Mapping by recombination and cotransduction of markers.

Module-IV: [8H]
Phage Genetics: Features of T4 genetics, Genetic basis of lytic versus lysogenic switch of phage lambda.

Module-V: [12H]
Transposable elements: Prokaryotic transposable elements – Insertion Sequences, composite and non-composite transposons, Replicative and Non replicative transposition, Mu transposon Eukaryotic transposable elements - Yeast (Ty retrotransposon), Drosophila (P elements), Maize (Ac/Ds) Uses of transposons and transposition.

Course Name: Microbial Genetics Lab.
Course Code: MBY4011

1. Preparation of Master and Replica Plates
2. Study the effect of chemical (HNO_2) and physical (UV) mutagens on bacterial cells

3. Study survival curve of bacteria after exposure to ultraviolet (UV) light
4. Isolation of Plasmid DNA from E. coli
5. Study different conformations of plasmid DNA through Agaraose gel electrophoresis.
6. Demonstration of Bacterial Conjugation
7. Demonstration of bacterial transformation and transduction 8. Demonstration of AMES test.

Learning outcomes: After completion of Bacteriology, the student will learn about the

1. Genetic mutations and mutagens
2. Development of genetic variation in microbes
3. Plasmid biology
4. Phage genetics
5. Transposons: the jumping genes

Suggested Reading:

1. Klug WS, Cummings MR, Spencer, C, Palladino, M (2011). Concepts of Genetics, 10th Ed., Benjamin Cummings
2. Krebs J, Goldstein E, Kilpatrick S (2013). Lewin's Essential Genes, 3rd Ed., Jones and Bartlett Learning
3. Pierce BA (2011) Genetics: A Conceptual Approach, 4th Ed., Macmillan Higher Education Learning
4. Watson JD, Baker TA, Bell SP et al. (2008) Molecular Biology of the Gene, 6th Ed., Benjamin Cummings

Course Name: Recombinant DNA Technology
Course Code: MBY4012

Module-I: [2H]
Introduction to Genetic Engineering: Milestones in genetic engineering and biotechnology.

Module-II: [20H]
Molecular Cloning- Tools and Strategies: Cloning Tools; Restriction modification systems: Types I, II and III. Mode of action, nomenclature, applications of Type II restriction enzymes in genetic engineering DNA modifying enzymes and their applications: DNA polymerases. Terminal deoxynucleotidyl transferase, kinases and phosphatases, and DNA ligases Cloning Vectors: Definition and Properties Plasmid vectors: pBR and pUC series Bacteriophage lambda and M13 based vectors Cosmids, BACs, YACs Use of linkers and adaptors Expression vectors: E. coli lac and T7 promoter-based vectors, yeast YIp, YEp and YCp vectors, Baculovirus based vectors, mammalian SV40-based expression vectors.

Module-III: [16H]
Methods in Molecular Cloning: Transformation of DNA: Chemical method, Electroporation, Gene delivery: Microinjection, electroporation, biolistic method (gene gun), liposome and viral-mediated delivery, Agrobacterium - mediated delivery DNA, RNA and Protein analysis: Agarose gel electrophoresis, Southern - and Northern - blotting techniques, dot blot, DNA microarray analysis, SDS-PAGE and Western blotting.

Module-IV: [10H]

DNA Amplification and DNA sequencing: PCR: Basics of PCR, RT-PCR, Real-Time PCR Sanger's method of DNA Sequencing: traditional and automated sequencing Primer walking and shotgun sequencing.

Module-V: [6H]

Construction and Screening of Genomic and cDNA libraries: Genomic and cDNA libraries: Preparation and uses, screening of libraries: Colony hybridization and colony PCR, Chromosome walking and chromosome jumping.

Module-VI: [6H]

Applications of Recombinant DNA Technology: Products of recombinant DNA technology: Products of human therapeutic interest - insulin, hGH, antisense molecules. Bt transgenic - cotton, brinjal, Gene therapy, recombinant vaccines, protein engineering and site directed mutagenesis.

Course Name: Recombinant DNA Technology Lab
Course Code: MBY4012

1. Preparation of competent cells for transformation
2. Demonstration of Bacterial Transformation and calculation of transformation efficiency.
3. Digestion of DNA using restriction enzymes and analysis by agarose gel electrophoresis
4. Ligation of DNA fragments
5. Cloning of DNA insert and Blue white screening of recombinants.
6. Interpretation of sequencing gel electropherograms
7. Designing of primers for DNA amplification
8. Amplification of DNA by PCR
9. Demonstration of Southern blotting.

Learning outcomes: Learning outcomes: After completion of Bacteriology, the student will learn about the

1. Introduction to rDNA technology
2. Tools for rDNA technologies
3. Cloning strategies
4. PCR techniques
5. Gene therapy

Suggested Reading

1. Brown TA. (2010). Gene Cloning and DNA Analysis. 6th edition. Blackwell Publishing, Oxford, U.K.
2. Clark DP and Pazdernik NJ. (2009). Biotechnology: Applying the Genetic Revolution. Elsevier Academic Press, USA
3. Primrose SB and Twyman RM. (2006). Principles of Gene Manipulation and Genomics, 7th edition. Blackwell Publishing, Oxford, U.K.
4. Sambrook J and Russell D. (2001). Molecular Cloning-A Laboratory Manual. 3rd edition. Cold Spring Harbor Laboratory Press
5. Wiley JM, Sherwood LM and Woolverton CJ. (2008). Prescott, Harley and Klein's Microbiology. McGraw Hill Higher Education
6. Brown TA. (2007). Genomes-3. Garland Science Publishers
7. Primrose SB and Twyman RM. (2008). Genomics: Applications in human biology. Blackwell Publishing, Oxford, U.K.

Course Name: Bioinformatics
Course Code: MBY4021

Module-I: [8H]
Introduction to Computer Fundamentals: RDBMS - Definition of relational database Mode of data transfer (FTP, SFTP, SCP), advantage of encrypted data transfer.

Module-II: [14H]
Introduction to Bioinformatics and Biological Databases: Biological databases – nucleic acid, genome, protein sequence and structure, gene expression databases, Database of metabolic pathways, Mode of data storage - File formats - FASTA, Genbank and Uniprot, Data submission & retrieval from NCBI, EMBL, DDBJ, Uniprot, PDB.

Module-III: [16H]
Sequence Alignments, Phylogeny and Phylogenetic trees: Local and Global Sequence alignment, pairwise and multiple sequence alignment. Scoring an alignment, scoring matrices, PAM & BLOSUM series of matrices Types of phylogenetic trees, Different approaches of phylogenetic tree construction - UPGMA, Neighbour joining, Maximum Parsomony, Maximum likelihood.

Module-IV: [10H]
Genome organization and analysis: Diversity of Genomes: Viral, prokaryotic & eukaryotic genomes Genome, transcriptome, proteome, 2-D gel electrophoresis, Maldi Toff spectroscopy Major features of completed genomes: *E. coli*, *S. cerevisiae*, *Arabidopsis*, Human.

Module-V: [12H]
Protein Structure Predictions: Hierarchy of protein structure - primary, secondary and tertiary structures, modeling Structural Classes, Motifs, Folds and Domains Protein structure prediction in presence and absence of structure template Energy minimizations and evaluation by Ramachandran plot Protein structure and rational drug design.

Course Name: Bioinformatics Lab.
Course Code: MBY4021

1. Introduction to different operating systems - UNIX, LINUX and Windows 2. Introduction to bioinformatics databases (any three): NCBI/PDB/DDBJ, Uniprot, PDB
3. Sequence retrieval using BLAST
4. Sequence alignment & phylogenetic analysis using clustalW & phylip
5. Picking out a given gene from genomes using Genscan or other softwares (promoter region identification, repeat in genome, ORF prediction). Gene finding tools (Glimmer, GENSCAN), Primer designing, Genscan/Genetool.
6. Protein structure prediction: primary structure analysis, secondary structure prediction using psi-pred, homology modeling using Swissmodel. Molecular visualization using jmol, Protein structure model evaluation (PROCHECK).
7. Prediction of different features of a functional gene.

Learning outcomes: Application of computational biology

Suggested Reading

1. Saxena Sanjay (2003) A First Course in Computers, Vikas Publishing House
2. Pradeep and Sinha Preeti (2007) Foundations of Computing, 4th ed., BPB Publications
3. Lesk M.A. (2008) Introduction to Bioinformatics. Oxford Publication, 3rd International Student Edition
4. Rastogi S.C., Mendiratta N. and Rastogi P. (2007) Bioinformatics: methods and applications, genomics, proteomics and drug discovery, 2nd ed. Prentice Hall India Publication
5. Primrose and Twyman (2003) Principles of Genome Analysis & Genomics. Blackwell.

Course Name: Bioethics & Bio Safety
Course Code: MBY4051

Module-I: [8H]
Biosafety: Introduction; biosafety issues in biotechnology; Biological Safety Cabinets & their types; Primary Containment for Biohazards; Biosafety Levels of Specific Microorganisms

Module-II: [12H]
Biosafety Guidelines: Biosafety guidelines and regulations (National and International); GMOs/LMOs- Concerns and Challenges; Role of Institutional Biosafety Committees (IBSC), RCGM, GEAC etc. for GMO applications in food and agriculture; Environmental release of GMOs; Risk Analysis; Risk Assessment; Risk management and communication; Overview of International Agreements - Cartagena Protocol.

Module-III: [4H]
AERB/RSD/RES guidelines for using radioisotopes in laboratories and precautions.

Module-IV: [12H]
Introduction to Intellectual Property: Patents, Types, Trademarks, Copyright & Related Rights, Industrial Design and Rights, Traditional Knowledge, Geographical Indications - importance of IPR – patentable and non patentables – patenting life – legal protection of biotechnological inventions – World Intellectual Property Rights Organization (WIPO).

Module-V: [12H]
Grant of Patent and Patenting Authorities: Types of patent applications: Ordinary, PCT, Conventional, Divisional and Patent of Addition; An introduction to Patent Filing Procedures; Patent licensing and agreement; Patent infringement- meaning, scope, litigation, case studies, Rights and Duties of patent owner.

Module-VI: [12H]
Agreements and Treaties: GATT, TRIPS Agreements; Role of Madrid Agreement; Hague Agreement; WIPO Treaties; Budapest Treaty on international recognition of the deposit of microorganisms; UPOV & Brene conventions; Patent Co-operation Treaty (PCT); Indian Patent Act 1970 & recent amendments.

Learning outcomes:
1. Safety guidelines to carry out biological experiments

2. Bioethics
3. Intellectual property rights

Suggested Reading:

1. Bare Act, 2007.Indian Patent Act 1970 Acts & Rules, Universal Law Publishing Co. Pvt. Ltd., New Delhi.
2. Kankanala C (2007). Genetic Patent Law & Strategy, 1st Edition, Manupatra Information Solution Pvt. Ltd. New Delhi.
3. Mittal, D.P. (1999). Indian Patents Law, Taxmann, Allied Services (p) Ltd.
4. Singh K K (2015). Biotechnology and Intelectual Property Rights: Legal and Social Impliocations, Springer India.
5. Goel D & Prashar S (2013). IPR, Biosafety and Bioethics. Pearson
6. Senthil Kumar Sadhasivam and Mohammed Jaabir, M. S. 2008. IPR, Biosafety and biotechnology Management. Jasen Publications, Tiruchirappalli, India.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester I (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester I - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester I students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	06.06.25
Dr. Subhajit Saha SHUBHAJIT	06/6/25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	Subhasis Sarkar
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr. Priyanakar Pal	Priyankar Pal
Dr. Bidisha Ghosh	Bidisha Ghosh.
Dr. Samudra Pal	Samudra Pal.
Dr.Semanti Ghosh	Semanti Ghosh.

Date: 06/06/2025
Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr. Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester II (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester II - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester II students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06/6/25
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	
Dr. Priyajit Banerjee	
Dr. Debjit De	
Dr. Priyanakar Pal	
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	
Dr.Semanti Ghosh	

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester III (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester III - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester III students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	06.06.25
Dr. Subhajit Saha	06.6.2025
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	
Dr. Priyajit Banerjee	
Dr. Debjit De	
Dr. Priyanakar Pal	
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	
Dr.Semanti Ghosh	

Date: 06/06/2025
Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester IV (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester IV - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester IV students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	Subhasis Sarkar
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr. Priyanakar Pal	Priyankar Pal
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	Samudra Pal.
Dr.Semanti Ghosh	Semanti Ghosh

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester V (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester V - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester V students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	
Dr. Priyajit Banerjee	
Dr. Debjit De	
Dr. Priyanakar Pal	
Dr. Bidisha Ghosh	
Dr. Samudra Pal	
Dr.Semanti Ghosh	

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VI (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VI - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester VI students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	Subhasis Sarkar
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr. Priyanakar Pal	Priyankar Pal
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	Samudra Pal.
Dr.Semanti Ghosh	Semanti Ghosh

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VII (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VII - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester VII students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	Subhasis Sarkar.
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr. Priyanakar Pal	Priyankar Pal
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	Samudra Pal.
Dr.Semanti Ghosh	Semanti Ghosh

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Subhasis Sarkar (Member)
Dr. Priyajit Banerjee(Invited Member)
Dr. Debjit De(Invited Member)
Dr. Priyankar Pal(Invited Member)
Dr. Bidisha Ghosh (Invited Member)
Dr. Samudra Pal (Invited Member)
Dr.Semanti Ghosh (Invited Member)

Agenda
1. Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VIII (National Education Policy 2020).

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Introduction of a 4-year Undergraduate honors course for the students of UG Microbiology Semester VIII - National Education Policy, 2020.

Proposition: Introduction of a 4-year Undergraduate Honors Course

Resolution: The board resolves to introduce a 4-year Undergraduate Honors course for UG Microbiology Semester VIII students, aligning with the National Education Policy 2020, to enhance interdisciplinary learning and research opportunities.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal

Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr. Pritha Pal	
Prof. Nimai Chandra Saha	
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Subhasis Sarkar	Subhasis Sarkar.
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr. Priyanakar Pal	
Dr. Bidisha Ghosh	Bidisha Ghosh
Dr. Samudra Pal	Samudra Pal.
Dr.Semanti Ghosh	Semanti Ghosh

Date: 06/06/2025

Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF LIFE SCIENCE
DEPARTMENT OF MICROBIOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No. 206**	Date: **06.06.2025**
Convenor: **Dr Pritha Pal**	Start time: **10:00 AM**	End time: **2:00 PM**

Attendees
Dr. Pritha Pal (Chairman, BoS)
Prof. Nimai Chandra Saha, Director, School of Life Sciences
Dr. Subhajit Saha, Department of Zoology, University of Burdwan (External Expert from Academics)
Dr. Arijit Bhattacharya, HoD, Department of Microbiology, Adamas University (External Expert from Academics)
Prof. Kousik Pramanick, Department of Life Sciences, Presidency University (External Expert from Academics)
Dr. Semanti Ghosh(Member)
Dr. Priyajit Banerjee(Member)
Dr. Debjit De(Member)
Dr. Priyankar Pal(Member)
Dr. Bidisha Ghosh (Member)
Dr. Samudra Pal(Member)
Dr.Subhasis Sarkar (Invited Member) Subhasis Sarkar.

Agenda
1. Revision and restructuring of the syllabus of the postgraduate course (Annexurel) according to the CBCS regulations.

Dr Pritha Pal, HOD, Department of Biotechnology and Microbiology, School of Life Sciences, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda: Revision and restructuring of the syllabus of the postgraduate course (Annexure I) according to the Choice Based Credit System Policy.
Proposition: Revision and Restructuring of the Syllabus
Resolution: The board resolves to revise and restructure the postgraduate syllabus (Annexure I) in accordance with the Choice Based Credit System Policy, ensuring contemporary relevance and global competency.

The minutes are issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Dr Pritha Pal
Assistant Professor & HOD, Department of Biotechnology, School of Life Sciences, Swami Vivekananda University

Attendance:

Member	*Signature*
Dr Pritha Pal	
Prof. Nimai Chandra Saha	06.6.25
Dr. Subhajit Saha	06.6.25
Dr. Arijit Bhattacharya	Arijit Bhattacharya.
Prof. Kousik Pramanick	
Dr. Semanti Ghosh	Semanti Ghosh
Dr. Priyajit Banerjee	
Dr. Debjit De	Debjit De
Dr Priyanakar Pal	Priyankar Pal
Dr Bidisha Ghosh	Bidisha Ghosh.
Dr Samudra Pal	Samudra Pal
Dr Subhasis Sarkar	Subhasis Sarkar.

Date: 06/06/2025
Enclosure: Course Structure and Detailed NEP syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING

DEPARTMENT OF Civil ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **MSB102**	Date: **13/03/2023**
Convenor: **Dr. Abir Sarkar**	Start time: **10:00 a.m**	End time: **2:00 p.m**
Minutes taken by: Mr. Sunil Priyadarshi		

Attendees
Dr. Abir Sarkar (Chairman, BoS)
Dr. Durga Mibang (External Expert from Academics)
Dr. Hasim Ali Khan (External Expert from Academics)
Dr. Animesh Paral (External Expert from Industry)
Dr. Ashes Banerjee (Member)
Mr. Avishek Adhikary (Member)
Mr. Sunil Priyadarshi (Member)

Agenda

- Introduction of New Value-Added Audit Courses beyond the Course Curriculum
- Employability/Entrepreneurship/skill development centric curriculum Implementation.
- Revision of Syllabus: Modification of name of courses & course codes in the existing M.Tech & Diploma course Curriculum.
- To discuss and approve the panel of end term question paper moderator.
- Revision of open Elective Course Content of the Diploma V semester curriculum.
- Revision of Syllabus: Deletion of few Courses from the B.Tech (CIVIL Engineering) existing curriculum.
- Introduction of PhD Course work syllabus.

Dr. Abir Sarkar, HOD,Civil Engineering Department as the Chairman of the Board of Studies, commenced the meeting by extending a warm welcome and introducing the external members to the internal members. He expressed his gratitude for their willingness to join the Board of Studies. The meeting then proceeded to discuss the agenda wise discussion.

Minutes of Board of Studies (BOS) Meeting(2022-2023)

Agenda 1:Introduction of New Value-Added Audit Courses beyond the Course Curriculum

Proposition: Introducing value-added audit courses beyond the traditional curriculum opens up an exhilarating prospect to enrich students' educational journey and bolster their employability. These courses, designed to impart practical skills, industry insights, and hands-on experiences, position our institution at the forefront of addressing the dynamic demands of the job market. They play a pivotal role in equipping our students with the necessary tools to thrive in their future careers. With meticulous planning, collaborative efforts, and continuous evaluation, we can guarantee the seamless integration and sustained success of these value-added audit courses within our academic framework.

Resolution: The industry responded favorably to the overall framework, recognizing its value and relevance. Consequently, the board has authorized the development of the detailed syllabus.

Agenda 2: Employability/Entrepreneurship/skill development centric curriculum Implementation.

Proposition: In response to the challenges posed by the shrinking job market, the Department has suggested introducing supplementary courses focused on employability, entrepreneurship, and skill development for B.Tech Civil Engineering students. These additional courses aim to bolster students' capabilities in entrepreneurship and software proficiency, recognizing the importance of diversifying skill sets to improve their prospects in the evolving job market.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 3: Revision of Syllabus: Modification of name of courses & course codes in the existing B.Tech, M.Tech & Diploma course Curriculum.

Proposition: A new Courses and Course Coding Scheme is being introduced for all courses in Civil Engineering Programs to be followed from AY2021-22. The new Codes are embedded in the Course Structure.

Resolution: The Course Structure with new course codes was approved.

Agenda 4: Revision of open Elective Course Content of the Diploma V semester curriculum.

Proposition: By fostering collaboration and continuously evaluating our methods, we can develop a flexible and responsive educational framework that equips students to tackle challenges such as disaster mitigation effectively. This approach ensures that our curriculum remains relevant and adaptive to the evolving needs of the workforce and society.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 5:

Proposition: the board can effectively discuss and approve the panel of end-term question paper moderators, ensuring the integrity and quality of the assessment process.

Resolution: The industry responded positively to the overall suggested framework, recognizing its value and alignment with industry standards. Consequently, the board has given approval to proceed with the approval of the panel of end-term question paper moderators. This endorsement underscores the importance of maintaining high-quality assessment standards and ensuring fairness in the evaluation process. With this green light, we can move forward confidently in finalizing the panel, thereby contributing to the integrity and credibility of our academic assessments.

Agenda 6: Revision of syllabus (deletion of few courses from the B.Tech CSE(AI) engineering) existing curriculum

Proposition: The agenda is to discuss the revision of the syllabus specifically focusing on the removal of certain courses from the existing B.Tech CSE(AI) engineering curriculum. The aim is to streamline the curriculum and enhance the overall quality of the engineering curriculum while ensuring that students are adequately equipped with the necessary skills and knowledge in the field of computer science and engineering. The proposal suggests the deletion of specific courses that are deemed outdated, irrelevant, or redundant in the current industry scenario. The objective is to create a more focused and industry-relevant curriculum that aligns with the latest trends and advancements in the field.

Resolution: The house unanimously agreed and welcomed the change

Agenda 7: Introduction of PhD Coursework syllabus

Proposition: The pursuit of a Doctor of Philosophy (PhD) degree represents the highest level of academic achievement and signifies a deep commitment to advanced research and scholarship within a specific field. Traditionally, PhD programs have been structured independent research, often with minimal coursework requirements. However, there is a growing recognition of the benefits of incorporating structured coursework into PhD programs to provide students with a more comprehensive and well-rounded education. This proposal outlines the rationale and framework for the introduction of a PhD coursework syllabus.

Resolution: The coursework syllabus is accepted and implemented

The minute is issued in concurrence with the Register Sri Venkateswara University and the Chairperson of BoS

Prepared By

Mr. Sunil Priyadarshi

AP, CSE,SVU

Approved By

Dr. [illegible]

Chairman, BoS

Date: 13.03.2023

Enclosure: Corrected Course Structure and Detailed syllabus

Swami Vivekananda University

BOARD OF STUDIES

Attendance Sheet

School	School Of Engineering
Department	**Civil Engineering Department**
Program -level	UG, PG & Diploma
Date of Meeting	**13/03/2023**

Sl. No.	Name	Designation	BoS position	Signature
1.	**Dr. Abir Sarkar**	Assistant Professor & Head of the Department Department of Civil Engineering.SVU	Chairman	
2.	**Dr. Durga Mibang**	Assistant Professor, Department of Civil Engineering Northeast Frontier Technical University,Aalo,Arunachal Pradesh	External Expert from Academia	
3.	**Dr. Hasim Ali Khan,**	Assistant Professor & Head of the Department, Department of Civil Engineering. School of Engineering and Technology, Adamas University, Barasat, Kolkata	External Expert from Academia	
4.	**Dr. Abhijeet Dey**	Assistant Professor, Department of Civil Engineering, Barak Valley Engineering College, Assam Science and Technology University, BVEC, Nirala, Karimganj, Assam	External Expert from Academia	
5.	**Dr. Animesh Paral**	Subject Matter Expert, Zuru Tech, Kolkata, West Bengal	External Expert from Industry	
	Dr. Ashes Banerjee	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
6.	**Mr. Avishek Adhikary**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
7.	**Mr. Sunil Priyadarshi**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **MSB102**	Date: **11/03/2024**
Convenor: **Dr. Abir Sarkar**	Start time: **10:00 a.m**	End time: **2:00 p.m**
Minutes taken by: Mr. Sunil Priyadarshi		

Attendees
Dr. Abir Sarkar (Chairman, BoS)
Dr. Durga Mibang (External Expert from Academics)
Dr. Hasim Ali Khan (External Expert from Academics)
Dr. Animesh Paral (External Expert from Industry)
Dr. Ashes Banerjee (Member)
Mr. Avishek Adhikary (Member)
Mr. Sunil Priyadarshi (Member)
Dr. Abhijeet Dey (External Expert from Academics)

Agenda

- Finalization of Four years **UG (B-Tech in Civil Engineering)** syllabus as National Education Policy (NEP), 2020 guidelines.
- Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination,
- Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination.
- Practical approach for Entrepreneurship and skill development centric curriculum Implementation.
- Revision of Syllabus: Deletion of few Courses from the Diploma (civil engineering) in existing curriculum.

Dr. Abir Sarkar, HOD,Civil Engineering Department as the Chairman of the Board of Studies, commenced the meeting by extending a warm welcome and introducing the external members to the internal members. He expressed his gratitude for their willingness to join the Board of Studies. The meeting then proceeded to discuss the agenda wise discussion.

Minutes of Board of Studies (BOS) Meeting(2023-2024)

Agenda 1: Finalization of Four years UG (B-Tech in Civil Engineering) syllabus as National Education Policy (NEP), 2020 guidelines

Proposition: Convenor of the meeting put the detailed four years draft syllabus of Under Graduate courses vide Bachelor of Civil Engineering as per National Education Policy (**NEP**), 2020 guidelines. Convenor also described the subject selection pattern, coding system of each subjects and distribution of credit pattern before the committee members.

Resolution: After detailed discussion and incorporating necessary changes, as advised by the expert members, the Draft syllabus (**Agenda-1**) has been unanimously accepted and approved as well by the committee. The committee has praise for preparing the robust syllabus as per the need of the modern times. (**Annex-1**)

Agenda 2: Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023:

Proposition: The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

Resolution: After detailed discussion the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee. (Annex-II)

Agenda 3: Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination:

Proposition: The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderato and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

Resolution: After detailed discussion the draft list of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee.

Agenda 4: Practical approach for Entrepreneurship and skill development centric curriculum Implementation

Proposition: Thrust should be given to basic knowledge about the civil engineering related subjects and their applications. Extensive technical sessions and orientation programs by the Industry Experts are need to encourage minimizing the knowledge gap. Priority should be placed on enhancing understanding of fundamental concepts in civil engineering and their practical applications. It is essential to organize comprehensive technical sessions and orientation programs led by industry experts to help bridge the knowledge gap. Industrial training or apprenticeship is required for a couple of days or months for the practical knowledge and field exposure of students to equip them today needs.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead for same.

Agenda 5: Revision of Syllabus: Deletion of few Courses from the Diploma (civil engineering) in existing curriculum.

Proposition: By this structured approach, the board can effectively navigate the process of revising the syllabus for the Diploma program, including the deletion of courses, while ensuring transparency, rigor, and stakeholder engagement.

Open the floor for discussion among board members. Encourage them to share their perspectives, concerns, and insights on the proposed deletions. Consider alternative viewpoints and explore potential implications of the proposed changes.

Resolution: The board unanimously agreed and welcomed the change.

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The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairpersonof BOS

Prepared By **:**

Mr. Sunil Priyadarshi

AP,CE,SVU

Approved By

Dr. Abir Sarkar

(Chairman, BoS)

Date: 11/03/2024

Enclosure: Corrected Course Structure and Detailed syllabus

BOARD OF STUDIES

Attendance Sheet

School	School Of Engineering
Department	Civil Engineering Department
Program -level	UG, PG & Diploma
Date of Meeting	11/03/2024

Sl. No.	Name	Designation	BoS position	Signature
1.	**Dr. Abir Sarkar**	Assistant Professor & Head of the Department ,Department of Civil Engineering,SVU	Chairman	
2.	**Dr. Durga Mibang**	Assistant Professor, Department of Civil Engineering Northeast Frontier Technical University, Aalo, Arunachal Pradesh	External Expert from Academia	
3.	**Dr. Hasim Ali Khan.**	Assistant Professor & Head of the Department, Department of Civil Engineering, School of Engineering and Technology, Adamas University, Barasat, Kolkata	External Expert from Academia	
4.	**Dr. Abhijeet Dey**	Assistant Professor, Department of Civil Engineering, Barak Valley Engineering College, Assam Science and Technology University, BVEC, Nirala, Karimganj, Assam	External Expert from Academia	
5.	**Dr. Animesh Paral**	Subject Matter Expert, Zuru Tech, Kolkata, West Bengal	External Expert from Industry	
6.	**Dr. Ashes Banerjee**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
7.	**Mr. Avishek Adhikary**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
8.	**Mr. Sunil Priyadarshi**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING

DEPARTMENT OF Civil ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **MSB102**	Date: **25/02/2025**
Convenor: **Dr. Abir Sarkar**	Start time: **10:00 a.m**	End time: **2:00 p.m**
Minutes taken by: **Mr. Sunil Priyadarshi**		

Attendees
Dr. Abir Sarkar (Chairman, BoS)
Dr. Durga Mibang (External Expert from Academics)
Dr. Hasim Ali Khan (External Expert from Academics)
Dr. Animesh Paral (External Expert from Industry)
Dr. Ashes Banerjee (Member)
Mr. Avishek Adhikary (Member)
Mr. Sunil Priyadarshi (Member)
Dr. Abhijeet Dey (External Expert from Academics)

Agenda

- Introduction of New Value-Added Audit Courses beyond the Course Curriculum
- Employability/Entrepreneurship/skill development centric curriculum Implementation.
- Revision of Syllabus: Modification of name of courses & course codes in the existing M.Tech & Diploma course Curriculum.
- To discuss and approve the panel of end term question paper moderator.
- Revision of open Elective Course Content of the Diploma V semester curriculum.
- Revision of Syllabus: Deletion of few Courses from the B.Tech (CIVIL Engineering) existing curriculum.
- Introduction of PhD Course work syllabus.
- Finalization of list of Examiners, Scrutineers & Moderators for the current semester for Diploma, UG, PG program.

Dr. Abir Sarkar, HOD,Civil Engineering Department as the Chairman of the Board of Studies, commenced the meeting by extending a warm welcome and introducing the external members to the internal members. He expressed his gratitude for their willingness to join the Board of Studies. The meeting then proceeded to discuss the agenda wise discussion.

Minutes of Board of Studies (BOS) Meeting(2025-2026)

Agenda 1:Introduction of New Value-Added Audit Courses beyond the Course Curriculum

Proposition: Introducing value-added audit courses beyond the traditional curriculum opens up an exhilarating prospect to enrich students' educational journey and bolster their employability. These courses, designed to impart practical skills, industry insights, and hands-on experiences, position our institution at the forefront of addressing the dynamic demands of the job market. They play a pivotal role in equipping our students with the necessary tools to thrive in their future careers. With meticulous planning, collaborative efforts, and continuous evaluation, we can guarantee the seamless integration and sustained success of these value-added audit courses within our academic framework.

Resolution: The industry responded favorably to the overall framework, recognizing its value and relevance. Consequently, the board has authorized the development of the detailed syllabus.

Agenda 2: Employability/Entrepreneurship/skill development centric curriculum Implementation.
Proposition: In response to the challenges posed by the shrinking job market, the Department has suggested introducing supplementary courses focused on employability, entrepreneurship, and skill development for B.Tech Civil Engineering students. These additional courses aim to bolster students' capabilities in entrepreneurship and software proficiency, recognizing the importance of diversifying skill sets to improve their prospects in the evolving job market.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 3: Revision of Syllabus: Modification of name of courses & course codes in the existing B.Tech, M.Tech & Diploma course Curriculum.
Proposition: A new Courses and Course Coding Scheme is being introduced for all courses in Civil Engineering Programs to be followed from AY2021-22. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

Agenda 4: Revision of open Elective Course Content of the Diploma V semester curriculum.

Proposition: By fostering collaboration and continuously evaluating our methods, we can develop a flexible and responsive educational framework that equips students to tackle challenges such as disaster mitigation effectively. This approach ensures that our curriculum remains relevant and adaptive to the evolving needs of the workforce and society.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 5:

Proposition: the board can effectively discuss and approve the panel of end-term question paper moderators, ensuring the integrity and quality of the assessment process.

Resolution: The industry responded positively to the overall suggested framework, recognizing its value and alignment with industry standards. Consequently, the board has given approval to proceed with the approval of the panel of end-term question paper moderators. This endorsement underscores the importance of maintaining high-quality assessment standards and ensuring fairness in the evaluation process. With this green light, we can move forward confidently in finalizing the panel, thereby contributing to the integrity and credibility of our academic assessments.

Agenda 6: Revision of Syllabus: Deletion of few Courses from the B.Tech (CIVIL Engineering) existing curriculum.

Proposition: The agenda is to discuss the revision of the syllabus, specifically focusing on the deletion of certain courses from the existing B.Tech (Civil Engineering) curriculum. this structured approach, the board can effectively navigate the process of revising the syllabus and deleting courses from the B.Tech (Civil Engineering) curriculum while ensuring transparency, rigor, and stakeholder engagement. By providing students with opportunities to engage in hands-on research experiences, collaborate with faculty mentors, and contribute to cutting-edge research projects, we can empower them to become leaders and innovators in their chosen field.

Resolution: The board unanimously agreed and welcomed the change.

Agenda 7: Introduction of PhD Course work syllabus.

Proposition: The pursuit of a Doctor of Philosophy (PhD) degree represents the highest level of academic achievement and signifies a deep commitment to advanced research and scholarship within a specific field. Traditionally, PhD programs have heavily emphasized independent research, often with minimal coursework requirements. However, there is a growing recognition of the benefits of incorporating structured coursework into PhD programs to provide students with a more comprehensive and well-rounded education. This proposal outlines the rationale and framework for the introduction of a PhD coursework syllabus.

Resolution: The coursework syllabus is accepted and implemented.

Agenda 8: Finalization of list of Examiners, Scrutineers & Moderators for the current semester for Diploma, UG, PG program.

Proposition: The list of Examiners, Scrutineers, and Moderators for the current semester for Diploma, UG, and PG Programs has been prepared and reviewed in accordance with academic and departmental guidelines. The Board of Studies (BOS) is requested to approve the list, which includes qualified individuals based on their expertise, experience, and availability to ensure smooth conduct of examinations for the semester.

Resolution: List of Examiners, Scrutineers & Moderators for the current semester for Diploma, UG, PG, was approved by BOS Committee.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Prepared By **:**

Mr. Sunil Priyadarshi

AP,CE,SVU

Approved By

Date: 25/02/2025

Dr. Abir Sarkar

(Chairman, BoS)

Enclosure: Corrected Course Structure and Detailed syllabus

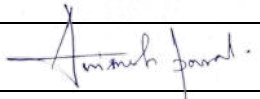
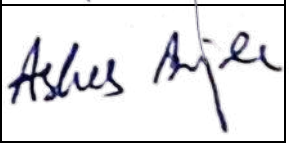
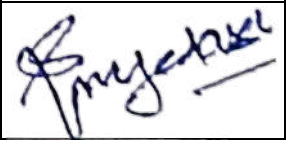
and List of Examiners, Scrutineers & Moderators

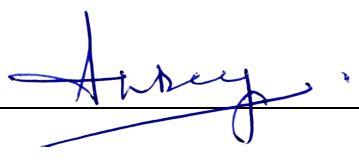
Swami Vivekananda University

BOARD OF STUDIES

Attendance Sheet

School	School Of Engineering
Department	**Civil Engineering Department**
Program -level	UG, PG & Diploma
Date of Meeting	**25/02/2025**

Sl. No.	Name	Designation	BoS position	Signature
1.	**Dr. Abir Sarkar**	Assistant Professor & Head of the Department Department of Civil Engineering,SVU	Chairman	
2.	**Dr. Durga Mibang**	Assistant Professor, Department of Civil Engineering Northeast Frontier Technical University,Aalo,Arunachal Pradesh	External Expert from Academia	
3.	**Dr. Hasim Ali Khan**,	Assistant Professor & Head of the Department, Department of Civil Engineering, School of Engineering and Technology, Adamas University, Barasat, Kolkata	External Expert from Academia	
4.	**Dr. Abhijeet Dey**	Assistant Professor, Department of Civil Engineering, Barak Valley Engineering College, Assam Science and Technology University, BVEC, Nirala, Karimganj, Assam	External Expert from Academia	
5.	**Dr. Animesh Paral**	Subject Matter Expert, Zuru Tech, Kolkata, West Bengal	External Expert from Industry	
6.	**Dr. Ashes Banerjee**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
7.	**Mr. Avishek Adhikary**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	
8.	**Mr. Sunil Priyadarshi**	Assistant Professor, Department of Civil Engineering, Swami Vivekananda University, Barrackpore	Member	



Swami Vivekananda University

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Department of Electronics and Communication Engineering
School of Engineering

4th Departmental Ad-Hoc BOS Committee Meeting

Dated: 10.04.2023

Agenda for **4th *Departmental Ad-Hoc BOS Committee Meeting:***

The Chairman of the board welcomed all the members of the board Meeting minutes

1. Members revised the curriculum and Proposed syllabus for B.Tech in Electronics and Communication Engineering according to the Choice Based Credit System (CBCS) format.
2. Members revised the curriculum and Proposed syllabus for M.Tech in Electronics and Communication Engineering mainly based on VLSI according to the CBCS curriculum.
3. Members revised the Proposed curriculum for PhD in Electronics and Communication Engineering
4. In the curriculum as per the Board members suggestions for incorporation of few New Subjects as well as some open and core electives Subjects' inclusions.
5. For the practical papers each paper may include practical contents. Theory paper in the same semester, Code names change accordingly.
6. Detail of the course done for the year 2023-24 are enclosed below

***Summary*:**

- Mrs. Shreya Adhikary initiated the meeting and briefed the objectives of BOS meeting as the chairman of the committee.
- Dr. Somali Sikder, Assistant Professor in the Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology, shared the Proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Angsuman Sarkar, Professor of the Department of Electronics and Communication Engineering, Kalyani Government Engineering College, is invited as the external subject expert and agreed with the proposed curriculum and syllabus for M.Tech are invited as the external subject expert and agreed with the proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Bandana Barman Assistant Professor Department of Electronics & Communication Engineering Kalyani Government Engineering College, is invited as the external subject expert

and agreed with the proposed curriculum for PhD in Electronics and Communication Engineering with new basket of course work.

- Dr. Debasis Mondal, Assistant Professor, Department of Electronics and Communication Engineering, shared the documents containing the Question Paper format for 2020, 2021 and 2022 batch, List of paper setters for the end semester exam, List of external paper moderators, List of Examiners, and finalized scrutiny committee members.

Action taken:

- As suggested by Mrs. Shreya Adhikary, Co-ordinator, Department of Electronics and Communication Engineering, chairman of the committee, the new course will be started from June 2023. In the meeting, list of Subjects, Question Pattern, Exam timing all are decided.

Committee members:

1. Mrs. Shreya Adhikary, Co-ordinator, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
2. Dr. Somali Sikder, Assistant Professor, Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology
3. Dr. Bandana Barman Assistant Professor, Department of Electronics & Communication Engineering Kalyani Government Engineering College
4. Dr. Angsuman Sarkar, Professor, Department of Electronics and Communication Engineering, Kalyani Government Engineering College
5. Dr. Debasis Mondal, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
6. Mr. Tomal Suvro Sannyashi, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.

Attendance:

Member	***Signature***
Mrs. Shreya Adhikary (Chairman)	Shreya Adhikary
Dr. Somali Sikder (External Member)	Somali Sikder
Dr. Bandana Barman (External Member)	

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121

Prof. (Dr.) Angsuman Sarkar (External Member)	
Dr. Debasis Mondal (Internal Member)	Debasis Mondal
Mr. Tomal Suvro Sannyashi (Internal Member)	Tomal Suvro Sannyashi.

Thank you

Shreya Adhikary

Shreya Adhikary
Co-ordinator,
Department of Electronics and Communication Engineering,
Chairperson and Convenor,
Examination committee meeting

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121

Department of Electronics and Communication Engineering
School of Engineering

5th Departmental Ad-Hoc BOS Committee Meeting

Dated: 25.01.2024

Agenda for **5th *Departmental Ad-Hoc BOS Committee Meeting:***

The Chairman of the board welcomed all the members of the board Meeting minutes

1. Members revised the curriculum and Proposed syllabus for B.Tech in Electronics and Communication Engineering according to the Choice Based Credit System (CBCS) format.
2. Members revised the curriculum and Proposed syllabus for M.Tech in Electronics and Communication Engineering mainly based on VLSI according to the CBCS curriculum.
3. Members revised the Proposed curriculum for PhD in Electronics and Communication Engineering
4. In the curriculum as per the Board members suggestions for incorporation of few New Subjects as well as some open and core electives Subjects' inclusions.
5. For the practical papers each paper may include practical contents. Theory paper in the same semester, Code names change accordingly.
6. Detail of the course done for the year 2024-25 are enclosed below

Summary:

- Mrs. Shreya Adhikary initiated the meeting and briefed the objectives of BOS meeting as the chairman of the committee.
- Dr. Somali Sikder, Assistant Professor in the Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology, shared the Proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Angsuman Sarkar, Professor of the Department of Electronics and Communication Engineering, Kalyani Government Engineering College, is invited as the external subject expert and agreed with the proposed curriculum and syllabus for M.Tech are invited as the external subject expert and agreed with the proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Bandana Barman Assistant Professor Department of Electronics & Communication Engineering Kalyani Government Engineering College, is invited as the external subject expert

and agreed with the proposed curriculum for PhD in Electronics and Communication Engineering with new basket of course work.

- Dr. Debraj Chakraborty, Assistant Professor, Department of Electronics and Communication Engineering, shared the documents containing the Question Paper format for 2020, 2021 and 2022, 2023 batch, List of paper setters for the end semester exam, List of external paper moderators, List of Examiners, and finalized scrutiny committee members.

***Action taken*:**

- As suggested by Mrs. Shreya Adhikary, Co-ordinator, Department of Electronics and Communication Engineering, chairman of the committee, the new course will be started from June 2024. In the meeting, list of Subjects, Question Pattern, Exam timing all are decided.

Committee members:

1. Mrs. Shreya Adhikary, Co-ordinator, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
2. Dr. Somali Sikder, Assistant Professor, Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology
3. Dr. Bandana Barman Assistant Professor, Department of Electronics & Communication Engineering Kalyani Government Engineering College
4. Dr. Angsuman Sarkar, Professor, Department of Electronics and Communication Engineering, Kalyani Government Engineering College
5. Dr. Debasis Mondal, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
6. Mr. Tomal Suvro Sannyashi, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
7. Dr. Debraj Chakraborty, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
8. Dr. Pradipta Maiti, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
9. Sk. Babul Akhtar, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.

Attendance:

Member	*Signature*

Swami Vivekananda University

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Mrs. Shreya Adhikary (Chairman)	Shreya Adhikary
Dr. Somali Sikder (External Member)	Somali Sikder.
Dr. Bandana Barman (External Member)	
Prof. (Dr.) Angsuman Sarkar (External Member)	
Dr. Debasis Mondal (Internal Member)	Debasis Mondal
Mr. Tomal Suvro Sannyashi (Internal Member)	Tomal Suvro Sannyashi.
Dr. Debraj Chakraborty (Internal Member)	
Dr. Pradipta Maiti (Internal Member)	Pradipta Maiti
Sk. Babul Akhtar (Internal Member)	Sk Babul Akhtar

Thank you

Shreya Adhikary

Shreya Adhikary
Co-ordinator,
Department of Electronics and Communication Engineering,
Chairperson and Convenor,
Examination committee meeting

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121

Department of Electronics and Communication Engineering
School of Engineering

6th Departmental Ad-Hoc BOS Committee Meeting

Dated: 09.01.2025

Agenda for **6th *Departmental Ad-Hoc BOS Committee Meeting:***

The Chairman of the board welcomed all the members of the board Meeting minutes

1. Members revised the curriculum and Proposed syllabus for B.Tech in Electronics and Communication Engineering according to the Choice Based Credit System (CBCS) format.
2. Members revised the curriculum and Proposed syllabus for M.Tech in Electronics and Communication Engineering mainly based on VLSI according to the CBCS curriculum.
3. Members revised the Proposed curriculum for PhD in Electronics and Communication Engineering
4. In the curriculum as per the Board members suggestions for incorporation of few New Subjects as well as some open and core electives Subjects' inclusions.
5. For the practical papers each paper may include practical contents. Theory paper in the same semester, Code names change accordingly.
6. Detail of the course done for the year 2025-26 are enclosed below

***Summary*:**

- Dr. Sudip Das initiated the meeting and briefed the objectives of BOS meeting as the chairman of the committee.
- Dr. Somali Sikder, Assistant Professor in the Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology, shared the Proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Angsuman Sarkar, Professor of the Department of Electronics and Communication Engineering, Kalyani Government Engineering College, is invited as the external subject expert and agreed with the proposed curriculum and syllabus for M.Tech are invited as the external subject expert and agreed with the proposed curriculum and syllabus for B Tech in Electronics and Communication Engineering, M Tech in Electronics and Communication Engineering.
- Dr. Bandana Barman Assistant Professor Department of Electronics & Communication Engineering Kalyani Government Engineering College, is invited as the external subject expert

and agreed with the proposed curriculum for PhD in Electronics and Communication Engineering with new basket of course work.

- Dr. Rajdeep Ray, Associate Professor, Department of Electronics and Communication Engineering, shared the documents containing the Question Paper format for 2020, 2021, 2022, 2023, and 2024 batch, List of paper setters for the end semester exam, List of external paper moderators, List of Examiners, and finalized scrutiny committee members.

***Action taken*:**

- As suggested by Dr. Sudip Das, HoD, Department of Electronics and Communication Engineering, chairman of the committee, the new course will be started from June 2024. In the meeting, list of Subjects, Question Pattern, Exam timing all are decided.

Committee members:

1. Dr. Sudip Das, HoD, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
2. Dr. Somali Sikder, Assistant Professor, Department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology
3. Dr. Bandana Barman Assistant Professor, Department of Electronics & Communication Engineering Kalyani Government Engineering College
4. Dr. Angsuman Sarkar, Professor, Department of Electronics and Communication Engineering, Kalyani Government Engineering College
5. Dr. Rajdeep Ray, Associate Professor, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
6. Dr. Debasis Mondal, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
7. Mrs. Shreya Adhikary, Assistant Professor, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
8. Mr. Tomal Suvro Sannyashi, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.
9. Sk. Babul Akhtar, Department of Electronics and Communication Engineering, Swami Vivekananda University, Barrackpore.

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121

Attendance:

Member	***Signature***
Dr. Sudip Das (Chairman)	
Dr. Somali Sikder (External Member)	S. Sikder
Dr. Bandana Barman (External Member)	Bandana Barman
Prof. (Dr.) Angsuman Sarkar (External Member)	
Dr. Rajdeep Ray (Internal Member)	
Dr. Debasis Mondal (Internal Member)	Debasis Mondal
Mrs. Shreya Adhikary (Internal Member)	Shreya Adhikary
Mr. Tomal Suvro Sannyashi (Internal Member)	Tomal Suvro Sannyashi.
Sk. Babul Akhtar (Internal Member)	Sk Babul Akhtar

Thank you

Dr. Sudip Das
Head of the Department
Department of Electronics and Communication Engineering,
Chairperson and Convenor,
Examination committee meeting

Bandana Barman.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICCAL ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **BNB Block, Room No.110**	Date: **11/03/2023**
Convenor: **Dr. Rituparna Mitra**	Start time: **10:00 a.m**	End time: **2:00 p.m**

Attendees	
Dr. Rituparna Mitra (Chairman, BoS)	Rituparna Mitra
Dr. Abhinandan De (External Expert from Academics)	Abhinandan De.
Dr. Sandip Chanda (External Expert from Academics)	Sandip Ch.
Dr. Subhra Jana (External Expert from Academics)	Subhra Jana
Dr. Pritam Kumar Gayen (External Expert from Academics)	Pritam Kumar Gayen
Dr. Rituparna Mukherjee (Member)	Rituparna Mukherjee.
Mr. Abhishek Dhar (Member)	Abhishek Dhar
Mr. Avik Datta (Member)	Avik Datta.
Mr. Titas Kumar Nag (Member)	Titas Kumar Nag.
Mrs. Susmita Dhar Mukherjee (Member)	Susmita Dhar Mukherjee

Agenda

- Employability/Entrepreneurship/skill development centric curriculum Updation.
- Revision of Syllabus: Modification of name of courses & course codes in the existing B.Tech, M.Tech & Diploma course Curriculum.
- Revision of Course Content of the B.Tech, MTech & Diploma course curriculum.

Dr. Rituparna Mitra, HOD, Dept. of Electrical Engineering (EE), discussed the following agenda in presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting

Agenda 1: Employability/Entrepreneurship/skill development centric curriculum Updation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills/software skill in B.Tech Electrical Engineering students.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 2: Revision of Syllabus: Modification of name of courses & course codes in the existing B.Tech, M.Tech & Diploma course Curriculum.
Proposition: A new Courses and Course Coding Scheme is being introduced for all courses in Electrical Engineering Programs to be followed from AY2022-23. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

Agenda 3: Revision of Audit courses from existing MTech in Electrical Engineering with specialization with Power System & Power Electronics course curriculum.

Proposition: The revision of audit courses within the MTech program in Electrical Engineering with specialization in Power System and Power Electronics is crucial for staying abreast of technological advancements and industry demands. By aligning the curriculum with emerging trends, enhancing students' technical competencies, and fostering industry partnerships, we can ensure that graduates are well-equipped to excel in diverse roles within the manufacturing sector. Through collaborative efforts and ongoing evaluation, we can create a dynamic and responsive educational framework that prepares students for the challenges and opportunities of the future.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Prepared By

Rituparna Mitra

Dr. Rituparna Mitra

Assistant Professor & HOD, Department of Electrical Engineering, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Rituparna Mitra (Chair)	
Dr. Abhinandan De	

Dr. Sandip Chanda

Dr. Subhra Jana

Dr. Pritam Kumar Gayen

Dr. Rituparna Mukherjee

Mr. Abhishek Dhar

Mr. Avik Datta

Mr. Titas Kumar Nag

Mrs. Susmita Dhar Mukherjee

Date: 11/03/2023

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

Department of English

Minutes of the Board of Studies Meeting

Mode: Online

Date: 4.11.2023

Members Present:

1. Professor (Dr.) Sanjukta Dasgupta, Former Dean, Faculty of Arts, University of Calcutta as **External Expert**, Board of Studies
2. Professor (Dr.) Chandrava Chakravarty, Professor, Department of English, West Bengal State University as **External Expert**, Board of Studies
3. Professor (Dr.) Deb Narayan Bandopadhyay, Chief Executive Director (Academics), and **Chairperson**, Board of Studies, Swami Vivekananda University
4. Ms. Rituparna Chakraborty, Assistant Professor & Head, and **Convenor**, Board of Studies, Swami Vivekananda University
5. Dr. Shubham Bhattacharjee, Assistant Professor as **Member**
6. Dr. Moupikta Mukherjee, Assistant Professor as **Member**
7. Dr. Shantanu Siuli, Assistant Professor as **Member**
8. Ms. Shreyoshi Dhar, Assistant Professor as **Member**
9. Mr. Agnideepto Datta, Assistant Professor as **Member**
10. Mr. Debarshi Arathdar, Assistant Professor as **Member**

Members Absent:

1. Professor (Dr.) Pinaki Roy, Professor, Department of English, Raiganj University
2. Professor (Dr.) Debashish Chattopadhyay, Professor, Department of English, Swami Vivekananda University
3. Dr. Tirna Sadhu, Assistant Professor, Department of English, Swami Vivekananda University

Agenda of the Meeting:

1. Board of Studies Meeting with the External Experts for the finalization of list of moderators

Resolution of the meeting:

1. Proposed list of moderators:

Sl. No.	Name	Designation
1	Prof. (Dr.) Subir Kumar Dhar	Director, School of International Languages, Sister Nivedita University
2	Prof. (Dr.) Niladri Ranjan Chatterjee	Professor, Department of English, University of Kalyani
3	Prof. (Dr.) Sharmistha Chatterjee	Professor, Department of English, Netaji Subhash Open University
4	Prof. (Dr.) Arpita Chattaraj	Professor, Department of English, University of Burdwan
5	Prof. (Dr.) Aparajita Hazra	Dean of the Faculty of Arts, Diamond Harbour Women's University
6	Prof. (Dr.) Debarati Bandyopadhyay	Department of English, University of Visva-Bharati University
7	Prof. (Dr.) Nandini Saha	Department of English, Jadavpur University
8	Associate Prof. (Dr.) Tapu Biswas	Department of English, University of Visva-Bharati University
9	Associate Prof. (Dr.) Jolly Das	Department of English, Vidyasagar University
10	Associate Prof. (Dr.) Ipsita Sengupta	Department of English, Bankura University

11	Associate Prof. (Dr.) Sneha Kar Chwodhury	Department of English, West Bengal State University
12	Associate Prof. (Dr.) Madhumita Majumdar	Department of English, Diamond Harbour Women's University
13	Associate Prof. (Dr.) Siddhartha Biswas	Department of English, University of Calcutta
14	Assistant Prof. (Dr.) Jayeeta Ray	Department of English, Rabindra Bharati University
15	Assistant Prof. (Dr.) Jati Sankar Mondal	Department of English, Sidho Kanho Birsha University

Sl. No.	**Name**	**Designation**	**Affiliation**	**Signature with Date**
1	Prof. (Dr.) Deb Narayan Bandopadhyay	Chief Executive Director (Academics), and Chairperson, Board of Studies	Swami Vivekananda University	
2	Ms. Rituparna Chakraborty	Assistant Professor & Head, and Convenor, Board of Studies	Swami Vivekananda University	
3	Prof. (Dr.) Sanjukta Dasgupta	Former Dean, Faculty of Arts, and External Expert, Board of Studies	University of Calcutta	
4	Prof. (Dr.) Chandrava Chakravarty	Professor, and External Expert, Board of Studies	West Bengal State University	
5	Dr. Shubham Bhattacharjee	Assistant Professor, and Member, Board of	Swami Vivekananda	

		Studies	University	
6	Dr. Moupikta Mukherjee	Assistant Professor, and Member, Board of Studies	Swami Vivekananda University	
7	Dr. Shantanu Siuli	Assistant Professor, and Member, Board of Studies	Swami Vivekananda University	
8	Mr. Agnideepto Datta	Assistant Professor, and Member, Board of Studies	Swami Vivekananda University	
9	Ms. Shreyoshi Dhar	Assistant Professor, and Member, Board of Studies	Swami Vivekananda University	
10	Mr. Debarshi Arathdar	Assistant Professor, and Member, Board of Studies	Swami Vivekananda University	

SWAMI VIVEKANANDA UNIVERSITY

Department of English
School of Humanities and Social Sciences

Minutes of PG Board of Studies Meeting

Mode: Online
Meeting link: https://meet.google.com/bsb-anex-zet
Dated: 21.08.2024
Day: Wednesday
Time: 2:00 PM

In attendance:

1. **Prof. Amrit Sen, Department of English, Visva Bharati as External expert**
2. **Prof. Tania Chakravertty, Department of English, Diamond Harbour Women's University as External expert**
3. **Prof. Nibedita Mukherjee, Department of English, Sidho-Kanho Birsha University as External expert**
4. Dr. Rituparna Chakraborty, Head, Department of English as ***Chairperson & Convenor***
5. Dr. Madhumita Roy, Associate Professor, ***Member***
6. Dr. Shubham Bhattacharjee, Assistant Professor, ***Member***
7. Dr. Shantanu Siuli, Assistant Professor, ***Member***
8. Dr. Tirna Sadhu, Assistant Professor as ***Member***
9. Mr. Debarshi Arathdar, Assistant Professor, ***Member***
10. Mr. Agnideepto Datta, Assistant Professor, ***Member***
11. Ms. Shreyoshi Dhar, Assistant Professor, ***Member***
12. Mr. Soumyarup Bhattacharjee, Assistant Professor, ***Member***
13. Mr. Sudipta Dutta, Assistant Professor, ***Member***

Resolution of the Agenda
of PG Board of Studies Meeting:

1.1 Proposal to present the draft of the post-graduation syllabus of the Department of English to external experts for review, discussion, and refinement, and to incorporate their pertinent insights with inputs from our faculty members as well, in order to finalize the curriculum structure and content.

Action Taken: The department received the successful revision of the draft of the post-graduation syllabus which was subsequently assessed and approved by the external experts and accepted by the departmental faculties

Sl. No.	Names	Signature with date
1	**Prof. Amrit Sen, Department of English, Visva Bharati as External expert**	
2	**Prof. Tania Chakravertty, Department of English, Diamond Harbour Women's University as External expert**	
3	**Prof. Nibedita Mukherjee, Department of English, Sidho-Kanho Birsha University as External expert**	
4	Dr. Rituparna Chakraborty, Head, Department of English as ***Chairperson & Convenor***	Rituparna Chakraborty
5	Dr. Madhumita Roy, Associate Professor, ***Member***	Madhumita Roy
6	Dr. Shubham Bhattacharjee, Assistant Professor, ***Member***	Shubham Bhattacharjee
7	Dr. Shantanu Siuli, Assistant Professor, ***Member***	Shantanu Siuli

8	Dr. Tirna Sadhu, Assistant Professor as ***Member***	Tirna Sadhu
9	Mr. Debarshi Arathdar, Assistant Professor, ***Member***	Debarshi Aradhar
10	Mr. Agnideepto Datta, Assistant Professor, ***Member***	Agnideepto Datta
11	Ms. Shreyoshi Dhar, Assistant Professor, ***Member***	
12	Mr. Soumyarup Bhattacharjee, Assistant Professor, ***Member***	Soumyarup Bhattacharjee
13	Mr. Sudipta Dutta, Assistant Professor, ***Member***	Sudipta Dutta

SWAMI VIVEKANANDA UNIVERSITY

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Minutes of the Meeting / Resolution

Subject: Board of Studies meeting

Convened by: Mr. Sourav Saha	School / Department /Section: School of Computer Science and Dept. of CSE	
Date: 10/07/2023	Time: 2 p.m.	Minutes taken by: Dr. Ranjan Kumar Mondal, HOD
Venue: ANNEX 104	Mode: Physical	Meeting No: 2

Members attended:

Sl. No	Name	Full affiliation	BoS position
1	Prof. Amlan Chakraborty	Head, IT & Tech. InnovationCell Dept. of Higher Education, Govt. of West Bengal& Professor & Director, A.K. Choudhury School of I.T. University of Calcutta.	External Expert from Academia
2	Prof. J.K. Mandal	Professor, Department of Computer Science and Engineering (erstwhile Director, IQAC, University of kalyani	External Expert from Academia
3	Dr. Soumya Sen	Professor and Head, Computer Science and Engineering A.K. Choudhury School of I.T. University of Calcutta.	External Expert from Academia
4	Prof. SS Gupta	Professor, Dept. of CSE, Swami Vivekananda University	Invited Member
5	Dr Ranjan Kumar Mondal	HoD, Assistant Professor, Dept. of CSE, Swami Vivekananda University	Chairman
6	Sourav Saha	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
7	Subrata Nandi	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
8	Sumana Chakraborty	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
9	Dr. Subir Gupta	Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
10	Dr. Sohom Mukherjee	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
11	Lipika Mukherjee Pal	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
12	Shardha Roy Chowdhury	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member

Leave of absence granted to:

Agenda List:

- The following curriculum and course structure are approved by the BOS, NEP 4 years Curriculum and Course structure of the following programs:
  - Bachelor of Computer Applications (BCA)
  - Bachelor of Advanced Networking and Cyber Security (ANCS)
  - Syllabus modification for Bachelor of Technology in CSE and DS

•Introduction of NEP for the course Bachelor of Computer Application (BCA) and Bachelor of Advanced Networking and Cyber Security (ANCS)

Resolution:

- The following curriculum and course structure are approved by the BOS, NEP 4 years Curriculum and Course structure
  - Bachelor of Computer Applications (BCA) **is Approved**
  - Bachelor of Advanced Networking and Cyber Security (ANCS) **is Approved**
- **NEP introduced for Bachelor of Computer Application (BCA) and Bachelor of Advanced Networking and Cyber Security (ANCS).**
- **Modified Syllabus for Bachelor of Technology in CSE and DS has been approved.**

SWAMI VIVEKANANDA UNIVERSITY

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Board of Studies Attendees

Date: 10/07/2023

List of Members

School	School of Computer Science
Department	Department of Computer Science and Engineering
Program-level	UG

Sl. No.	Name	Designation and Affiliation	BoS Position	Email id	Signature
1	Prof.(Dr.) Jyotsna Kumar Mandal	Former Vice Chancellor, Raiganj University, Erstwhile Professor, Kalyani University, Kalyani, West Bengal.	External Expert	jkm.cse@gmail.com	10/07/2023
2	Prof. Dr. Amlan Chakrabarti	Professor and Director A.K. Choudhury School of I.T. University of Calcutta.	External Expert	acakcs@caluniv.ac.in	10/07/2023
3	Dr. Soumya Sen	Professor, Calcutta University, Kolkata, West Bengal	External Expert	iamsoumyasen@gmail.com	10/07/2023
4	Prof. (Dr.)Somsubhra Gupta	Professor, Dept of CSE, Swami Vivekananda University	Invited Members	dean.science@svu.ac.in	10/07/2023
5	Dr. Ranjan Kumar Mondal	HoD, Assistant Professor, Dept of CSE, Swami Vivekananda University	Chairman	iamsoumyasen@gmail.com	10/07/2023
6	Sourav Saha	Program Co coordinator, Assistant Professor, Dept of CSE, Swami Vivekananda University	Convener	sourav@svu.ac.in	10/07/2023
7	Subrata Nandi	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	subratan@svu.ac.in	10/07/2023
8	Sumana Chakraboty	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	sumanac@svu.ac.in	10/07/2023
9	Dr. Subir Gupta	Professor, Dept of CSE, Swami Vivekananda University	Internal Member	subirg@svu.ac.in	10/07/2023
10	Sohom Mukherjee	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	sohomm@svu.ac.in	10/07/2023
11	Lipika Mukherjee Pal	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	lipikam@svu.ac.in	10/07/2023
12	Shradha Roy Chowdhury	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	shradharc@svu-ac.in	10/07/2023

SWAMI VIVEKANANDA UNIVERSITY

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Minutes of the Meeting / Resolution

Subject: Board of Studies meeting

Convened by: Mr. Sourav Saha		School / Department /Section: School of Computer Science and Dept. of CSE	
Date: 02/02/2024		Time: 2 p.m.	Minutes taken by: Dr. Ranjan Kumar Mondal, HOD
Venue: Block-6 Hall -1		Mode: Physical	Meeting No: 4
Members attended:			
Sl. No	**Name**	**Full affiliation**	**BoS position**
1	Prof. Amlan Chakraborty	Head, IT & Tech. InnovationCell Dept. of Higher Education, Govt. of West Bengal& Professor & Director, A.K. Choudhury School of I.T. University of Calcutta.	External Expert from Academia
2	Prof. J.K. Mandal	Professor, Department of Computer Science and Engineering (erstwhile Director, IQAC, University of kalyani	External Expert from Academia
3	Dr. Soumya Sen	Professor and Head, Computer Science and Engineering A.K. Choudhury School of I.T. University of Calcutta.	External Expert from Academia
4	Prof. SS Gupta	Professor, Dept. of CSE, Swami Vivekananda University	Invited Member
5	Dr Ranjan Kumar Mondal	HoD, Assistant Professor, Dept. of CSE, Swami Vivekananda University	Chairman
6	Sourav Saha	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
7	Subrata Nandi	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
8	Sumana Chakraborty	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
9	Sangita Bose	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
10	Sukriti Santra	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
11	Lipika Mukherjee Pal	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
12	Gautam Banerjee	Assistant Professor, Dept. of CSE, Swami Vivekananda University	Internal Member
Leave of absence granted to:			

Agenda List:

- The following curriculum and course structure are approved by the BOS, NEP 4 years Curriculum and Course structure of the following programs:
  - Bachelor of Computer Applications (BCA)
  - Bachelor of Advanced Networking and Cyber Security (ANCS)
  - Bachelor of Multimedia and Animation (MA)

- Approval of list of Paper setter, Moderators and Examiners for the forthcoming Even Semester 2024 Examination and Odd 2023 Examination (Post facto)

Resolution:

- The following curriculum and course structure are approved by the BOS, NEP 4 years Curriculum and Course structure
    - Bachelor of Computer Applications (BCA) **is Approved**
    - Bachelor of Advanced Networking and Cyber Security (ANCS) **is Approved**
    - Bachelor of Multimedia and Animation (MA) **is Approved**
- The list of moderators, paper setters, Examiners **are approved** the BoS after Examination Coordinator, Ms. Chakraborty placed this for kind approval.

SWAMI VIVEKANANDA UNIVERSITY

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Board of Studies Attendees

Date : 2/2/2024

List of Members

School	School of Computer Science
Department	Department of Computer Science and Engineering
Program-level	UG

Sl. No.	Name	Designation and Affiliation	BoS Position	Email id	Signature
1	Prof.(Dr.) Jyotsna Kumar Mandal	Former Vice Chancellor, Raiganj University, Erstwhile Professor, Kalyani University, Kalyani, West Bengal.	External Expert	jkm.cse@gmail.com	02/02/2024.
2	Prof. Dr. Amlan Chakrabarti	Professor and Director A.K. Choudhury School of I.T. University of Calcutta.	External Expert	acakcs@caluniv.ac.in	2/02/2024
3	Dr. Soumya Sen	Professor, Calcutta University, Kolkata, West Bengal	External Expert	iamsoumyasen@gmail.com	02/02/24
4	Prof. (Dr.)Somsubhra Gupta	Professor, Dept of CSE, Swami Vivekananda University	Invited Members	dean.science@svu.ac.in	2/2/2024
5	Dr. Ranjan Kumar Mondal	HoD, Assistant Professor, Dept of CSE, Swami Vivekananda University	Chairman	iamsoumyasen@gmail.com	2.2.24
6	Sourav Saha	Program Co coordinator, Assistant Professor, Dept of CSE, Swami Vivekananda University	Convener	sourav@svu.ac.in	2.2.24
7	Subrata Nandi	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	subratan@svu.ac.in	2/2/24
8	Sumana Chakraboty	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	sumanac@svu.ac.in	02/2/2024
9	Sangita Bose	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	sangitab@svu.ac.in	Sangita Bose 02/02/2024
10	Sukriti Santra	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	sukritis@svu.ac.in	Sukriti Santra 02/02/24
11	Lipika Mukherjee Pal	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	lipikam@svu.ac.in	02/02/2024
12	Gautam Banerjee	Assistant Professor, Dept of CSE, Swami Vivekananda University	Internal Member	gautamb@svu.ac.in	2/2/2024

IT Application in Business	BBA1051	I	Sourav saha	Dr.Mahamudda Sultana	Sumana Chakraborty	Sukriti Santra	Sumana Chakraborty
Agri-Informatics	AST204	I	Sourav saha	Dr. Swarup Kumar Ghosh	Subrata Nandi	Sumana Chakraborty	Sumana Chakraborty
Web Technology	BECG 701A	VII	Subrata Nandi	Mr. Sanjoy Mondal	LipikaMukherjee Pal	Sumana Chakraborty	Sumana Chakraborty
Computer Fundamental	BBS 301A	III	Subrata Nandi	Mr. Sanjoy Mondal	LipikaMukherjee Pal	Sumana Chakraborty	Sumana Chakraborty
Computer Programming	MA4105	I	Subrata Nandi	Mr. Siddhartha Chatterjee	Dr. Ranjan kumar Mondal	Sumana Chakraborty	Sumana Chakraborty

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALLIED HEALTH SCIENCES
DEPARTMENT OF FOOD AND NUTRITION

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No.309**	Date:**12/07/2023**
Convenor: **Dr. Manisha Maity**	Start time:**11:00 a.m**	End time:**2:00 p.m**

Attendees
Dr. Manisha Maity (Chairman, BoS)
Prof. Pubali Dhar (External Expert from Academics)
Dr. Anindita Ray Chakravarti (External Expert from Academics)
Prof. Bidyut Bandhopadhyay (External Expert from Academics)
Dr. Souvik Tewari (Member)
Dr. Rupali Dhara Mitra (Member)
Ms. Shreyasi Das (Member)
Dr. Moumita Dev (Member)
Dr. Jagannath Ghosh (Member)

Agenda
❖ Employability/Entrepreneurship/skill development centric curriculum Updation. ❖ Revision of Syllabus: Modification of name of courses & course codes in the existing B.Sc Curriculum. ❖ Revision of Course Content of the B.Sc. course curriculum.

Dr. Manisha Maity, HOD, Dept. of Food and Nutrition (F&N), discussed the following agenda in presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting

Agenda 1: Employability/Entrepreneurship/skill development centric curriculum Updation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills in students.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 2: Revision of Syllabus: Modification of name of courses & course codes in the existing B.Sc course Curriculum.

Proposition: A new Courses and Course Coding Scheme of Major and SEC subjects are being introduced for B.Sc courses in Clinical Nutrition and Dietetics to be followed from AY2023-24. The new Codes are embedded in the Course Structure.

Resolution: The Course Structure with new course codes was approved.

Agenda 3: Revision of course curriculum: Modification of syllabus

Propositions: Several portions were added on the advice of the external members and also excluded unwanted parts

Prepared By

Manisha Maity

Dr. Manisha Maity

Assistant Professor& HOD, Department of Food and Nutrition, Swami Vivekananda University

Attendance:

Member	***Signature***
Prof. Pubali Dhar	P. Dhar
Dr. Anindita Ray Chakravarti	Anindita Ray (Chakravarti)
Prof. Bidyut Bandhopadhyay	
Mrs. Paromita Mukherjee	Paromita Mukherjee

Dr. Souvik Tewari Souvik Tewari

Dr. Rupali Dhara Mitra Rupali Dhara Mitra

Ms. Shreyasi Das Shreyasi Das.

Dr. Jagannath Ghosh Jagannath Ghosh

Dr. Moumita Dev Moumita Dev

Date: 12/07/2023

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALLIED HEALTH SCIENCES
DEPARTMENT OF FOOD AND NUTRITION

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No.309**	Date:**21/01/2024**
Convenor: **Dr. Manisha Maity**	Start time:**11:00 a.m**	End time:**2:00 p.m**

Attendees
Dr. Manisha Maity (Chairman, BoS)
Prof. Pubali Dhar (External Expert from Academics)
Dr. Anindita Ray Chakravarti (External Expert from Academics)
Prof. Bidyut Bandhopadhyay (External Expert from Academics)
Dr. Souvik Tewari (Member)
Dr. Rupali Dhara Mitra (Member)
Dr. Moumita Dev (Member)
Dr. Jagannath Ghosh (Member)

Agenda
❖ Employability/Entrepreneurship/skill development centric curriculum Updation. ❖ Revision of Syllabus: Modification of name of courses & course codes in the existing B.Sc Curriculum. ❖ Revision of Course Content of the B.Sc. course curriculum.

Dr. Manisha Maity, HOD, Dept. of Food and Nutrition (F&N), discussed the following agenda in presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting

Agenda 1: Employability/Entrepreneurship/skill development centric curriculum Updation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills/software skill in Food and Nutrition students.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 2: Revision of Syllabus: Modification of name of courses & course codes in the existing B.Sc course Curriculum.
Proposition: A new Courses and Course Coding Scheme of Major and SEC subjects are being introduced for B.Sc courses in Clinical Nutrition and Dietetics to be followed from AY2023-24. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

Agenda 3: Revision of course curriculum: Modification of syllabus
Propositions: Several portions were added on the advice of the external members and also excluded unwanted parts

Prepared By

Manisha Maity

Dr. Manisha Maity

Assistant Professor& HOD, Department of Food and Nutrition, Swami Vivekananda University

Attendance:

Member	***Signature***
Prof. Pubali Dhar	P. Dhar
Dr. Anindita Ray Chakravarti	Anindita Ray (Chakravarti)
Prof. Bidyut Bandhopadhyay	
Mrs. Paromita Mukherjee	Paromita Mukherjee

Dr. Souvik Tewari

Dr. Rupali Dhara Mitra

Ms. Shreyasi Das

Dr. Jagannath Ghosh

Dr. Moumita Dev

Date: 21/01/2024

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline (MSB-305)**	Date: **11/07/2023**
Convener: **Mr. Soumya Ghosh**	Start time: **10:00 a.m**	End time: **1:00 p.m**
Minutes taken by Dr. Samrat Biswas		

Attendees	
Dr. Ranjan Kumar (Chairman, BOS)	Ranjan
Prof. (Dr.) Biswajit Halder (External Expert from Academics)	
Prof. (Dr.) Saikat Chaterjee (External Expert from Academics)	
Mr. Anindya Sundar Sinha (External Expert from Industry)	
Mr. Soumya Ghosh (Member, Convener of BOS)	Soumya Ghosh
Mr. Arijit Mukherjee (Member)	Arijit Mukherjee
Dr. Md. Ershad (Member)	
Mr. Sayan Paul (Member)	
Dr. Samrat Biswas (Member)	Samrat Biswas
Dr. Ravi Nigam (Member)	
Mr. Suman Kumar Ghosh (Member)	
Mr. Abhishek Poddar (Member)	Abhishek Poddar
Mr. Soumak Bose (Member)	

Agenda
❖ Confirmation of the Minutes of last Board of Studies meeting. ❖ Approval of consultancy work using departmental Centre for Advanced manufacturing laboratory. ❖ Discussion on training needs analysis of faculty and students ❖ Discussion on the required modifications on Vision, Mission of the departments & Program Educational Objectives (PEO)

Dr. Ranjan Kumar, Head, Dept. of Mechanical Engineering (ME), discussed the following agenda in presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting

Agenda 1: Confirmation of the Minutes of last Board of Studies meeting.
Resolution: The minutes of the last meeting held on 12/05/2022 was duly confirmed and approved.

Agenda 2: Approval of consultancy work using departmental Centre for Advanced manufacturing laboratory.
Proposition: Clearly define the scope of the consultancy project, including the specific services to be provided, the objectives of the project, and the expected outcomes. Ensure that the proposed work aligns with the capabilities and resources of the Advanced Manufacturing Laboratory.
Resolution: The board unanimously approves the engagement of consultancy services utilizing the Departmental Centre for Advanced Manufacturing Laboratory. This decision aligns with our strategic goals and will enhance our capabilities in research and development. We authorize the necessary resources and support for the successful execution of this initiative.

Agenda 3: Discussion on training needs analysis of faculty and students
Proposition: Non-credit skill enhancement courses like CNC training Courses will be introduced for B.Tech final and pre-final year students. Hands-on training on 3D Printing was also proposed. This was mooted based on feedback from the recruiters.
By addressing the training needs, faculty can develop the knowledge, skills, and confidence needed to create and deliver high-quality online courses through the MOOCs courses (like NPTEL/SWAYAM), thereby enhancing the overall learning experience for students and contributing to the success of the program.
Resolution: Action has been taken accordingly; students should be encouraged to enroll in CNC training Courses for enhancing their skill in placement perspective & faculty should be encouraged to enroll in MOOCs courses (like NPTEL/SWAYAM) for enhancing their teaching capability.
Agenda 4: Discussion on the required modifications on Vision, Mission of the departments & Program Educational Objectives (PEO)
Resolution: Head of the department notified the BOS about the proposed modifications in Vision, Mission of the departments & Program Educational Objectives (PEO) (Annexure-I) by the Departmental Committee (DC). All the BOS members express their satisfaction and approve the same to forward it to the VC office for further approval.

Need not required any changes for existing course curricular which has already been started from AY2021-22

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Prepared By

Mr. Soumya Ghosh

Assistant Professor, Department of Mechanical Engineering, Swami Vivekananda University

Date: 11/07/2023

Annexure-I

Vision of the Department: To emerge as an excellent center of higher learning in Mechanical Engineering to develop professionals who are technically competent, ethical and capable of addressing the changing societal needs with credibility.

Mission of the Department:

1. To accomplish stimulating learning environment for students through quality teaching, research, and outreach activity by providing state of the art facilities, industry exposure, nurturing field for innovative ideas and guidance of dedicated faculty.
2. To develop real-time problem-solving skill for the challenges in core Mechanical engineering domain through value-based education.
3. To provide facilities for curricular & co-curricular activities necessary for development of overall personality of students.
4. To serve society through innovation and excellence in teaching and research.

Program Educational Objectives:

PEO1: Graduates will serve as mechanical engineer in various fields towards designing of systems, operation, and production.

PEO2: Graduates will strengthen professional practice by solving different industrial problems employing proper techniques & tools with social responsibility to reach global standards.

PEO3: Graduates will pursue higher study, research and lifelong learning.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Online** **Links:** https://meet.google.com/nes-egns-edd	Date: **30/10/2024**
Convener: **Dr. Ranjan Kumar**	Start time: **2:30 p.m**	End time: **3:30 p.m**
Minutes taken by Mr. Arijit Mukherjee		

Attendees	
Dr. Ranjan Kumar (Chairman, BOS)	
Prof. (Dr.) Biswajit Halder (External Expert from Academics)	
Dr. Shamim Haider (External Expert from Academics)	
Mr. Priyabrata Malla (Expert from Industry)	
Mr. Soumya Ghosh (Member)	
Mr. Arijit Mukherjee (Member)	
Dr. Md. Ershad (Member)	
Dr. Bikash Panja (Member)	
Dr. Arnab Das (Member)	
Mr. Sayan Paul (Member)	
Dr. Samrat Biswas (Member)	
Mr. Soumak Bose (Member)	

Agenda

- Lab Exam: 5th Nov to 8th Nov 2024.
- Thesis/Dissertation Exam for M.Tech III semester candidates.
- Question Paper moderation
- Bosch Rexroth- Centre of excellence has been added to the department
- Theory exam schedule and preparation, syllabus completion.

Dr. Ranjan Kumar, Head, Dept. of Mechanical Engineering (ME), discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1. Lab Exam: 5th Nov to 8th Nov 2024.

Resolution: The Board of Studies (BOS) resolves to schedule the laboratory examinations from 5th November to 8th November, 2024. This timeframe allows adequate opportunity for students to demonstrate their practical skills and knowledge in the respective subjects.

Agenda 2. Thesis/Dissertation Exam: 5th Nov to 8th Nov 2024.

Resolution: The BOS resolves to set the dates for thesis/dissertation examinations from 5th Nov to 8th Nov 2024. This period ensures ample time for students to finalize and defend their research work, facilitating a comprehensive assessment of their academic endeavours.

Agenda 3. Question Paper moderation

Resolution: The BOS approves to complete the moderation of question papers by 5th Nov, 2024. This ensures that all examination materials undergo thorough review and validation, maintaining the quality and integrity of the assessment process.

Agenda 4. Theory exam: 19th Nov to 21st Dec 2024.

Resolution: The BOS consented to conduct the theory examinations from 19th Nov to 22nd Dec 2024.

Agenda 5. Update with regard to Bosch Rexroth- Centre of Excellence

Resolution: "The Bosch Rexroth Centre of Excellence has been established in the department to foster industry-academia collaboration, promote advanced learning, and enhance research capabilities in the field of automation and hydraulics. This center will serve as a resource for students and faculty to gain practical skills, engages in industry-relevant projects, and contributes to innovation in mechanical and automation engineering."

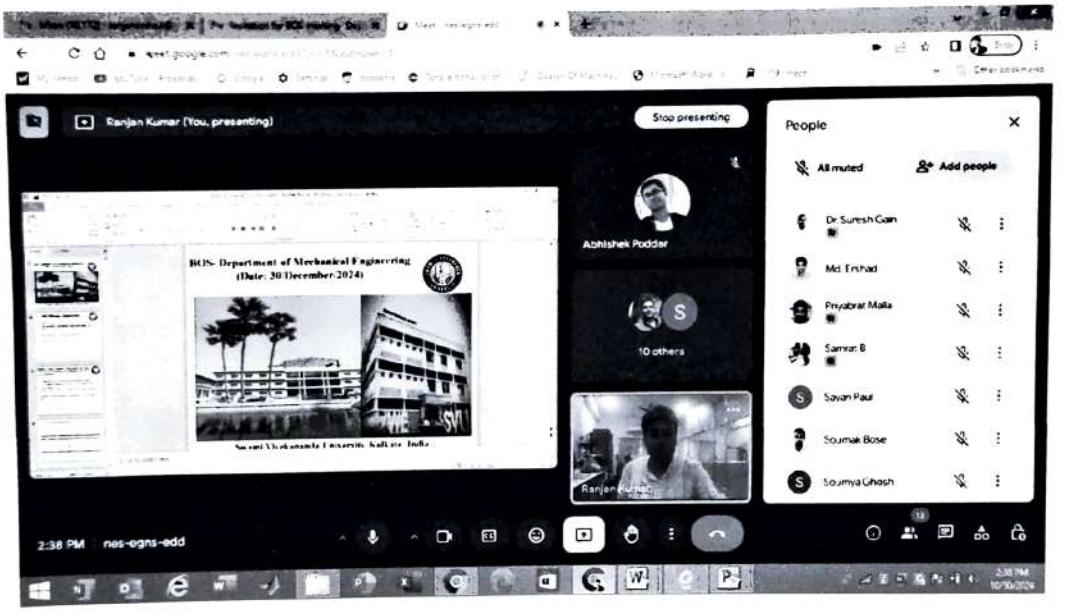
These resolutions collectively signify the commitment of the Board of Studies to uphold academic standards,promote innovation in education, and cater to the evolving needs of students and industries.

Department of Mechanical Engineering
Swami Vivekananda University, Barrackpore
Date: 30/10/2024

Program	Subject Name	Subject Code	Teacher Name	Name of Scrutineer	Internal Moderator	External Moderator
Diploma 3rd Semester	Basic Mechanical Engineering	DMEC301	Mr.Soumak Bose	Dr. Bikash Panja	Dr. Samrat Biswas	Dr Sujit Kumar
	Material Science & Engineering	DMEC302	Dr. Md. Ershad	Dr. Bikash Panja	Mr. Arijit Mukherjee	Dr. Atul
	Fluid Mechanics & Hydraulic Machinery	DMEC303	Mr. Soumya Ghosh	Dr. Bikash Panja	Mr. Soumak Bose	Dr. Shahanwaz Khan
	Manufacturing Engineering	DMEC304	Mr. Soumak Bose	Dr. Bikash Panja	Dr. Arnab Das	Dr Pranibesh Mandal
	Thermal Engineering - I	DMEC305	Dr. Samrat Biswas	Dr. Bikash Panja	Mr. Soumya Ghosh	Dr. Zubair
	Manufacturing Engineering Lab-I	DMEC391	Mr. Anupam Mallick	NA	NA	NA
	Fluid Mechanics & Hydraulic Machinery Lab	DMEC392	Mr. Soumya Ghosh	NA	NA	NA
	Thermal Engineering Lab-I	DMEC393	Dr. Samrat Biswas	NA	NA	NA
	Computer Aided Machine Drawing Practice	DMEC394	Dr. Bikash Panja	NA	NA	NA
	Internship Seminar I	DMES381	Mr. Arijit Mukherjee	NA	NA	NA
Diploma 5th Semester	Advanced Manufacturing Processes	DMEC501	Mr. Soumak Bose	Dr. Arnab Das	Dr. Bikash Panja	Dr.Shamim Haider
	Theory of Machines & Mechanisms	DMEC502	Mr. Soumya Ghosh	Dr. Arnab Das	Dr. Ranjan Kumar	Dr. Atul
	Industrial Engineering& Management	DMEC503	Dr. Arnab Das	Dr. Bikash Panja	Mr.Soumak Bose	Dr. Shamim Haider
	Elective III Power Plant Engineering	DMEE502	Mr. Soumya Ghosh	Dr. Arnab Das	Mr. Sayan Paul	Dr. Shahanwaz Khan
	Elective IV Computer Aided Design and Manufacturing	DMEE503	Mr. Sayan Paul	Dr. Arnab Das	Mr. Arijit Mukherjee	Dr Sujit Kumar
	Generic Elective- I Refrigeration & Air-conditioning	DMEGE501	Dr. Samrat Biswas	Dr. Arnab Das	Mr. Sayan Paul	Dr. Zubair
	CAD/CAM Lab	DMEC591	Dr. Arnab Das	NA	NA	NA
	Manufacturing Engineering Lab-II	DMEC592	Mr. Soumak Bose, Mr. Anupam Mallick	NA	NA	NA
	Internship Seminar II	DMES581	Dr. MD Ershad	NA	NA	NA
	Major Project	DMES582	Dr. Samrat Biswas	NA	NA	NA
B.Tech 3rd semester	Engineering Mechanics	BMEC301	Dr. Arnab Das	Mr. Soumak Bose	Dr. Ranjan Kumar	Dr Sujit Kumar
	Thermodynamics	BMEC302	Dr. Samrat Biswas	Mr. Soumya Ghosh	Dr. Md. Ershad	Dr Pranibesh Mandal
	Manufacturing Processes	BMEC303	Mr. Arijit Mukherjee	Dr. Md. Ershad	Mr. Soumya Ghosh	Dr. Atul
	Practice of Manufacturing Processes	BMEC391	Mr. Arijit Mukherjee, Mr. Anupam Mallick	NA	NA	NA
B.Tech 5th semester	Heat Transfer	BMEC501	Dr. Samrat Biswas	Mr. Soumya Ghosh	Mr. Arijit Mukherjee	Dr. Shahanwaz Khan
	Solid Mechanics	BMEC502	Mr. Soumak Bose	Dr. Samrat Biswas	Dr. Bikash Panja	Dr Pranibesh Mandal
	Kinematics & Theory of Machines	BMEC503	Mr. Sayantan Sinha Biswas	Dr. Samrat Biswas	Mr. Sayan Paul	Dr. Atul
	Essence of Indian Knowledge Tradition	MC501	Dr. Bikash Panja	Dr. Samrat Biswas	Mr. Arijit Mukherjee	Dr. Shamim Haider
	Thermal Engineering Laboratory	BMEC591	Dr. Samrat Biswas, Mr. Anupam Mallick	NA	NA	NA

	Machine Drawing-II	BMEC592	Mr. Anupam Mallick, Mr. Soumak Bose	NA	NA	NA
	Material Testing Lab	BMEC593	Dr. Md. Ershad	NA	NA	NA
B.Tech 7th semester	Advanced Manufacturing Technology	BMEC701	Dr. Bikash Panja	Mr. Arijit Mukherjee	Dr. Arnab Das	Dr Sujit Kumar
	Elective III Selection and Testing of Materials	BMED705	Dr. Md. Ershad	Mr. Arijit Mukherjee	Mr. Sayan Paul	Dr.Shamim Haider
	Elective-IV Advanced Welding Technology	BMED708	Mr. Arijit Mukherjee	Dr. Samrat Biswas	Dr. Md. Ershad	Dr Pranibesh Mandal
	Generic Elective- I Industrial Engineering	BMEG701	Dr. Ranjan Kumar	Dr. Arnab Das	Mr. Sayan Paul	Dr. Zubair
	Manufacturing Processes - II Laboratory	BMEC791	Mr. Soumak Bose, Mr. Anupam Mallick	NA	NA	NA
	Fluid Mechanics & Machinery Lab	BMEC792	Dr. Samrat Biswas	NA	NA	NA
	Project I	BMES781	Dr. Samrat Biswas	NA	NA	NA
	Internship Seminar	BMES782	Mr. Arijit Mukherjee	NA	NA	NA
M. Tech 1st semester	Advance Manufacturing Technology	MMEC101	Dr. Bikash Panja	Dr. Arnab Das	Dr. Arnab Das	Dr. Zubair
	Industrial Robotics	MMEC102	Dr. Arnab Das	Dr. Md. Ershad	Dr. Ranjan Kumar	Dr.Shamim Haider
	Research Methodology and IPR	MMEA 101	Dr. Md. Ershad	Dr. Arnab Das	Dr. Bikash Panja	Dr. Atul
	Elective I Computer Integrated Manufacturing	MMED102	Dr. Arnab Das, Dr. Ranjan Kumar	Dr. Arnab Das	Dr. Samrat Biswas	Dr.Shahanwaz Khan
	Elective II Additive Manufacturing	MMED105	Dr. Md. Ershad	Dr. Arnab Das	Dr. Arnab Das	Dr Pranibesh Mandal
	Advance Manufacturing Technology Lab	MMEC191	Dr. Bikash Panja	NA	NA	NA
	Basic Robotics Lab	MMEC192	Dr. MD Ershad	NA	NA	NA
	Research Seminar I	MMES181	Dr. MD Ershad, Dr. Ranjan Kumar	NA	NA	NA
M. Tech 3rd semester	Thesis Part I	MMES381	Dr. Ranjan Kumar, Dr. Md Ershad	NA	NA	NA
	Research Seminar III	MMES382	Dr. Ranjan Kumar, Dr. Md Ershad	NA	NA	NA
Computer Science and Engineering/ Data Science B.Tech 5th Sem	Introduction to Industrial Management	BTCSS501/HU501	Dr. Arnab Das	Dr. Bikash Panja	Dr. Md. Ershad	Dr. Atul
Agriculture B.Tech 3rd Sem	Machine Design	FMP 207	Dr. Bikash Panja	Dr. Md. Ershad	Dr. Arnab Das	Dr Sujit Kumar
Electrical B.Tech 3rd Sem	Engineering Mechanics	BEEC304	Mr. Soumya Ghosh	Dr. Bikash Panja	Dr. Arnab Das	Dr Sujit Kumar

Ranjan Kumar (You, presenting)
Stop presenting
BOS- Department of Mechanical Engineering
(Date: 30/December/2024)
Soumik Bose has left the meeting
2:34 PM | nes-ogns-odd


Ranjan Kumar (You, presenting)
Stop presenting
BOS- Department of Mechanical Engineering
(Date: 30/December/2024)
Abhishek Poddar
10 others
Ranjan Kumar
People
All muted
Add people
Dr Suresh Gain
Md Ershad
Priyabrat Malla
Samrat B
Sayan Paul
Soumik Bose
Soumya Ghosh
2:38 PM | nes-ogns-odd

Ranjan Kumar (You, presenting)
Stop presenting
BOS- Department of Mechanical Engineering
(Date: 30/December/2024)
Abhishek Poddar
11 others
Ranjan Kumar
People
All muted
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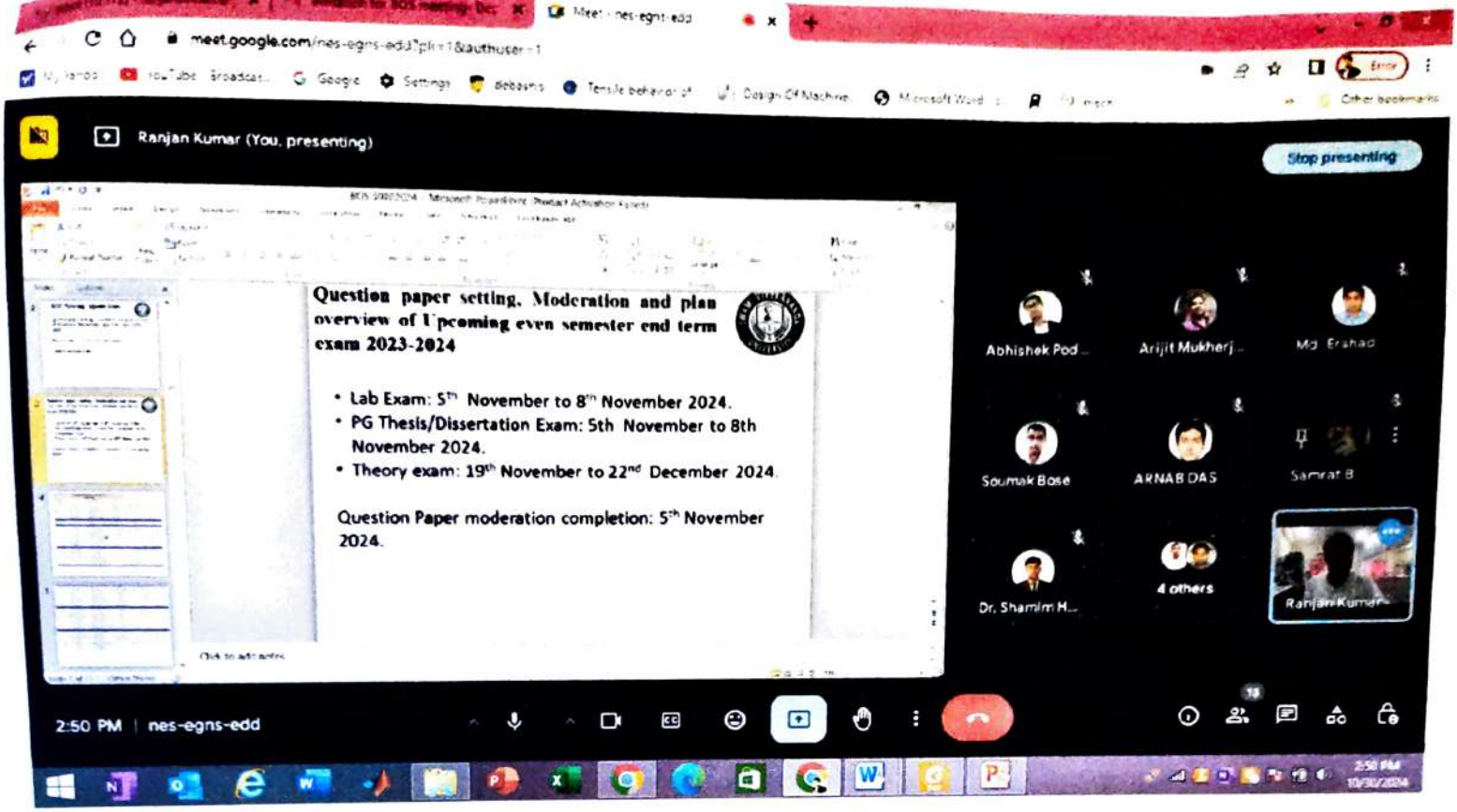
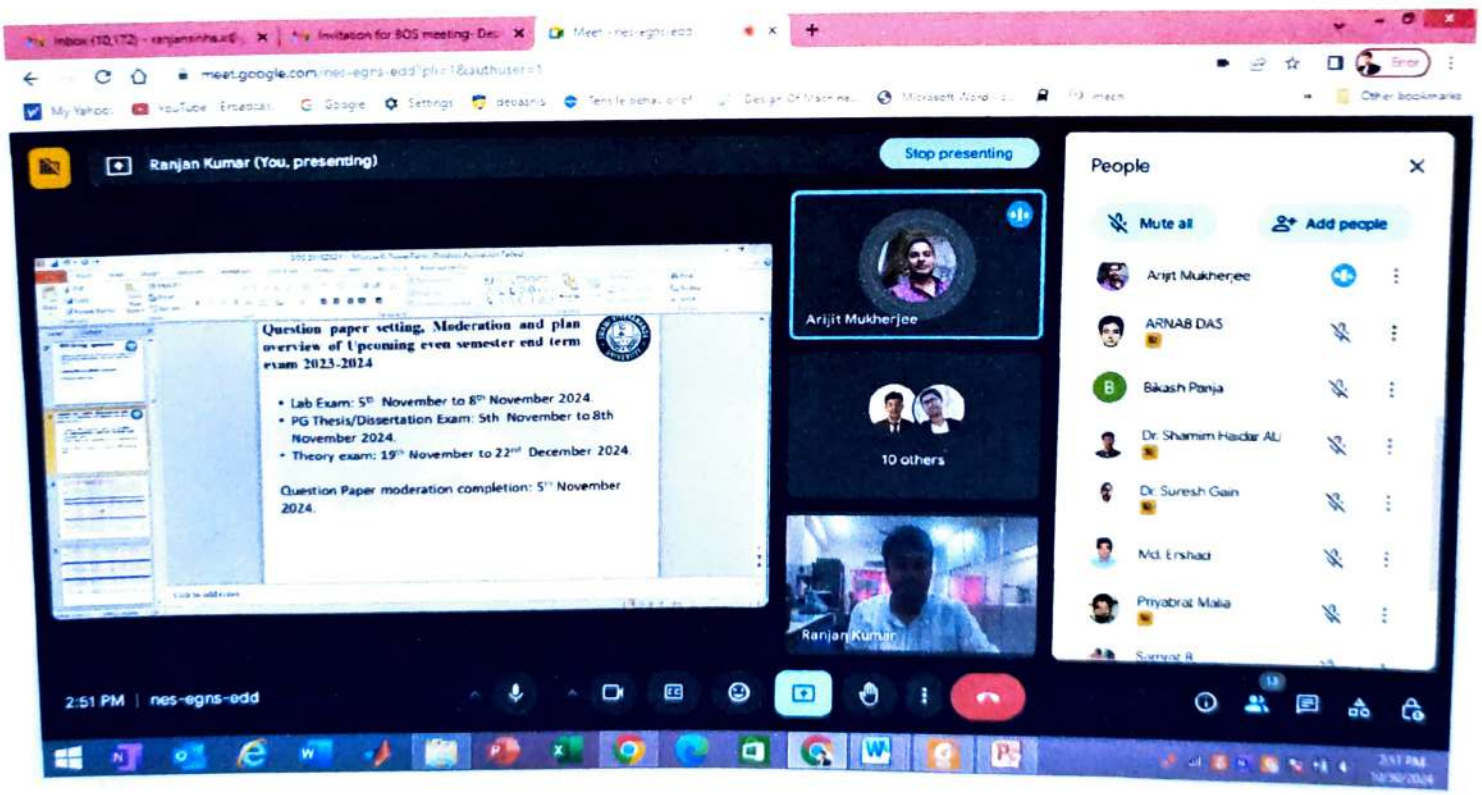
ARNAB DAS
Bikash Panja
Dr Shamim Haidar Ali
Dr Suresh Gain
Md Ershad
Priyabrat Malla
2:40 PM | nes-ogns-odd


Ranjan Kumar (You, presenting)
Stop presenting
Question paper setting, Moderation and plan overview of Upcoming even semester end term exam 2023-2024
• Lab Exam: 5th November to 8th November 2024.
• PG Thesis/Dissertation Exam: 5th November to 8th November 2024.
• Theory exam: 19th November to 22nd December 2024.
Question Paper moderation completion: 5th November 2024.
Abhishek Pod...
Arijit Mukherj...
Md Ershad
Soumak Bose
ARNAB DAS
Samrat B
Dr. Shamim H...
4 others
Ranjan Kumar
2:50 PM | nes-egns-edd


Ranjan Kumar (You, presenting)
Stop presenting
Question paper setting, Moderation and plan overview of Upcoming even semester end term exam 2023-2024
• Lab Exam: 5th November to 8th November 2024.
• PG Thesis/Dissertation Exam: 5th November to 8th November 2024.
• Theory exam: 19th November to 22nd December 2024.
Question Paper moderation completion: 5th November 2024.
Arijit Mukherjee
10 others
Ranjan Kumar
People
Mute all
Add people
Arijit Mukherjee
ARNAB DAS
Bikash Panja
Dr. Shamim Haidar ALI
Dr. Suresh Gain
Md. Ershad
Priyabrat Malia
2:51 PM | nes-egns-edd

Minutes of the Board of Studies Meeting of the Department of Psychology on April 28, 2023, via online mode regarding the **Term End Examination**, 2023

Meeting Link: https://meet.google.com/tss-ubcy-xqf

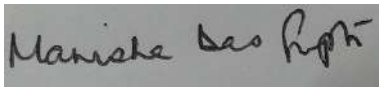
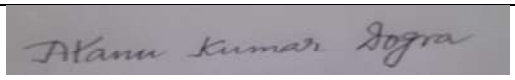
Date: 28.04.2023

Time: 4.00 PM

Agenda of the meeting:

- Finalization of the names of moderators for questions of the Term-End Examination of the even semester
- Recommendation and finalization of syllabus for Special Paper of Clinical & Forensic Psychology, Semester III & IV, M.Sc. in Applied Psychology

Members present

Sl No.	Name	Designation	Signature
1	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	
2	Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	
2	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	
3	Ms. Lina Sarkar, Assistant Professor & Co-ordinator, Department of Psychology, SVU	Convener	

4	Dr. Papia Mukherjee Pramanick, Assistant Professor and Exam Co-ordinator, Department of Psychology, SVU	Member	Papia Mukherjee (Pramanick)
5	Ms. Rudrani Mitra, Assistant Professor, Department of Psychology, SVU	Member	Rudrani Mitra
6	Ms. Madhurima Hazra, Assistant Professor, Department of Psychology, SVU	Member	Madhurima Hazra
7	Ms. Ishita Banerjee, Teaching Assistant, Department of Psychology, SVU	Member	Ishita Banerjee

Resolution of the Meeting

The meeting was presided over by the Head of the Department, who started off by outlining the agenda. The chairman recommended seven names for potential external members. Among them, five members were chosen by the external member based on their subject specialization. After a thorough discussion with all the members of the department, external member finalized subject-wise moderators and scrutineers for the smooth conduction of the question-making and evaluation process. (attached herewith)

Then, the syllabus for Special Paper of Clinical & Forensic Psychology, Semester III & IV, M.Sc. in Applied Psychology, was discussed and based on their recommendations the special paper of Clinical & Forensic Psychology was finalized.

The meeting ended with a vote of thanks to all.

List of Examiner(s), Scrutineer(s) etc. as recommended by the Board of Studies of the respective Department for the Odd Semester Examinations, 2023. (To be approved by the Hon'ble Vice Chancellor as per existing Examination Regulations)

Name of the Department	Name of the paper	Paper Code	Semester	Internal Moderator	External Moderator	Name of Examiner(s)	Name of Scrurtineer	Name of Head Examiner/ Examination Coordinator (if any)
Applied Psychology	Community and Health Psychology	MPSYC401	M.Sc. IV	Dr. Papia Mukherjee (Pramanick)	Dr. Priyankar Singha	Ms.Lina Sarkar	Ms.Ishita Banerjee	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Stress Management in Workplace	MPSYC402	M.Sc. IV	Dr. Papia Mukherjee (Pramanick)	Dr. Priyankar Singha	Dr. Papia Mukherjee (Pramanick) & Ms. Madhurima Hazra	Ms.Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Research Methodology	MPSYC201	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms.Ishita Banerjee	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Psychometrics & Statistics	MPSYC202	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Dr. Nilanjana Mitra	Ms.Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Problems of Development & Pathologies across Lifespan	MPSYC203	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Dr. Nilanjana Mitra & Ms. Rudrani Mitra	Ms. Madhurima Hazra	Dr. Papia Mukherjee (Pramanick)
Psychology	Understanding & Dealing with Psychological Disorder	BPSY601	B.Sc. VI	Ms. Lina Sarkar	Dr. Jhilli Das (Tewary)	Ms. Rudrani Mitra	Ms. Madhurima Hazra	Dr. Papia Mukherjee (Pramanick)
Psychology	Counselling Psychology	BPSY602	B.Sc. VI	Ms. Lina Sarkar	Dr. Jhilli Das (Tewary)	Dr. Prarthita Biswas	Ms.Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Community Psychology	BPSY603	B.Sc. VI	Ms. Lina Sarkar	Dr. Jhilli Das (Tewary)	Dr. Papia Mukherjee (Pramanick) & Ms. Madhurima Hazra	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Human Resource Management	BPSY604	B.Sc. VI	Ms. Lina Sarkar	Dr. Jhilli Das (Tewary)	Ms.Ishita Banerjee	Ms. Madhurima Hazra	Dr. Papia Mukherjee (Pramanick)
Psychology	Developmental Psychology	BPSYC401	B.Sc. IV	Ms.Ishita Banerjee	Dr. Soma Pramanik	Dr. Nilanjana Mitra	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Educational Psychology	BPSYC402	B.Sc. IV	Ms.Ishita Banerjee	Dr. Soma Pramanik	Dr. Liton Mallick	Ms.Ishita Banerjee	Dr. Papia Mukherjee (Pramanick)
Psychology	Personality Fundamentals	BPSYC403	B.Sc. IV	Ms.Ishita Banerjee	Dr. Soma Pramanik	Ms. Lina Sarkar	Ms. Madhurima Hazra	Dr. Papia Mukherjee (Pramanick)
Psychology	Quantification in psychology	BPSYC201	B.Sc. II	Ms. Madhurima Hazra	Dr. Moumita Mukherjee	Ms.Ishita Banerjee	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Biological Foundation of Behaviour	BPSYC202	B.Sc. II	Ms. Madhurima Hazra	Dr. Moumita Mukherjee	Ms. Madhurima Hazra & Ms. Rudrani Mitra	Ms.Ishita Banerjee	Dr. Papia Mukherjee (Pramanick)
Journalism & Mass Communication	Statistical Methods & Psychological Research	BPSYG401	B.A. II	Ms. Madhurima Hazra	Dr. Moumita Mukherjee	Ms. Lina Sarkar & Ms. Ishita Banerjee	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)

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Minutes of the 4th meeting of Board of Studies (Department of Psychology) held on 28.07.2023 at 6:00 P.M. in Online Mode.

Meeting Link: https://meet.google.com/kmr-vnay-cqy
Date: 28.07.2023
Time: 6:00 PM

In attendance -

1. Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University (External Member)
2. Dr. Ishita Chatterjee, Associate Professor, Department of Applied Psychology, Calcutta University. (External Member)
3. Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University. (External Member)
4. Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU (Chairman)
5. Ms. Lina Sarkar, Assistant Professor & Co-ordinator, Department of Psychology, SVU (Convener)
6. Dr. Papia Mukherjee (Pramanick), Assistant Professor, Department of Psychology, SVU (Internal Member)
7. Ms. Inshirah Ahmed, Assistant Professor, Department of Psychology, SVU (Internal Member)

Agenda of the meeting :

Alterations made in the new syllabus of B.Sc. in Psychology Major & Minor as per the National Education Policy (NEP 2020) guidelines.

Resolutions of the meeting :

- Overview of the syllabus was shown to the external members.
- Detailed syllabus of Major Papers for Semester I & II were shown respectively.
- Other departments' Minor Papers were decided.
- Major Papers were approved with omissions made in the practicum portion. One practical was removed from B.Sc Semester I.
- A paper on "Personality Fundamentals" in B.Sc. Semester V was changed to "Fundamentals of Personality"

- External members suggested changing the syllabus of the Skill Enhancement Course for Semester I & II both.
- Semester I - Skill Enhancement Course : Members suggested that introduction of case study and assessments will not be beneficial for the 1st semester as it requires hardcore understanding of disorders as well as some students may engage in malpractices by taking it as a diploma degree.
- Semester II - Skill Enhancement Course : same suggestions were given for this semester as well. Thus, the entire syllabus was changed.
- *New syllabus of Semester I* (Skill Enhancement Course) added is **Communication in Everyday Life : Psychological Perspectives.**

Members present in the meeting

Sl No.	Name	Designation	Signature
1.	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	Manisha Das Gupta 28.7.2023 Head of the Department of Psychology University of Calcutta 92, Acharya Prafulla Chandra Road Kolkata-700009
2.	Dr. Ishita Chatterjee, Associate Professor, Department of Applied Psychology, Calcutta University.	External Member.	Ishita Chatterjee 28.7.2023 **Dr. Ishita Chatterjee** **Associate Professor** **Dept. of Applied Psychology** **University of Calcutta**
3.	Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	28.7.23 Assistant Professor Department of Psychology University of Calcutta 92, A.P.C. Road, Kol-700 009
4.	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	Nilanjana Mitra 28/7/23

5.	Ms. Lina Sarkar, Assistant Professor & Co-ordinator, Department of Psychology, SVU	Convener	Lina Sarkar. 28/7/23.
6.	Dr. Papia Mukherjee (Pramanick), Assistant Professor, Department of Psychology, SVU	Internal Member	Papia Mukherjee 28.07.23
7.	Ms. Inshirah Ahmed, Assistant Professor, Department of Psychology, SVU	Internal Member	Inshirahmed- 28.07.23.

SWAMI VIVEKANANDA UNIVERSITY

Board of Studies Committee
Department of Psychology
School of Allied Health Sciences
Meeting dated 23rd December, 2023

Agenda of BOS Meeting:

1. **Finalization of Four years UG semester II syllabus as per National Education Policy (NEP), 2020 guidelines.**

2. **Proposal of name change of the masters course program from M.Sc. in Applied Psychology to M.A./M.Sc. in Applied Psychology.**

Sl No.	Name	Designation	Signature
1	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	Manisha Das Gupta Head of the Department of Psychology University of Calcutta 92, Acharya Profulla Chandra Road Kolkata – 700 009 23.12.2023
2	Dr. Ishita Chatterjee, Associate Professor, Department of Applied Psychology, Calcutta University	External Member	Ishita Chatterjee ASSOCIATE PROFESSOR Dept. of Applied Psychology University of Calcutta
3	Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	Atanu Kumar Dogra Assistant Professor Department of Psychology University of Calcutta 92, A.P.C. Road, Kol-700 009
4	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	Nilanjana Mitra 23/12/23

Sl. No.	Name	Designation	Signature
5	Ms. Lina Sarkar, Assistant Professor and Co-ordinator, Department of Psychology, SVU	Convener	Lina Sarkar.
6	Dr. Papia Mukherjee Pramanick, Assistant Professor and Exam Coordinator, Department of Psychology, SVU	Member	Papia Mukherjee
7	Ms. Rudrani Mitra, Assistant Professor, Department of Psychology, SVU	Member	Rudrani Mitra.

Minutes of the Board of Studies meeting of the Department of Psychology on 23.12.2023 via online mode regarding the following agenda:

Agenda of BOS Meeting:

1. Finalization of Four years UG semester II syllabus as per National Education Policy (NEP), 2020 guidelines.

2. Proposal of name change of the masters course program from M.Sc. in Applied Psychology to M.A./M.Sc. in Applied Psychology.

Meeting Link: meet.google.com/pac-hrqf-dox
Date: 23.12.2023
Time: 2.00 PM

Agenda 1:

Finalization of Four years UG semester II syllabus as per National Education Policy (NEP). 2020 guidelines.

Convenor of the meeting put the detailed draft syllabus of the semester II Undergraduate course B.Sc. in Psychology as per National Education Policy (NEP), 2020 guidelines.

External experts have advised some necessary changes and after a detailed discussion, the syllabus has been unanimously accepted and approved by the committee. The committee has praise for preparing the robust syllabus as per the need of the modern times.

Agenda 2:

Proposal of name change of the postgraduate course program from M.Sc. in Applied Psychology to M.A./M.Sc. in Applied Psychology.

Keeping in mind that the eligibility criteria for the postgraduate course program is graduation in any discipline; it is advised that the course name to be changed from just M.Sc. in Applied Psychology to M.A./M.Sc. in Applied Psychology from the upcoming new session. This change in course name has been unanimously accepted and approved by the committee.

After the fruitful discussion, the meeting ended with a vote of thanks to all.

SWAMI VIVEKANANDA UNIVERSITY

Board of Studies Committee
Department of Psychology
School of Allied Health Sciences
Meeting dated 5th January, 2024

Agenda of BOS Meeting:

1. Finalization of Ph.D. coursework syllabus

Sl No.	Name	Designation	Signature
1	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	Manisha Das Gupta 5.1.2024 Head of the Department of Psychology University of Calcutta 92, Acharya Profulla Chandra Road Kolkata – 700 009
2	Dr. Ishita Chatterjee, Associate Professor, Department of Applied Psychology, Calcutta University	External Member	Ishita Chatterjee ASSOCIATE PROFESSOR Dept. of Applied Psychology University of Calcutta
3	Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	Atanu Kumar Dogra
4	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	Nilanjana Mitra 5/1/24
6	Dr. Papia Mukherjee Pramanick, Assistant Professor and Exam Coordinator, Department of Psychology, SVU	Convenor	Papia Mukherjee 5/01/24

SWAMI VIVEKANANDA UNIVERSITY

Minutes of the Board of Studies meeting of the Department of Psychology on 05.01.2024 via online mode regarding the following agenda:

Agenda of BOS Meeting:

- Finalization of Ph.D. coursework syllabus

Meeting Link: meet.google.com/pac-hrqf-dox
Date: 05.01.2024
Time: 3.00 PM

Minutes of meeting:

Finalization of Ph.D. coursework syllabus

Chairman of the meeting put the detailed draft syllabus of Ph.D. coursework.

External experts have advised some important necessary changes and after a detailed discussion, the syllabus has been unanimously accepted and approved by the committee. The committee has praise for preparing the robust syllabus as per the need of the modern times.

After the fruitful discussion, the meeting ended with a vote of thanks to all.

Campus : Jelinghata Barasat - Barrackpore Rd, Baro Kanthalia, West Bengal - 700121
Corporate Office : Sonarpur Station Rd, Karbala More, Kumarkhali, Narendrapur, Kolkata, West Bengal 700103
Regd. Office : 11/3, Biresh Guha Street, 7th Floor, Kolkata - 700017
E-mail : info@swamivivekanandauniversity.ac.in , Contact : 033 2428 3035

Minutes of the Board of Studies Meeting of the Department of Psychology on April 23rd, 2024, via online mode regarding the Term End Examination, 2024

Meeting Link: meet.google.com/fac-hrqf-dox
Date: 23.04.2024
Time: 12.00 PM

Agenda of the meeting:

• Finalization of the names of external moderators for Term-End Examination of the even semester 2024.

Minutes of the Meeting:

The meeting was presided over by the Head of the Department, who started off by outlining the agenda. The chairman recommended seven names for potential external moderators, which are as follows:

Dr. Anindita Chaudhuri
Associate Professor, Dept. of Psychology, Calcutta University

Dr. Priyankar Singha
Assistant Professor, Dept. of Applied Psychology, Calcutta University

Dr. Soma Pramanik
Assistant Professor, Dept. of Psychology, St. Xavier's University, Kolkata

Dr. Moumita Mukherjee
Assistant Professor, Dept. of Psychology, St. Xavier's University, Kolkata

Dr. Arkita Pal
Assistant Professor, Unitedworld School of Liberal Arts (Psychology), Karnavati University

Ms. Aparajita Chakraborty
Assistant Professor, Department of Psychology, Amity University, Kolkata

Mr. Dipanjan Bagchi
Assistant Professor, Department of Psychology, Amity University, Kolkata

Amongst them, following five members were chosen by the external members based on their subject specialization and expertise:

Dr. Anindita Chaudhuri
Associate Professor, Dept. of Psychology, Calcutta University

Dr. Priyankar Singha
Assistant Professor, Dept. of Applied Psychology, Calcutta University

Dr. Moumita Mukherjee
Assistant Professor, Dept. of Psychology, St. Xavier's University, Kolkata

Dr. Soma Pramanik
Assistant Professor, Dept. of Psychology, St. Xavier's University, Kolkata

Dr. Arkita Pal
Assistant Professor, Unitedworld School of Liberal Arts (Psychology), Karnavati University

After a thorough discussion with all the members of the department, and the external members, the subject-wise moderators (both external and internal) and scrutineers were finalized for the smooth conduction of the question paper-making and evaluation process. (attached herewith)

After the fruitful discussion, the meeting ended with a vote of thanks to all.

List of Examiner(s), Scrutineer(s) etc. as recommended by the Board of Studies of the respective Department for the Even Semester Examinations, 2024. (To be approved by the Hon'ble Vice Chancellor as per existing Examination Regulations)

Name of the Department	Name of the paper	Paper Code	Semester	Internal Moderator	External Moderator	Name of Examiner(s)	Name of Scrutineer	Name of Head Examiner/ Examination Coordinator (if any)
Applied Psychology	Research Methodology	MPSYC201	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms. Jeweeta Adhikary	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Psychometrics and Statistics	MPSYC202	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms. Jeweeta Adhikary	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Problems of Development and Pathologies Across Life Span	MPSYS201	M.Sc. II	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms. Rudrani Mitra	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Stress Management	BPSYD602	B.Sc. VI	Dr. Papia Mukherjee (Pramanick)	Dr. Priyankar Singha	Ms. Lina Sarkar	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Understanding and dealing with psychological disorders	BPSYC601	B.Sc. VI	Dr. Papia Mukherjee (Pramanick)	Dr. Priyankar Singha	Ms. Lina Sarkar	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Fundamentals of Personality	BPSYC403	B.Sc. IV	Dr. Papia Mukherjee (Pramanick)	Dr. Priyankar Singha	Ms. Lina Sarkar	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Developmental Psychology	BPSYC401	B.Sc. IV	Ms. Lina Sarkar	Dr. Moumita Mukherjee	Dr. Nilanjana Mitra	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Basic Psychological Processes	PSY2012	B.Sc. II	Ms. Lina Sarkar	Dr. Moumita Mukherjee	Ms. Jeweeta Adhikary	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Effective Decision Making	PSY2032	B.Sc. II	Ms. Lina Sarkar	Dr. Moumita Mukherjee	Ms. Rudrani Mitra	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Forensic and Correctional Psychology	MPSYC401	M.Sc. IV	Ms. Rudrani Mitra	Dr. Soma Pramanik	Dr. Papia Mukherjee (Pramanick)	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Industrial Psychology	BPSYC602	B.Sc. VI	Ms. Rudrani Mitra	Dr. Soma Pramanik	Ms. Jeweeta Adhikary	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Positive Psychology	BPSYD601	B.Sc. VI	Ms. Rudrani Mitra	Dr. Soma Pramanik	Dr. Papia Mukherjee (Pramanick)	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Applied Psychology	Psychotherapy	MPSYC402	M.Sc. IV	Ms. Jeweeta Adhikary	Dr. Arkita Pal	Dr. Nilanjana Mitra & Ms. Rudrani Mitra	Ms. Lina Sarkar	Dr. Papia Mukherjee (Pramanick)
Psychology	Educational Psychology	BPSYC402	B.Sc. IV	Ms. Jeweeta Adhikary	Dr. Arkita Pal	Dr. Liton Mallick	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)
Psychology	Skill Based Training On Career counseling	BPSYS401	B.Sc. IV	Ms. Jeweeta Adhikary	Dr. Arkita Pal	Ms. Lina Sarkar	Ms. Rudrani Mitra	Dr. Papia Mukherjee (Pramanick)

Members present

Sl No.	Name	Designation	Signature
1	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	Manisha Dasgupta
2	Dr. Ishita Chatterjee, Associate Professor, Department of Applied Psychology, Calcutta University	External Member	Ishita Chatterjee
3	Dr. Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	Atanu Kumar Dogra
4	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	Nilanjana Mitra.
5	Ms. Lina Sarkar, Assistant Professor & Co-ordinator, Department of Psychology, SVU	Convener	Lina Sarkar.
6	Dr. Papia Mukherjee Pramanick, Assistant Professor and Exam Coordinator, Department of Psychology, SVU	Member	
7	Ms. Rudrani Mitra, Assistant Professor, Department of Psychology, SVU	Member	Rudrani Mitra.
8	Ms. Joyeeta Adhikary, Assistant Professor, Department of Psychology, SVU	Member	Joyeeta Adhikary

Minutes of the Board of Studies Meeting of the Department of Psychology on January 10th, 2025, regarding the Term End Examination, 2025.

Date: 10.01.2025
Time: 11.00 AM

Agenda of the meeting:

• Finalization of the names of external moderators for Term-End Examination of the even semester 2025.

Minutes of the Meeting:

The meeting was presided over by the Head of the Department, who started off by outlining the agenda. The chairman recommended seven names for potential external moderators, which are as follows:

Dr. Anindita Chaudhuri
Professor & Head, Dept. of Psychology, Calcutta University

Dr. Sayonee Bose
Associate Professor, Dept. of Psychology, School of Health Sciences, NSHM Knowledge Campus, Kolkata

Dr. Priyankar Singha
Assistant Professor, Dept. of Applied Psychology, Calcutta University

Dr. Soma Pramanik
Assistant Professor, Dept. of Psychology, St. Xavier's University, Kolkata

Ms. Aparajita Chakraborty
Assistant Professor, Department of Psychology, Amity University, Kolkata

Amongst them, following three members were chosen by the external members based on their subject specialization and expertise:

Dr. Anindita Chaudhuri
Professor & Head, Dept. of Psychology, Calcutta University

Dr. Sayonee Bose
Associate Professor & Head, Dept. of Psychology, School of Health Sciences, NSHM Knowledge Campus, Kolkata

Dr. Priyankar Singha
Assistant Professor, Dept. of Applied Psychology, Calcutta University

After a thorough discussion with all the members of the department, and the external members, the subject-wise moderators (both external and internal) and scrutineers were finalized for the smooth conduction of the question paper-making and evaluation process. (attached herewith)

After the fruitful discussion, the meeting ended with a vote of thanks to all.

Name of the Programme	Department	Name of the Paper	Semester	Paper Code	Course Type (Theory/ Practical)	Internal Moderator	External Moderator	Name of Examiners	Name of Scrutineer	Name of Head Examiner/Examination Coordinator (if any)
M.Sc. in Applied Psychology	Psychology	Forensic and Correctional Psychology	IV	MPSYC401	Theory	Ms. Rudrani Mitra	Dr. Sayonee Bose	Dr. Papia Mukherjee	Ms. Rudrani Mitra	Dr. Nilanjana Mitra
		Psychotherapy	IV	MPSYC402	Theory	Dr. Papia Mukherjee	Dr. Priyankar Singha	Ms. Rudrani Mitra	Dr. Papia Mukherjee	Dr. Nilanjana Mitra
B.Sc. (H) in Psychology	Psychology	Understanding and dealing with psychological	VI	BPSYC601	Theory	Dr. Papia Mukherjee	Dr. Priyankar Singha	Ms. Rudrani Mitra	Ms. Lina Sarkar	Dr. Nilanjana Mitra
		Industrial Psychology	VI	BPSYC602	Theory	Dr. Papia Mukherjee	Dr. Priyankar Singha	Ms. Rudrani Mitra	Dr. Papia Mukherjee	Dr. Nilanjana Mitra
		Positive Psychology	VI	BPSYD601	Theory	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Dr. Papia Mukherjee	Ms. Lina Sarkar	Dr. Nilanjana Mitra
		Stress Management	VI	BPSYD602	Theory	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms. Lina Sarkar	Ms. Rudrani Mitra	Dr. Nilaujana Mitra
B.Sc. in Psychology	Psychology	Research Methodology	IV	PSY(Th.)4015	Theory	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Dr. Papia Mukherjee	Ms. Lina Sarkar	Dr. Nilanjana Mitra
		Psychometrics	IV	PSY(Th.)4016	Theory	Ms. Rudrani Mitra	Dr. Sayonee Bose	Dr. Nilanjana Mitra	Ms. Rudrani Mitra	Dr. Nilanjana Mitra
		Social Psychology	IV	PSY(Th.)4017	Theory	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Ms. Lina Sarkar	Dr. Papia Mukherjee	Dr. Nilanjana Mitra
M.A./M.Sc. in Applied Psychology	Psychology	Research Methodology	II	MPSYC201	Theory	Dr. Nilanjana Mitra	Dr. Anindita Chaudhuri	Dr. Papia Mukherjee	Ms. Lina Sarkar	Dr. Nilanjana Mitra
		Psychometrics And Statistics	II	MPSYC202	Theory	Ms. Rudrani Mitra	Dr. Sayonee Bose	Dr. Nilanjana Mitra	Ms. Rudrani Mitra	Dr. Nilanjana Mitra
		Problems of Development and	II	MPSYS201	Theory	Ms. Lina Sarkar	Dr. Sayonee Bose	Ms. Rudrani Mitra	Dr. Papia Mukherjee	Dr. Nilanjana Mitra
Bachelor of Hospital Management (BBAHM)	Management	Health Psychology	II	BBAHM2031	Theory	Ms. Rudrani Mitra	Dr. Sayonee Bose	Dr. Nilanjana Mitra	Ms. Rudrani Mitra	Dr. Nilanjana Mitra

Members present

Sl No.	Name	Designation	Signature
1	Dr. Manisha Dasgupta, Associate Professor and Head, Department of Psychology, Calcutta University	External Member	Manisha Das Gupta
2	Dr.Ishita Chatterjee, Associate Professor and Head, Department of Applied Psychology, Calcutta University	External Member	Ishita Chatterjee
3	Dr.Atanu Kumar Dogra, Assistant Professor, Department of Psychology, Calcutta University	External Member	
4	Dr. Nilanjana Mitra, Assistant Professor and Head, Department of Psychology, SVU	Chairman	Nilanjana Mitra
5	Ms. Lina Sarkar, Assistant Professor & Co-ordinator, Department of Psychology, SVU	Convener	Lina Sarkar.
6	Dr.Papia Mukherjee Pramanick, Assistant Professor, Department of Psychology, SVU	Member	Papia Mukherjee
7	Ms. Rudrani Mitra, Assistant Professor, Department of Psychology, SVU	Member	Rudrani Mitra

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF PHYSICS

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline**	Date: **26/05/2023**
Convenor: **Dr. Subhabrata Mondal**	Start time: **10:00 a.m**	End time: **2:00 p.m**
Venue: **ANNEX 203**		

Attendees	
Dr. Subhabrata Mondal (Chairperson, BOS)	Assistant Professor & Head, Department of Mathematics and Physics, SVU
Prof. (Dr.) Debnarayan Jana (External Expert from Academics)	Professor, Department of Physics,University of Calcutta, Kolkata 700009
Dr. Upendranath Nandi (External Expert from Academics)	Associate Professor, Department of Physics, Scottish Church College, Kolkata 700006
Mr. Subhendu Maji (Member)	Assistant Professor & Coordinator, Department of Mathematics, SVU
Ms. Priya Sharma (Member)	Assistant Professor, Department of Physics, SVU

Agenda

- Implementation of **Choice Based Credit System** in M. Sc (Physics).
- Introduction of New Coding Scheme implemented in the M. Sc Physics Program.
- Implementation of **National Education Policy 2020** in UG (Physics).
- Revision of Physics syllabus: Modification of the name of courses and course codes in the existing B. Tech courses curriculum.
- Review of course content of the existing Physics syllabus of the B. Tech course curriculum.
- Review of the name of courses and course codes in the existing Physics syllabus of the Diploma course curriculum.
- Review of Physics course content of the Diploma course curriculum.

Dr. Subhabrata Mondal, Convenor of the meeting discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Implementation of Choice Based Credit System in M.Sc (Physics).

Proposition: The implementation of Choice Based Credit System (CBCS) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students' flexibility, choice, and interdisciplinary learning opportunities, CBCS empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 2: Introduction of New Coding Scheme implemented in the M.Sc Physics Program.

Proposition: A new Course Coding Scheme is being introduced in the University for the programs to be followed from AY2023-24. The new Codes are embedded in the Course Structure.

Resolution: The Course Structure with new course codes was approved.

Agenda 3: Implementation of National Education Policy 2020 in UG (Physics).

Proposition: The implementation of National Education Policy (NEP 2020) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students flexibility, choice, and interdisciplinary learning opportunities, NEP 2020 empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of NEP 2020 into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 4: Revision of Physics syllabus: Modification of the name of courses and course codes in the existing B. Tech courses curriculum.

Proposition: The existing syllabus of Physics of all the B. Tech courses have been reviewed and some of the names of courses and course codes have been modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 5: Review of course content of the existing Physics syllabus of the B. Tech course curriculum.

Proposition: The detailed Physics syllabus of the B. Tech courses have been reviewed and some portions were modified and some parts were excluded accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 6: Review of the name of courses and course codes in the existing Physics syllabus of the Diploma course curriculum.

Proposition: The existing name of courses and course codes of Physics syllabus of the Diploma course curriculum have been reviewed and modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 7: Review of Physics course content of the Diploma course curriculum.

Proposition: The detailed syllabus of Physics for the Diploma courses has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Subhabrata Mondal

Dr. Subhabrata Mondal

Assistant Professor, Department of Mathematics, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Subhabrata Mondal (Chair)	Subhabrata Mondal

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF PHYSICS

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline**	Date: 05/07/2024
Convenor: **Dr. Subhabrata Mondal**	Start time: 11:30 AM	End time: 1:00 PM
Venue: **ANNEX 201**		

Attendees	
Dr. Subhabrata Mondal (Chairperson, BOS)	Assistant Professor & Head, Department of Mathematics and Physics, SVU
Dr. Rituparna Mondal (External Expert from Academics)	Assistant Professor, Department of Physics, Jadavpur University, Kolkata 700032
Dr. Krishanu Chatterjee (External Expert from Academics)	Associate Professor, Department of Physics, Techno India University, Kolkata 700091
Dr. Kazi Hasibur Rahaman (Member)	Assistant Professor, Department of Physics, SVU
Dr. Subhrajyoti Dey (Member)	Assistant Professor, Department of Physics, SVU
Dr. Shilpa Maity (Member)	Assistant Professor, Department of Physics, SVU

Agenda

- Review of the name of courses and course codes in the existing Physics syllabus of the B. Tech course curriculum.
- Review of course content of the existing Physics syllabus of the B. Tech course curriculum.
- Review of the name of courses and course codes in the existing Physics syllabus of the Diploma course curriculum.
- Review of Physics course content of the Diploma course curriculum.
- Review of course content and course codes of the existing M. Sc. Physics syllabus.
- Review of course content and course codes of the existing B. Sc. Physics syllabus.

Dr. Subhabrata Mondal, Convenor of the meeting discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Review of the name of courses and course codes in the existing Physics syllabus of the B. Tech course curriculum.

Proposition: The name of courses and course codes in the existing Physics syllabus of the B. Tech course curriculum have been reviewed and necessary changes were made accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 2: Review of course content of the existing Physics syllabus of the B. Tech course curriculum.

Proposition: The detailed Physics syllabus of the B. Tech courses have been reviewed and some portions were modified, some new topics have been incorporated and some parts were excluded accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 3: Review of the name of courses and course codes in the existing Physics syllabus of the Diploma course curriculum.

Proposition: The name of courses and course codes in the existing Physics syllabus of the Diploma course curriculum have been reviewed and modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 4: Review of Physics course content of the Diploma course curriculum.

Proposition: The detailed syllabus of Physics for the Diploma courses has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 5: Review of Physics course content and course codes of the existing M. Sc. Physics syllabus.

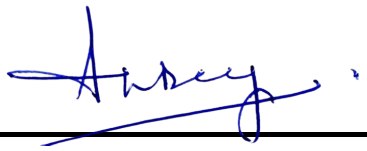
Proposition: The course content and the course codes of the existing M. Sc. Physics syllabus has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 6: Review of Physics course content and course codes of the existing B. Sc. Physics syllabus.

Proposition: The course content and the course codes of the existing B. Sc. Physics syllabus has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.



The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Subhabrata Mondal

Dr. Subhabrata Mondal

Assistant Professor, Department of Mathematics, Swami Vivekananda University

Attendance:

Member	***Signature***
Dr. Subhabrata Mondal (Chair)	Subhabrata Mondal
Dr. Rituparna Mondal	Rituparna Mondal 05/07/2024
Dr. Krishanu Chatterjee	
Dr. Kazi Hasibur Rahaman	Kazi Hasibur Rahaman
Dr. Subhrajyoti Dey	Subhrajyoti Dey
Dr. Shilpa Maity	Shilpa Maity

Date: 05/07/24

Enclosure: Corrected Course Structure and Detailed syllabus

Minutes of the Board of Studies meeting of the Department of Physics, School of Sciences, Swami Vivekananda University held on 2nd May, 2025 in the office of the Director, School of Science.

Agenda 1: To consider the recommendation of the Syllabus Committee regarding:

(a) The change of name of the existing 2-year, 4-semester M. Sc. course in Physics.

(b) The upgraded syllabus in conformity with the recommendation 1(a).

Discussion: The members of the Board of Studies deliberated on the above agenda and came to the following resolution:

Resolution 1(a): Resolved that as per the recommendation of the Syllabus Committee, the existing 2-year, 4-semester M. Sc. course in Physics be renamed as "M. Sc. in Physics and Semiconductor Physics" with the 2-year, 4-semester structure remaining the same.

(b) Resolved that the modified syllabus of the new course "M. Sc. in Physics and Semiconductor Physics" as prepared by the Syllabus Committee be approved with minor alteration.

Agenda 2: Miscellaneous.

Resolved that the above recommendation be submitted to the Academic Council/Higher Body for necessary approval and action such that the new course may be implemented from the coming academic session.

Rituparna Mondal

Subhabrata Mondal

Shilpa Maity

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALLIED HEALTH SCIENCES
DEPARTMENT OF PHYSIOTHERAPY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **SVU**	Date: **11/11/2023**
Convenor: **Prof. (Dr.) Subrata Kumar Dey**	Start time: **1:00 p.m**	End time: **4:00 p.m**

Attendees
Prof. (Dr.) Subrata Kumar Dey (Chairman, BoS)
Dr. Shazad Anwar (External Expert from Academics)
Dr. Satyen Bhattacharyya (External Expert from Academics)

Agenda

- Revision of **Choice Based Credit System** in BPT (Bachelor of Physiotherapy)
- Revision of Coding Scheme implemented in BPT Program
- Revision of Value-Added Courses beyond the Course Curriculum
- Employability/Entrepreneurship/skill development centric curriculum is rechecked.
- Revision of Syllabus: Modification of courses & course codes in the existing BPT course Curriculum.
- Revision of Course Content of the BPT course curriculum.
- Revision of Syllabus: Addition of few Courses in the existing BPT (Bachelor of Physiotherapy) curriculum.

Prof. (Dr.) Subrata Kumar Dey, Vice Chancellor, SVU, discussed the following agenda in presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting

Agenda 1: Revision of Choice Based Credit System in Bachelor of Physiotherapy

Proposition: The implementation of Choice Based Credit System (CBCS) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students' flexibility, choice, and interdisciplinary learning opportunities, CBCS empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.
Resolution: The board unanimously agreed and welcomed the change.

Agenda 2: Revision of Course Coding Scheme

Proposition: A new Course Coding Scheme is being introduced in the University for all programs to be followed from AY2022-23. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

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Agenda 3: Revision of New Value-Added Courses beyond the Course Curriculum

Proposition: The introduction of value-added courses beyond the course curriculum presents an exciting opportunity to enrich the educational experience and enhance the employability of our students. By offering practical skills, industry insights, and hands-on experiences, these courses align our institution with the evolving needs of the workforce and contribute to the success and competitiveness of our students in their future careers. Through careful planning, collaboration, and evaluation, we can ensure the successful implementation and ongoing success of value-added audit courses at our institution.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 4: Employability/Entrepreneurship/skill development centric curriculum is rechecked.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills/software skill in students.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 5: Revision of Syllabus: Modification of name of courses & course codes in the existing BPT course Curriculum.

Proposition: A new Courses and Course Coding Scheme is being introduced for all courses in BPT Programs to be followed from AY2022-23. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS

Attendance:

Member	***Signature***
Prof. (Dr.) Subrata Kumar Dey	
Dr. Shazad Anwar	
Dr. Satyen Bhattacharyya	

Date: 11/11/2023

Enclosure: Corrected Course Structure and Detailed syllabus

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SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF MATHEMATICS

Meeting Details		
Meeting Name: **Board of Studies**	Meeting Mode: **Online**	Date: **25/05/2020**
Convenor: **Dr. Pinak Pani Nath**	Start time: **2:00 p.m**	End time: **4:00 p.m**
Meeting link: meet.google.com/and-kaiw-ksz		

Attendees	
Prof. (Dr.) Subrata Kumar Dey (Chairperson, BoS)	Honorable Vice Chancellor, SVU
Dr. Pinak Pani Nath (Convenor, BOS)	Honorable Registrar, SVU
Dr. Soumen De (External Expert from Academics)	Associate Professor, Department of Applied Mathematics,University of Calcutta, Kolkata 700009
Dr. Gour Chandra Mahata (External Expert from Academics)	Associate Professor, Department of Mathematics, Sidho-Kanho-Birsha University

Agenda

- Implementation of Mathematics syllabus of the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.
- Implementation of Mathematics syllabus of the M. Tech course curriculum for the students of Computer Science and Engineering (CSE), Civil Engineering (CE), Electronics and Communication Engineering (ECE).
- Implementation of Mathematics syllabus of the Diploma course curriculum for students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE).
- Implementation of Mathematics syllabus to School of Agriculture and School of Allied Health Sciences.

Prof. (Dr.) Subrata Kumar Dey, Hon'ble Vice Chancellor discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Implementation of National Education Policy 2020 in UG (Mathematics).

Proposition: The implementation of National Education Policy (NEP 2020) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students flexibility, choice, and interdisciplinary learning opportunities, NEP 2020 empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of NEP 2020 into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 2: Revision of Mathematics syllabus: Modification of the name of courses and course codes in the existing B. Tech & M.tech courses curriculum.

Proposition: The existing syllabus of Mathematics of all the B. Tech & M.Tech courses have been reviewed and some of the names of courses and course codes have been modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 3: Review of course content of the existing Mathematics syllabus of the B. Tech & M.Tech course curriculum.

Proposition: The detailed Mathematics syllabus of the B. Tech courses have been reviewed and some portions were modified and some parts were excluded accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 4: Review of the name of courses and course codes in the existing Mathematics syllabus of the Diploma course curriculum.

Proposition: The existing name of courses and course codes of Mathematics syllabus of the Diploma course curriculum have been reviewed and modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 5: Review of Mathematics course content of the Diploma course curriculum.

Proposition: The detailed syllabus of Mathematics for the Diploma courses has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.

Attendance:

Members	Signature
Prof. (Dr.) Subrata Kumar Dey	
Dr. Pinak Pani Nath	
Dr. Soumen De	Soumen De
Dr. Gour Chandra Mahata	Gour Ch. Mahata

Date: 25/05/2020

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF MATHEMATICS

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline**	Date: **30/05/2022**
Convenor: **Dr. Subhabrata Mondal**	Start time: **02:00 p.m**	End time: **4:00 p.m**
Venue: **NND302(A)**		

Attendees	
Dr. Subhabrata Mondal (Convenor, BOS)	Assistant Professor & Head, Department of Mathematics and Physics, SVU
Mr. Subhendu Maji (Member)	Assistant Professor & Coordinator, Department of Mathematics, SVU
Dr. Soumen De (External Expert from Academics)	Associate Professor, Department of Applied Mathematics, University of Calcutta, Kolkata 700009
Dr. Gour Chandra Mahata (External Expert from Academics)	Associate Professor, Department of Mathematics, Sidho-Kanho-Birsha University
Mr. Biman Sarkar (Member)	Assistant Professor, Department of Mathematics

Agenda

- Revision of Mathematics syllabus: Modification of the name of courses and course codes in the existing B. Tech & M.Tech courses curriculum.
- Review of course content of the existing Mathematics syllabus of the B. Tech & M.Tech course curriculum.
- Review of the name of courses and course codes in the existing Mathematics syllabus of the Diploma course curriculum.
- Review of Mathematics course content of the Diploma course curriculum.
- Implementation of **Choice Based Credit System** in M.Sc (Mathematics).

Dr. Subhabrata Mondal, Convenor of the meeting Dept. of Mathematics, nominated by Hon'ble Vice Chancellor discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Revision of Mathematics syllabus: Modification of the name of courses and course codes in the existing B. Tech & M.Tech courses curriculum.

Proposition: The existing syllabus of Mathematics of all the B. Tech & M.Tech courses have been reviewed and some of the names of courses and course codes have been modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 2: Review of course content of the existing Mathematics syllabus of the B. Tech & M.Tech course curriculum.

Proposition: The detailed Physics syllabus of the B. Tech & M.Tech courses have been reviewed and some portions were modified and some parts were excluded accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 3: Review of the name of courses and course codes in the existing Mathematics syllabus of the Diploma course curriculum.

Proposition: The existing name of courses and course codes of Mathematics syllabus of the Diploma course curriculum have been reviewed and modified accordingly.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 4 : Review of Mathematics course content of the Diploma course curriculum.

Proposition: The detailed syllabus of Mathematics for the Diploma courses has been reviewed and some portions were modified.

Resolution: The board unanimously agreed and welcomed the proposal.

Agenda 5 : Implementation of **Choice Based Credit System** in M.Sc (Mathematics).
Proposition: The implementation of Choice Based Credit System (CBCS) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students' flexibility, choice, and interdisciplinary learning opportunities, CBCS empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.
Resolution: The board unanimously agreed and welcomed the change.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University, and the Chairperson of BOS.

Prepared By

Subhabrata Mondal

Dr. Subhabrata Mondal

Attendance:

Member	Signature
Dr. Subhabrata Mondal	Subhabrata Mondal
Mr. Subhendu Maji	Subhendu Maji
Dr. Soumen De	Soumen De
Dr. Gour Chandra Mahata	Gour Ch. Mahata
Mr. Biman Sarkar	Biman Sarkar
Date: 30/05/2022	

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF MATHEMATICS

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Offline**	Date: **27/05/2023**
Convenor: **Dr. Subhabrata Mondal**	Start time: **2:00 p.m**	End time: **4:00 p.m**
Venue: **ANNEX 203**		

Attendees	
Dr. Subhabrata Mondal (Chairperson, BOS)	Assistant Professor & Head, Department of Mathematics and Physics, SVU
Mr. Subhendu Maji (Member)	Assistant Professor & Coordinator, Department of Mathematics, SVU
Dr. Arijit Das (Member)	Assistant Professor, Department of Mathematics, SVU
Mr. Biman Sarkar (Member)	Assistant Professor, Department of Mathematics, SVU
Dr. Soumen De (External Expert from Academics)	Associate Professor, Department of Applied Mathematics,University of Calcutta, Kolkata 700009
Dr. Gour Chandra Mahata (External Expert from Academics)	Associate Professor, Department of Mathematics, Sidho-Kanho-Birsha University

Agenda

- Implementation of **National Education Policy 2020** in UG (Mathematics).
- Revision of Mathematics syllabus: Modification of the name of courses and course codes in the existing B. Tech & M.Tech courses curriculum.
- Review of course content of the existing Mathematics syllabus of the B. Tech & M.Tech course curriculum.
- Review of the name of courses and course codes in the existing Mathematics syllabus of the Diploma course curriculum.
- Review of Mathematics course content of the Diploma course curriculum.

Dr. Subhabrata Mondal, Convenor of the meeting discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Implementation of Mathematics syllabus of the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.

Proposition: A new Mathematics syllabus has been designed for the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified accordingly as per suggestions of the learned members.

Resolution: The board unanimously agreed and approved the syllabus.

Agenda 2: Implementation of Mathematics syllabus of the Diploma course curriculum for students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE).

Proposition: A new Mathematics syllabus has been designed for the Diploma course curriculum for the first year students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified accordingly as per suggestions of the learned members.

Resolution: The board unanimously agreed and approved the syllabus.

Agenda 3: Implementation of Mathematics syllabus of the M. Tech course curriculum for the students of Computer Science and Engineering (CSE), Civil Engineering (CE), Electronics and Communication Engineering (ECE).

Proposition: A new Mathematics syllabus has been designed for the M.Tech course curriculum for the first year students of Computer Science and Engineering (CSE), Civil Engineering (CE), Electronics and Communication Engineering (ECE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified accordingly as per suggestions of the learned members.

Resolution: The board unanimously agreed and approved the syllabus.

Agenda 4: Implementation of Mathematics syllabus to School of Agriculture, School of Management and School of Allied Health Sciences

Proposition: A new Mathematics syllabus has been designed for the School of Agriculture, School of Management and School of Allied Health. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified accordingly as per suggestions of the learned members.

Resolution: The board unanimously agreed and approved the syllabus.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University and the Chairperson of BOS.

Prepared By

Dr. Pinak Pani Nath

Registrar, Swami Vivekananda University

Prepared By

Subhabrata Mondal

Dr. Subhabrata Mondal

Assistant Professor, Department of Mathematics, Swami Vivekananda University

Attendance:

Member	Signature
Dr. Subhabrata Mondal	Subhabrata Mondal
Mr. Subhendu Maji	Subhendu Maji
Dr. Arijit Das	Arijit Das
Mr. Biman Sarkar	Biman Sarkar
Dr. Soumen De	Soumen De
Dr. Gour Chandra Mahata	Gour Ch. Mahata

Date: 27/05/2023

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

SCHOOL OF BASIC SCIENCES

DEPARTMENT OF CHEMISTRY

Meeting Details		
Meeting Name: **Board of Studies**	Meeting Mode: **Online**	Date: **16/05/2020**
Convenor: **Dr. Pinak Pani Nath**	Start time: **2:00 p.m**	End time: **4:00 p.m**
Meeting link: meet.google.com/fyo-vyuw-snh		

Attendees	
Prof. (Dr.) Subrata Kumar Dey (Chairperson, BoS)	Honorable Vice Chancellor, Swami Vivekananda University
Dr. Pinak Pani Nath (Convenor, BOS)	Honorable Registrar, Swami Vivekananda University
Dr. Soumya K Biswas (External Expert from Academics)	Assistant Professor (Selection Grade), Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim Manipal University
Dr. Kalipada Pal (External Expert from Academics)	Associate Professor (retd.) Department of Chemistry, RKMVC College, Rahara, Kolkata

Agendas of the meeting:

1. Implementation of Chemistry syllabus of the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.
2. Implementation of Chemistry and Environmental Science syllabus of the Diploma course curriculum for students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE).
3. Implementation of Chemistry and Environmental Studies and Disaster Management syllabus of the B. Tech course curriculum for the students of Agricultural Engineering department.
4. Implementation of Environmental Science syllabus for all the undergraduate courses.

Prof. (Dr.) Subrata Kumar Dey, Hon'ble Vice Chancellor discussed the following agenda in presence of all the Board of Studies members.

Agenda 1: Implementation of Chemistry syllabus of the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.

Resolution: A new Chemistry syllabus has been designed for the B. Tech course curriculum for the students of Computer Science and Engineering (CSE), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified accordingly as per suggestions of the members present in the meeting. The board unanimously agreed and approved the syllabus.

Agenda 2: Implementation of Chemistry and Environmental Science syllabus of the Diploma course curriculum for students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE).

Resolution: A new Chemistry and Environmental Science syllabus have been designed for the Diploma course curriculum for the first year students of Computer Science and Technology (CST), Civil Engineering (CE), Mechanical Engineering (ME), Electrical Engineering (EE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabuses have been modified as per the suggestions of the external members. The board unanimously agreed and approved the syllabus.

Agenda 3: Implementation of Chemistry and Environmental Studies and Disaster Management syllabus of the B. Tech course curriculum for the students of Agricultural Engineering department

Resolution: A new Chemistry syllabus as well as an Environmental Studies and Disaster Management syllabus have been designed for the B.Tech course curriculum for the first year students of Agriculture department. The detail course content along with the course structure have been discussed with the member present in the meeting. The necessary modification of the syllabus has been done as per suggestions of the learned members. The board unanimously agreed and approved the syllabus.

Agenda 4: Implementation of Environmental Science syllabus for all the undergraduate courses

Resolution: A new Environmental Science syllabus has been designed for all the undergraduate courses. The detail course content along with the course structure have been discussed with the member present in the meeting and the syllabus has been modified accordingly as per suggestions of the learned members. The board unanimously agreed and approved the syllabus.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University and the Chairperson of BOS.

Prepared By

Dr. Pinak Pani Nath

Registrar, Swami Vivekananda University

Attendance:

Members	***Signature***
Prof. (Dr.) Subrata Kumar Dey	
Dr. Pinak Pani Nath	
Dr. Soumya K Biswas	
Dr. Kalipada Pal	

Date: 16/05/2020

Enclosure: Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF CHEMISTRY

Meeting Details		
Meeting Name: **Board of Studies**	Meeting Mode: **Online**	Date: **22/05/2021**
Convenor: **Dr. Pinak Pani Nath**	Start time: **3:00 p.m**	End time: **5:00 p.m**
Meeting link: meet.google.com/an-kaiw-kss		

Attendees	
Prof. (Dr.) Subrata Kumar Dey (Chairperson, BOS)	Honorable Vice Chancellor, Swami Vivekananda University
Dr. Pinak Pani Nath (Convenor, BOS)	Honorable Registrar, Swami Vivekananda University
Dr. Soumya K. Biswas (External Expert from Academics)	AssistantProfessor (Selection Grade), Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim Manipal University
Dr. Kalipada Pal (External Expert from Academics)	Associate Professor (retd.) Department of Chemistry, RKMVC College, Rahara, Kolkata

Agendas of the meeting:

1. Implementation of Chemistry syllabus of the B. Sc. (Hons) course curriculum for the students of Biotechnology department.
2. Implementation of Environmental Science syllabus of the B. Tech course curriculum for fourth semester's students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.

Prof. (Dr.) Subrata Kumar Dey, Hon'ble Vice Chancellor discussed the following agenda in presence of all the Board of Studies members.

Agenda1: Implementation of Chemistry syllabus of the B. Sc. (Hons) course curriculum for the students of Biotechnology department.

Resolution: A new Chemistry syllabus has been designed for B. Sc. (Hons) course curriculum for the students of semester-III and IV of the Biotechnology department. The detail course content along with the course structure have been discussed with the members present in the meeting. The syllabus has been modified accordingly as per the suggestions of the members present in the meeting. The

board unanimously agreed and approved the syllabus.

Agenda 2: Implementation of Environmental Science syllabus of the B. Tech course curriculum for fourth semester's students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments.

Resolution: A new Environmental Science syllabus have been designed for B. Tech course curriculum for fourth semester's students of Computer Science and Engineering (CSE), Data Science (DS), Civil Engineering (CE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Electrical Engineering (EE) departments. The detail course content along with the course structure have been discussed with the member present in the meeting. The syllabus has been modified as per the suggestions of the external members. The board unanimously agreed and approved the syllabus.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University and the Chairperson of BOS.

Prepared By

Dr. Pinak Pani Nath

Registrar,

Swami Vivekananda University

Attendance:

Members	***Signature***
Prof. (Dr.) Subrata Kumar Dey	
Dr. Pinak Pani Nath	
Dr. Soumya K Biswas	
Dr. Kalipada Pal	

Date: 22/05/2021

Enclosure: Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF BASIC SCIENCES
DEPARTMENT OF CHEMISTRY

Meeting Details		
Meeting Name: **Board of Studies**	Meeting Mode: **Online**	Date: **20 /05/2022**
Convenor: **Dr. Pinak Pani Nath**	Start time: **2:00 p.m**	End time: **4:00 p.m**
Meeting link: meet.google.com/fza-buaw-pfr		

Attendees	
Prof. (Dr.) Subrata Kumar Dey (Chairperson, BOS)	Honorable Vice Chancellor, Swami Vivekananda University
Dr. Pinak Pani Nath (Convenor, BOS)	Honorable Registrar, Swami Vivekananda University
Mr. Souvik Roy (Member)	Assistant Professor, Department of Chemistry, Swami Vivekananda University
Dr. Soumya K. Biswas (External Expert from Academics)	AssistantProfessor (Selection Grade), Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim Manipal University
Dr. Kalipada Pal (External Expert from Academics)	Associate Professor (retd.) Department of Chemistry, RKMVC College, Rahara, Kolkata

Agendas of the meeting:

1. Revision of course curriculum/syllabus for the Chemistry course in the B.Tech CE/ME/ECE/EE/CSE/DS) program.
2. Miscellaneous (if any)

Prof. (Dr.) Subrata Kumar Dey, Hon'ble Vice Chancellor discussed the following agenda in presence of all the Board of Studies members.

Agenda1: Revision of course curriculum/syllabus for the Chemistry course in the B.Tech (CE/ME/ECE/EE/CSE/DS) program.

Resolution: Dr. Pinak Pani Nath informed the external members that previously the chemistry course was running in the first semester for the B. Tech ECE and B. Tech EE and for other programs it was running in second semester. In the new curriculum the same thing will be followed that chemistry course will run in the first semester for the B. Tech ECE and B. Tech EE

and for other programs it will run in second semester. He asked the external members to go through the proposed syllabus of Chemistry for B. Tech program that will run in the University in semester-II as per the new curriculum and requested them to suggest any changes if required. External member Dr. Kalipada Pal suggested few changes in the syllabus of Chemistry theory course.

He suggested to replace the topic Schrödinger equation by ''time independent Schrödinger equation''. There was a discussion on Crystal field theory also and everyone well agreed to the decision that for Crystal field theory the Jahn teller distortion should be omitted for B. Tech program and only the basic part of this theory related to the octahedral and tetrahedral splitting diagram will be discussed. Dr. Soumya K Biswas suggested that for Acid-Base in the fourth unit of the syllabus all the acid base theories should be properly indicated in the syllabus and HSAB (hard soft acid base) theory should not be incorporated. In addition to this he also advised to clearly mention the topics of water chemistry that will be covered in this syllabus.

Dr. Kalipada Pal also suggested to remove "isomerism in transition metals" from the syllabus. Apart from these he also recommended to mention the name of the drugs that will be taught in the "Synthesis of a commonly used drug molecule' topic in the last unit of this syllabus.

The second semester's Chemistry syllabus (for B. Tech) was finally agreed upon by all the members and the second semester's Chemistry Lab syllabus was discussed. Other details related to the Chemistry Lab in the second semester were also discussed. The external expert Dr. Kalipada Pal gave few suggestions regarding the Chemistry Lab syllabus and conduction of those experiments in the lab. He advised to remove the following experiments from the syllabus:

Determination of the rate constant of a reaction
Determination of the partition coefficient of a substance between two immiscible liquids
Adsorption of acetic acid by charcoal

All the suggestions from the external experts were discussed and accepted by all the members present in these meeting and at the end of the meeting the second semester's syllabus of Chemistry and Chemistry Lab for various B. Tech Engineering programs running in the University were finalized.

Agenda2: Miscellaneous (if any)

There were no other issues to discuss so, the meeting was finally concluded by the Chairman with vote of thanks.

The minute is issued in concurrence with the Registrar, Swami Vivekananda University and the Chairperson of BOS.

Prepared By

Dr. Pinak Pani Nath

Registrar,

Swami Vivekananda University

Attendance:

Members	***Signature***
Prof. (Dr.) Subrata Kumar Dey	
Dr. Pinak Pani Nath	
Mr. Souvik Roy	Souvik Roy
Dr. Soumya K Biswas	
Dr. Kalipada Pal	

Date: 20/05/2022

Enclosure: Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

SCHOOL OF BASIC SCIENCES

DEPARTMENT OF CHEMISTRY

Meeting Details		
Meeting Name: **Board of Studies**	Meeting Mode: **Offline**	Date: **19/05/2023**
Convenor: Mr. Souvik Roy	Start time **11 a.m.**	End time: **1:00 p.m**
Venue: Swami Vivekananda University Campus		

Attendees	
Dr. Arpita Sarkar (Chairperson, BoS)	Associate Professor and Head, Department of Chemistry, Swami Vivekananda University
Mr. Souvik Roy (Convenor, BOS)	Assistant Professor, Department of Chemistry, Swami Vivekananda University
Dr. Soma Mukherjee (External Expert from Academics)	Professor Department of Environmental Science, University of Kalyani, Kalyani
Dr. Kalipada Pal (External Expert from Academics)	Associate Professor (retd.) Department of Chemistry, RKMVC College, Rahara, Kolkata

Agendas of the meeting:

1. Modification of the BOS committee for the Dept. of Chemistry
2. Revision of syllabus for the Environmental Science course in the undergraduate program.
3. Miscellaneous (if any)

The chairman of the board of studies, Dr. Arpita Sarkar welcomed all the external members and introduced the agenda of the meeting. Approval was taken from the members regarding all the agendas.

1. **Modification of the BOS committee for the Dept. of Chemistry**

The chairman proposed to remove the name of Dr. Soumya K Biswas (external member) from the BOS committee and incorporate the name of new external member Dr. Soma Mukherjee. All the members accepted this change.

2. **Revision of syllabus for the Environmental Science course in the undergraduate program.**

Dr. Arpita Sarkar explained the changes in new curriculum and the syllabus for the Environmental Science course in the under graduate program and also informed that the course will be considered as a value-added course as per new education policy. Dr. Sarkar informed the external members that the Environmental Science course will run in the first semester and second semester both for all the under graduate programs and the credit of the courses are 2. She asked the external members to go through the proposed syllabus of the above said course and requested them to suggest any changes if required. External member Dr. Soma Mukherjee suggested few changes in the syllabus of Environmental Science course. All the suggestions from the external experts were discussed and accepted by all the members present in the meeting and at the end of the meeting the syllabus of Environmental Science for under graduate programs running in the University were finalized.

3. **Miscellaneous (if any)**

There was another issue to discuss which was the change in the curriculum of Chemistry course (theory and lab both) in B. Tech program. Dr. Arpita informed the external members that the chemistry course will run in the first semester for the B. Tech CSE and B. Tech DS and for other programs (i.e, for B. Tech EE, ECE, ME and CE) it will run in the second semester as per the new curriculum.

There were no other issues to discuss so, the meeting was finally concluded by the Chairman Dr. Arpita Sarkar with vote of thanks.

The minute is issued in concurrence with Dr. Arpita Sarkar, Chairperson of BOS, Swami Vivekananda University.

Prepared By

Dr. Arpita Sarkar

Associate Professor and Head,
Department of Chemistry, Swami Vivekananda University

Attendance:

Members	***Signature***
Dr. Arpita Sarkar	Arpita Sarkar
Mr. Souvik Roy	Souvik Roy
Dr. Soma Mukherjee	Soma Mukherjee
Dr. Kalipada Pal	K Pal.

Date: 19/05/2023

Enclosure: Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kathalia, WB - 700121
School of Allied Health Science
Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2023
(As per UGC CBCS Template)

Swami Vivekananda University

BOARD OF STUDIES

Minutes of Meeting

School	SCHOOL OF ALLIED HEALTH SCIENCES
Department	**BACHELOR OF OPTOMETRY**
Program -level	UG
Date of Meeting	03/07/2023

Convened by: Dipanwita Ghosh	**Meeting Objective:** To discuss the BOS agenda and implement the CBCS curriculum of Ministry of Health and Family Welfare Allied Health section	
Date: 03.07.2023	**Time:** 11.00 am	**Minutes taken by:** Dipanwita Ghosh
Venue: SVU platform	**Mode:** Offline	**Meeting No:** 02

Meeting Attendees:

Name	Designation	BOS Position
Dipanwita Ghosh	Assistant Professor & Head	Chairman
Prabirendra Nath Sinha	Assistant Professor & Academic Coordinator Department Of Optometry	Convenor
Manas Chakrabarty	Assistant Professor	Member
Arup Saha	Assistant Professor	Member
Dr. Somnath Ghosh	Dr. Somnath Ghosh Has Pursued a Ph.D. In Optometry And Vision Sciences From National University Of Malaysia (Ukm), Kuala Lumpur, Malaysia. Assistant Professor And Chief Program Coordinator, Department Of Allied Health Science And Technology, Kazi Nazrul	External Expert FromAcademia

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kathalia, WB - 700121
School of Allied Health Science
Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2023
(As per UGC CBCS Template)

	University (A State Govt. University), Asansol, West Bengal, India.	
Mr. Chiranjib Majumder	Assitant Professor & Coordinator, Department Of Optometry, Brainware University, Kolkata	External Expert FromAcademia
Dr. Prasun Banerjee	Principal, George College Of Management & Science	External Expert FromAcademia
Dr. SomsubhraGupta	(Director- R&D Cell) Professor And Dean Of Science	Invited Member
Dr. Titlee Majumder	Assistant Professor & Head Department Of MLT	Invited Member
Dr. Manisha Maity	Assistant Professor & Head Department Of Nutrition	Invited Member
Dr. Subhabrata Mondal	Assistant Professor & Head Department Of Physics & Math	Invited Member
Dr. Semanti Ghosh	Assistant Professor Department Of Biotechnology	Invited Member
Ms. Priya Sharma	Assistant Professor Department Of Physics & Math	Invited Member
Ms. Oly Banerjee	Assistant Professor Department Of MLT	Invited Member

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kathalia, WB - 700121
School of Allied Health Science
Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2023
(As per UGC CBCS Template)

1. Agenda:	1. Discussion and approval of Vision, Mission, POs, PSOs, COs statements of the department 2. Approval of the revised CBCS syllabus of Bachelor of Optometry 4 years program based on the proposed curriculum of Ministry of Health and Family Welfare Allied Health Section, to be implemented from 2023 batch onwards 3. Discussion about the syllabus of subjects of 3rd, 5th and 7th semester of Bachelor of Optometry program scheme 2021 and 2022 4. The revision of laboratory experiments, recommendation for set up of new Labs 5. Discussion and recommendation on various knowledge resources including textbooks, refence books, Journals and other refence materials to each course. 6. Discussion about the courses to be offered through MOOCs, Generic Electives, Program electives 7. Discussion on the value added courses to be implemented for 1st, 3rd and 5th semester 8. Discussion and recommendation on inter

	disciplinary/multidisciplinary courses offered 9. Discussion and recommendation on skill development vocational courses offered. 10. Approval of panel of external question paper setter and modulators for end semester examination of Bachelor of Optometry 11. Any other agenda open of all faculty with the permission of the Chair

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kathalia, WB - 700121
School of Allied Health Science
Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2023
(As per UGC CBCS Template)

Suggestions & Action taken		
Suggestions	**BOS Member**	**Action taken**
1. PO's, PSO's need to be modify	Dr. Somnath Ghosh	Modified and Implemented
2. Courses Credit and credit hours need to be modified in scheme	Dr. Somnath Ghosh	Implemented
3. Geometrical Optics course need to be taken in 2nd semester and Physical Optics need to be taken in 1st semester	Dr. Somnath Ghosh	Implemented
4. Syllabus of Geometrical Optics, Physical Optics and Visual Optics need to be modified	Dr. Somnath Ghosh	Implemented
5. Optometric Optics subject name need to be changed to Dispensing Optics -I	Dr. Somnath Ghosh	Implemented
6. Syllabus need to be modified of Microbiology and Pathology	Dr. Somnath Ghosh	Implemented
7. Binocular vision I subject need to be shifted to semester 4	Dr. Somnath Ghosh	Implemented
8. Research Project and Internship credit need to be modify in 7th and 8th semester	Dr. Somnath Ghosh	Implemented
9. Scheme need to be prepare as per the CBCS format	Dr. Somsubhra Gupta	Implemented
10. Syllabus need to formatted as per the NEP model	Dr. Somsubhra Gupta	To be implemented with further discussion

ASSISTANT PROFESSOR & HEAD,

DEPT. OF OPTOMETRY

SCHOOL OF ALLIED HEALTH SCIENCE

Swami Vivekananda University

BOARD OF STUDIES(2023-2024)

Attendance Sheet

School	SCHOOL OF ALLIED HEALTH SCIENCES
Department	**BACHELOR OF OPTOMETRY**
Program -level	UG
Date of Meeting	03/07/2023

Sl. No.	Name	Designation	BoS position	Signature
1.	Dipanwita Ghosh	ASSISTANT PROFESSOR & HEAD	Chairman	
2.	Prabirendra Nath Sinha	ASSISTANT PROFESSOR & ACADEMIC COORDINATOR DEPARTMENT OF OPTOMETRY	Convenor	
3.	Manas Chakrabarty	ASSISTANT PROFESSOR	Member	
4.	Arup Saha	ASSISTANT PROFESSOR	Member	
5.	Dr. Somnath Ghosh	Dr. Somnath Ghosh has pursued a Ph.D. in Optometry and Vision Sciences from National University of Malaysia (UKM), Kuala Lumpur, Malaysia. Assistant Professor and Chief Program Coordinator, Department of Allied Health Science and Technology, Kazi Nazrul University (a State Govt. University), Asansol, West Bengal, India.	External Expert from Academia	18/11/2023 Chief Programme Co-ordinator Department of Allied Health Science and Technology KAZI NAZRUL UNIVERSITY Asansol, West Bengal

6.	MR. CHIRANJIB MAJUMDER	ASSISTANT PROFESSOR AND COORDINATOR, DEPARTMENT OF OPTOMETRY, BRAINWARE UNIVERSITY, KOLKATA	EXTERNAL EXPERT FROM ACADEMIA	
7.	DR. PRASUN BANERJEE	PRINCIPAL, GEORGE COLLEGE OF MANAGEMENT & SCIENCE	EXTERNAL EXPERT FROM ACADEMIA	
8.	DR. SOMSUBHRA GUPTA	(DIRECTOR- R&D CELL) PROFESSOR AND DEAN OF SCIENCE	INVITED MEMBER	
9.	DR. TITLEE MAJUMDER	ASSISTANT PROFESSOR & HEAD DEPARTMENT OF MLT	INVITED MEMBER	Titlee Majumder
10.	DR. MANISHA MAITY	ASSISTANT PROFESSOR & HEAD DEPARTMENT OF NUTRITION	INVITED MEMBER	Manisha Maity
11.	DR. SUBHABRATA MONDAL	ASSISTANT PROFESSOR & HEAD DEPARTMENT OF PHYSICS & MATH	INVITED MEMBER	
12.	DR. SEMANTI GHOSH	ASSISTANT PROFESSOR DEPARTMENT OF BIOTECHNOLOGY	INVITED MEMBER	Semanti Ghosh
13.	MS. PRIYA SHARMA	ASSISTANT PROFESSOR DEPARTMENT OF PHYSICS & MATH	INVITED MEMBER	Priya Sharma.
14.	MS. OLY BANERJEE	ASSISTANT PROFESSOR DEPARTMENT OF MLT	INVITED MEMBER	Oly Banerjee

SWAMI VIVEKANANDA UNIVERSITY

Telinipara, Barasat-Barrackpore Road, Bara Kathalia, WB - 700121
School of Allied Health Science
Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2020

Swami Vivekananda University

BOARD OF STUDIES (2024-2025)

Minutes of Meeting

School	SCHOOL OF ALLIED HEALTH SCIENCES
Department	**DEPARTMENT OF OPTOMETRY**
Program -level	UG & PG
Date of Meeting	25/06/2024

Convened by: Dipanwita Ghosh	**Meeting Objective:** To discuss the BOS agenda and implement the CBCS curriculum of Ministry of Health and Family Welfare Allied Health section	
Date: 25.06.2024	**Time:** 11.00 am	**Minutes taken by:** Srimanti Sarkar
Venue: SVU platform	**Mode:** Offline	**Meeting No:** 008

Meeting Attendees:

Name	Designation	BOS Position	Signature
Dipanwita Ghosh	Assistant Professor & Head	Chairman	Dipanwita Ghosh 25/06/24
Prabirendra Nath Sinha	Assistant Professor & Academic Coordinator Department Of Optometry	Convenor	Prabirendra Nath Sinha 25-06-2024
Manas Chakrabarty	Assistant Professor, Department Of Optometry	Member	Manas Chakrabarty 25/06/2024
Arup Saha	Assistant Professor, Department Of Optometry	Member	Arup Saha 25-06-24
Rikta Paul	Assistant Professor, Department Of Optometry	Member	Rikta Paul 25/07/24

SWAMI VIVEKANANDA UNIVERSITY

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Bachelor of Optometry (B. OPTM)
Program and Detailed Structure 2020

Srimanti Sarkar	Teaching assistant, Department Of Optometry	Member	Srimantisarkar 25/6/24.
Sudha Prasad	Teaching assistant, Department Of Optometry	Member	Sudha Prasad. 25/6/24.
Dr. Somnath Ghosh	Dr. Somnath Ghosh Has Pursued a Ph.D. In Optometry And Vision Sciences From National University Of Malaysia (Ukm), Kuala Lumpur, Malaysia. Assistant Professor And Chief Program Coordinator, Department Of Allied Health Science And Technology, Kazi Nazrul University (A State Govt. University), Asansol, West Bengal, India.	External Expert From Academia	25/6/24
Dr. Srijan Halder	Assistant Professor, Department Of Biochemistry ,	Invited member	Srijan Halder 25/6/4
Dr. Suvrojyoti Dey	Assistant Professor, Department Of Physics	Invited Member	
Mr. Kazi Hasibur Rahman	Assistant Professor, Department Of Physics	Invited Member	Kazi Hasibur Rahman 25.06.24
Mr. Arijit Das	Assistant Professor, Department Of Mathematics	Invited Member	Arijit Das 25/06/24
Dr. Titlee Majumder	Assistant Professor & Head Department Of MLT	Invited Member	
Dr. Manisha Maity	Assistant Professor & Head Department Of Nutrition	Invited Member	
Dr. Subhabrata Mondal	Assistant Professor & Head Department Of Physics & Math	Invited Member	Subhabrata Mondal 25/07/24

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALLIED HEALTH SCIENCES
DEPARTMENT OF B.SC IN MEDICAL LABORATORY TECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Online (Google meet)**	Date:**11/04/2023**
Convenor: **Prof. (Dr.) Subrata Kumar Dey**	Start time:**12.00 pm**	End time: **2.00pm**
Meeting Mode: Offline	Venue: NND309	

Attendees
Prof. (Dr.) Subrata Kumar Dey (Chairman, BoS)
Dr.Joy Basu (External Expert from Academics)
Associate professor Dr. Sandip Mukherjee (External Expert from Academics)
Professor. Dr. Mausumi Sikdar (External Expert from Academics)

Agenda
❖ Implementation of **Choice Based Credit System** in B.Sc (Medical Laboratory Technology)
❖ Introduction of New Coding Scheme implemented in all the B.Sc program.
❖ Introduction of New Value-Added Courses beyond the Course Curriculum
❖ Revision of the syllabus framed 2021(CBCS)
❖ Employability/Entrepreneurship/skill development centric curriculum Implementation.

Prof. (Dr.) Subrata Kumar Dey, Vice Chancellor, SVU, discussed the following agenda in presence of all the Board of Studies members.

Minutes of 2nd Board of Studies (BOS) Meeting

Agenda 1: Implementation of Choice Based Credit System in B.Sc (Medical Laboratory Technology)

Proposition: The implementation of Choice Based Credit System (CBCS) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students' flexibility, choice, and interdisciplinary learning opportunities, CBCS empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.
Resolution: The board unanimously agreed for the formation of the syllabus.

Agenda 2: Introduction of New Course Coding Scheme

Proposition: A new Course Coding Scheme is being introduced in the University for all programs to be followed from AY2023-24. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

Agenda 3: Introduction of New Value-Added Courses beyond the Course Curriculum

Proposition: The introduction of value-added courses beyond the course curriculum presents an exciting opportunity to enrich the educational experience and enhance the employability of our students. By offering practical skills, industry insights, and hands-on experiences, these courses align our institution with the evolving needs of the workforce and contribute to the success and competitiveness of our students in their future careers. Through careful planning, collaboration, and evaluation, we can ensure the successful implementation and ongoing success of value-added audit courses at our institution.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 4: Revision of the syllabus framed 2022-23(CBCS)

Proposition: With due consideration the syllabus has been revised the GE baskets has been upgraded and approved by the committee members.
Resolution: The overall framework was highly appreciated believed by industry and academia.

Agenda 5: Employability/Entrepreneurship/skill development centric curriculum Implementation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills within students.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Attendance:

Member	***Signature***
Prof. (Dr.) Subrata Kumar Dey	
Prof. Mausumi Sikdar (External Expert from Academics)	
Dr. Joy Basu, Vice President, Apollo Hospitals	
Associate Professor. Dr. Sandip Mukherjee (External Expert from Academics)	He was not present due to some un avoidable circumstances

Date: 11/04/2023

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALIIED HELATH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY

Minutes of the Board of Studies Meeting

Date: 21.06.24

Venue: NND 309, Swami Vivekananda University

Chairperson: Prof. Dr. Subrata Kumar Dey

Members Present:
Dr. Joy Basu (External Expert from Academics)
Dr. Sandip Mukherjee (External Expert from Academics)
Dr. Alak Kumar Syamal (External Expert from Academics)

Agenda: Discussion on curriculum enhancement and introduction of new value-added and skill development courses.

1. Introduction of New Value-Added Courses Beyond the Curriculum

Proposition:
The Board proposed the introduction of value-added courses to complement the existing curriculum and enhance students' interdisciplinary knowledge and employability.

Recommendation:
It was recommended to introduce selective value-added courses aligned with industry requirements and emerging technologies. The Board emphasized periodic review to keep them relevant.

2. Continuation of Majority of Existing Courses

Proposition:
The Board reviewed the current set of value-added and core courses.

Recommendation:
It was unanimously recommended to retain the majority of the existing courses, as they are well-structured and continue to serve academic and professional development needs effectively.

3. Minor Changes and Revisions in Existing Courses

Proposition:
Feedback from faculty and industry experts indicated the need for certain updates in the course content.

Recommendation:
Minor changes in terms of content updates, credit structures, and inclusion of current trends were proposed and incorporated. These revisions were appreciated and endorsed by external experts as constructive and necessary for curriculum refinement.

4. Introduction of Skill Development Courses

Proposition:
The Board discussed the growing need for students to acquire hands-on skills aligned with practical industry requirements.

Recommendation:
It was recommended to introduce dedicated skill development courses across all disciplines. These should focus on tools, technologies, and methodologies currently in demand in the job market.

5. Orientation Towards Practical Learning

Proposition:
A need was identified to bridge the gap between theoretical knowledge and its practical application.

Recommendation:
The Board strongly recommended that newly introduced and existing courses should be made more practical-oriented, with increased focus on case studies, lab-based learning, industrial visits, live projects, and internships.

Conclusion:
The meeting concluded with a consensus on the above recommendations. The Chairperson thanked all members for their valuable insights and contributions. The approved suggestions will be implemented from the upcoming academic session.

Attendance

Name	Signature
Prof. (Dr.) Subrata Kumar Dey	
Dr. Joy Basu	He was not present that day
Dr. Sandip Mukherjee	Sandip Mukherjee
Dr. Alak Kumar Syamal	

Date: 21.06.24

Enclosure: Corrected Course Structure and Detailed Syllabus

Forwarded to the Honourable Vice-Chancellor.

Swami Vivekananda University

School of Humanities and Social Sciences

Department of Journalism and Mass Communication

Board of Studies (BOS) Meeting, AY 2023-24

Meeting Details	
Meeting Name	Board of Studies
Venue	Swami Vivekananda University, BNB (Room No-211)
Date	13/03/2023
Convenor(s)	Dr. Mahendra Kumar Jena, Head, Department of Journalism & Mass Communication, Swami Vivekananda University
Start time	11:00 a.m
End time	2:00 p.m

Attendees:

1. Dr. Mahendra Kumar Jena (Chairman)
2. Prof. (Dr.) Buroshiva Dasgupta (External Expert from Academics)
3. Prof. (Dr.) Manas Roy (External Expert from Academics)
4. Dr. Rajesh Das (External Expert from Academics)
5. Mr. Snehasis Sur (External Expert from Industry)
6. Ms. Pritha Mishra (Member of the Dept.)

Swami Vivekananda University

School of Humanities and Social Sciences

Department of Journalism and Mass Communication

Board of Studies (BOS) Meeting, AY 2023-24

Agenda:

1. Organizing Induction Cum Lecture Series by Industry Professionals.
2. Re-evaluating the NEP 2020 Guidelines for Smoother Implementation.
3. Regarding Placement Opportunities in Industry and Academic Institutions
4. Providing Guidance for Competitive Exams like NET, SET, etc.
5. Discussion on Organizing National/International Conference, Seminar, Workshop, Hands-on Training
6. Planning to introduce certificate courses AY 2023-24 onwards.
7. Miscellaneous (if any).

Dr. Mahendra Kumar Jena, Head of the Department, discussed the above mentioned agenda in the presence of all the Board of Studies members.

Swami Vivekananda University

School of Humanities and Social Sciences

Department of Journalism and Mass Communication

Board of Studies (BOS) Meeting, AY 2023-24

Minutes of Board of Studies (BOS) Meeting:

1. **Organizing Induction Cum Lecture Series by Industry Professionals.**

   Proposition: The Board proposes the organization of an induction cum lecture series facilitated by industry professionals to provide students with practical insights and real-world perspectives.

   Resolution: The Board resolves to coordinate the scheduling and execution of an induction cum lecture series featuring industry experts. This initiative aims to enrich students' understanding of industry dynamics, career prospects, and emerging trends, fostering a deeper connection between academic learning and professional practice.

2. **Re-evaluating the NEP 2020 Guidelines for Smoother Implementation.**

   Proposition: The Board suggests a thorough review of the National Education Policy (NEP) 2020 guidelines, with a focus on enhancing implementation strategies to better accommodate provisions such as multiple entry and exit options.

   Resolution: The Board resolves to conduct a comprehensive reassessment of the NEP 2020 guidelines, considering adjustments to facilitate smoother implementation processes, especially concerning provisions related to multiple entry and exit points and course flexibility. This re-evaluation aims to optimize institutional practices in alignment with NEP objectives, thereby promoting student empowerment and academic success.

3. **Regarding Placement Opportunities in Industry and Academic Institutions**

Proposition: The Board proposes strategic discussions on enhancing placement opportunities for final-year students, encompassing both industry placements and admissions to higher academic institutions.

Resolution: The Board resolves to strategize initiatives aimed at improving placement prospects for final year students, including strengthening industry partnerships, expanding internship programs, and facilitating collaborations with academic institutions offering advanced degree programs. This endeavor seeks to equip students with diverse career pathways and support their transition into professional roles or further academic pursuits.

4. **Providing Guidance for Competitive Exams like NET, SET, etc.**

Proposition: The Board proposes that teachers take additional classes to provide guidance and support for students preparing for competitive exams like NET, SET, etc. This includes offering study materials.

Resolution: The Board resolves to mandate teachers to conduct extra classes specifically tailored to help students prepare for competitive exams such as NET, SET, etc. Additionally, teachers will be tasked with providing study materials to further assist students in their exam preparation. This initiative aims to ensure that students receive comprehensive support and guidance to excel in competitive examinations, enhancing their academic and professional prospects.

5. **Discussion on Organizing National/International Conference, Seminar, Workshop, Hands-on Training**

Proposition: The Board proposes a discussion on organizing a National/International Conference, seminar, workshop, or hands-on training session to facilitate knowledge

exchange and skill development among students and faculty members.

Resolution: The Board resolves to explore the feasibility and potential benefits of organizing a National/International Conference, seminar, workshop, or hands-on training session within the department. This discussion will involve brainstorming ideas, identifying potential topics and themes, and outlining strategies for effective organization and execution. The aim is to provide opportunities for networking, collaboration, and professional growth for both students and faculty members, contributing to the overall academic enrichment of the department.

6. **Agenda Item: Planning to Introduce Certificate Courses AY 2023-24 Onwards**

Proposition: The Board proposes to explore the introduction of certificate courses starting from the Academic Year (AY) 2023-24, aimed at offering specialized training and skill development opportunities in specific areas related to journalism and mass communication.

Resolution: The Board resolves to initiate discussions and planning for the introduction of certificate courses starting from the Academic Year (AY) 2023-24. These certification courses, namely Digital Marketing & Graphics for UG & PG final year (MJMC 4th Semester & BJMC 6th Semester), and Certification Course on AI & 2D & 3D Animation for UG & PG pre-final year (BJMC 4th Semester & MJMC 2nd Semester) will be meticulously designed to provide students with focused training and practical skills in niche areas of journalism and mass communication. These courses are intended to complement the existing academic curriculum, offering students specialized knowledge and expertise aligned with industry demands and emerging trends in the field.

Swami Vivekananda University

School of Humanities and Social Sciences

Department of Journalism and Mass Communication

Board of Studies (BOS) Meeting, AY 2023-24

Prepared By:

Dr. Mahendra Kumar Jena Head, Department of Journalism and Mass Communication, Swami Vivekananda University.

Attendance:

Member	Signature
Dr. Mahendra Kumar Jena (HoD, Chairman)	Mahendra Kumar Jena
Prof. (Dr.) Buroshiva Dasgupta (External Expert from Academics)	
Prof. (Dr.) Manas Roy (External Expert from Academics)	Manas Roy
Dr. Rajesh Das (External Expert from Academics)	
Mr. Snehasis Sur (External Expert from Industry)	
Ms. Pritha Mishra (Member of the Dept.)	Pritha Mishra

Date: 13/03/2023

Enclosure: Course Structure and Detailed syllabus

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121

Department of Journalism and Mass Communication
Board of Studies (BOS) Meeting

Mode of the meeting: Offline
Venue: JCB First Floor
Date and Time : 17-01-2025, 02:00 PM

Agenda of the BOS meeting:

1. Finalization of External Moderator lists for the Department of Journalism and Mass Communication.
2. Discussion on Even Semester 2025 Paper setters, Internal moderators, Examiners and Scrutineers.
3. Discussion on the type of questions to be set and date of submission of question papers.
4. Miscellaneous (if any).

Members present:

Sl. No.	Name	Designation	Signature
1	Dr. Pramiti Roy, Associate Professor,Head Department of Journalism & Mass Communication Director, School of Humanities and Social Sciences, SVU	Member	Pramiti Roy
2	Dr. Moumita Chakraborty, Assistant Professor, SVU	Member	Moumita Chakraborty
3	Miss. Pritha Misra, Teaching Assistant, SVU	Member	Pritha Misra
4	Mr. Kishor Kumar Hira, Senior Graphic Instructor, SVU	Member	

5	Mr. Sujoy Goswami, Senior Technical Officer, SVU	Member	
6	Prof. (Dr.) Buroshiva Dasgupta, Professor, School of Media and Communication, Sister Nivedita University.	External Member	
7	Prof. (Dr.) Manas Roy, Professor and former head Centre for Journalism and Mass Communication, Visva-Bharati University.	External Member	
8	Dr. Rajesh Das, Assistant Professor, Former head of Department of Mass Communication, The University of Burdwan.	External Member	

Discussion was held about the agendas of the meeting. Approval was taken from the members regarding all the agendas.

1. Finalisation of External Moderator lists for the Department of Journalism and Mass Communication.

The list of external moderators' names for the Department of Journalism and Mass Communication was shown to all the members of the committee for the confirmation of the names of the moderators. All the members confirmed the list of external moderators.

2. Discussion on the list of internal moderators, paper setters, scrutineers and examiners:

It was decided in the meeting that one of the departmental faculty would serve as an internal moderator and the subject teachers other than internal moderators would serve as paper setter and examiner. It was informed that the internal faculty members other than the examiner would perform the scrutiny of the papers. All these decisions were finalized after taking opinions from all the members.

3. Discussion on the type of questions to be set and date of submission of question papers.

All the members present in the meeting agreed that the paper setters should have to execute their maximum efforts in preparing question papers by setting the questions from each unit/module of the syllabus and MCQs should be set in an unambiguous way. During moderation the questions will be taken from both the sets to prepare the final set of moderated question papers. It was also resolved in the meeting that after moderation all the question papers should be submitted to the exam cell on or before 31st January, 2025.

4. Miscellaneous (if any)

There were no other issues to discuss, so the meeting was finally concluded with a vote of thanks by Dr. Pramiti Roy, Associate Professor,Head Department of Journalism & Mass Communication, Director, School of Humanities and Social Sciences, SVU.

Board of Studies Committee
School of Humanities and Social Sciences, Department of Journalism and Mass Communication

Agenda for the Meeting:

1. Finalisation of the National Education Policy framework for UG courses.
2. Finalisation of the draft syllabus following the NEP guidelines for the following UG Courses for the year 2023, 2024, 2025 batches and beyond.
    A. Bachelor of Journalism and Mass Communication **(BAJMC)**
3. Miscellaneous

Date: 18.06.2025
Time: 11:00 AM onwards.

Mode: Online

Meeting link (for online mode) : meet.google.com/ror-znmt-mhd

Sl.	Name & Affiliation	Capacity	Status
1	**Dr. Pramiti Roy** Associate Professor & Head Department of Journalism and Mass Communication Director, School of Humanities and Social Sciences Swami Vivekananda University	**Chairman**	Pramiti Roy
2	**Dr. Buroshiva Dasgupta** Professor School of Media and Communication Sister Nivedita University, Kolkata	External Expert from Academics	
3	**Dr. Manas Roy** Professor and former head Centre for Journalism and Mass Communication Visva-Bharati University	External Expert from Academics	
4	**Dr. Rajesh Das** Associate Professor Department of Mass Communication The University of Burdwan	External Expert from Academics	
5	**Dr. Moumita Chakraborty** Assistant Professor Department of Journalism and Mass Communication Swami Vivekananda University	Member	Moumita Chakraborty

Sl.	Name & Affiliation	Capacity	Signature
6	**Mr. Kishor Kumar Hira** Senior Graphics Instructor Department of Journalism and Mass Communication Swami Vivekananda University	Member	
7	**Ms. Pritha Misra** Teaching Assistant Department of Journalism and Mass Communication Swami Vivekananda University	Member	
8	**Mr. Arijit Das** Senior Technical Assistant and Branding & Placement Coordinator Department of Journalism and Mass Communication Swami Vivekananda University	Member	
9	**Mr. Sujoy Goswami** Senior Technical Officer Department of Journalism and Mass Communication Swami Vivekananda University	Member	

The meeting of the Board of Studies of the Department of Journalism and Mass Communication was held on 18th June 2025 in online mode to discuss the following agendas.

Dr. Pramiti Roy, Director of the Department of Journalism and Mass Communication, welcomed the members present at the meeting. Following this, the convener requested Mr. Kishor Kumar Hira, Senior Graphics Instructor, Department of Journalism and Mass Communication, SVU, to officially commence the meeting and initiate the agenda-wise discussions.

The following resolutions were adopted after detailed deliberation:

Agenda: I

Finalization of the National Education Policy (NEP) framework for UG courses:

The draft framework of Undergraduate Courses under the National Education Policy (NEP) 2020 guidelines was presented at the meeting. The subject selection pattern, coding system for each subject, and distribution of credit patterns were also put before the committee members for necessary discussion.

The committee found the framework to be conclusive in accordance with the guidelines of NEP 2020. After detailed discussion, the draft framework was unanimously accepted and approved by the committee.

Agenda: II

Finalization of the draft syllabus of BAJMC of the 2023, 2024, 2025 batch and beyond:

The convener of the meeting presented the detailed four-year draft syllabus for undergraduate courses, including Bachelors of Journalism and Mass Communication (BAJMC), in accordance with the National Education Policy (NEP) 2020 guidelines.

After detailed discussion and incorporating the necessary changes advised by the expert members, the draft syllabus for all the disciplines was unanimously accepted and approved by the committee. The committee also noted and approved the change in nomenclature of a few courses as suggested by the members.

Semester 1 - Change of the Subject Names from Software Training for Print Media to Basics of Print Media and Design.

Semester II- Change of the Subject Names from Software Training for Audio and Video Production to Basics of Graphic Design and Animation.

Semester III- A. Change of the Subject Names from PR and Corporate Communication to Public Relations and Corporate Communication.

B. Change of the Subject Names from Basics of Graphic Designing to Print Layout and Design.

SEMESTER V- Change of the Subject Names from Multimedia Journalism to Multimedia Production.

The committee praised the preparation of a robust syllabus that meets the needs of modern times.

Agenda: III

Miscellaneous:

As per valuable suggestions of the External Expert members, further the followings are unanimously resolved:

1. Emphasis should be placed on acquiring basic knowledge about Journalist/ Video Graph/ Photography/ - related subjects and their applications. Extensive technical sessions and orientation programs led by industry experts should be encouraged to minimize the knowledge gap.
2. Programs like as extra-curricular activities, particularly for the students.

3. Industrial training or apprenticeship is required for a couple of days or months for the Business Management students to equip them with industry exposures.

The meeting ended with a vote of thanks to the chair and other members.

Pramiti Roy

Dr. Pramiti Roy
Chairman, Board of Studies
Associate Professor
Head Department of Journalism and Mass Communication
Director, School of Humanities and Social Sciences
Swami Vivekananda University

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF ALLIED HEALTH SCIENCES
DEPARTMENT OF B.SC IN MEDICAL RADIOLOGY AND IMAGING TECHNOLOGY

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **Online (Google meet)**	Date:11/04/2023
Convenor: **Prof. (Dr.) Subrata Kumar Dey**	Start time:**12.00 pm**	End time: **2.00pm**
Meeting Mode: Offine	Venue: NND309	

Attendees
Prof. (Dr.) Subrata Kumar Dey (Chairman, BoS)
Dr. Goutam Das (External Expert from Academics)
Mr. Debangshu Bhowmik (External Expert from Industries)
Mr. Soumen Sar (External Expert from Industries)

Agenda

- Implementation of **Choice Based Credit System** in B.Sc In MRIT
- Introduction of New Coding Scheme implemented in all the B.Sc program.
- Introduction of New Value-Added Courses beyond the Course Curriculum
- Revision of the syllabus framed 2021(CBCS)
- Employability/Entrepreneurship/skill development centric curriculum Implementation.

Prof. (Dr.) Subrata Kumar Dey, Vice Chancellor, SVU, discussed the following agenda in presence of all the Board of Studies members.

Minutes of 2nd Board of Studies (BOS) Meeting

Agenda 1: Implementation of Choice Based Credit System in B.Sc (IN MRIT)

Proposition: The implementation of Choice Based Credit System (CBCS) in the curriculum is a transformative step towards enhancing the quality and relevance of higher education. By offering students' flexibility, choice, and interdisciplinary learning opportunities, CBCS empowers them to pursue their academic interests and career aspirations. Through effective planning, stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational ecosystem, ultimately benefiting students, faculty, and the society at large.
Resolution: The board unanimously agreed for the formation of the syllabus.

Agenda 2: Introduction of New Course Coding Scheme

Proposition: A new Course Coding Scheme is being introduced in the University for all programs to be followed from AY2023-24. The new Codes are embedded in the Course Structure.
Resolution: The Course Structure with new course codes was approved.

Agenda 3: Introduction of New Value-Added Courses beyond the Course Curriculum

Proposition: The introduction of value-added courses beyond the course curriculum presents an exciting opportunity to enrich the educational experience and enhance the employability of our students. By offering practical skills, industry insights, and hands-on experiences, these courses align our institution with the evolving needs of the workforce and contribute to the success and competitiveness of our students in their future careers. Through careful planning, collaboration, and evaluation, we can ensure the successful implementation and ongoing success of value-added audit courses at our institution.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 4: Revision of the syllabus framed 2022-23(CBCS)

Proposition: With due consideration the syllabus has been revised the GE baskets has been upgraded and approved by the committee members.
Resolution: The overall framework was highly appreciated believed by industry and academia.

Agenda 5: Employability/Entrepreneurship/skill development centric curriculum Implementation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on courses in focused on Employability/Entrepreneurship/skill development to enhance the possibility of developing entrepreneurship skills within students.
Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Attendance:

Member	***Signature***
Prof. (Dr.) Subrata Kumar Dey (Chairman, BoS)	
Dr. Goutam Das (External Expert from Academics)	
Mr. Debangshu Bhowmik (External Expert from Industries)	
Mr. Soumen Sar (External Expert from Industries)	

Date: 11/04/2023

Enclosure: Corrected Course Structure and Detailed syllabus

SWAMI VIVEKANANDA UNIVERSITY

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DEPARTMENT OF B.SC IN MEDICAL RADIOLOGY & IMAGING TECHNOLOGY

Meeting Details		
Meeting Name: Board of Studies	**Venue: NND309**	**Date: 20/06/2024**
Convenor: Prof. (Dr.) Subrata Kumar Dey	**Start time: 12.00 p.m**	**End time: 2.30 p.m**
Meeting Mode: Offline	**Venue: NND309**	

Attendees
Prof. (Dr.) Subrata Kumar Dey (Chairman, BOS)
Dr. Goutam Das (External Expert from Academics)
Mr. Debangshu Bhowmick (External Expert from Industries)
Mr. Soumen Sar (External Expert from Industries)

Agenda
➢ Implementation of Choice Based Credit System in B.Sc in MRIT
➢ Introduction of new coding scheme implemented in all the B.Sc program
➢ Introduction of new value added course beyond the course curriculum
➢ Revision of the syllabus framed 2023 (CBCS)
➢ Employ-ability/Entrepreneurship/Skill development centric curriculum implementation.

Prof. (Dr.) Subrata Kumar Dey, Vice Chancellor of SVU, discussed the above agenda in the presence of all the Board of Studies members.

Minutes of 4th Board of Studies (BOS) Meeting:

Agenda 1: Implementation of the Choice Based Credit System (CBCS) in B.Sc (Medical Laboratory Technology)

Proposition:
The implementation of the Choice Based Credit System (CBCS) in the curriculum is a transformative step toward enhancing the quality and relevance of higher education. By offering students greater flexibility, a range of choices, and opportunities for interdisciplinary learning, CBCS empowers them to pursue their academic interests and career aspirations. With effective planning, active stakeholder engagement, and continuous evaluation, we can ensure the successful adoption and integration of CBCS into the educational framework, ultimately benefiting students, faculty, and society as a whole.

Resolution:
The Board unanimously agreed to proceed with the formation of the syllabus.

Agenda 2: Introduction of New Course Coding Scheme

Proposition: A new Course Coding Scheme is being introduced in the University for all programs to be followed from AY2021022. The new Codes are embedded in the Course Structure.

Resolution: The Course Structure with new course codes was approved.

Agenda 3: Introduction of New Value added Course beyond the Course Curriculum

Proposition: The introduction of value added course beyond the course curriculum presents an exciting opportunity to enrich the educational experience and enhance the employ-ability of our students. By offering practical skills, industry insights and hands-on experiences, these courses align our institution with the evolving needs of the workforce and contribute to the success and competitiveness of our students in their future careers. Through careful planning, collaboration and evaluation, we can ensure the successful implementation and ongoing success of value-added course at our institution.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

Agenda 4: Revision of the syllabus framed 2023 (CBCS)

Proposition: With due consideration the syllabus has not required any such changes as it remains up to the mark with current trend.

Resolution: The overall framework was highly appreciated believed by industry and academia.

Agenda 5: Employability/Entrepreneurship/Skill development certric curriculum implementation.

Proposition: With due consideration of the shrinking job market, the Department proposed to offer add-on course in focused on Employ-ability/Entrepreneurship/Skill development to enhance the possibility of developing entrepreneurship skills for students.

Resolution: The overall framework was highly appreciated form industry perspective. The board gave a go ahead to design the detail syllabus.

ATTENDANCE:

Member	Signature
Prof. (Dr.) Subrata Kumar Dey (Chairman, BOS)	
Dr. Goutam Das (External Expert from Academics)	Goutam Das.
Mr. Debangshu Bhowmick (External Expert from Industries)	Debangshu Bhowmick
Mr. Soumen Sar (External Expert from Industries)	Soumen Sar

Date: 20/06/2024

Enclosure: Corrected Course Structure and Detailed syllabus

Forwarded to the Honourable Vice Chancellor.

SWAMI VIVEKANANDA UNIVERSITY
SCHOOL OF HUMANITIES & SOCIAL SCIENCES

DEPARTMENT OF EDUCATION

Meeting Details		
Meeting Name: **Board of Studies**	Venue: **NND Block, Room No.309**	Date:**07/04/2023**
Convenor: **Dr. Pinak Pani Nath**	Start time:**11:00 AM**	End time:**2:00 PM**

Attendees
Prof. (Dr.) Subrata Kumar Dey (Chairman, BoS)
Dr. Pinak Pani Nath (Convenor, BoS)
Prof. (Dr.) Jayanta Mete (External Expert from Academics)
Prof. (Dr.) Mita Banerjee (External Expert from Academics)
Dr. Parimal Sarkar (External Expert from Academics)

Agenda
❖ Finalization of two years M.A. in Education curriculum. ❖ Introduction of New Course Coding Scheme

Dr. Pinak Pani Nath, Registrar, Swami Vivekananda University, discussed the following agenda in presence of all the Board of Studies members.

Minutes of Board of Studies (BOS) Meeting

Agenda 1: Finalization of two years M.A in Education curriculum.

Proposition: Several portions were added on the advice of the external members to finalize the two years M.A in Education syllabus to be followed from AY2023-2024.
Resolution: The overall framework along with the detailed syllabus was designed and approved.

Agenda 2: Introduction of New Course Coding Scheme

Propositions: A new Course Coding Scheme is being introduced in the University for all programs to be followed from AY2023-24. The new Codes are embedded in the Course Structure.

Resolution: The Course Structure with new course codes were approved.

Registrar
Swami Vivekananda University

Prepared By

Dr. Pinak Pani Nath

Registrar, Swami Vivekananda University

Attendance:

Member	***Signature***
Prof. (Dr.) Jayanta Mete	PROFESSOR Department of Education University of Kalyani Kalyani, Nadia, WB-741235
Prof. Dr. Mita Banerjee.	MBanerjee.
Dr. Parimal Sarkar	Assistant Professor School of Education Netaji Subhas Open University Kalyani Campus

Date: 07/04/2023

Enclosure: Corrected Course Structure and Detailed Syllabus

Minutes of the Board of Studies Meeting of the Department of Education on February 18th, 2025, regarding the Term End Examination, 2025

Date: 18.02.2025
Time: 02.00 PM
Venue: Annex, 101
Agenda of the meeting:

• Finalization of the names of external moderators for Term-End Examination of the odd semester 2025.

Minutes of the Meeting:

The meeting was presided over by the Head of the Department, who started off by outlining the agenda. The chairman recommended eight names for potential external moderators, which are as follows:

Dr. Aniruddha Saha
Assistant Professor, Department of Education, Asannagar MMT College

Dr. Bijoy Krishna Panda
Assistant Professor, Department of Education, Jadavpur University

Dr. Abhijit Banerjee
Assistant Professor, Dept. of Bengali, Diamond Harbour Women's University

Dr.Manajat Ali Biswas
Assistant Professor, Dept. of Education, Gobardanga Hindu College

Dr. Manikanta Paria
Assistant Professor, Department of Education, Jadavpur University

Dr. Bikash Shaw
Assistant Professor,Department of Hindi,Pandaveswar College

Dr. Pranay Pandey
Assistant Professor, Department of education, Bhatter College

Dr. Nabin Thakur
Assistant Professor, Department of education, St. Xavier's College

Amongst them, following four members were chosen by the external members based on their subject specialization and expertise:

Dr. Aniruddha Saha
Assistant Professor, Department of Education, Asannagar MMT College

Dr.ManikantaParia
Assistant Professor, Department of Education, Jadavpur University

Dr. Abhijit Banerjee
Assistant Professor, Dept. of Bengali, Diamond Harbour Women's University

Dr. Bikash Shaw
Assistant Professor, Department of Hindi, Pandaveswar College

Dr. Pranay Pandey
Assistant Professor, Department of education, Bhatter College

Dr. Nabin Thakur
Assistant Professor, Department of education, St. Xavier's College

After a thorough discussion with all the members of the department, and the externalmembers, the subject-wise moderators (both external and internal) and scrutineers were finalized for the smooth conduction of thequestion paper-making and evaluation process. (attached herewith)

After the fruitful discussion, the meeting ended with a vote of thanks to all.

Members present

Sl No.	Name	Designation	Signature
1	Prof. (Dr.) Debbrata Debnath Professor, Dept. of Education University of Gour Banga	External Member	Prof. (Dr.) Debbrata Debnath Professor Department of Education University of Gour Banga Malda, West Ben
2	Prof. (Dr.) Dibyendu Bhattacharyya Professor, Dept. of Education University of Kalyani	External Member	Prof. (Dr.) Dibyendu Bhattacharyya Department of Education Kalyani, Nadia, W.B.
3	Dr. Parimal Sarkar Assistant Professor School of Education NetajiSubash Open University	External Member	Parimal Sarkar
4	Dr. Liton Mallick, Assistant Professor and Head, Department of Education, SVU	Chairman	Liton Mallick.
5	Dr. Rumti Das Assistant Professor Department of Education, SVU	Convener	Rumti Das
6	Dr. Amitava Bhowmick Assistant Professor Department of Education, SVU	Member	Amitava Bhowmick
7	Dr.Jayati Maiti Assistant Professor Department of Education, SVU	Member	Jayati Maiti
8	Dr.Kajal Das Assistant Professor Department of Education, SVU	Member	Kajal Das
9	Dr.Chattu Mondal Assistant Professor Department of Education, SVU	Member	Chattu Mondal

Minutes of the Meeting

Meeting of the Board of Studies (BOS) of the Department of Animation and Multimedia

Date: 10th January, 2024

Time: 04:00 pm.

Venue: NND 211

Attendees: The following members were present at the meeting: -

S. No	Name	Affiliation
1.	Dr. Buroshiva Dasgupta Professor, Adviser, School of Mass Communication, Fine Arts, Design , Performing Arts, SNU	External Member, BOS
2.	Mr. Krishnendu Das Assistant Professor, department of journalism and Mass communication, SNU	External Member, BOS
3.	Mr. Anirban Pal Assistant Professor, Department of Multimedia, St Xavier's College, kolkata	External Member, BOS
4.	Mr.Goutam Banerjee, Assistant Professor and Head of the Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
5.	Sourav Saha Assistant Professor and Deputy Controller of Examinations, Swami Vivekananda University	Internal Member, BOS

	Souvik Chakraborty,Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
6.	Aminur Rahaman, Teaching Assistant, Swami Vivekananda University	Invitee Member
7.	Tamash Saha, Teaching Assistant, Swami Vivekananda University	Invitee Member

Agenda Item No. 1: Finalization of Syllabus of B.Sc.(MA) – Hons. 2023

Resolution 1: Syllabus of B.Sc.(MA) – Hons. 2023. The syllabus was reflected through the following Courses:

SEMESTER-II						
Sl. No	**Course Code**	**Course Name**	**Course Type**	**L – T – P**	**Credits**	**Total Marks**
1	BSMA2012	Digital Design Mastery	Major(CC-2)	3 – 0 - 2	4	100
2	BSMA2022	Photography and Photo compositing	Minor	3 – 0 - 2	4	100
3	BSMA2032	Advanced Digital Illustrations	MC	2 – 0 - 2	3	100
4	BSMA2052	Communicative English-II	AEC	2 – 0 - 0	2	50
5	AEC2042	MIL- HINDI / BENGALI	AEC			
6	VAC2062	Environmental Science – II AND DIGITAL TRANSFORMATIONS	VAC	4 – 0 - 0	4	100
TOTAL					**20**	**550**

Following detailed discussions on the content it was approved unanimously.

Agenda Item No. 2: Miscellaneous issues

1. A Certificate course on Photography was proposed. It was approved for implementation.
2. The upcoming Workshops / Webinars were placed for approval.
3. The Syllabus of the Bridge course – a 30 Hours course to be given to the new students at the time of Induction for grooming them for the Programme was placed for approval.

Minutes of the Meeting

Meeting of the Board of Studies (BOS) of the Department of Animation and Multimedia

Date: 20th April, 2024

Time: 04:00 pm.

Venue: NND 211

Attendees: The following members were present at the meeting: -

S. No	Name	Affiliation
1.	Dr. Buroshiva Dasgupta Professor, Adviser, School of Mass Communication, Fine Arts, Design , Performing Arts, SNU	External Member, BOS
2.	Mr. Krishnendu Das Assistant Professor, department of journalism and Mass communication, SNU	External Member, BOS
3.	Mr. Anirban Pal Assistant Professor, Department of Multimedia, St Xavier's College, kolkata	External Member, BOS
4.	Mr.Goutam Banerjee, Assistant Professor and Head of the Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
5.	Sourav Saha Assistant Professor and Deputy Controller of Examinations, Swami Vivekananda University	Internal Member, BOS

	Souvik Chakraborty,Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
6.	Aminur Rahaman, Teaching Assistant, Swami Vivekananda University	Invitee Member
7.	Tamash Saha, Teaching Assistant, Swami Vivekananda University	Invitee Member
8.	Jayanta Roy, Teaching Assistant, Swami Vivekananda University	Invitee Member
9.	Subhojit Nath, Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Invitee Member

Agenda Item No. 1: Finalization of Syllabus of B.Sc. (MA) – Hons. 2023, SEMESTER-III, and Finalization of Syllabus of B.Sc.(MA) – Hons. 2024, and Syllabus of Msc.(MA).2024 SEMESTER-I

Resolution 1: Syllabus of B.Sc.(MA) – Hons. 2023, SEMESTER-III, B.Sc.(MA) – Hons. 2024 , Msc.(MA).2024 SEMESTER-I, The syllabus was reflected through the following Courses:

Bachelor of Science (Honours) in Multimedia and Animation – 2023 SEMESTER-III						
Sl. No	**Course Code**	**Course Name**	**Course Type**	**L – T – P**	**Credits**	**Total Marks**
1	BSMA3013	Mastering 2D Animation Techniques	Major(CC-3)	3 – 0 - 0	3	100
		Mastering 2D Animation Techniques Lab	Major(CC-4)	0 – 0 - 2	1	
2	BSMA3023	Mastering the Art of Audio and Video	Major(CC -4)	3 – 0 - 0	3	100
		Mastering the Art of Audio and Video Lab	Major(CC -4)	0 – 0 - 2	1	
3	BSMA3033	Advanced Photography and Photo compositing	Minor	3 – 0 - 0	3	100
		Advanced Photography and Photo Compositing Lab	Minor	0 – 0 – 2	1	
4	BSMA3043	Web design -II	Inter-disc.	2 – 0 - 0	2	75
		Web design Lab-II	Inter-disc.	0 – 0 - 2	1	
5	AEC3053	Communicative English-II	AEC	2 – 0 - 0	2	75
6	BSMA3063	Storytelling and Storyboard	SEC	2 – 0 - 0	2	50
		Storytelling and Storyboard Lab	SEC	0 – 0 - 2	1	
TOTAL					**20**	**500**

Bachelor of Science (Honours) in Multimedia and Animation – 2024 SEMESTER-I					
Course Code	**Course Name**	**CourseType**	**L - T - P**	**Credits**	**Total Marks**
BSMA1011	Mastering Illustrations and Digital Media	Major (CC-1)	3 - 0 – 0	3	100
	Mastering Illustrations and Digital Media lab	Major (CC-1)	0 - 0 – 2	1	
BSMA1021	Drawing for Animations	Minor	3 – 0 – 0	3	100
	Drawing for Animations lab	Minor	0 – 0 – 2	1	
BSMA1031	Introduction to IT System	Inter-disc.	2 - 0 - 0	2	100
	Introduction to IT System Lab	Inter-disc.	0 - 0 - 2	1	
AEC1041	Communicative English-I	AEC (L1-1)	2 - 0 – 0	2	50
SEC1051	Photography and Photo compositing	SEC	2- 0- 0	2	100
	Photography and Photo Compositing Lab	SEC	0- 0- 2	1	
VAC1061	Environmental Science- I and Understanding India	CVAC	4-0-0	4	100
Total				**20**	**550**

Master of Science in Multimedia and Animation – 2024 **SEMESTER-I**						
Sl. No	**Course Code**	**Course Name**	**Course Type**	**L – T – P**	**Credits**	**Total Marks**
1	MSMA101	**Creative Design and Processes**	Major	3 – 0 - 0	3	200
	MSMA191	**Creative Design and Processes Lab**	Major	0 – 0 - 4	2	
2	MSMA192	**Digital Drawing for Animations Lab**	Major	0 – 0 - 4	2	100
3	MSMA103	**Advanced Photography and Photo compositing**	Major	2 – 0 - 0	2	200
	MSMA193	**Advanced Photography and Photo Compositing Lab**	Major	0 – 0 - 4	2	
4	MSMA104	**Graphic Design and Print**	Major	3 – 0 - 0	3	200
	MSMA194	**Graphic Design and Print Lab**	Major	0 – 0 - 4	2	
5	MSMA105	**Responsive and UX/UI Design – I**	Minor	2 – 0 - 0	2	200
	MSMA195	**Responsive and UX/UI Design Lab – I**	Minor	0 – 0 – 4	2	
TOTAL					**20**	**900**

Following detailed discussions on the content it was approved unanimously.

Agenda Item No. 2: Miscellaneous issues

1. A Certificate course on Photography was proposed. It was approved for implementation.
2. The upcoming Workshops / Webinars were placed for approval.

Minutes of the Meeting

Meeting of the Board of Studies (BOS) of the Department of Animation and Multimedia

Date: 10th January, 2025

Time: 04:00 pm.

Venue: BNB 211

Attendees: The following members were present at the meeting: -

S. No	Name	Affiliation
1.	Dr. Buroshiva Dasgupta Professor, Adviser, School of Mass Communication, Fine Arts, Design , Performing Arts, SNU	External Member, BOS
2.	Mr. Krishnendu Das Assistant Professor, department of journalism and Mass communication, SNU	External Member, BOS
3.	Mr. Anirban Pal Assistant Professor, Department of Multimedia, St Xavier's College, kolkata	External Member, BOS
4.	Mr.Goutam Banerjee, Assistant Professor and Head of the Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
5.	Sourav Saha Assistant Professor and Deputy Controller of Examinations, Swami Vivekananda University	Internal Member, BOS

	Souvik Chakraborty,Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
6.	Aminur Rahaman, Teaching Assistant, Swami Vivekananda University	Invitee Member
7.	Tamash Saha, Teaching Assistant, Swami Vivekananda University	Invitee Member

Agenda Item No. 1: Finalization of Syllabus of B.Sc.(MA) – Hons. 2024

Resolution 1: Syllabus of B.Sc.(MA) – Hons. 2024. The syllabus was reflected through the following Courses:

SEMESTER-II						
Sl. No	**Course Code**	**Course Name**	**Course Type**	**L – T – P**	**Credits**	**Total Marks**
1	BSMA2012	Digital Design Mastery	Major(CC-2)	3 – 0 - 2	4	100
2	BSMA2022	Photography and Photo compositing	Minor	3 – 0 - 2	4	100
3	BSMA2032	Advanced Digital Illustrations	MC	2 – 0 - 2	3	100
4	BSMA2052	Communicative English-II	AEC	2 – 0 - 0	2	50
5	AEC2042	MIL- HINDI / BENGALI	AEC			
6	VAC2062	Environmental Science – II AND DIGITAL TRANSFORMATIONS	VAC	4 – 0 - 0	4	100
TOTAL					**20**	**550**

Following detailed discussions on the content it was approved unanimously.

Agenda Item No. 2: As per the discussion in the previously held DAC meeting for the Graphics Lab preparation for the Multimedia and Animation department we need to build the computer lab for Graphics and animation purchase some software like Adobe creative cloud and some other lab essentials.

Agenda Item No. 3: Miscellaneous issues

1. A Certificate course on Photography was proposed. It was approved for implementation.
2. The upcoming Workshops / Webinars were placed for approval.
3. The Syllabus of the Bridge course – a 30 Hours course to be given to the new students at the time of Induction for grooming them for the Programme was placed for approval.

Minutes of the Meeting

Meeting of the Board of Studies (BOS) of the Department of Animation and Multimedia

Date: 20th April, 2025

Time: 04:00 pm.

Venue: JCB 306

Attendees: The following members were present at the meeting: -

S. No	Name	Affiliation
1.	Dr. Buroshiva Dasgupta Professor, Adviser, School of Mass Communication, Fine Arts, Design , Performing Arts, SNU	External Member, BOS
2.	Mr. Krishnendu Das Assistant Professor, department of journalism and Mass communication, SNU	External Member, BOS
3.	Mr. Anirban Pal Assistant Professor, Department of Multimedia, St Xavier's College, kolkata	External Member, BOS
4.	Mr.Goutam Banerjee, Assistant Professor and Head of the Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
5.	Sourav Saha Assistant Professor and Deputy Controller of Examinations, Swami Vivekananda University	Internal Member, BOS

	Souvik Chakraborty,Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Internal Member, BOS
6.	Aminur Rahaman, Teaching Assistant, Swami Vivekananda University	Invitee Member
7.	Tamash Saha, Teaching Assistant, Swami Vivekananda University	Invitee Member
8.	Jayanta Roy, Teaching Assistant, Swami Vivekananda University	Invitee Member
9.	Subhojit Nath, Assistant Professor, Animation and Multimedia Department, Swami Vivekananda University	Invitee Member

Agenda Item No. 1: Finalization of Syllabus of B.Sc. (MA) – Hons. 2024, SEMESTER-III, and Finalization of Syllabus of B.Sc.(MA) – Hons. 2025, and Syllabus of Msc.(MA).2025 SEMESTER-I

Resolution 1: Syllabus of B.Sc.(MA) – Hons. 2023, SEMESTER-III, B.Sc.(MA) – Hons. 2024 , Msc.(MA).2024 SEMESTER-I, The syllabus was reflected through the following Courses:

Bachelor of Science (Honours) in Multimedia and Animation – 2025
SEMESTER-I

Course Code	Course Name	CourseType	L - T - P	Credits	Total Marks
BSMA1011	Mastering Illustrations and Digital Media	Major (CC-1)	3 - 0 – 0	3	100
	Mastering Illustrations and Digital Media lab	Major (CC-1)	0 - 0 – 2	1	
BSMA1021	Drawing for Animations	Minor	3 – 0 – 0	3	100
	Drawing for Animations lab	Minor	0 – 0 – 2	1	
BSMA1031	Introduction to IT System	Inter-disc.	2 - 0 - 0	2	100
	Introduction to IT System Lab	Inter-disc.	0 - 0 - 2	1	
AEC1041	Communicative English-I	AEC (L1-1)	2 - 0 – 0	2	50
SEC1051	Photography and Photo compositing	SEC	2- 0- 0	2	100
	Photography and Photo Compositing Lab	SEC	0- 0- 2	1	
VAC1061	Environmental Science- I and Understanding India	CVAC	4-0-0	4	100

Total					20	550

Bachelor of Science (Honours) in Multimedia and Animation – 2024
SEMESTER-III

Sl. No	Course Code	Course Name	Course Type	L–T–P	Credits	Total Marks
1	BSMA3013	Mastering 2D Animation Techniques	Major(CC-3)	3–0-0	3	100
		Mastering 2D Animation Techniques Lab	Major(CC-4)	0–0-2	1	
2	BSMA3023	Mastering the Art of Audio and Video	Major(CC-4)	3–0-0	3	100
		Mastering the Art of Audio and Video Lab	Major(CC-4)	0–0-2	1	
3	BSMA3033	Advanced Photography and Photo compositing	Minor	3–0-0	3	100
		Advanced Photography and Photo Compositing Lab	Minor	0–0–2	1	
4	BSMA3043	Web design -II	Inter-disc.	2–0-0	2	75
		Web design Lab-II	Inter-disc.	0–0-2	1	
5	AEC3053	Communicative English-II	AEC	2–0-0	2	75

6	BSMA3063	Storytelling and Storyboard	SEC	2–0-0	2	50
		Storytelling and Storyboard Lab	SEC	0–0-2	1	
TOTAL					**20**	**500**

Following detailed discussions on the content it was approved unanimously.

Agenda Item No. 2: Even semester question paper
Approved the Paper Setter and Moderator, Internal Examiner, Scrutiniser of Even Semster exam question paper.

Agenda Item No. 3: Miscellaneous issues

1. A Certificate course on Photography was proposed. It was approved for implementation.
2. The upcoming Workshops / Webinars were placed for approval.

Master of Science in Multimedia and Animation – 2025 **SEMESTER-I**						
Sl. No	**Course Code**	**Course Name**	**Course Type**	**L – T – P**	**Credits**	**Total Marks**
1	MSMA101	**Creative Design and Processes**	Major	3 – 0 - 0	3	200
	MSMA191	**Creative Design and Processes Lab**	Major	0 – 0 - 4	2	
2	MSMA192	**Digital Drawing for Animations Lab**	Major	0 – 0 - 4	2	100
3	MSMA103	**Advanced Photography and Photo compositing**	Major	2 – 0 - 0	2	200
	MSMA193	**Advanced Photography and Photo Compositing Lab**	Major	0 – 0 - 4	2	
4	MSMA104	**Graphic Design and Print**	Major	3 – 0 - 0	3	200
	MSMA194	**Graphic Design and Print Lab**	Major	0 – 0 - 4	2	
5	MSMA105	**Responsive and UX/UI Design – I**	Minor	2 – 0 - 0	2	200
	MSMA195	**Responsive and UX/UI Design Lab – I**	Minor	0 – 0 – 4	2	
TOTAL					**20**	**900**

Following detailed discussions on the content it was approved unanimously.

Agenda Item No. 2: Miscellaneous issues

3. A Certificate course on Photography was proposed. It was approved for implementation.
4. The upcoming Workshops / Webinars were placed for approval.

Minutes of the Board of Studies Meeting of the School of Management on November 3rd, 2023, via online mode regarding the following agenda:

Agenda of BOS meeting:

1. Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as National Education Policy (NEP), 2020 guidelines.
2. Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination.
3. Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination.
4. Miscellaneous

Meeting Link: https://meet.google.com/uaj-vkqy-pde

Date: 03-11-2023

Time: 02:00 pm

Prof. (Dr.) Kallal Banerjee, *Director*, School of Management, has requested to preside over the meeting and hold the chair. To start with, Mr. Soumen Nath, convener welcomed the presented members and officially commended the meeting for agenda wise discussion.

The following resolutions were adopted after detail deliberation:

Agenda-1

Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as per National Education Policy(NEP), 2020 guidelines:

Convenor of the meeting put the detailed four years draft syllabus of Under Graduate courses vide Bachelor of Business Administration (BBA), Bachelor of Business Administration in Digital Marketing (BBA DM), Bachelor of Business Administration in Hospital Management (BBA HM) and Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA) as per National Education Policy(NEP), 2020 guidelines.

Convenor also described the subject selection pattern, coding system of each subjects and distribution of credit pattern before the committee members.

After detailed discussion and incorporating necessary changes, as advised by the expert members, the Draft syllabus of all the disciplines has been unanimously accepted and approved as well by the committee. The committee has praise for preparing the robust syllabus as per the need of the modern times. (Annex-I)

Agenda-2

Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee. (Annex-II)

Agenda-3

Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee.

Agenda-4

Miscellaneous:

As per valuable suggestions of the External Expert members, further the followings are unanimously resolved:

1. Thrust should be given to basic knowledge about the Hospital Management related subjects and their applications. Extensive technical sessions and orientation programs by the Industry Experts are need to encouraged to minimize the knowledge gap.

2. Programs like CPR, NABH, and NABL need to be incorporated as extra-curricular activities, particularly for the Hospital Management Students.

3. Industrial training or apprenticeship is required for a couple of days or months for the Business Management students to equip them with industry exposures.

The meeting ended with a vote of thanks to the chair and other members.

Minutes taken by,

Soumen Nath

Mr. Soumen Nath
Convenor - Board of Studies
School of Management

Kallal Banerjee

Prof. (Dr.) Kallal Banerjee
Chairman - Board of Studies
School of Management

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd
Bara Kanthalia, West Bengal - 700121

Board of Studies Committee
School of Management
Meeting dated November 3rd, 2023

Agenda of BOS meeting:

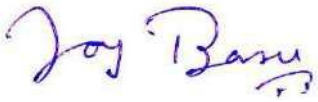
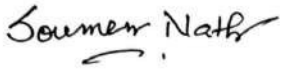
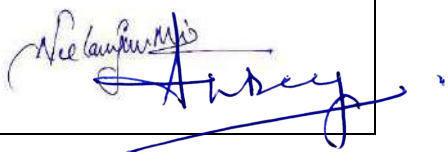
1. Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as National Education Policy (NEP), 2020 guidelines.

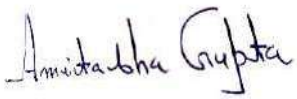
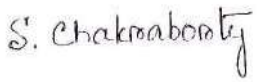
2. Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023.

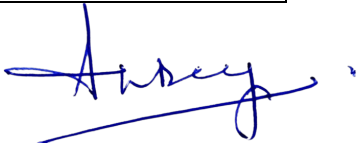
3. Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination, 2023.

4. Miscellaneous

Sl. No.	Names	Signature
1.	Prof. (Dr.) Kallal Banerjee Director, School of Management, SVU Chairman	Kallal Banerjee
2.	Prof. (Dr.) Shantanu Chakraborty Director (R & D), School of Management, SVU Member	
3.	Prof. (Dr.) Somsubhra Gupta Dean Science, SVU Invited Member	Gupta
4.	Prof. (Dr.) Kaushik Kundu, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 (External Expert from Academia)	Kaushik Kundu

Sl. No.	Names	Signature
5.	Prof. (Dr.) Arup Kumar Baksi, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 (External Expert from Academia)	
6.	Dr. Gargi Lahiri Associate Professor, Department of Hospital Management Sister Nivedita University, New Town, West Bengal 700156 (External Expert from Academia)	
7.	Dr. Joy Basu Vice President, Apollo Hospitals (External Expert from Industry)	
8.	Dr. Nibedita Debbarma Chatterjee Ex. Senior Vice President ILS Hospitals (External Expert from Industry)	
9.	Mr. Dhrubajyoti Majumder Regional Manager-HR East, L&T Constructions (External Expert from Industry)	
10.	Mr. Soumen Nath Assistant Professor and Head Department of Hospital Management, SVU Convenor	
11.	Dr. Anirban Hazra Assistant Professor and Head Department of Business Management, SVU Co-Convenor	
12.	Mr. Neelanjan Mitra Assistant Professor, School of Management, SVU Member	

Sl. No.	Names	Signature
13.	Mr. Shafique Ahmed Assistant Professor, School of Management, SVU Member	
14.	Mr. Amitabha Gupta Assistant Professor, School of Management, SVU Member	
15.	Dr. Mainak Chakraborty Associate Professor, School of Management, SVU Member	
16.	Dr. Sanjay Bhattacharjee Associate Professor, School of Management, SVU Member	
17.	Mr. Sourav Chatterjee Assistant Professor, School of Management, SVU Member	
18.	Dr. Tridib Kumar Chatterjee Professor of Practice, School of Management, SVU Member	
19.	Ms. Arpita das Assistant Professor, School of Management, SVU Member	
20.	Ms. Shivani Hazra Assistant Professor, School of Management, SVU Member	
21.	Ms. Soumi Chakraborty Assistant Professor, School of Management, SVU Member	



Sl. No.	Names	Signature
22.	Mr. Ayanangshu Mondal Assistant Professor, School of Management, SVU Member	
23.	Mr. Jeet Goswami Assistant Professor, School of Management, SVU Member	

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration (BBA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBA1021	Minor Elective	Financial Accounting	3-1-0	4	60	40	100
BBA1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBA1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA2011	Major Course	Organizational Behaviour	3-1-0	4	60	40	100
BBA2021	Minor Elective	Fundamental of Marketing Management	3-1-0	4	60	40	100
BBA2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBA2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBA2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBA3012	Major Course	Consumer Behaviour	3-1-0	4	60	40	100
BBA3021	Minor Elective	Business Law	3-1-0	4	60	40	100
BBA3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBA3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBA4012	Major Course	Production & Operation Management	3-1-0	4	60	40	100
BBA4013	Major Course	Introduction to Business Analytics	3-1-0	4	60	40	100
BBA4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBA4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBA4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA5011	Major Course	Supply Chain & Logistic Management	3-1-0	4	60	40	100
BBA5012	Major Course	Compensation Management	3-1-0	4	60	40	100
BBA5013	Major Course	Strategic Management	3-1-0	4	60	40	100
BBA5014	Major Course	Indian Financial System	3-1-0	4	60	40	100
BBA5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBA6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBA6013	Major Course	Investment Analysis and Portfolio Management	3-1-0	4	60	40	100
BBA6014	Major Course	International Business Strategies	3-1-0	4	60	40	100
BBA6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA7011	Major Course	Digital & Social Media Marketing or HR Analytics or Direct & Indirect Taxation	3-1-0	4	60	40	100
BBA7012	Major Course	Brand Management or Human Resource Development or Financial Derivatives & Risk Management	3-1-0	4	60	40	100
BBA7013	Major Course	Service Marketing or Industrial Relation & Labour Laws or Financial Markets & Services	3-1-0	4	60	40	100
BBA7014	Major Course	Marketing Strategy and Planning or Strategic HRM or Corporate Accounting	3-1-0	4	60	40	100
BBA7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBA8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Digital Marketing (BBA DM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBADM1021	Minor Elective	Financial Accounting	3-1-0	4	60	40	100
BBADM1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBADM1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBADM2021	Minor Elective	Fundamental of Marketing Management	3-1-0	4	60	40	100
BBADM2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBADM2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBADM2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBADM3012	Major Course	Consumer Behaviour	3-1-0	4	60	40	100
BBADM3021	Minor Elective	Digital Media Laws	3-1-0	4	60	40	100
BBADM3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBADM3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBADM4012	Major Course	Understanding Digital Marketing	3-1-0	4	60	40	100
BBADM4013	Major Course	Introduction to Business Analytics	3-1-0	4	60	40	100
BBADM4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBADM4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBADM4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM5011	Major Course	Affiliate Marketing	3-1-0	4	60	40	100
BBADM5012	Major Course	Compensation Management	3-1-0	4	60	40	100
BBADM5013	Major Course	Strategic Management	3-1-0	4	60	40	100
BBADM5014	Major Course	Search Engine Optimization	3-1-0	4	60	40	100
BBADM5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBADM6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBADM6013	Major Course	Social Media Marketing	3-1-0	4	60	40	100
BBADM6014	Major Course	International Business Strategies	3-1-0	4	60	40	100
BBADM6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM7011	Major Course	Mobile & e-mail marketing	3-1-0	4	60	40	100
BBADM7012	Major Course	Social Media Analytics	3-1-0	4	60	40	100
BBADM7013	Major Course	Customer Relationship Management	3-1-0	4	60	40	100
BBADM7014	Major Course	Google Ad words and PPC Advertising	3-1-0	4	60	40	100
BBADM7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBADM8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBADM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBAHHA1021	Minor Elective	Basic Front Office Operation	3-1-0	4	60	40	100
BBAHHA1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBAHHA1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBAHHA2021	Minor Elective	Basic Food Production	3-1-0	4	60	40	100
BBAHHA2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBAHHA2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBAHHA2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBAHHA3012	Major Course	Advance Food Production	2-1-1	4	60	40	100
BBAHHA3021	Minor Elective	Basic Food and Beverage Services	2-1-1	4	60	40	100
BBAHHA3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBAHHA3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBAHHA4012	Major Course	Accommodation Operation	2-1-1	4	60	40	100
BBAHHA4013	Major Course	Food and Nutrition	3-1-0	4	60	40	100
BBAHHA4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBAHHA4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBAHHA4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA5011	Major Course	Restaurant Service & Bar Management	2-1-1	4	60	40	100
BBAHHA5012	Major Course	Fundamentals of Bakery	2-1-1	4	60	40	100
BBAHHA5013	Major Course	Housekeeping & Laundry Management	2-1-1	4	60	40	100
BBAHHA5014	Major Course	Advance Front Office Management	3-1-0	4	60	40	100
BBAHHA5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBAHHA6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBAHHA6013	Major Course	Tourism and Travel Management	3-1-0	4	60	40	100
BBAHHA6014	Major Course	Food and Beverage Management	2-1-1	4	60	40	100
BBAHHA6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA7011	Major Course	International Cuisine	2-1-1	4	60	40	100
BBAHHA7012	Major Course	Spirits & World of Wine	2-1-1	4	60	40	100
BBAHHA7013	Major Course	Customer Relationship Management	3-1-0	4	60	40	100
BBAHHA7014	Major Course	Hotel Engineering	3-1-0	4	60	40	100
BBAHHA7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII							
Subject Code	**Subject Category**	**Subject Name**	**Teaching Hours per Week (L-T-P)**	**Total Credit**	**SEE**	**CIE**	**Total Marks**
BBAHHA8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBAHHA8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBAHHA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hospital Management (BBA HM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBAHM1021	Minor Elective	Hospital & Health Care System	3-1-0	4	60	40	100
BBAHM1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBAHM1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBAHM2021	Minor Elective	Basic Medical Terminology	3-1-0	4	60	40	100
BBAHM2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBAHM2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBAHM2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM3011	Major Course	Hospital Financial Management	3-1-0	4	60	40	100
BBAHM3012	Major Course	Medical Record Science - I	3-1-0	4	60	40	100
BBAHM3021	Minor Elective	Hospital Operation Management - I	3-1-0	4	60	40	100
BBAHM3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBAHM3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBAHM4012	Major Course	Hospital Operation Management - II	3-1-0	4	60	40	100
BBAHM4013	Major Course	Medical Record Science - II	3-1-0	4	60	40	100
BBAHM4014	Major Course	Support & Utility Services - I	3-1-0	4	60	40	100
BBAHM4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBAHM4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM5011	Major Course	Hospital Accounting System	3-1-0	4	60	40	100
BBAHM5012	Major Course	Epidemiology & Analysis of Health Information Data	3-1-0	4	60	40	100
BBAHM5013	Major Course	Support & Utility Services - II	3-1-0	4	60	40	100
BBAHM5014	Major Course	Quality in Health Care	3-1-0	4	60	40	100
BBAHM5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM6011	Major Course	Medical Ethics	3-1-0	4	60	40	100
BBAHM6012	Major Course	Occupational Health	3-1-0	4	60	40	100
BBAHM6013	Major Course	Clinical Nutrition	3-1-0	4	60	40	100
BBAHM6014	Major Course	Hospital Marketing Management	3-1-0	4	60	40	100
BBAHM6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM7011	Major Course	Patient Care Management	3-1-0	4	60	40	100
BBAHM7012	Major Course	Legal & Medical Issues in Hospital	3-1-0	4	60	40	100
BBAHM7013	Major Course	Health Insurance & Medical Tourism	3-1-0	4	60	40	100
BBAHM7014	Major Course	Strategic Management in Healthcare	3-1-0	4	60	40	100
BBAHM7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII							
Subject Code	**Subject Category**	**Subject Name**	**Teaching Hours per Week (L-T-P)**	**Total Credit**	**SEE**	**CIE**	**Total Marks**
BBAHM8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBAHM8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBAHM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

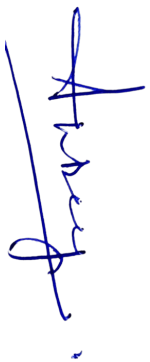
Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA	1st	BBA1031	Business Economics - I	Economics	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Ms. Shivani Hazra	Ms. Soumi Chakraborty
BBA	1st	BBA1021	Financial Accounting	Finance	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Shivani Hazra	Dr. Mainak Chakraborty
BBA	1st	BBA1011	Principals of Management	General Management	Prof. Amitabha Gupta	Dr. Pritha Kundu	Assistant Professor , Techno India University	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	1st	BBA1062	Understanding India	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Ms. Shivani Hazra	Ms. Shivani Hazra
BBA HHA	1st	BBAHHA1031	Business Economics - I	Economics	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Shafique Ahmed	Dr. Anirban Hazra
BBA HHA	1st	BBAHHA1011	Principals of Management	General Management	Mr. Shafique Ahmed	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Shafique Ahmed	Mr. Soumen Nath
BBA HHA	1st	BBAHHA1021	Front Office Foundation-I	Hotel management	Mr. Ayananshu Mondal	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Shafique Ahmed	Ms. Soumi Chakraborty
BBA HHA	1st	BBAHHA1062	Understanding India	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Shafique Ahmed	Ms. Shivani Hazra
BBA	3rd	BBC301	Managerial Economics	Economics	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Ms. Shivani Hazra	Dr. Sanjay Bhattacharya
BBA	3rd	BBC303	Cost Accounting	Finance	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Shivani Hazra	Dr. Mainak Chakraborty
BBA	3rd	BBC302	Business Laws	General Management	Dr. Mainak Chakraborty	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	3rd	BBG301	Introduction to Marketing Management	Marketing	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	5th	BBC502	Intergrated Marketing Communication	General Management	Mr. Shafique Ahmed	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Mr. Jeet Goswami	Mr. Soumen Nath
BBA	5th	BBC501	Statistics for Business Decisions	Mathematics	Dr. Sanjay Bhattacharya	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Mr. Jeet Goswami	
BBA	5th	BBD501K	Agricultural Marketing	ABM	Mr. Ayananshu Mondal	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Mr. Jeet Goswami	Ms. Shivani Hazra
BBA	5th	BBD501J	Entrepreneurship in Agribusiness	ABM	Ms. Shivani Hazra	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Mr. Jeet Goswami	Mr. Ayananshu Mondal
BBA	5th	BBD501D	Direct Tax	Finance	Dr. Mainak Chakraborty	Dr. Sulagna Mitra	Associate Professor , JIS University	Mr. Jeet Goswami	Mr. Neelanjan Mitra
BBA	5th	BBD501E	Management Accounting	Finance	Mr. Jeet Goswami	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Mr. Jeet Goswami	Mr. Neelanjan Mitra

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA	5th	BBD501H	Compensation Management	HR	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Jeet Goswami	Prof. Amitabha Gupta
BBA	5th	BBD501G	Human Resource Development	HR	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Jeet Goswami	Prof. Amitabha Gupta
BBA	5th	BBD502B	Retail Management	Marketing	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Mr. Jeet Goswami	Mr. Shafique Ahmed
BBA	5th	BBD501A	Sales & Distribution Management	Marketing	Mr. Soumen Nath	Dr. Anirban Sarkar	Professor , West Bengal State University	Mr. Jeet Goswami	Mr. Shafique Ahmed
EMBA	3rd	MBC303Q	Application of Analytics in Business	Analytics	Dr. Mainak Chakraborty	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303L	Modelling Techniques	Analytics	Dr. Mainak Chakraborty	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303F	Financial Management	Finance	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Soumi Chakraborty	Mr. Neelanjan Mitra
EMBA	3rd	MBC303S	Introduction to Project Management	Operations	Dr. Sanjay Bhattacharya	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303T	Operations Strategy	Operations	Dr. Kallal Banerjee	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Sanjay Bhattacharya
MBA	1st	MBC101	Managerial Economics	Economics	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Sourav Chatterjee	Dr. Anirban Hazra
MBA	1st	MBS101	Research Methodology	Economics	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Sourav Chatterjee	Dr. Sanjay Bhattacharya
MBA	1st	MBC104	Legal and Business Environment	General Management	Dr. Mainak Chakraborty	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Sourav Chatterjee	Mr. Ayananshu Mondal
MBA	1st	MBC102	Organizational Behavior	HR	Ms. Arpita Das	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Sourav Chatterjee	Prof. Amitabha Gupta
MBA	3rd	MBC303H	Agricultural Marketing Management	ABM	Prof. Amitabha Gupta	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Ms. Soumi Chakraborty	Mr. Ayananshu Mondal
MBA	3rd	MBC303M	Business Forecasting	Analytics	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty
MBA	3rd	MBC303F	Financial Management	Finance	Dr. Mainak Chakraborty	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Soumi Chakraborty	Mr. Neelanjan Mitra
MBA	3rd	MBC303D	Advanced Cost and Management Accounting	Finance	Dr. Shantanu Chakraborty	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty
MBA	3rd	MBC303E	Secquirity Analysis and Portfolio Management	Finance	Dr. Shantanu Chakraborty	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
MBA	3rd	MBC301	Entrepreneurship and Project Management	General Management	Mr. Ayananshu Mondal	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
MBA	3rd	MBC302	Strategic Management	General Management	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Mr. Shafique Ahmed
MBA	3rd	MBC303J	HR Metrics And Analytics	HR	Prof. Amitabha Gupta	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Ms. Soumi Chakraborty	Ms. Soumi Chakraborty
MBA	3rd	MBC303I	Organizational Development	HR	Ms. Arpita Das	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Soumi Chakraborty	Ms. Soumi Chakraborty
MBA	3rd	MBC303K	Team Dynamics at work	HR	Ms. Soumi Chakraborty	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Soumi Chakraborty	Prof. Amitabha Gupta
MBA	3rd	MBC303B	Advertisement and Sales Promotion	Marketing	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Mr. Shafique Ahmed
MBA	3rd	MBC303C	Digital & Social Media Marketing	Marketing	Mr. Soumen Nath	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Mr. Jeet Goswami
MBA	3rd	MBC303A	Product and Brand Management	Marketing	Mr. Shafique Ahmed	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Ms. Shivani Hazra
MBA	3rd	MBC303R	Supply Chain & Logistics	Operations	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Mr. Jeet Goswami

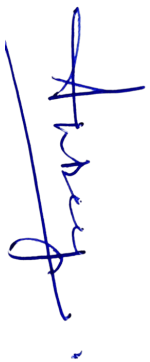


Swami Vivekananda University
School of Management
Department of Hospital Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA (HM)	1st	BBAHM1041	Business Economics - I	Economics	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Shafique Ahmed	Dr. Anirban Hazra
BBA (HM)	1st	BBAHM1011	Principles of Management	General Management	Mr. Ayananshu Mondal	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Shafique Ahmed	Mr. Shafique Ahmed
BBA (HM)	1st	BBAHM1031	Hospital & Health System	Hospital Management	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Mr. Shafique Ahmed	Dr. Tridib kumar Chatterjee
BBA (HM)	1st	BBAHM1021	Understanding India	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Shafique Ahmed	Ms. Shivani Hazra
BHM	3rd	BHC301	Health Economics	Economics	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Ayananshu Mondal	Dr. Anirban Hazra
BHM	3rd	BBG304	Finance Made Easy	Finance	Mr. Neelanjan Mitra	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Mr. Ayananshu Mondal	Mr. Jeet Goswami
BHM	3rd	BHC303	Hospital Operations Management- II	Hospital Management	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Mr. Ayananshu Mondal	Mr. Ayananshu Mondal
BHM	3rd	BHC302	Medical Record Science-I	Hospital Management	Dr. Mainak Sur	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	Mr. Ayananshu Mondal	Mr. Soumen Nath
BHM	3rd	BHS301	Advanced Microsoft Office for Professionals – I	Skill Development	Mr. Jeet Goswami	Dr. Malini Majumdar	Professor , Army Institute of Management	Mr. Ayananshu Mondal	Mr. Neelanjan Mitra
BHM	5th	BHD501A	Business Laws	General Management	Mr. Ayananshu Mondal	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Jeet Goswami	Mr. Soumen Nath
BHM	5th	BHC501	Quality in Health Care	Hospital Management	Ms. Srijita Samaddar	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	Mr. Jeet Goswami	Mr. Ayananshu Mondal
BHM	5th	BHC502	Support & Utility Services-II	Hospital Management	Dr. Tridib kumar Chatterjee	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	Mr. Jeet Goswami	Mr. Soumen Nath
BHM	5th	BHD502A	Marketing Management	Marketing	Mr. Shafique Ahmed	Dr. Malini Majumdar	Professor , Army Institute of Management	Mr. Jeet Goswami	Ms. Soumi Chakraborty
MHA	1st	MHC103	Hospital Accounting System	Finance	Mr. Neelanjan Mitra	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Arpita Das	Mr. Jeet Goswami
MHA	1st	MHC104	Legal & Medical Issues in Hospital	General Management	Dr. Anirban Hazra	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Ms. Arpita Das	Mr. Ayananshu Mondal
MHA	1st	MHC102	Healthcare Services & its Application	Hospital Management	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	1st	MHC101	Hospital Organization & Management Theory	Hospital Management	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Mr. Soumen Nath
MHA	1st	MHS102	Principles of Marketing	Marketing	Mr. Shafique Ahmed	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Arpita Das	Ms. Shivani Hazra
MHA	1st	MHS101	Bio-Statistics	Mathematics	Dr. Sanjay Bhattacharya	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Ms. Arpita Das	

Swami Vivekananda University
School of Management
Department of Hospital Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
MHA	3rd	MHE301	Disaster Management	Hospital Management	Mr. Debarshi Arathdar	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Arpita Das	Mr. Soumen Nath
MHA	3rd	MHC304	Hospital Equipment Management	Hospital Management	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Mr. Soumen Nath
MHA	3rd	MHC301	Patient Care Management	Hospital Management	Mr. Soumen Nath	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	3rd	MHC302	Total Quality Management	Hospital Management	Ms. Srijita Samaddar	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	3rd	MHC303	Human Resource Management	HR	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Ms. Arpita Das	Ms. Soumi Chakraborty
MHA	3rd	MHE302	Organizational Behaviour	HR	Ms. Soumi Chakraborty	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Arpita Das	Prof. Amitabha Gupta



Swami Vivekananda University
School of Management
Subject wise details of Examiner, Moderator and Scrutinizer (Other Department)
Odd Sem - 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
B.A English	3rd		Indian Constitution	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.TECH CIVIL	5th		Indian Constitution	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.TECH CSE	3rd		Economics for Engineers	Economics	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Neelanjan Mitra	Dr. Sanjay Bhattacharya
B.TECH DS	5th		Introduction to Industrial Management	General Management	Ms. Soumi Chakraborty	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Mr. Neelanjan Mitra	Dr. Kallal Banerjee
B.TECH DS	5th		Indian Constitution	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.Tech ME	5th		Economics for Engineers	Economics	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Neelanjan Mitra	Dr. Sanjay Bhattacharya
ECE	5th	BECG501C	Human Resource Management	HR	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Neelanjan Mitra	Ms. Soumi Chakraborty
ECE	7th	BTEC705	Principle of Management	General Management	Dr. Anirban Hazra	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Neelanjan Mitra	Mr. Ayananshu Mondal
MCA	1st		Indian Constitution	Humanities	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra

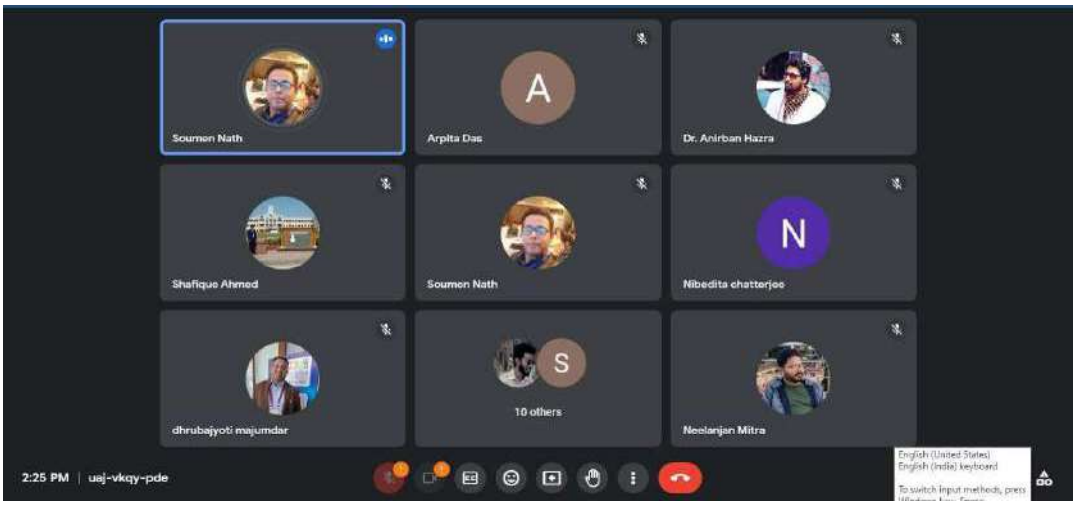
School of Management
List of Moderation Pending from Other Department
Odd Semester Examination, 2023

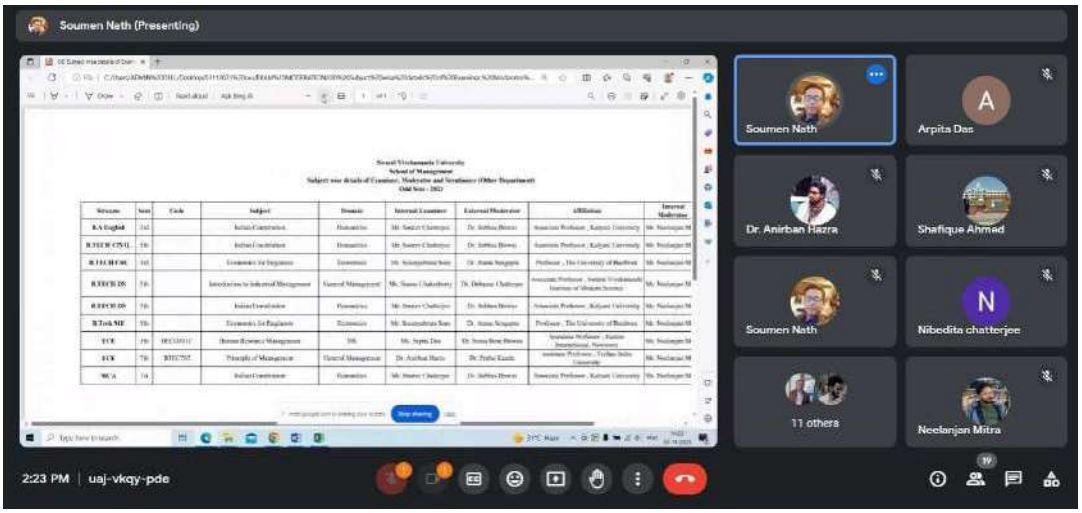
Streams	Sem	Code	Subject	Domain	Internal Examiner	Department
MBA	3rd	MBC303V	Seed Technology	ABM	Dr. Sahely Kanthal	Agriculture
HHA	1st	BBAHHA1061	Environmental Science	Chemistry	Dr. Amitava Bhowmik	Education
BBA (HM)	1st	BBAHM1051	Environmental Science - I	Chemistry	Dr. Arpita Sarkar	Chemistry
BBA	3rd	BBS301	Computer Applications - I	Computer Science	Ms. Priyanjana Mitra	CSE
BBA (HM)	1st	BBAHM1062	IT Application In Business	Computer Science	Ms. Lipika Mukherjee Pal	CSE
BBA	1st	BBA1051	IT Application In Business	Computer Science	Ms. Sumana Chakraborty	CSE
HHA	1st	BBAHHA1051	IT Application In Business	Computer Science	Ms. Lipika Mukherjee Pal	CSE
MBA	1st	MBC103	Business Communication	Humanities	Dr. Subham Bhattacharjee	English
BBA (HM)	1st	BBAHM1061	Communicative English	Humanities	Ms. Sreyoshi Dhar	English
BBA	1st	BBA1041	Communicative English	Humanities	Ms. Sreyoshi Dhar	English
HHA	1st	BBAHHA1041	Communicative English	Humanities	Mr. Agnidipto Datta	English
MBA	1st	MBS102	Quantitative Techniques	Mathematics	Mr. Arijit Das	Math
BBA	1st	BBA1061	Environmental Science	Chemistry	Dr. Arpita Sarkar	Chemistry

School of Management
List of External Moderators
Odd Semester Examination, 2023

Sl. No.	External Moderator	Affiliation	Count of Moderated Paper
1	Dr. Atanu Sengupta	Professor , The University of Burdwan	7
2	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	3
3	Dr. Anirban Sarkar	Professor , West Bengal State University	7
4	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	5
5	Dr. Malini Majumdar	Professor , Army Institute of Management	7
6	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	5
7	Dr. Pritha Kundu	Assistant Professor , Techno India University	3
8	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	5
9	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	5
10	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	5
11	Dr. Subhas Biswas	Associate Professor , Kalyani University	2
12	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	5
13	Dr. Sulagna Mitra	Associate Professor , JIS University	5
14	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	3
15	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	3
Grand Total			**70**

School of Management
BOS Meeting Screenshot
Meeting Link: https://meet.google.com/uaj-vkqy-pde





School of Management
BOS Meeting Screenshot
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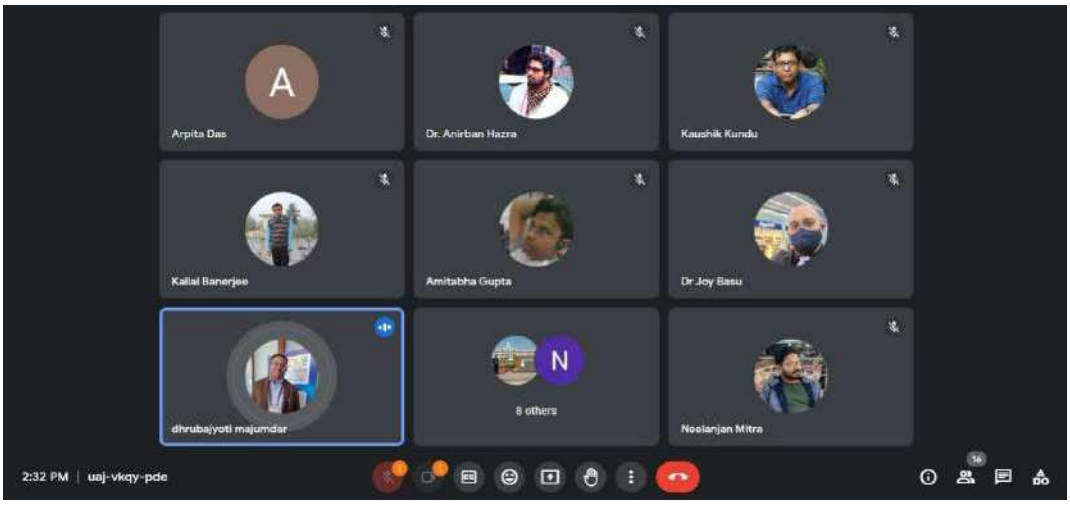

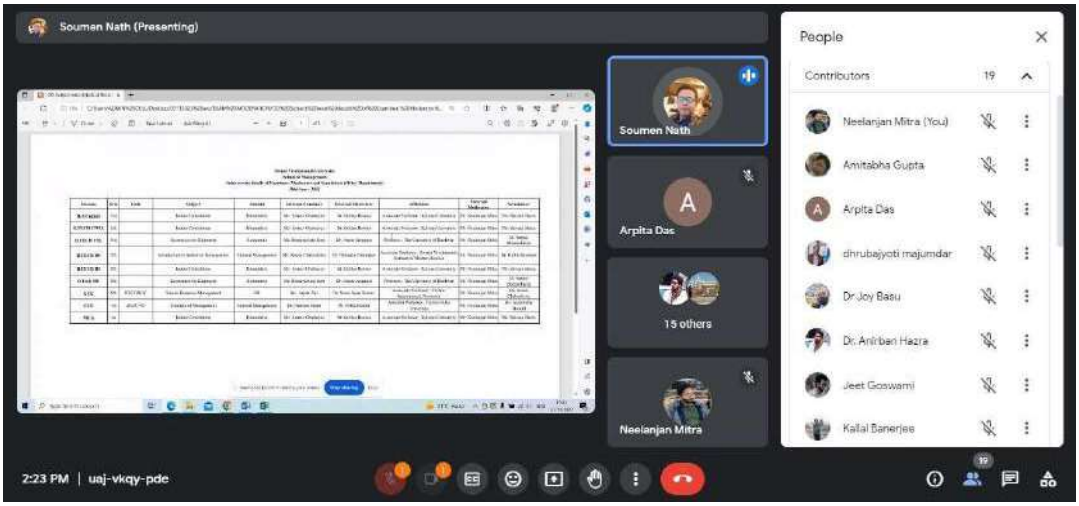

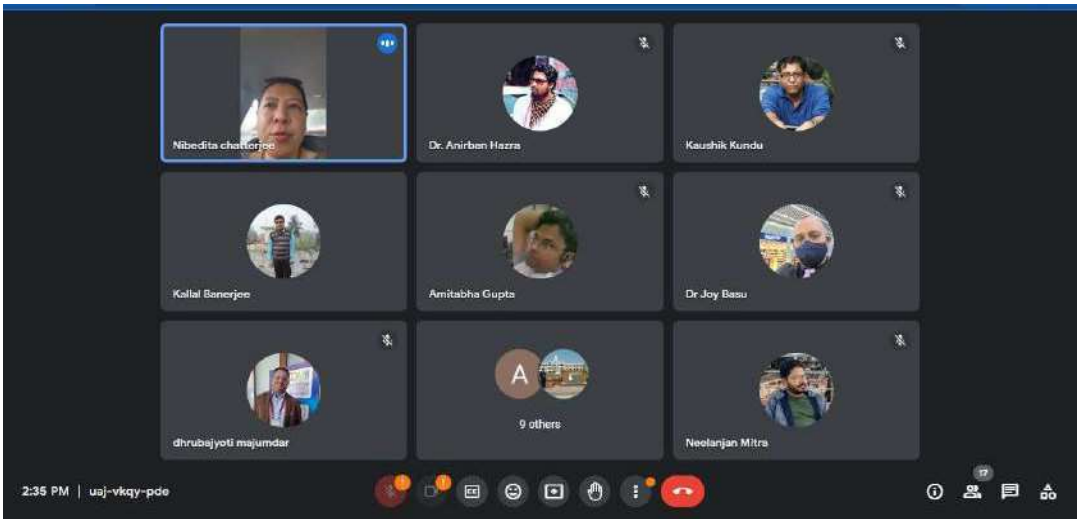

Board of Studies Committee
School of Management

Agenda for the Meeting:

1. Finalization of the National Education Policy framework for UG courses.
2. Finalization of the draft syllabus for the following UG Courses for the 2024 batch and beyond:
    A. Bachelor of Business Administration **(BBA)**
    B. Bachelor of Business Administration in Digital Marketing **(BBA DM)**
    C. Bachelor of Business Administration in Hotel and Hospitality Administration **(BBA HHA)**
    D. Bachelor of Business Administration in Agri Business Management **(BBA ABM)**
    E. Bachelor of Business Administration in Hospital Management **(BBA HM)**
3. Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2024.
4. Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination, 2024.
5. Miscellaneous

Date: Thursday, 26th September 2024
Time: 11:00 AM onwards.

Mode: Hybrid

Meeting link (for online mode) : meet.google.com/vmh-afjv-txt
Meeting room (for physical mode) : Narendranath Dutta Block, Room no. 304
Swami Vivekananda University
Barrackpore, West Bengal - 700121

Sl.	Name & Affiliation	Capacity	Status
1	**Prof. (Dr.) Malayendu Saha** Director, School of Management Swami Vivekananda University	**Chairman**	Present
2	**Dr. Pramiti Roy** Associate Professor & Head Department of Management Studies School of Management Swami Vivekananda University	**Convenor**	Present
3	**Prof. (Dr.) Kaushik Kundu** Professor, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 kaushik.kundu1972@gmail.com	External Expert from Academics	Present
4	**Prof. (Dr.) Arup Kumar Baksi** Professor, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 baksi.arup@gmail.com	External Expert from Academics	Absent
5	**Mr. Dhrubajyoti Majumder** Regional Manager-HR East L&T Constructions dhrubajyotimajumdar@yahoo.co.in	External Expert from Industry	Present
6	**Dr. Amitabha Gupta** Associate Professor & Dean Swami Vivekananda Institute of Science and Technology hr.amitabha@gmail.com	External Expert from Academics	Present

Sl.	Name & Affiliation	Capacity	Status
7	**Prof. (Dr.) Rajib Dasgupta** Professor, Dept. of Commerce Calcutta University rdcom@caluniv.ac.in	External Expert from Academics	Present
8	**Prof. (Dr.) Asish Sana** Professor, Dept. of Commerce Calcutta University akscom@caluniv.ac.in	External Expert from Academics	Present
9	**Mr. Subrata Roy** Founder & Director Hi-tech Animation Pvt. Ltd. itzsubrata@gmail.com	External Expert from Industry	Absent
10	**Dr. Sudip Sengupta** Assistant Professor, Department of Agriculture Swami Vivekananda University sudips@svu.ac.in	External Expert from Academics	Present
11	**Dr. Riya Mukhopadhyay** Assistant Professor, Department of Agriculture Swami Vivekananda University riam@svu.ac.in	External Expert from Academics	Present
12	**Dr. Gargi Lahiri** Associate Professor, Department of Hospital Management Sister Nivedita University New Town, West Bengal 700156 lahiri.gargi30@gmail.com	External Expert from Academics	Absent
13	**Dr. Joy Basu** Vice President, Apollo Hospitals drjoybasu@gmail.com	External Expert from Industry	Present

Sl.	Name & Affiliation	Capacity	Status
14	**Dr. Nibedita Debbarma Chatterjee** Chief Operating Officer, Vivekananda Hospital Durgapur, West Bengal nibeditadebbarma@yahoo.com	External Expert from Industry	Present
15	**Prof. (Dr.) Kallal Banerjee** Professor, School of Management Swami Vivekananda University	Member	Present
16	**Prof. (Dr.) Shantanu Chakraborty** Professor, School of Management Swami Vivekananda University	Member	Present
17	**Dr. Mohammad Niyaz Ahmad** Assistant Professor, Department of Business Management Swami Vivekananda University	Member	Present
18	**Mr. Neelanjan Mitra** Assistant Professor, Department of Business Management Swami Vivekananda University	Member	Present
19	**Mr. Souvik Majumder** Professor, Department of Business Management Swami Vivekananda University	Member	Present
20	**Mr. Soumen Nath** Assistant Professor, Department of Hospital Management Swami Vivekananda University	Member	Present
21	**Dr. Tridib Kumar Chatterjee** Professor, Department of Hospital Management Swami Vivekananda University	Member	Present
22	**Dr. Koushik Sinha** Assistant Professor, Department of Hospital Management Swami Vivekananda University	Member	Present

Minutes of the Board of Studies Meeting of the School of Management on **26th September 2024**, in hybrid mode regarding the following agenda:

Prof. (Dr.) Malayendu Saha, Director of the School of Management, requested to preside over the meeting and held the chair. To start, Dr. Pramiti Roy, the convener, welcomed the members present at the Board of Studies meeting. The convener then asked Mr. Neelanjan Mitra, Assistant Professor, Department of Business Management, SVU, to officially commence the meeting on behalf of the School of Management for agenda-wise discussions.

The following resolutions were adopted after detailed deliberation:

Agenda: I

Finalization of the National Education Policy (NEP) framework for UG courses:

The draft framework of Undergraduate Courses under the National Education Policy (NEP) 2020 guidelines was presented at the meeting. The subject selection pattern, coding system for each subject, and distribution of credit patterns were also put before the committee members for necessary discussion.

The committee found the framework to be conclusive in accordance with the guidelines of NEP 2020. After detailed discussion, the draft framework was unanimously accepted and approved by the committee. **(Annex-I)**

Agenda: II

Finalization of the draft syllabus of BBA, BBA DM, BBA HHA, BBA ABM & BBA HM for the 2024 batch and beyond:

The convener of the meeting presented the detailed four-year draft syllabus for undergraduate courses, including Bachelor of Business Administration (BBA), Bachelor of Business Administration in Digital Marketing (BBA DM), Bachelor of Business Administration in Agri Business Management (BBA ABM), Bachelor of Business Administration in Hospital

Management (BBA HM), and Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA), in accordance with the National Education Policy (NEP) 2020 guidelines.

After detailed discussion and incorporating the necessary changes advised by the expert members, the draft syllabus for all the disciplines was unanimously accepted and approved by the committee. The committee praised the preparation of a robust syllabus that meets the needs of modern times.**(Annex-II)**

Agenda: III

Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2024:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2024 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2024 has been unanimously accepted and approved as well by the committee. .**(Annex-III)**

.**Agenda: IV**

Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination, 2024:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2024 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination for Term End Odd Semester Examination, 2024 has been unanimously accepted and approved as well by the committee

Agenda: V

Miscellaneous:

As per valuable suggestions of the External Expert members, further the followings are unanimously resolved:

1. Emphasis should be placed on acquiring basic knowledge about Hospital Management-related subjects and their applications. Extensive technical sessions and orientation programs led by industry experts should be encouraged to minimize the knowledge gap.
2. Programs like CPR, NABH, and NABL need to be incorporated as extra-curricular activities, particularly for the Hospital Management Students.
3. Industrial training or apprenticeship is required for a couple of days or months for the Business Management students to equip them with industry exposures.

The meeting ended with a vote of thanks to the chair and other members.

Dr. Pramiti Roy
Convenor, Board of Studies
School of Management

Prof. (Dr.) Malayendu Saha
Chairman, Board of Studies
School of Management

Campus : Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121.
Corporate Office : Sonarpur Station Rd, Karbala More, Kumarkhali, Narendrapur, Kolkata, West Bengal 700103
Regd. Office : 11/3, Biresh Guha Street , 7th floor , Kolkata : 700017
E- mail : info@swamivivekanandauniversity.ac.in , Contact : 033 2428 3035

Campus : Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121.
Corporate Office : Sonarpur Station Rd, Karbala More, Kumarkhali, Narendrapur, Kolkata, West Bengal 700103
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Draft NEP 2020 Framework for Four (4) years UG courses

Year	Sem	Major (84)	Minor (32)	Interdisciplinary (9)	(AEC) (8)	(SEC) (9)	Internship (4)	Research project/ Dissertation (12)	(VAC) (8)	Credit (166)
1st	I	1 X 4	1 X 4	1 X 3	1 X 2	1 X 3			(1 X 2) + (1 x 2)	20
	II	1 X 4	1 X 4	1 X 3	1 X 2	1 X 3	1x2		(1 X 2) + (1 x 2)	22
2nd	III	2 X 4	1 X 4	1 X 3	1 X 2	1 X 3				20
	IV	4 X 4	1 X 4		1 X 2		1 X 2			24
3rd	V	4 X 4	1 X 4							20
	VI	4 X 4	1 X 4							20
4th	VII	4 X 4	1 X 4							20
	VIII	1 X 4	1 X 4					1 X 12	Hons. With Research	20
		OR								
		4 X 4	1 X 4						Hons. Only	20

If anyone exits either in the 2nd or 4th semester from the system, he/she must complete the internship with 3 credits before getting the certificate.

After Semester	Possible Degrees	Credit
2nd semester	Certificate	42credits (40 credits + 2 credits earned from exit Internship)
4th semester	Diploma	86 Credits (84 credits + 2 credits earned from exit Internship)
6th semester	Graduation	126 credits
8th semester	Graduation (Hons.)	166 credits
8th semester	Graduation (Hons. with Research)	166 credits

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hospital Management (BBA HM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - I

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM1011	Major Course	Principles of Management	Principles of Management	3-1-0	4	100
BBAHM1021	Minor Elective	Hospital & Health Care System	Hospital & Health Care System	3-1-0	4	100
BBAHM1031	Inter-Disciplinary	Diet Counseling & Patient Care	Diet Counseling & Patient Care	2-1-0	3	100
AEC1041	Ability Enhancement Course	Communicative English	Communicative English	2-0-0	2	50
BBAHM1051	Skill Enhancement Course	Content Writing & Personality Development	Content Writing & Personality Development	2-0-1	3	100
VAC1061	Value Added Course	Environmental Science - I	Environmental Science - I	2-0-0	2	50
VAC1061	Value Added Course	Understanding India	Understanding India	2-0-0	2	50
Total					**20**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM2011	Major Course	Basic Medical Terminology	Basic Medical Terminology	3-1-0	4	100
BBAHM2021	Minor Elective	Organization Behaviour	Organization Behaviour	3-1-0	4	100
BBAHM2031	Inter-Disciplinary	Clinical Assessment and Counseling of Patient	Health Psychology	2-1-0	3	100
AEC2041	Ability Enhancement Course	Modern Indian Language (Hindi)	Modern Indian Language (Bengali/ Hindi)	2-0-0	2	50
BBAHM2051	Skill Enhancement Course	Advance Microsoft Office with AI	Advance Microsoft Office with Artificial Intelligence	2-0-1	3	100
VAC2061	Value Added Course	Environmental Science - II	Environmental Science - II	2-0-0	2	50
VAC2061	Value Added Course	Digital Transformation	Digital Transformation in Business	2-0-0	2	50
BBAHM2081	Internship Program	Internship -1	Internship - I	0-0-2	2	50
Total					**22**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM3011	Major Course	Hospital Operation Management - I	Inventory Control and Purchase Management	3-1-0	4	100
BBAHM3012	Major Course	Medical Record Science - I	Medical Record Science	3-1-0	4	100
BBAHM3021	Minor Elective	Human Resource Management	Human Resource Management	3-1-0	4	100
BBAHM3031	Inter-Disciplinary	Regulatory Requirements For Hospital Practice & Care of Patients	Regulatory Requirements For Hospital Practice & Care of Patients	2-1-0	3	100
AEC3041	Ability Enhancement Course	Communicative English - II	Communicative English - II	2-0-0	2	50
BBAHM3051	Skill Enhancement Course	Management Information System	Management Information System	2-0-1	3	100
Total					**20**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM4011	Major Course	Hospital Equipment Management	Hospital Equipment Management	3-1-0	4	100
BBAHM4012	Major Course	Hospital Operation Management - II	Hospital Operation Management	3-1-0	4	100
BBAHM4013	Major Course	Medical Record Science - II	Medical Audit	3-1-0	4	100
BBAHM4014	Major Course	Support & Utility Services - I	Support & Utility Services - I	3-1-0	4	100
BBAHM4021	Minor Elective	Entrepreneurship Development	Entrepreneurship Development	3-1-0	4	100
AEC4041	Ability Enhancement Course	Foreign Language (French/ Spanish)	Foreign Language (French/ German/ Spanish/ Japanese)	2-0-0	2	50
BBAHM4081	Internship Program	Internship -2	Internship -2	0-0-2	2	50
Total					**24**	**600**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hospital Management (BBA HM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - V

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM5011	Major Course	Hospital Accounting System	Hospital Accounting System	3-1-0	4	100
BBAHM5012	Major Course	Epidemiology & Analysis of Health Information Data	Epidemiology & Analysis of Health Information Data	3-1-0	4	100
BBAHM5013	Major Course	Support & Utility Services - II	Support & Utility Services - II	3-1-0	4	100
BBAHM5014	Major Course	Quality in Health Care	Quality in Health Care	3-1-0	4	100
BBAHM5021	Minor Elective	E-Commerce & Digital Marketing	E-Commerce & Digital Marketing	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM6011	Major Course	Medical Ethics	Basic Human Physiology & Anatomy	3-1-0	4	100
BBAHM6012	Major Course	Occupational Health	Occupational Health	3-1-0	4	100
BBAHM6013	Major Course	Clinical Nutrition	Clinical Nutrition	3-1-0	4	100
BBAHM6014	Major Course	Hospital Marketing Management	Hospital Marketing Management	3-1-0	4	100
BBAHM6021	Minor Elective	Business Ethics & Corporate Governance	Business Ethics & Corporate Governance	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM7011	Major Course	Patient Care Management	Patient Care Management	3-1-0	4	100
BBAHM7012	Major Course	Legal & Medical Issues in Hospital	Hospital Financial Management	3-1-0	4	100
BBAHM7013	Major Course	Health Insurance & Medical Tourism	Health Insurance & Medical Tourism	3-1-0	4	100
BBAHM7014	Major Course	Strategic Management in Healthcare	Strategic Management in Healthcare	3-1-0	4	100
BBAHM7021	Minor Elective	Research Methodology - I	Research Methodology - I	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHM8011	Major Course	Advance Statistics for Business Research	Advance Statistics for Business Research	3-1-0	4	100
BBAHM8021	Minor Elective	Research Methodology - II	Research Methodology - II	3-1-0	4	100
BBAHM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	300
BBAHM8012	Major Course		Hospital Planning	3-1-0	4	100
BBAHM8013	Major Course		Health economics	3-1-0	4	100
BBAHM8014	Major Course		Pharmaceutical Advertising & Service Management	3-1-0	4	100
Total					**20**	**500**

Grand Total	**166**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - I

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA1011	Major Course	Front Office Foundation-1	Front Office Foundation-1	3-1-0	4	100
BBAHHA1012	Major Course	Basic Food Production	Principals of Management	3-1-0	4	100
BBAHHA1021	Minor Elective	Principals of Management	Basic Food Production	3-1-0	4	100
BBAHHA1031	Inter-Disciplinary	Food Service & Equipment Layout	Food Service & Equipment Layout	2-1-0	3	100
AEC1041	Ability Enhancement Course	Communicative English	Communicative English	2-0-0	2	50
BBAHHA1051	Skill Enhancement Course	Content Writing & Personality Development	Content Writing & Personality Development	2-0-1	3	100
VAC1061	Value Added Course	Environmental Science - I	Environmental Science - I	2-0-0	2	50
VAC1061	Value Added Course	Understanding India	Understanding India	2-0-0	2	50
Total					**24**	**650**

SEMESTER - II

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA2011	Major Course	Organization Behaviour	Organization Behaviour	3-1-0	4	100
BBAHHA2021	Minor Elective	Basic Food Production	Housekeeping Management	3-1-0	4	100
BBAHHA2031	Inter-Disciplinary	Diet Counseling & Patient Care	Diet Counseling & Patient Care	2-1-0	3	100
AEC2041	Ability Enhancement Course	Modern Indian Language (Bengali/ Hindi)	Modern Indian Language (Bengali/ Hindi)	2-0-0	2	50
BBAHHA2051	Skill Enhancement Course	Management Information System	Advance Microsoft Office with Artificial Intelligence	2-0-1	3	100
VAC2061	Value Added Course	Environmental Science - II	Environmental Science - II	2-0-0	2	50
VAC2061	Value Added Course	Digital Transformation	Digital Transformation	2-0-0	2	50
BBAHHA2081	Internship Program	Internship -1	Internship - I	0-0-2	2	50
Total					**22**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA3011	Major Course	Advance Food Production	Advance Food Production	3-1-0	4	100
BBAHHA3021	Minor Elective	Basic Food and Beverage Services	Basic Food and Beverage Services	2-1-1	4	100
BBAHHA3031	Inter-Disciplinary	Basic Nutrition	Basic Nutrition	2-1-0	3	100
AEC3041	Ability Enhancement Course	Busine Ethics & Corporate Governance	Busine Ethics & Corporate Governance	2-0-0	2	50
BBAHHA3051	Skill Enhancement Course	Communicative English II	Communicative English - II	2-0-1	3	100
Total					**16**	**450**

SEMESTER - IV

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA4011	Major Course	Human Resource Management	Human Resource Management	3-1-0	4	100
BBAHHA4012	Major Course	Accommodation Operation	Accommodation Operation	2-1-1	4	100
BBAHHA4013	Major Course	Food and Nutrition	Food and Nutrition	3-1-0	4	100
BBAHHA4014	Major Course	Cost & Management Accounting	Hotel Financial Accounting	3-1-0	4	100
BBAHHA4021	Minor Elective	Entrepreneurship Development	Entrepreneurship Development	3-1-0	4	100
AEC4041	Ability Enhancement Course	Foreign Language (French/ Spanish)	Foreign Language (French/ Spanish)	2-0-0	2	50
BBAHHA4081	Internship Program	Internship -2	Internship - II	0-0-2	2	50
Total					**24**	**600**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - V

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA5011	Major Course	Restaurant Service & Bar Management	Restaurant Service & Bar Management	2-1-1	4	100
BBAHHA5012	Major Course	Fundamentals of Bakery	Fundamentals of Bakery	2-1-1	4	100
BBAHHA5013	Major Course	Housekeeping & Laundry Management	Housekeeping & Laundry Management	2-1-1	4	100
BBAHHA5014	Major Course	Advance Front Office Management	Advance Front Office Management	3-1-0	4	100
BBAHHA5021	Minor Elective	E-Commerce & Digital Marketing	E-Commerce & Digital Marketing	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA6011	Major Course	Advertisement & Sales Promotion	Advertisement & Sales Promotion	3-1-0	4	100
BBAHHA6012	Major Course	Manpower Planning	Financial Management	3-1-0	4	100
BBAHHA6013	Major Course	Tourism and Travel Management	Tourism and Travel Management	3-1-0	4	100
BBAHHA6014	Major Course	Food and Beverage Management	Food and Beverage Management	2-1-1	4	100
BBAHHA6021	Minor Elective	Business Ethics & Corporate Governance	Business Ethics & Corporate Governance	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA7011	Major Course	International Cuisine	International Cuisine	2-1-1	4	100
BBAHHA7012	Major Course	Spirits & World of Wine	Spirits & World of Wine	2-1-1	4	100
BBAHHA7013	Major Course	Customer Relationship Management	Customer Relationship Management	3-1-0	4	100
BBAHHA7014	Major Course	Hotel Engineering	Hotel Engineering	3-1-0	4	100
BBAHHA7021	Minor Elective	Research Methodology - I	Research Methodology - I	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBAHHA8011	Major Course	Advance Statistics for Business Research	Advance Statistics for Business Research	3-1-0	4	100
BBAHHA8021	Minor Elective	Research Methodology - II	Research Methodology - II	3-1-0	4	100
BBAHHA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	300
BBAHHA8012	Major Course		Room Division Management	3-1-0	4	100
BBAHHA8013	Major Course		Banquet Operations	3-1-0	4	100
BBAHHA8014	Major Course		Indian Culinary Arts	3-1-0	4	100
Total					**20**	**500**

Grand Total	**166**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration (BBA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - I

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA1011	Major Course	Fundamentals of Marketing Management	Principles of Management	3-1-0	4	100
BBA1021	Minor Elective	Principles of Management	Fundamentals of Marketing Management	3-1-0	4	100
BBA1031	Inter-Disciplinary	Media Literacy and Critical Thinking	Media Literacy and Critical Thinking	2-1-0	3	100
AEC1041	Ability Enhancement Course	Communicative English - I	Communicative English - I	2-0-0	2	50
BBA1051	Skill Enhancement Course	Content Writing & Personality Development	Content Writing & Personality Development	2-0-1	3	100
VAC1061	Value Added Course	Environmental Science - I	Environmental Science - I	2-0-0	2	50
VAC1061	Value Added Course	Understanding India	Understanding India	2-0-0	2	50
Total					**20**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA2011	Major Course	Financial Accounting	Financial Accounting	3-1-0	4	100
BBA2021	Minor Elective	Organizational Behaviour	Organizational Behaviour	3-1-0	4	100
BBA2031	Inter-Disciplinary	Business Intelligence & Data Science	Business Intelligence & Data Science	2-1-0	3	100
AEC2041	Ability Enhancement Course	Modern Indian Language (Hindi)	Modern Indian Language (Bengali/ Hindi)	2-0-0	2	50
BBA2051	Skill Enhancement Course	Advance Microsoft Office with AI	Advance Microsoft Office with Artificial Intelligence	2-0-1	3	100
VAC2061	Value Added Course	Environmental Science - II	Environmental Science - II	2-0-0	2	50
VAC2061	Value Added Course	Digital Transformation	Digital Transformation in Business	2-0-0	2	50
BBA2081	Internship Program	Internship -I	Internship - I	0-0-2	2	50
Total					**22**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA3011	Major Course	Consumer Behaviour	Consumer Behaviour	3-1-0	4	100
BBA3012	Major Course	Human Resource Management	Cost & Management Accounting	3-1-0	4	100
BBA3021	Minor Elective	Business Law	Business Law	3-1-0	4	100
BBA3031	Inter-Disciplinary	Business Statistics	Business Statistics	2-1-0	3	100
AEC3041	Ability Enhancement Course	Communicative English II	Communicative English - II	2-0-0	2	50
BBA3051	Skill Enhancement Course	Prompt Engineering with AI	Management Information System	2-0-1	3	100
Total					**20**	**550**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration (BBA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - IV

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA4011	Major Course	Human Resource Management	Financial Management	3-1-0	4	100
BBA4012	Major Course	Production & Operation Management	Production & Operations Management	3-1-0	4	100
BBA4013	Major Course	Introduction to Business Analytics	Introduction to Business Analytics	3-1-0	4	100
BBA4014	Major Course	Cost & Management Accounting	Human Resource Management	3-1-0	4	100
BBA4021	Minor Elective	Business Economics - I	Business Economics - I (Micro)	3-1-0	4	100
AEC4041	Ability Enhancement Course	Foreign Language (French/ Spanish)	Foreign Language (French/ German/ Spanish/ Japanese)	2-0-0	2	50
BBA4081	Internship Program	Internship -2	Internship - II	0-0-2	2	50
Total					**24**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA5011	Major Course	Supply Chain & Logistic Management	Supply Chain & Logistic Management	3-1-0	4	100
BBA5012	Major Course	Compensation Management	Compensation Management	3-1-0	4	100
BBA5013	Major Course	Strategic Management	Strategic Management	3-1-0	4	100
BBA5014	Major Course	Indian Financial System	Indian Financial System	3-1-0	4	100
BBA5021	Minor Elective	Business Economics - II	Business Economics - II (Macro)	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA6011	Major Course	Advertisement & Sales Promotion	Advertisement & Sales Promotion	3-1-0	4	100
BBA6012	Major Course	Manpower Planning	Manpower Planning	3-1-0	4	100
BBA6013	Major Course	Investment Analysis and Portfolio Management	Banking & Investment Management	3-1-0	4	100
BBA6014	Major Course	International Business Strategies	International Business	3-1-0	4	100
BBA6021	Minor Elective	Business Ethics & Corporate Governance	Business Ethics & Corporate Governance	3-1-0	4	100
Total					**20**	**500**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration (BBA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - VII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA7011	Major Course (Marketing)	Digital & Social Media Marketing	Digital & Social Media Marketing	3-1-0	4	100
BBA7012		Brand Management	Brand Management	3-1-0	4	100
BBA7013		Service Marketing	Service Marketing	3-1-0	4	100
BBA7014		Marketing Strategy and Planning	Marketing Strategy and Planning	3-1-0	4	100
BBA7015	Major Course (Human Resourse)	HR Analytics	Human Resource Analytics	3-1-0	4	100
BBA7016		Human Resource Development	Human Resource Development	3-1-0	4	100
BBA7017		Industrial Relation & Labour Laws	Industrial Relation & Labour Laws	3-1-0	4	100
BBA7018		Strategic HRM	Strategic Human Resource Management	3-1-0	4	100
BBA7019	Major Course (Finance)	Direct & Indirect Taxation	Direct & Indirect Taxation	3-1-0	4	100
BBA7020		Financial Derivatives & Risk Management	Financial Derivatives & Risk Management	3-1-0	4	100
BBA7021		Financial Markets & Services	Sequrity Analysis and Portfolio Management	3-1-0	4	100
BBA7022		Corporate Accounting	Corporate Accounting	3-1-0	4	100
BBA7021	Minor Elective	Research Methodology - I	Research Methodology - I	3-1-0	4	100
Total					**20**	**400**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA8011	Major Course	Advance Statistics for Business Research	Advance Statistics for Business Research	3-1-0	4	100
BBA8021	Minor Elective	Research Methodology - II	Research Methodology - II	3-1-0	4	100
BBA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	300
BBA8012	Major Course (Marketing)	Three (3) elective papers (For Hons. Degree only)	Retail Marketing	3-1-0	4	100
BBA8013			Rural Marketing	3-1-0	4	100
BBA8014			International Marketing	3-1-0	4	100
BBA8015	Major Course (Human Resource)		Cross Culture Human Resource Management	3-1-0	4	100
BBA8016			Change Management and Organizational Development	3-1-0	4	100
BBA8017			Talent Acquisition Management	3-1-0	4	100
BBA8018	Major Course (Finance)		Financial Statement Analysis	3-1-0	4	100
BBA8019			Business Analysis & Valuation	3-1-0	4	100
BBA8020			Micro Finance	3-1-0	4	100
Total					**20**	**500**

Grand Total	**166**	**4200**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Agri Business Management (BBA ABM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - I

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA1011	Major Course	Agricultural Marketing Management	Principles of Management	3-1-0	4	100
BBA1021	Minor Elective	Principals of Management	Agricultural Marketing Management	3-1-0	4	100
BBA1031	Inter-Disciplinary	Media Literacy and Critical Thinking	Media Literacy and Critical Thinking	2-1-0	3	100
AEC1041	Ability Enhancement Course	Communicative English - I	Communicative English - I	2-0-0	2	50
BBA1051	Skill Enhancement Course	Content Writing & Personality Development	Content Writing & Personality Development	2-0-1	3	100
VAC1061	Value Added Course	Environmental Science - I	Environmental Science - I	2-0-0	2	50
VAC1061	Value Added Course	Understanding India	Understanding India	2-0-0	2	50
Total					**20**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA2011	Major Course	Financial Accounting	Financial Accounting	3-1-0	4	100
BBA2021	Minor Elective	Organizational Behaviour	Organizational Behaviour	3-1-0	4	100
BBA2031	Inter-Disciplinary	Business Intelligence & Data Science	Business Intelligence & Data Science	2-1-0	3	100
AEC2041	Ability Enhancement Course	Modern Indian Language (Hindi)	Modern Indian Language (Bengali/ Hindi)	2-0-0	2	50
BBA2051	Skill Enhancement Course	Advance Microsoft Office with AI	Advance Microsoft Office with Artificial Intelligence	2-0-1	3	100
VAC2061	Value Added Course	Environmental Science - II	Environmental Science - II	2-0-0	2	50
VAC2061	Value Added Course	Digital Transformation	Digital Transformation in Business	2-0-0	2	50
BBA2081	Internship Program	Internship -1	Internship - I	0-0-2	2	50
Total					**22**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA3011	Major Course	Consumer Behaviour	Consumer Behaviour	3-1-0	4	100
BBA3012	Major Course	Agribusiness Environment and Policy	Agribusiness Environment and Policy	3-1-0	4	100
BBA3021	Minor Elective	Business Law	Business Law	3-1-0	4	100
BBA3031	Inter-Disciplinary	Business Statistics	Business Statistics	2-1-0	3	100
AEC3041	Ability Enhancement Course	Communicative English II	Communicative English - II	2-0-0	2	50
BBA3051	Skill Enhancement Course	Prompt Engineering with AI	Management Information System	2-0-1	3	100
Total					**20**	**550**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Agri Business Management (BBA ABM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - IV

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA4011	Major Course	Human Resource Management	Human Resource Management	3-1-0	4	100
BBA4012	Major Course	Production Management of vegetable crops	Fundamentals of Horticulture	3-1-0	4	100
BBA4013	Major Course	Quality Management in Agribusiness	Quality Management in Agribusiness	3-1-0	4	100
BBA4014	Major Course	Cost & Management Accounting	Agri Cost & Management Accounting	3-1-0	4	100
BBA4021	Minor Elective	Agricultural and Natural Resource Economics - I	Agricultural and Natural Resource Economics - I	3-1-0	4	100
AEC4041	Ability Enhancement Course	Foreign Language (French/ Spanish)	Foreign Language (French/ German/ Spanish/ Japanese)	2-0-0	2	50
BBA4081	Internship Program	Internship -2	Internship -2	0-0-2	2	50
Total					**24**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA5011	Major Course	Agri-supply chain management	Agri-Supply Chain Management	3-1-0	4	100
BBA5012	Major Course	Agri-Financial Management	Agri-Financial Management	3-1-0	4	100
BBA5013	Major Course	Rural Marketing	Rural Marketing	3-1-0	4	100
BBA5014	Major Course	Agri-Chemical & Technology Management	Agri-Chemical & Technology Management	3-1-0	4	100
BBA5021	Minor Elective	Agricultural and Natural Resource Economics - II	Agricultural and Natural Resource Economics - II	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA6011	Major Course	Advertisement & Sales Promotion	Advertisement & Sales Promotion	3-1-0	4	100
BBA6012	Major Course	Trading of Agricultural Commodities	Trading of Agricultural Commodities	3-1-0	4	100
BBA6013	Major Course	Microfinance for Agribusiness	Micro Finance for Agribusiness	3-1-0	4	100
BBA6014	Major Course	Seed Production Technology Management	Seed Productions Technology Management	3-1-0	4	100
BBA6021	Minor Elective	Business Ethics & Corporate Governance	Business Ethics & Corporate Governance	3-1-0	4	100
Total					**20**	**500**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Agri Business Management (BBA ABM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - VII

Specialization: HORTICULTURE/ LIVESTOCK PRODUCTS

Subject Code	Subject Category	Subject Name	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA7011	Major Course	Fruit Production and Post Harvest Management	Fruit Production and Post Harvest Management	3-1-0	4	100
BBA7012		Technology Management for livestock products	Technology Management for livestock products			
BBA7013	Major Course	Management of Floriculture and Landscaping	Management of Floriculture and Landscaping	3-1-0	4	100
BBA7014		Poultry and Hatchery Management	Poultry and Hatchery Management			
BBA7015	Major Course	Food Technology and Processing Management	Food Technology and Processing Management	3-1-0	4	100
BBA7016		Feed Business Management	Feed Business Management			
BBA7017	Major Course	Organic Food Production Technology and Management	Organic Food Production Technology and Management	3-1-0	4	100
BBA7018		Dairy Products Management	Dairy Products Management			
BBA7021	Minor Elective	Research Methodology - I	Research Methodology - I	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBA8011	Major Course	Advance Statistics for Business Research	Advance Statistics for Business Research	3-1-0	4	100
BBA8021	Minor Elective	Research Methodology - II	Research Methodology - II	3-1-0	4	100
BBA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	300
BBA8012		Vegetable Production and Post Harvest Management	Vegetable Production and Post Harvest Management			
BBA8013		Management of Veterinary Hospitals	Management of Veterinary Hospitals			
BBA8014		Management of Watershed Development Project and Irrigation equipments	Management of Watershed Development Project and Irrigation equipments			
Total					**20**	**500**

Grand Total	**166**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Digital Marketing (BBA DM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - I

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM1011	Major Course	Fundamentals of Marketing Management	Principles of Management	3-1-0	4	100
BBADM1021	Minor Elective	Principles of Management	Fundamentals of Marketing Management	3-1-0	4	100
BBADM1031	Inter-Disciplinary	Media Literacy and Critical Thinking	Media Literacy and Critical Thinking	2-1-0	3	100
AEC1041	Ability Enhancement Course	Communicative English - I	Communicative English - I	2-0-0	2	50
BBADM1051	Skill Enhancement Course	Content Writing & Personality Development	Content Writing & Personality Development	2-0-1	3	100
VAC1061	Value Added Course	Environmental Science - I	Environmental Science - I	2-0-0	2	50
VAC1061	Value Added Course	Understanding India	Understanding India	2-0-0	2	50
Total					**20**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM2011	Major Course	Financial Accounting	Financial Accounting	3-1-0	4	100
BBADM2021	Minor Elective	Organizational Behaviour	Organizational Behaviour	3-1-0	4	100
BBADM2031	Inter-Disciplinary	Business Intelligence & Data Science	Business Intelligence & Data Science	2-1-0	3	100
AEC2041	Ability Enhancement Course	Modern Indian Language (Hindi)	Modern Indian Language (Bengali/ Hindi)	2-0-0	2	50
BBADM2051	Skill Enhancement Course	Advance Microsoft Office with AI	Advance Microsoft Office with Artificial Intelligence	2-0-1	3	100
VAC2061	Value Added Course	Environmental Science - II	Environmental Science - II	2-0-0	2	50
VAC2061	Value Added Course	Digital Transformation	Digital Transformation in Business	2-0-0	2	50
BBADM2081	Internship Program	Internship -1	Internship - I	0-0-2	2	50
Total					**22**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM3011	Major Course	Fundamentals of Digital Marketing	Fundamentals of Digital Marketing	3-1-0	4	100
BBADM3012	Major Course	Consumer Behaviour in Digital Era	Consumer Behaviour in Digital Era	3-1-0	4	100
BBADM3021	Minor Elective	Digital Entrepreneurship	Digital Entrepreneurship	3-1-0	4	100
BBADM3031	Inter-Disciplinary	Business Statistics	Business Statistics	2-1-0	3	100
AEC3041	Ability Enhancement Course	Communicative English II	Communicative English - II	2-0-0	2	50
BBADM3051	Skill Enhancement Course	Data Visualization for Marketers	Data Visualization for Marketers	2-0-1	3	100
Total					**20**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM4011	Major Course	Human Resource Management	Human Resource Management	3-1-0	4	100
BBADM4012	Major Course	Digital Marketing Ethics andCompliance	Digital Marketing Ethics and Compliance	3-1-0	4	100
BBADM4013	Major Course	Introduction to Business Analytics	Introduction to Business Analytics	3-1-0	4	100
BBADM4014	Major Course	Cost & Management Accounting	Cost & Management Accounting	3-1-0	4	100
BBADM4021	Minor Elective	Entrepreneurship Development	B2B Digital Marketing	3-1-0	4	100
AEC4041	Ability Enhancement Course	Foreign Language (French/ Spanish)	Foreign Language (French/ German/ Spanish/ Japanese)	2-0-0	2	50
BBADM4081	Internship Program	Internship -2	Internship - II	0-0-2	2	50
Total					**24**	**600**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Digital Marketing (BBA DM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

From Academic session 2024 & Beyond

SEMESTER - V

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM5011	Major Course	Affiliate Marketing	Affiliate Marketing	3-1-0	4	100
BBADM5012	Major Course	Compensation Management	Financial Management	3-1-0	4	100
BBADM5013	Major Course	Strategic Management	Strategic Management	3-1-0	4	100
BBADM5014	Major Course	Search Engine Optimization	Search Engine Optimization	3-1-0	4	100
BBADM5021	Minor Elective	E-Commerce & Digital Marketing	E-Commerce & Digital Marketing	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM6011	Major Course	Advertisement & Sales Promotion	Advertisement & Sales Promotion	3-1-0	4	100
BBADM6012	Major Course	Manpower Planning	Compensation Management	3-1-0	4	100
BBADM6013	Major Course	Social Media Marketing	Social Media Marketing	3-1-0	4	100
BBADM6014	Major Course	International Business Strategies	International Business	3-1-0	4	100
BBADM6021	Minor Elective	Business Ethics & Corporate Governance	Business Ethics & Corporate Governance	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM7011	Major Course	Mobile & e-mail marketing	Mobile & e-mail marketing	3-1-0	4	100
BBADM7012	Major Course	Social Media Analytics	Social Media Analytics	3-1-0	4	100
BBADM7013	Major Course	Customer Relationship Management	Customer Relationship Management	3-1-0	4	100
BBADM7014	Major Course	Google Ad words and PPC Advertising	Google Adwords and PPC (Pay Per Clicks) Advertising	3-1-0	4	100
BBADM7021	Minor Elective	Research Methodology - I	Research Methodology - I	3-1-0	4	100
Total					**20**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name (Proposed in BOS)	Subject Name (Changes Recommended by BOS)	Teaching Hours per Week (L-T-P)	Total Credit	Total Marks
BBADM8011	Major Course	Advance Statistics for Business Research	Advance Statistics for Business Research	3-1-0	4	100
BBADM8021	Minor Elective	Research Methodology - II	Research Methodology - II	3-1-0	4	100
BBADM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	300
BBADM8012	Major Course		Advanced Digital Marketing Strategies	3-1-0	4	100
BBADM8013	Major Course		Conversion Rate Optimization (CRO)	3-1-0	4	100
BBADM8014	Major Course		Data Privacy & Cybersecurity in Marketing	3-1-0	4	100
Total					**20**	**500**

Grand Total	**166**	**4300**

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2024

Stream	Sem	Code	Subject	Domain	Credit	L-T-P	Paper Setter	Internal Moderator	Name of Scrutineer	External Moderator	Affiliation	E-mail
Bachelor of Business Administration in Hospital Management	1st	BBAHM1011	Principles of Management	General Management	4	3-1-0	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Mr. Sourav Chatterjee	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration in Hospital Management	1st	BBAHM1021	Hospital & Health Care System	Hospital Management	4	3-1-0	Dr. Koushik Sinha	Mrs. Sayanti Banerjee	Dr. Tridib kumar Chatterjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	lahiri.gargi30@gmail.com
Bachelor of Business Administration in Hospital Management	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Mrs. Sayanti Banerjee	Dr. MD. Niyaz Ahmed	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
Bachelor of Business Administration in Hospital Management	3rd	BBAHM3011	Hospital Operation Management - I	Hospital Management	4	3-1-1	Dr. Tridib kumar Chatterjee	Dr. Anirban Hazra	Dr. Kallal Banerjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	lahiri.gargi30@gmail.com
Bachelor of Business Administration in Hospital Management	3rd	BBAHM3012	Medical Record Science - I	Hospital Management	4	2-1-1	Ms. Chandrika Banerjee	Dr. Anirban Hazra	Dr. Tridib kumar Chatterjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	lahiri.gargi30@gmail.com
Bachelor of Business Administration in Hospital Management	3rd	BBAHM3021	Human Resource Management	HR	4	2-1-1	Ms. Arnita Sur	Dr. Anirban Hazra	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	somabbiswas@gmail.com
Bachelor of Hospital Management	5th	BHC501	Quality in Health Care	Hospital Management	6	5-1-0	Ms. Chandrika Banerjee	Mrs. Sayanti Banerjee	Dr. Kallal Banerjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	lahiri.gargi30@gmail.com
Bachelor of Hospital Management	5th	BHC502	Support & Utility Services-II	Hospital Management	6	5-1-0	Dr. Tridib kumar Chatterjee	Mrs. Sayanti Banerjee	Ms. Chandrika Banerjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	dr_sudiptaghoshal@yahoo.co.in
Bachelor of Hospital Management	5th	BHD502	Financial Management	Finance	4	3-1-0	Dr. Shantanu Chakraborty	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Mrinal Kanti Das	Assistant Professor , Kanchrapara College	mrinal@kpcoll.ac.in
Bachelor of Hospital Management	5th	BHD501	Marketing Management	Marketing Management	4	3-1-0	Mr. Soumen Nath	Mrs. Sayanti Banerjee	Ms. Chandrika Banerjee	Dr. Prabal Chakraborty	Associate Professor, Marketing Department, New Delhi Institute of Management (NDIM)	prabal.chakraborty@ndimdelhi.org
Master of Hospital Administration	1st	MHC101	Hospital Organization & Management Theory	Hospital Management	4	3-1-0	Ms. Moumita Acharya	Dr. Anirban Hazra	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	dr_sudiptaghoshal@yahoo.co.in
Master of Hospital Administration	1st	MHC102	Healthcare Services & its Application	Hospital Management	4	3-1-0	Ms. Chandrika Banerjee	Dr. Anirban Hazra	Dr. Kallal Banerjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	lahiri.gargi30@gmail.com
Master of Hospital Administration	1st	MHC103	Hospital Accounting System	Finance	4	3-1-0	Mr. Jeet Goswami	Dr. Anirban Hazra	Mr. Neelanjan Mitra	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	parasharbanerjee1975@gmail.com
Master of Hospital Administration	1st	MHC104	Legal & Medical Issues in Hospital	General Management	4	3-1-0	Dr. Koushik Sinha	Dr. Anirban Hazra	Ms. Moumita Acharya	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	tusharkanti.dey@makautwb.ac.in
Master of Hospital Administration	1st	MHS102	Principles of Marketing	Marketing	4	3-1-0	Dr. MD. Niyaz Ahmed	Dr. Anirban Hazra	Mr. Soumen Nath	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Master of Hospital Administration	3rd	MHC301	Patient Care Management	Hospital Management	4	3-1-0	Dr. Koushik Sinha	Mrs. Sayanti Banerjee	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	dr_sudiptaghoshal@yahoo.co.in
Master of Hospital Administration	3rd	MHC302	Total Quality Management	Hospital Management	4	3-1-0	Dr. Kallal Banerjee	Mrs. Sayanti Banerjee	Ms. Moumita Acharya	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	principal.pcmt@pcmt-india.net
Master of Hospital Administration	3rd	MHC303	Human Resource Management	HR	4	3-1-0	Dr. MD. Niyaz Ahmed	Mrs. Sayanti Banerjee	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	somabbiswas@gmail.com
Master of Hospital Administration	3rd	MHC304	Hospital Equipment Management	Hospital Management	4	3-1-0	Dr. Tridib kumar Chatterjee	Mrs. Sayanti Banerjee	Dr. Kallal Banerjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	dr_sudiptaghoshal@yahoo.co.in
Master of Hospital Administration	3rd	MHE301	Disaster Management	Hospital Management	4	3-1-0	Ms. Chandrika Banerjee	Mrs. Sayanti Banerjee	Ms. Moumita Acharya	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	dr_sudiptaghoshal@yahoo.co.in
Master of Hospital Administration	3rd	MHE302	Organizational Behaviour	HR	4	3-1-0	Ms. Soumi Chakraborty	Mrs. Sayanti Banerjee	Ms. Arnita Sur	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	somabbiswas@gmail.com
Bachelor of Business Administration	1st	BBA1011	Fundamentals of Marketing Management	Marketing	4	3-1-0	Ms. Moumita Acharya	Dr. Anirban Hazra	Mr. Soumen Nath	Dr. Swati Pal	Associate Professor , Adamas University	swati.pal1@adamasuniversity.ac.in
Bachelor of Business Administration	1st	BBA1021	Principals of Management	General Management	4	3-1-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Mr. Sourav Chatterjee	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Dr. MD. Niyaz Ahmed	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
Bachelor of Business Administration in Digital Marketing	1st	BBADM1011	Fundamentals of Marketing Management	Marketing	4	3-1-0	Ms. Moumita Acharya	Mrs. Sayanti Banerjee	Ms. Arnita Sur	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration in Digital Marketing	1st	BBADM1021	Principals of Management	General Management	4	3-1-0	Mr. Sourav Chatterjee	Mrs. Sayanti Banerjee	Ms. Moumita Acharya	Dr. Mainak Chakraborty	Associate Professor , Adamas University	cmainack2013@gmail.com
Bachelor of Business Administration in Digital Marketing	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Mrs. Sayanti Banerjee	Dr. MD. Niyaz Ahmed	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1011	Front Office Foundation-1	Hotel management	4	3-1-0	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Ms. Chandrika Banerjee	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	principal.pcmt@pcmt-india.net
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1012	Principals of Management	General Management	4	3-1-0	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Mr. Sourav Chatterjee	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sudipta Dutta	Dr. Anirban Hazra	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
Bachelor of Business Administration in Digital Marketing	3rd	BBADM3011	Fundamentals of Digital Marketing	Digital Marketing	4	3-1-0	Mr.Soumen Nath	Mrs. Sayanti Banerjee	Prof. Souvik Majumder	Dr. Swati Pal	Associate Professor , Adamas University	swati.pal1@adamasuniversity.ac.in
Bachelor of Business Administration in Digital Marketing	3rd	BBADM3012	Consumer Behaviour in Digital Era	Digital Marketing	4	3-1-0	Mr. Soumen Nath	Mrs. Sayanti Banerjee	Prof. Souvik Majumder	Dr. Amitabha Gupta	Associate Professor, SVISTC	hr.amitabha@gmail.com

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2024

Stream	Sem	Code	Subject	Domain	Credit	L-T-P	Paper Setter	Internal Moderator	Name of Scrutineer	External Moderator	Affiliation	E-mail
Bachelor of Business Administration in Digital Marketing	3rd	BBADM3021	Digital Entrepreneurship	Digital Marketing	4	3-1-0	Prof. Souvik Majumder	Mrs. Sayanti Banerjee	Mr.Soumen Nath	Dr. Swati Pal	Associate Professor , Adamas University	swati.pal1@adamasuniversity.ac.in
Bachelor of Business Administration in Digital Marketing	3rd	BBADM3051	Data Visualization for Marketers	Digital Marketing	3	2-0-1	Prof. Souvik Majumder	Mrs. Sayanti Banerjee	Mr.Soumen Nath	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	chatteramrita@gmail.com
Bachelor of Business Administration	3rd	BBA3011	Business Law	General Management	4	3-1-0	Ms. Moumita Acharya	Dr. Anirban Hazra	Mr. Sourav Chatterjee	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration	3rd	BBA3012	Consumer Behaviour	Marketing	4	3-1-0	Ms. Arnita Sur	Dr. Anirban Hazra	Ms. Moumita Acharya	Dr. Mainak Chakraborty	Associate Professor , Adamas University	cmainack2013@gmail.com
Bachelor of Business Administration	3rd	BBA3021	Human Resource Management	HR	4	3-1-0	Mr. Neelanjan Mitra	Dr. Anirban Hazra	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	somabbiswas@gmail.com
Bachelor of Business Administration	3rd	BBA3031	Business Statistics	Math	3	2-1-0	Dr. Anirban Hazra	Mrs. Sayanti Banerjee	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	BBAHHA3012	Basic Food and Beverage Services	Hotel management	4	3-1-0	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Ms. Chandrika Banerjee	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	principal.pcmt@pcmt-india.net
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	BBAHHA3021	Housekeeping Management	Hotel management	4	3-1-0	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Ms. Moumita Acharya	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	principal.pcmt@pcmt-india.net
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	BBAHHA3051	Business Ethics & Corporate Governance	General Management	3	2-1-0	Ms. Moumita Acharya	Mrs. Sayanti Banerjee	Dr. Shantanu Chakraborty	Dr. Malini Majumdar	Professor , Army Institute of Management	drmalinimajumder@gmail.com
Bachelor of Business Administration	5th	BBD509M	Sales & Distribution Management	Marketing	6	5-1-0	Mr. Soumen Nath	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Swati Pal	Associate Professor , Adamas University	swati.pal1@adamasuniversity.ac.in
Bachelor of Business Administration	5th	BBD510M	Retail Management	Marketing	6	5-1-0	Ms. Arnita Sur	Mrs. Sayanti Banerjee	Mr. Soumen Nath	Dr. Swati Pal	Associate Professor , Adamas University	swati.pal1@adamasuniversity.ac.in
Bachelor of Business Administration	5th	BBD504F	Direct Tax	Finance	6	5-1-0	Mr. Neelanjan Mitra	Mrs. Sayanti Banerjee	Dr. Shantanu Chakraborty	Dr. Mrinal Kanti Das	Assistant Professor , Kanchrapara College	mrinal@kpcoll.ac.in
Bachelor of Business Administration	5th	BBD503F	Management Accounting	Finance	6	5-1-0	Dr. Shantanu Chakraborty	Mrs. Sayanti Banerjee	Mr. Neelanjan Mitra	Dr. Mrinal Kanti Das	Assistant Professor , Kanchrapara College	mrinal@kpcoll.ac.in
Bachelor of Business Administration	5th	BBD505H	Human Resource Development	HR	6	5-1-0	Ms. Soumi Chakraborty	Mrs. Sayanti Banerjee	Ms. Arnita Sur	Dr. Amitabha Gupta	Associate Professor, SVISTC	hr.amitabha@gmail.com
Bachelor of Business Administration	5th	BBD506H	Compensation Management	HR	6	5-1-0	Dr. MD. Niyaz Ahmed	Mrs. Sayanti Banerjee	Mr. Neelanjan Mitra	Dr. Amitabha Gupta	Associate Professor, SVISTC	hr.amitabha@gmail.com
Bachelor of Business Administration	5th	BBD506D	Introduction to Digital Marketing	Digital Marketing	6	5-1-0	Prof. Souvik Majumder	Mrs. Sayanti Banerjee	Mr.Soumen Nath	Dr. Amitabha Gupta	Associate Professor, SVISTC	hr.amitabha@gmail.com
Bachelor of Business Administration	5th	BBC502	Intergrated Marketing Communication	Marketing	6	5-1-0	Mr. Jeet Goswami	Mrs. Sayanti Banerjee	Ms. Arnita Sur	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	chatteramrita@gmail.com
Master of Business Administration	1st	MBC101	Managerial Economics	Economics	4	3-1-0	Dr.Sanjay Bhattacharya	Dr. Anirban Hazra	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
Master of Business Administration	1st	MBC102	Organizational Behavior	HR	4	3-1-0	Ms. Soumi Chakraborty	Dr. Anirban Hazra	Mr. Neelanjan Mitra	Dr. Amitabha Gupta	Associate Professor, SVISTC	hr.amitabha@gmail.com
Master of Business Administration	1st	MBC104	Legal and Business Environment	General Management	4	3-1-0	Dr. Shantanu Chakraborty	Dr. Anirban Hazra	Ms. Moumita Acharya	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	chatteramrita@gmail.com
Master of Business Administration	1st	MBS101	Research Methodology	Economics	4	3-1-0	Dr. Anirban Hazra	Mrs. Sayanti Banerjee	Dr.Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
Master of Business Administration	1st	MBS102	Quantitative Techniques	Mathematics	4	3-1-0	Dr.Sanjay Bhattacharya	Dr. Anirban Hazra	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
Master of Business Administration	3rd	MBC301	Entrepreneurship and Project Management	General Management	4	3-1-0	Prof. Souvik Majumder	Mrs. Sayanti Banerjee	Dr. Kallal Banerjee	Dr. Prabal Chakraborty	Associate Professor, Marketing Department, New Delhi Institute of Management (NDIM)	prabal.chakraborty@ndimdelhi.org
Master of Business Administration	3rd	MBC302	Strategic Management	General Management	4	3-1-0	Dr. Kallal Banerjee	Mrs. Sayanti Banerjee	Prof. Souvik Majumder	Dr. Prabal Chakraborty	Associate Professor, Marketing Department, New Delhi Institute of Management (NDIM)	prabal.chakraborty@ndimdelhi.org
Master of Business Administration	3rd	MBC303A3	Agricultural Marketing Management	HR	4	3-1-0	Dr. MD. Niyaz Ahmed	Mrs. Sayanti Banerjee	Dr. MD. Niyaz Ahmed	Dr. Soumya Saha	Assistant Professor , Vivekananda Mission Mahavidyalaya	soumyasaha@vmmahavidyalaya.ac.in
Master of Business Administration	3rd	MBC303B2	Business Forecasting	Marketing	4	3-1-0	Mr. Soumen Nath	Mrs. Sayanti Banerjee	Mr. Soumen Nath	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	tusharkanti.dey@makautwb.ac.in
Master of Business Administration	3rd	MBC303F1	Advanced Cost and Management Accounting	Marketing	4	3-1-0	Mr. Soumen Nath	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Prabal Chakraborty	Associate Professor, Marketing Department, New Delhi Institute of Management (NDIM)	prabal.chakraborty@ndimdelhi.org
Master of Business Administration	3rd	MBC303F2	Secquirity Analysis and Portfolio Management	Finance	4	3-1-0	Dr. Shantanu Chakraborty	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	parasharbanerjee1975@gmail.com
Master of Business Administration	3rd	MBC303F3	Financial Management	Finance	4	3-1-0	Dr. Shantanu Chakraborty	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	parasharbanerjee1975@gmail.com
Master of Business Administration	3rd	MBC303H1	Team Dynamics at work	HR	4	3-1-0	Ms. Soumi Chakraborty	Mrs. Sayanti Banerjee	Mr. Neelanjan Mitra	Dr. Mainak Chakraborty	Associate Professor , Adamas University	cmainack2013@gmail.com
Master of Business Administration	3rd	MBC303H2	Organizational Development	Finance	4	3-1-0	Mr. Neelanjan Mitra	Mrs. Sayanti Banerjee	Dr. Shantanu Chakraborty	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	parasharbanerjee1975@gmail.com
Master of Business Administration	3rd	MBC303H3	HR Metrics And Analytics	Operations	4	3-1-0	Dr. Kallal Banerjee	Mrs. Sayanti Banerjee	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	somabbiswas@gmail.com
Master of Business Administration	3rd	MBC303M1	Product and Brand Management	Marketing	4	3-1-0	Dr. Kallal Banerjee	Mrs. Sayanti Banerjee	Mr. Jeet Goswami	Dr. Soumya Saha	Assistant Professor , Vivekananda Mission Mahavidyalaya	soumyasaha@vmmahavidyalaya.ac.in
Master of Business Administration	3rd	MBC303M2	Advertisement and Sales Promotion	ABM	4	3-1-0	Dr. MD. Niyaz Ahmed	Mrs. Sayanti Banerjee	Ms. Sayani Bhowmick	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	principal.pcmt@pcmt-india.net
Master of Business Administration	3rd	MBC303M3	Digital & Social Media Marketing	HR	4	3-1-0	Ms. Soumi Chakraborty	Mrs. Sayanti Banerjee	Ms. Arnita Sur	Dr. Soumya Saha	Assistant Professor , Vivekananda Mission Mahavidyalaya	soumyasaha@vmmahavidyalaya.ac.in
Master of Business Administration	3rd	MBC303O1	Supply Chain & Logistics	Analytics	4	3-1-0	Dr. Kallal Banerjee	Mrs. Sayanti Banerjee	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com

Swami Vivekananda University
School of Management
Subject wise details of Examiner, Moderator and Scrutinizer (Other Department)
Odd Sem - 2024

Stream	Sem	Code	Subject	Domain	Credit	L-T-P	Paper Setter	Internal Moderator	Name of Scrutineer	External Moderator	Affiliation	E-mail
B.Tech CSE & DS	3rd	HU301	Economics for Engineers	Economics	3	3-0-0	Dr. Anirban Hazra	Mrs. Sayanti Banerjee	Ms. Soumi Chakraborty	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
B. Tech ME 7th	7th	HU701	Economics for Engineers	Economics	3	3-0-1	Dr. Anirban Hazra	Mrs. Sayanti Banerjee	Ms. Soumi Chakraborty	Dr. Atanu Sengupta	Professor , The University of Burdwan	sengupta_atanu@yahoo.com
B.A (H) IN JOURNALISM AND MASS COMMUNICATION	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Mr. Jeet Goswami	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
B.Sc. In Microbiology	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Mr. Jeet Goswami	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
B.SC. IN CLINICAL NUTRITION AND DIETETICS	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Mr. Jeet Goswami	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
B.SC. (H) IN BIOTECHNOLOGY	1st	VAC1061B	Understanding India	Humanities	2	2-0-0	Mr. Sourav Chatterjee	Dr. Anirban Hazra	Arnita Sur	Dr. Subhas Biswas	Associate Professor , Kalyani University	subhasbiswaschak@gmail.com
B.Sc.(H) Agriculture	5th	AEX306	Entrepreneurship Development and Business Communication	General Management	2	1-0-1	Mr. Jeet Goswami	Dr. Anirban Hazra	Arnita Sur	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	tusharkanti.dey@makautwb.ac.in
B.Sc.(H) Agriculture	3rd	AEC203	Agricultural Finance and Cooperation	Finance	2	1-0-2	Mr. Jeet Goswami	Dr. Anirban Hazra	Arnita Sur	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	parasharbanerjee1975@gmail.com
B.Tech CSE and DS	7th	BTCSS704 BTDSS701	Project Management and Entrepreneurship	General Management	3	3-0-0	Mr. Jeet Goswami	Dr. Anirban Hazra	Arnita Sur	Dr. Mainak Chakraborty	Associate Professor , Adamas University	cmainack2013@gmail.com
B.Tech ECE	5th	BT506C	Human Resource Management	HR	3	3-0-0	Arnita Sur	Dr. Anirban Hazra	Mr. Jeet Goswami	Dr. Mainak Chakraborty	Associate Professor , Adamas University	cmainack2013@gmail.com

School of Management
List of Moderation Pending from Other Department
Odd Semester Examination, 2024

Stream	Sem	Code	Subject	Domain	Credit	L-T-P	Paper Setter
Bachelor of Business Administration in Hospital Management	1st	BBAHM1031	Diet Counseling & Patient Care	Nutrition	3	2-1-0	Dr. Manisha Maity
Bachelor of Business Administration in Hospital Management	1st	AEC1041	Communicative English	English	2	2-0-0	Mr. Anirban Banerjee
Bachelor of Business Administration in Hospital Management	1st	BBAHM1051	Content Writing & Personality Development	English	3	2-0-1	Dr. Subham Bhattacharjee
Bachelor of Business Administration in Hospital Management	1st	VAC1061A	Environmental Science - I	Chemistry	2	2-0-0	Mr. Aritra Dutta
Bachelor of Business Administration in Hospital Management	3rd	BBAHM3031	Diet Counseling & Patient Care	Nutrition	3	2-1-0	Dr. Manisha Maity
Bachelor of Business Administration in Hospital Management	3rd	AEC3041	Communicative English - II	English	2	2-0-0	Mr. Agnidipto Datta
Bachelor of Business Administration in Hospital Management	3rd	BBAHM3051	Content Writing & Personality Development	English	3	2-0-1	Mr. Anirban Banerjee
Master of Hospital Administration	1st	MHS101	Bio-Statistics	Mathematics	4	3-1-0	Mr. Arijit Das
Bachelor of Business Administration	1st	BBA1031	Introduction to Mass Communication	Journalism	3	2-1-0	Ms. Pritha Mishra
Bachelor of Business Administration	1st	BBA1041	Communicative English	English	2	2-0-0	Mr. Sudipta Dutta
Bachelor of Business Administration	1st	BBA1051	Content Writing & Personality Development	English	3	2-0-1	Dr. Subham Bhattacharjee
Bachelor of Business Administration	1st	VAC1061A	Environmental Science - I	Chemistry	2	2-0-0	Mr. Aritra Dutta
Bachelor of Business Administration in Digital Marketing	1st	BBA1031	Introduction to Mass Communication	Journalism	3	2-1-0	Ms. Pritha Mishra
Bachelor of Business Administration in Digital Marketing	1st	BBADM1041	Communicative English	English	2	2-0-0	Mr. Sudipta Dutta
Bachelor of Business Administration in Digital Marketing	1st	BBADM1051	Content Writing & Personality Development	English	3	2-0-1	Dr. Subham Bhattacharjee
Bachelor of Business Administration in Digital Marketing	1st	VAC1061A	Environmental Science - I	Chemistry	2	2-0-0	Mr. Aritra Dutta
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1012	Basic Food Production	Hotel management			Dr. Souvik Tewari
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1031	Food Service & Equipment Layout	Nutrition	3	2-0-1	Dr. Jagannath Ghosh

School of Management
List of Moderation Pending from Other Department
Odd Semester Examination, 2024

Stream	Sem	Code	Subject	Domain	Credit	L-T-P	Paper Setter
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1041	Communicative English	English	2	2-0-0	Mr. Debarshi Arathdar
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	BBAHHA1051	Content Writing & Personality Development	English	3	2-0-1	Mr. Anirban Banerjee
Bachelor of Business Administration in Hotel & Hospitality Administration	1st	VAC1061A	Environmental Science - I	Chemistry	2	2-0-0	
Bachelor of Business Administration in Digital Marketing	3rd	BBADM3031	Business Statistics	Math	3	2-1-0	Mr. Tanmoy Pal
Bachelor of Business Administration in Digital Marketing	3rd	AEC3041	Communicative English II	English	2	2-0-0	Mr. Agnidipto Datta
Bachelor of Business Administration	3rd	AEC3041	Communicative English II	English	2	2-0-0	Dr. Madhumita Roy
Bachelor of Business Administration	3rd	BBA3051	Content Writing & Personality Development	English	3	2-0-1	Ms. Sreyoshi Dhar
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	BBAHHA3011	Advance Food Production	Hotel management	4	3-1-0	Dr. Souvik Tewari
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	BBAHHA3031	Food Service & Equipment Layout	Nutrition	3	2-0-1	Dr. Jagannath Ghosh
Bachelor of Business Administration in Hotel & Hospitality Administration	3rd	AEC3041	Communicative English II	English	2	2-0-0	Mr. Agnidipto Datta
Bachelor of Business Administration	5th	BBC501	Statistics for Business Decisions	Math	6	5-1-0	Mr. Arijit Das
Bachelor of Business Administration	5th	BBD506D	Content Writing	English	6	5-1-0	Mrs. Natasha Chatterjee Verma
Master of Business Administration	1st	MBC103	Business Communication	General Management	4	3-1-0	Dr. Subham Bhattacharjee
Master of Business Administration	3rd	MBC303A1	Seed Technology	ABM	4	3-1-0	Mr. Parijat Bhattacharya
Master of Business Administration	3rd	MBC303A2	Agri-Chemical & Technology Management	ABM	4	3-1-0	Ms. Sayani Bhowmick

Swami Vivekananda University

Telinipara, Barasat - Barrackpore Rd
Bara Kanthalia, West Bengal - 700121

Board of Studies Committee
School of Management
Meeting dated November 3rd, 2023

Agenda of BOS meeting:

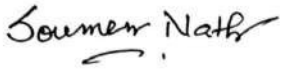
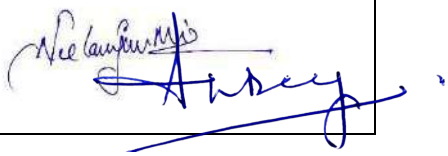
1. Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as National Education Policy (NEP), 2020 guidelines.

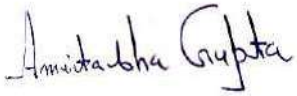
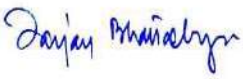
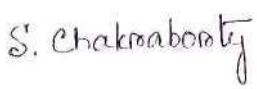
2. Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023.

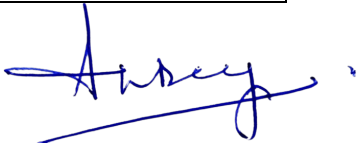
3. Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination, 2023.

4. Miscellaneous

Sl. No.	Names	Signature
1.	Prof. (Dr.) Kallal Banerjee Director, School of Management, SVU Chairman	Kallal Banerjee
2.	Prof. (Dr.) Shantanu Chakraborty Director (R & D), School of Management, SVU Member	
3.	Prof. (Dr.) Somsubhra Gupta Dean Science, SVU Invited Member	
4.	Prof. (Dr.) Kaushik Kundu, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 (External Expert from Academia)	Kaushik Kundu

Sl. No.	Names	Signature
5.	Prof. (Dr.) Arup Kumar Baksi, Dept. of Management and Business Administration, Aliah University, New Town, Kolkata, West Bengal 700156 (External Expert from Academia)	
6.	Dr. Gargi Lahiri Associate Professor, Department of Hospital Management Sister Nivedita University, New Town, West Bengal 700156 (External Expert from Academia)	
7.	Dr. Joy Basu Vice President, Apollo Hospitals (External Expert from Industry)	
8.	Dr. Nibedita Debbarma Chatterjee Ex. Senior Vice President ILS Hospitals (External Expert from Industry)	
9.	Mr. Dhrubajyoti Majumder Regional Manager-HR East, L&T Constructions (External Expert from Industry)	
10.	Mr. Soumen Nath Assistant Professor and Head Department of Hospital Management, SVU Convenor	
11.	Dr. Anirban Hazra Assistant Professor and Head Department of Business Management, SVU Co-Convenor	
12.	Mr. Neelanjan Mitra Assistant Professor, School of Management, SVU Member	

Sl. No.	Names	Signature
13.	Mr. Shafique Ahmed Assistant Professor, School of Management, SVU Member	
14.	Mr. Amitabha Gupta Assistant Professor, School of Management, SVU Member	
15.	Dr. Mainak Chakraborty Associate Professor, School of Management, SVU Member	
16.	Dr. Sanjay Bhattacharjee Associate Professor, School of Management, SVU Member	
17.	Mr. Sourav Chatterjee Assistant Professor, School of Management, SVU Member	
18.	Dr. Tridib Kumar Chatterjee Professor of Practice, School of Management, SVU Member	
19.	Ms. Arpita das Assistant Professor, School of Management, SVU Member	
20.	Ms. Shivani Hazra Assistant Professor, School of Management, SVU Member	
21.	Ms. Soumi Chakraborty Assistant Professor, School of Management, SVU Member	



Sl. No.	Names	Signature
22.	Mr. Ayanangshu Mondal Assistant Professor, School of Management, SVU Member	
23.	Mr. Jeet Goswami Assistant Professor, School of Management, SVU Member	

Minutes of the Board of Studies Meeting of the School of Management on November 3rd, 2023, via online mode regarding the following agenda:

Agenda of BOS meeting:

1. Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as National Education Policy (NEP), 2020 guidelines.
2. Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination.
3. Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination.
4. Miscellaneous

Meeting Link: https://meet.google.com/uaj-vkqy-pde

Date: 03-11-2023

Time: 02:00 pm

Prof. (Dr.) Kallal Banerjee, *Director*, School of Management, has requested to preside over the meeting and hold the chair. To start with, Mr. Soumen Nath, convener welcomed the presented members and officially commended the meeting for agenda wise discussion.

The following resolutions were adopted after detail deliberation:

Agenda-1

Finalization of Four years UG (BBA, BBA DM, BBA HM, BBA HHA) syllabus as per National Education Policy(NEP), 2020 guidelines:

Convenor of the meeting put the detailed four years draft syllabus of Under Graduate courses vide Bachelor of Business Administration (BBA), Bachelor of Business Administration in Digital Marketing (BBA DM), Bachelor of Business Administration in Hospital Management (BBA HM) and Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA) as per National Education Policy(NEP), 2020 guidelines.

Convenor also described the subject selection pattern, coding system of each subjects and distribution of credit pattern before the committee members.

After detailed discussion and incorporating necessary changes, as advised by the expert members, the Draft syllabus of all the disciplines has been unanimously accepted and approved as well by the committee. The committee has praise for preparing the robust syllabus as per the need of the modern times. (Annex-I)

Agenda-2

Finalization of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee. (Annex-II)

Agenda-3

Finalization of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination:

The Convenor of the meeting has presented the draft list of Paper Setter, Internal Moderator and External Moderators of question papers for Term End Odd Semester Examination, 2023 before the committee. The selection criteria and procedure are also described by the convenor in detail.

After detailed discussion the draft list of Examiners and Scrutinizers name of question papers for Term End Odd Semester Examination for Term End Odd Semester Examination, 2023 has been unanimously accepted and approved as well by the committee.

Agenda-4

Miscellaneous:

As per valuable suggestions of the External Expert members, further the followings are unanimously resolved:

1. Thrust should be given to basic knowledge about the Hospital Management related subjects and their applications. Extensive technical sessions and orientation programs by the Industry Experts are need to encouraged to minimize the knowledge gap.

2. Programs like CPR, NABH, and NABL need to be incorporated as extra-curricular activities, particularly for the Hospital Management Students.

3. Industrial training or apprenticeship is required for a couple of days or months for the Business Management students to equip them with industry exposures.

The meeting ended with a vote of thanks to the chair and other members.

Minutes taken by,

Soumen Nath

Mr. Soumen Nath
Convenor - Board of Studies
School of Management

Kallal Banerjee

Prof. (Dr.) Kallal Banerjee
Chairman - Board of Studies
School of Management

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration (BBA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBA1021	Minor Elective	Financial Accounting	3-1-0	4	60	40	100
BBA1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBA1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA2011	Major Course	Organizational Behaviour	3-1-0	4	60	40	100
BBA2021	Minor Elective	Fundamental of Marketing Management	3-1-0	4	60	40	100
BBA2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBA2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBA2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBA3012	Major Course	Consumer Behaviour	3-1-0	4	60	40	100
BBA3021	Minor Elective	Business Law	3-1-0	4	60	40	100
BBA3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBA3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBA4012	Major Course	Production & Operation Management	3-1-0	4	60	40	100
BBA4013	Major Course	Introduction to Business Analytics	3-1-0	4	60	40	100
BBA4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBA4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBA4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA5011	Major Course	Supply Chain & Logistic Management	3-1-0	4	60	40	100
BBA5012	Major Course	Compensation Management	3-1-0	4	60	40	100
BBA5013	Major Course	Strategic Management	3-1-0	4	60	40	100
BBA5014	Major Course	Indian Financial System	3-1-0	4	60	40	100
BBA5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBA6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBA6013	Major Course	Investment Analysis and Portfolio Management	3-1-0	4	60	40	100
BBA6014	Major Course	International Business Strategies	3-1-0	4	60	40	100
BBA6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA7011	Major Course	Digital & Social Media Marketing or HR Analytics or Direct & Indirect Taxation	3-1-0	4	60	40	100
BBA7012	Major Course	Brand Management or Human Resource Development or Financial Derivatives & Risk Management	3-1-0	4	60	40	100
BBA7013	Major Course	Service Marketing or Industrial Relation & Labour Laws or Financial Markets & Services	3-1-0	4	60	40	100
BBA7014	Major Course	Marketing Strategy and Planning or Strategic HRM or Corporate Accounting	3-1-0	4	60	40	100
BBA7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBA8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBA8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Digital Marketing (BBA DM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBADM1021	Minor Elective	Financial Accounting	3-1-0	4	60	40	100
BBADM1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBADM1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBADM2021	Minor Elective	Fundamental of Marketing Management	3-1-0	4	60	40	100
BBADM2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBADM2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBADM2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBADM3012	Major Course	Consumer Behaviour	3-1-0	4	60	40	100
BBADM3021	Minor Elective	Digital Media Laws	3-1-0	4	60	40	100
BBADM3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBADM3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBADM4012	Major Course	Understanding Digital Marketing	3-1-0	4	60	40	100
BBADM4013	Major Course	Introduction to Business Analytics	3-1-0	4	60	40	100
BBADM4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBADM4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBADM4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM5011	Major Course	Affiliate Marketing	3-1-0	4	60	40	100
BBADM5012	Major Course	Compensation Management	3-1-0	4	60	40	100
BBADM5013	Major Course	Strategic Management	3-1-0	4	60	40	100
BBADM5014	Major Course	Search Engine Optimization	3-1-0	4	60	40	100
BBADM5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBADM6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBADM6013	Major Course	Social Media Marketing	3-1-0	4	60	40	100
BBADM6014	Major Course	International Business Strategies	3-1-0	4	60	40	100
BBADM6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM7011	Major Course	Mobile & e-mail marketing	3-1-0	4	60	40	100
BBADM7012	Major Course	Social Media Analytics	3-1-0	4	60	40	100
BBADM7013	Major Course	Customer Relationship Management	3-1-0	4	60	40	100
BBADM7014	Major Course	Google Ad words and PPC Advertising	3-1-0	4	60	40	100
BBADM7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBADM8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBADM8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBADM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hotel and Hospitality Administration (BBA HHA)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBAHHA1021	Minor Elective	Basic Front Office Operation	3-1-0	4	60	40	100
BBAHHA1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBAHHA1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBAHHA2021	Minor Elective	Basic Food Production	3-1-0	4	60	40	100
BBAHHA2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBAHHA2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBAHHA2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA3011	Major Course	Financial Management	3-1-0	4	60	40	100
BBAHHA3012	Major Course	Advance Food Production	2-1-1	4	60	40	100
BBAHHA3021	Minor Elective	Basic Food and Beverage Services	2-1-1	4	60	40	100
BBAHHA3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBAHHA3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBAHHA4012	Major Course	Accommodation Operation	2-1-1	4	60	40	100
BBAHHA4013	Major Course	Food and Nutrition	3-1-0	4	60	40	100
BBAHHA4014	Major Course	Cost & Management Accounting	3-1-0	4	60	40	100
BBAHHA4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBAHHA4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA5011	Major Course	Restaurant Service & Bar Management	2-1-1	4	60	40	100
BBAHHA5012	Major Course	Fundamentals of Bakery	2-1-1	4	60	40	100
BBAHHA5013	Major Course	Housekeeping & Laundry Management	2-1-1	4	60	40	100
BBAHHA5014	Major Course	Advance Front Office Management	3-1-0	4	60	40	100
BBAHHA5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA6011	Major Course	Advertisement & Sales Promotion	3-1-0	4	60	40	100
BBAHHA6012	Major Course	Manpower Planning	3-1-0	4	60	40	100
BBAHHA6013	Major Course	Tourism and Travel Management	3-1-0	4	60	40	100
BBAHHA6014	Major Course	Food and Beverage Management	2-1-1	4	60	40	100
BBAHHA6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHHA7011	Major Course	International Cuisine	2-1-1	4	60	40	100
BBAHHA7012	Major Course	Spirits & World of Wine	2-1-1	4	60	40	100
BBAHHA7013	Major Course	Customer Relationship Management	3-1-0	4	60	40	100
BBAHHA7014	Major Course	Hotel Engineering	3-1-0	4	60	40	100
BBAHHA7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII							
Subject Code	**Subject Category**	**Subject Name**	**Teaching Hours per Week (L-T-P)**	**Total Credit**	**SEE**	**CIE**	**Total Marks**
BBAHHA8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBAHHA8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBAHHA8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University, Barrackpore, Kolkata

Bachelor of Business Administration in Hospital Management (BBA HM)

Four Year Under Graduate Curriculum Framework

As per New Education Policy 2020

SEMESTER - I

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM1011	Major Course	Principles of Management	3-1-0	4	60	40	100
BBAHM1021	Minor Elective	Hospital & Health Care System	3-1-0	4	60	40	100
BBAHM1031	Inter-Disciplinary	Business Economics - I	2-1-0	3	60	40	100
AEC1041	Ability Enhancement Course	Communicative English	2-0-0	2	30	20	50
BBAHM1051	Skill Enhancement Course	IT Application In Business	2-0-1	3	60	40	100
VAC1061	Value Added Course	Environmental Science - I	2-0-0	2	30	20	50
VAC1062	Value Added Course	Understanding India	2-0-0	2	30	20	50
Total				**20**	**330**	**220**	**550**

SEMESTER - II

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM2011	Major Course	Organization Behaviour	3-1-0	4	60	40	100
BBAHM2021	Minor Elective	Basic Medical Terminology	3-1-0	4	60	40	100
BBAHM2031	Inter-Disciplinary	Business Economics - II	2-1-0	3	60	40	100
AEC2041	Ability Enhancement Course	Content Writing and PD	2-0-0	2	30	20	50
BBAHM2051	Skill Enhancement Course	Management Information System	2-0-1	3	60	40	100
VAC2061	Value Added Course	Environmental Science - II	2-0-0	2	30	20	50
VAC2062	Value Added Course	Digital Transformation	2-0-0	2	30	20	50
BBAHM2081	Internship Program	Internship -1	0-0-2	2	-	50	50
Total				**22**	**330**	**270**	**600**

SEMESTER - III

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM3011	Major Course	Hospital Financial Management	3-1-0	4	60	40	100
BBAHM3012	Major Course	Medical Record Science - I	3-1-0	4	60	40	100
BBAHM3021	Minor Elective	Hospital Operation Management - I	3-1-0	4	60	40	100
BBAHM3031	Inter-Disciplinary	Business Statistics	2-1-0	3	60	40	100
AEC3041	Ability Enhancement Course	Modern Indian Language (Hindi)	2-0-0	2	30	20	50
BBAHM3051	Skill Enhancement Course	Introduction to AI & Cyber Security	2-0-1	3	60	40	100
Total				**20**	**330**	**220**	**550**

SEMESTER - IV

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM4011	Major Course	Human Resource Management	3-1-0	4	60	40	100
BBAHM4012	Major Course	Hospital Operation Management - II	3-1-0	4	60	40	100
BBAHM4013	Major Course	Medical Record Science - II	3-1-0	4	60	40	100
BBAHM4014	Major Course	Support & Utility Services - I	3-1-0	4	60	40	100
BBAHM4021	Minor Elective	Entrepreneurship Development	3-1-0	4	60	40	100
AEC3041	Ability Enhancement Course	Foreign Language (French/ Spanish)	2-0-0	2	30	20	50
BBAHM4081	Internship Program	Internship -2	0-0-2	2	-	50	50
Total				**24**	**330**	**270**	**600**

SEMESTER - V

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM5011	Major Course	Hospital Accounting System	3-1-0	4	60	40	100
BBAHM5012	Major Course	Epidemiology & Analysis of Health Information Data	3-1-0	4	60	40	100
BBAHM5013	Major Course	Support & Utility Services - II	3-1-0	4	60	40	100
BBAHM5014	Major Course	Quality in Health Care	3-1-0	4	60	40	100
BBAHM5021	Minor Elective	E-Commerce & Digital Marketing	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VI

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM6011	Major Course	Medical Ethics	3-1-0	4	60	40	100
BBAHM6012	Major Course	Occupational Health	3-1-0	4	60	40	100
BBAHM6013	Major Course	Clinical Nutrition	3-1-0	4	60	40	100
BBAHM6014	Major Course	Hospital Marketing Management	3-1-0	4	60	40	100
BBAHM6021	Minor Elective	Business Ethics & Corporate Governance	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VII

Subject Code	Subject Category	Subject Name	Teaching Hours per Week (L-T-P)	Total Credit	SEE	CIE	Total Marks
BBAHM7011	Major Course	Patient Care Management	3-1-0	4	60	40	100
BBAHM7012	Major Course	Legal & Medical Issues in Hospital	3-1-0	4	60	40	100
BBAHM7013	Major Course	Health Insurance & Medical Tourism	3-1-0	4	60	40	100
BBAHM7014	Major Course	Strategic Management in Healthcare	3-1-0	4	60	40	100
BBAHM7021	Minor Elective	Research Methodology - I	3-1-0	4	60	40	100
Total				**20**	**300**	**200**	**500**

SEMESTER - VIII							
Subject Code	**Subject Category**	**Subject Name**	**Teaching Hours per Week (L-T-P)**	**Total Credit**	**SEE**	**CIE**	**Total Marks**
BBAHM8011	Major Course	Advance Statistics for Business Research	3-1-0	4	60	40	100
BBAHM8021	Minor Elective	Research Methodology - II	3-1-0	4	60	40	100
BBAHM8091	Research Project	Research project/ Dissertation (For Hons. with Research Degree) or Three (3) elective papers (For Hons. Degree only)	0-0-12 or 9-3-0	12	-	-	300
Total				**20**	**120**	**80**	**500**

Grand Total	**166**	**2340**	**1660**	**4300**

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

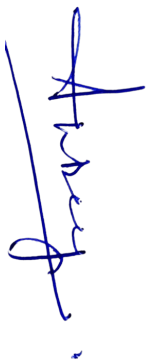
Streams	Sem	Code	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA	1st	BBA1031	Business Economics - I	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Ms. Shivani Hazra	Ms. Soumi Chakraborty
BBA	1st	BBA1021	Financial Accounting	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Shivani Hazra	Dr. Mainak Chakraborty
BBA	1st	BBA1011	Principals of Management	Prof. Amitabha Gupta	Dr. Pritha Kundu	Assistant Professor , Techno India University	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	1st	BBA1062	Understanding India	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Ms. Shivani Hazra	Ms. Shivani Hazra
BBA HHA	1st	BBAHHA1031	Business Economics - I	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Shafique Ahmed	Dr. Anirban Hazra
BBA HHA	1st	BBAHHA1011	Principals of Management	Mr. Shafique Ahmed	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Shafique Ahmed	Mr. Soumen Nath
BBA HHA	1st	BBAHHA1021	Front Office Foundation-1	Mr. Ayananshu Mondal	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Shafique Ahmed	Ms. Soumi Chakraborty
BBA HHA	1st	BBAHHA1062	Understanding India	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Shafique Ahmed	Ms. Shivani Hazra
BBA	3rd	BBC301	Managerial Economics	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Ms. Shivani Hazra	Dr. Sanjay Bhattacharya
BBA	3rd	BBC303	Cost Accounting	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Shivani Hazra	Dr. Mainak Chakraborty
BBA	3rd	BBC302	Business Laws	Dr. Mainak Chakraborty	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	3rd	BBG301	Introduction to Marketing Management	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Shivani Hazra	Mr. Shafique Ahmed
BBA	5th	BBC501	Intergrated Marketing Communication	Mr. Shafique Ahmed	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Mr. Jeet Goswami	Mr. Soumen Nath
BBA	5th	BBC502	Statistics for Business Decisions	Dr. Sanjay Bhattacharya	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Mr. Jeet Goswami	
BBA	5th	BBD508A	Agricultural Marketing	Mr. Ayananshu Mondal	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Mr. Jeet Goswami	Ms. Shivani Hazra
BBA	5th	BBD507A	Entrepreneurship in Agribusiness	Ms. Shivani Hazra	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Mr. Jeet Goswami	Mr. Ayananshu Mondal
BBA	5th	BBD504F	Direct Tax	Dr. Mainak Chakraborty	Dr. Sulagna Mitra	Associate Professor , JIS University	Mr. Jeet Goswami	Mr. Neelanjan Mitra
BBA	5th	BBD503F	Management Accounting	Mr. Jeet Goswami	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Mr. Jeet Goswami	Mr. Neelanjan Mitra

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA	5th	BBD506H	Compensation Management	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Jeet Goswami	Prof. Amitabha Gupta
BBA	5th	BBD505H	Human Resource Development	Ms. Soumi Chakraborty	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Jeet Goswami	Prof. Amitabha Gupta
BBA	5th	BBD509M	Retail Management	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Mr. Jeet Goswami	Mr. Shafique Ahmed
BBA	5th	BBD510M	Sales & Distribution Management	Mr. Soumen Nath	Dr. Anirban Sarkar	Professor , West Bengal State University	Mr. Jeet Goswami	Mr. Shafique Ahmed
EMBA	3rd	MBC303B3	Application of Analytics in Business	Dr. Mainak Chakraborty	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303B1	Modelling Techniques	Dr. Mainak Chakraborty	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303F3	Financial Management	Mr. Jeet Goswami	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Soumi Chakraborty	Mr. Neelanjan Mitra
EMBA	3rd	MBC303O2	Introduction to Project Management	Dr. Sanjay Bhattacharya	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
EMBA	3rd	MBC303O3	Operations Strategy	Dr. Kallal Banerjee	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Sanjay Bhattacharya
MBA	1st	MBC101	Managerial Economics	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Sourav Chatterjee	Dr. Anirban Hazra
MBA	1st	MBS101	Research Methodology	Dr. Anirban Hazra	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Sourav Chatterjee	Dr. Sanjay Bhattacharya
MBA	1st	MBC104	Legal and Business Environment	Dr. Mainak Chakraborty	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Sourav Chatterjee	Mr. Ayananshu Mondal
MBA	1st	MBC102	Organizational Behavior	Ms. Arpita Das	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Sourav Chatterjee	Prof. Amitabha Gupta
MBA	3rd	MBC303A3	Agricultural Marketing Management	Prof. Amitabha Gupta	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	Ms. Soumi Chakraborty	Mr. Ayananshu Mondal
MBA	3rd	MBC303B2	Business Forecasting	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty
MBA	3rd	MBC303F3	Financial Management	Dr. Mainak Chakraborty	Dr. Sulagna Mitra	Associate Professor , JIS University	Ms. Soumi Chakraborty	Mr. Neelanjan Mitra
MBA	3rd	MBC303F1	Advanced Cost and Management Accounting	Dr. Shantanu Chakraborty	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty
MBA	3rd	MBC303F2	Secquirity Analysis and Portfolio Management	Dr. Shantanu Chakraborty	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Soumi Chakraborty	Dr. Mainak Chakraborty

Swami Vivekananda University
School of Management
Department of Business Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
MBA	3rd	MBC301	Entrepreneurship and Project Management	Mr. Ayananshu Mondal	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Ms. Soumi Chakraborty	Dr. Kallal Banerjee
MBA	3rd	MBC302	Strategic Management	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Mr. Shafique Ahmed
MBA	3rd	MBC303H3	HR Metrics And Analytics	Prof. Amitabha Gupta	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Ms. Soumi Chakraborty	Ms. Soumi Chakraborty
MBA	3rd	MBC303H2	Organizational Development	Ms. Arpita Das	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Soumi Chakraborty	Ms. Soumi Chakraborty
MBA	3rd	MBC303H1	Team Dynamics at work	Ms. Soumi Chakraborty	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Soumi Chakraborty	Prof. Amitabha Gupta
MBA	3rd	MBC303M2	Advertisement and Sales Promotion	Ms. Shivani Hazra	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Mr. Shafique Ahmed
MBA	3rd	MBC303M3	Digital & Social Media Marketing	Mr. Soumen Nath	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Mr. Jeet Goswami
MBA	3rd	MBC303M1	Product and Brand Management	Mr. Shafique Ahmed	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Soumi Chakraborty	Ms. Shivani Hazra
MBA	3rd	MBC303O1	Supply Chain & Logistics	Dr. Kallal Banerjee	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Soumi Chakraborty	Mr. Jeet Goswami

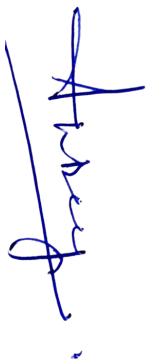


Swami Vivekananda University
School of Management
Department of Hospital Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
BBA (HM)	1st	BBAHM1041	Business Economics - I	Dr. Sanjay Bhattacharya	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Shafique Ahmed	Dr. Anirban Hazra
BBA (HM)	1st	BBAHM1011	Principles of Management	Mr. Ayananshu Mondal	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Shafique Ahmed	Mr. Shafique Ahmed
BBA (HM)	1st	BBAHM1031	Hospital & Health System	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Mr. Shafique Ahmed	Dr. Tridib kumar Chatterjee
BBA (HM)	1st	BBAHM1021	Understanding India	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Shafique Ahmed	Ms. Shivani Hazra
BHM	3rd	BHC301	Health Economics	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Ayananshu Mondal	Dr. Anirban Hazra
BHM	3rd	BBG304	Finance Made Easy	Mr. Neelanjan Mitra	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Mr. Ayananshu Mondal	Mr. Jeet Goswami
BHM	3rd	BHC303	Hospital Operations Management- II	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Mr. Ayananshu Mondal	Mr. Ayananshu Mondal
BHM	3rd	BHC302	Medical Record Science-I	Dr. Mainak Sur	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	Mr. Ayananshu Mondal	Mr. Soumen Nath
BHM	3rd	BHS301	Advanced Microsoft Office for Professionals – I	Mr. Jeet Goswami	Dr. Malini Majumdar	Professor , Army Institute of Management	Mr. Ayananshu Mondal	Mr. Neelanjan Mitra
BHM	5th	BHD501A	Business Laws	Mr. Ayananshu Mondal	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Mr. Jeet Goswami	Mr. Soumen Nath
BHM	5th	BHD502	Quality in Health Care	Ms. Srijita Samaddar	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	Mr. Jeet Goswami	Mr. Ayananshu Mondal
BHM	5th	BHC502	Support & Utility Services-II	Dr. Tridib kumar Chatterjee	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	Mr. Jeet Goswami	Mr. Soumen Nath
BHM	5th	BHD501	Marketing Management	Mr. Shafique Ahmed	Dr. Malini Majumdar	Professor , Army Institute of Management	Mr. Jeet Goswami	Ms. Soumi Chakraborty
MHA	1st	MHC103	Hospital Accounting System	Mr. Neelanjan Mitra	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	Ms. Arpita Das	Mr. Jeet Goswami
MHA	1st	MHC104	Legal & Medical Issues in Hospital	Dr. Anirban Hazra	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	Ms. Arpita Das	Mr. Ayananshu Mondal
MHA	1st	MHC102	Healthcare Services & its Application	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	1st	MHC101	Hospital Organization & Management Theory	Ms. Srijita Samaddar	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Mr. Soumen Nath
MHA	1st	MHS102	Principles of Marketing	Mr. Shafique Ahmed	Dr. Anirban Sarkar	Professor , West Bengal State University	Ms. Arpita Das	Ms. Shivani Hazra

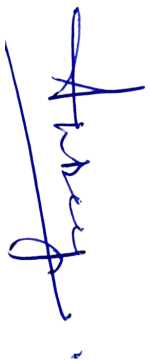
Swami Vivekananda University
School of Management
Department of Hospital Management
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Code	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
MHA	1st	MHS101	Bio-Statistics	Dr. Sanjay Bhattacharya	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	Ms. Arpita Das	
MHA	3rd	MHE301	Disaster Management	Mr. Debarshi Arathdar	Dr. Malini Majumdar	Professor , Army Institute of Management	Ms. Arpita Das	Mr. Soumen Nath
MHA	3rd	MHC304	Hospital Equipment Management	Dr. Tridib kumar Chatterjee	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	Ms. Arpita Das	Mr. Soumen Nath
MHA	3rd	MHC301	Patient Care Management	Mr. Soumen Nath	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	3rd	MHC302	Total Quality Management	Ms. Srijita Samaddar	Dr. Gargi Lahiri	Associate Professor , Sister Nivedita University	Ms. Arpita Das	Dr. Tridib kumar Chatterjee
MHA	3rd	MHC303	Human Resource Management	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Ms. Arpita Das	Ms. Soumi Chakraborty
MHA	3rd	MHE302	Organizational Behaviour	Ms. Soumi Chakraborty	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	Ms. Arpita Das	Prof. Amitabha Gupta



Swami Vivekananda University
School of Management
Other Department
Subject wise details of Examiner, Moderator and Scrutinizer
Odd Sem - 2023

Streams	Sem	Subject	Internal Examiner	External Moderator	Affiliation	Internal Moderator	Scrutinizer
B.A English	3rd	Indian Constitution	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.TECH CIVIL	5th	Indian Constitution	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.TECH CSE	3rd	Economics for Engineers	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Neelanjan Mitra	Dr. Sanjay Bhattacharya
B.TECH DS	5th	Introduction to Industrial Management	Ms. Soumi Chakraborty	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	Mr. Neelanjan Mitra	Dr. Kallal Banerjee
B.TECH DS	5th	Indian Constitution	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra
B.Tech ME	5th	Economics for Engineers	Mr. Soumyabrata Som	Dr. Atanu Sengupta	Professor , The University of Burdwan	Mr. Neelanjan Mitra	Dr. Sanjay Bhattacharya
ECE	5th	Human Resource Management	Ms. Arpita Das	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	Mr. Neelanjan Mitra	Ms. Soumi Chakraborty
ECE	7th	Principle of Management	Dr. Anirban Hazra	Dr. Pritha Kundu	Assistant Professor , Techno India University	Mr. Neelanjan Mitra	Mr. Ayananshu Mondal
MCA	1st	Indian Constitution	Mr. Sourav Chatterjee	Dr. Subhas Biswas	Associate Professor , Kalyani University	Mr. Neelanjan Mitra	Ms. Shivani Hazra



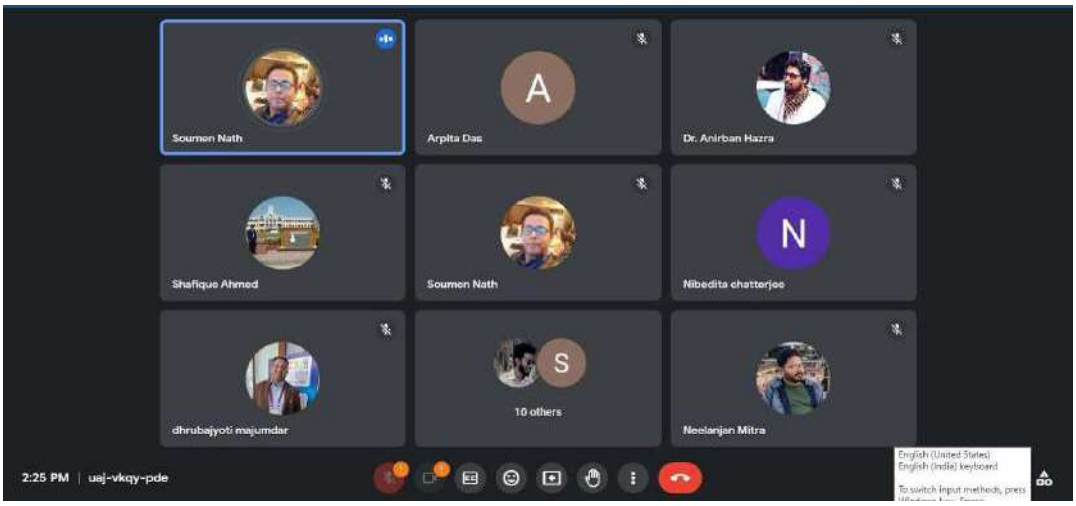
School of Management
List of External Moderators
Odd Semester Examination, 2023

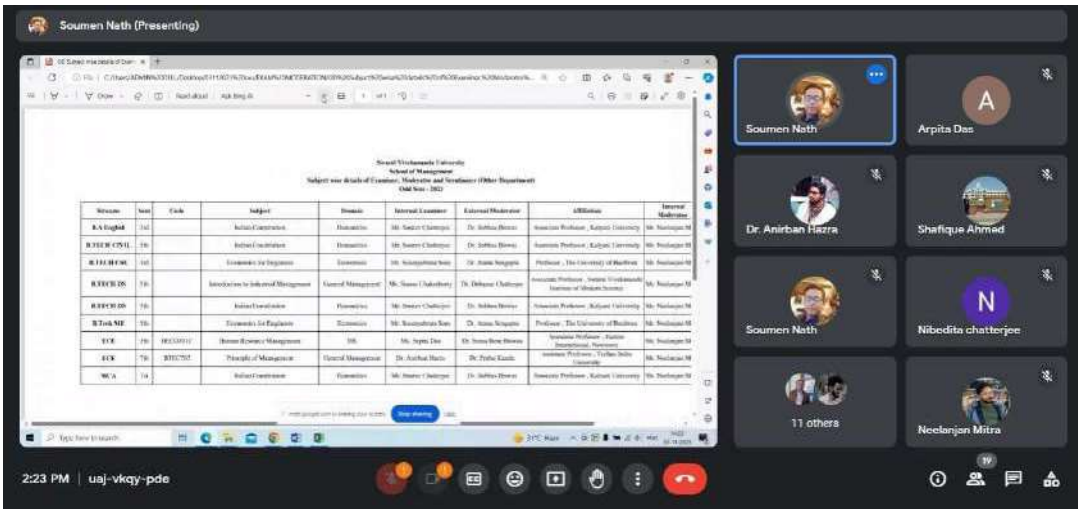
Sl. No.	External Moderator	Affiliation	Count of Moderated Paper
1	Dr. Atanu Sengupta	Professor , The University of Burdwan	7
2	Dr. Amrita Chatterjee	Assistant Professor , Ghatal Rabindra Shatabarshiki Mahavidyalaya	3
3	Dr. Anirban Sarkar	Professor , West Bengal State University	7
4	Dr. Debansu Chatterjee	Associate Professor , Swami Vivekananda Institute of Modern Science	5
5	Dr. Malini Majumdar	Professor , Army Institute of Management	7
6	Dr. Parashar Banerjee	Associate Professor , Rishi Bankim Chandra College, Naihati	5
7	Dr. Pritha Kundu	Assistant Professor , Techno India University	3
8	Dr. Santanu Dasgupta	Associate Professor & Principal , Pailan college of management &Technology	5
9	Dr. Soma Bose Biswas	Associate Professor , Techno International, Newtown	5
10	Dr. Soumendra Nath Talapatra	Associate Professor , Seacom skills university	5
11	Dr. Subhas Biswas	Associate Professor , Kalyani University	2
12	Dr. Sudipta Ghoshal	Associate Professor , Paramedical College, Durgapur	5
13	Dr. Sulagna Mitra	Associate Professor , JIS University	5
14	Dr. Swati Pal	Assistant Professor , JIS College of Engineering	3
15	Dr. Tushar Kanti Dey	Assistant Professor , Maulana Abul Kalam Azad University of Technology	3
Grand Total			**70**

School of Management
List of Moderation Pending from Other Department
Odd Semester Examination, 2023

Streams	Sem	Code	Subject	Domain	Internal Examiner	Department
MBA	3rd	MBC303V	Seed Technology	ABM	Dr. Sahely Kanthal	Agriculture
HHA	1st	BBAHHA1061	Environmental Science	Chemistry	Dr. Amitava Bhowmik	Education
BBA (HM)	1st	BBAHM1051	Environmental Science - I	Chemistry	Dr. Arpita Sarkar	Chemistry
BBA	3rd	BBS301	Computer Applications - I	Computer Science	Ms. Priyanjana Mitra	CSE
BBA (HM)	1st	BBAHM1062	IT Application In Business	Computer Science	Ms. Lipika Mukherjee Pal	CSE
BBA	1st	BBA1051	IT Application In Business	Computer Science	Ms. Sumana Chakraborty	CSE
HHA	1st	BBAHHA1051	IT Application In Business	Computer Science	Ms. Lipika Mukherjee Pal	CSE
MBA	1st	MBC103	Business Communication	Humanities	Dr. Subham Bhattacharjee	English
BBA (HM)	1st	BBAHM1061	Communicative English	Humanities	Ms. Sreyoshi Dhar	English
BBA	1st	BBA1041	Communicative English	Humanities	Ms. Sreyoshi Dhar	English
HHA	1st	BBAHHA1041	Communicative English	Humanities	Mr. Agnidipto Datta	English
MBA	1st	MBS102	Quantitative Techniques	Mathematics	Mr. Arijit Das	Math
BBA	1st	BBA1061	Environmental Science	Chemistry	Dr. Arpita Sarkar	Chemistry

School of Management
BOS Meeting Screenshot
Meeting Link: https://meet.google.com/uaj-vkqy-pde





School of Management
BOS Meeting Screenshot
Meeting Link: https://meet.google.com/uaj-vkqy-pde