



“When you are doing any work.. do it as worship, as the highest worship, and devote your whole life to it for the time being.”

.....*Swami Vivekananda*



SCHOOL OF AGRICULTURE



Agriculture encompasses crop and livestock production, aquaculture, fisheries, and forestry for food and non-food products. Agriculture was the key development in the rise of sedentary human civilization, whereby farming of domesticated species created food surpluses that enabled people to live in cities.



More Info

Call: +91 70440 86270



www.swamivivekanandauniversity.ac.in

ABOUT AGRICULTURE

The School of Agriculture, established in 2020, aims at achieving excellence in academics and research. Bachelor's degree courses in Agriculture, Agricultural engineering and Master's degree courses in Agribusiness management are offered by the School. The school has designed dynamic and focused curricula as per the guidelines of Indian Council of Agricultural Research (ICAR) to develop well-trained manpower for academics, agro-based industry and extension oriented applications. The Department of Agriculture at Swami Vivekananda University plays a critical role in advancing agricultural education, research, and outreach. Its primary objective is to equip students with knowledge and skills related to agriculture and contribute to the advancement of the agricultural sector through research and community engagement. In general, studying agriculture is vital for ensuring food security, supporting economic growth, safeguarding the environment, and addressing pressing global challenges such as climate change and malnutrition. By investing in agricultural education and research, we can build a more sustainable and resilient future for our planet.

MISSION

To contribute to the improvement of livelihoods of the rural and urban communities by enhancing food and nutritional security and improving livelihoods through research to achieve sustainable increases in agricultural productivity and income, while ensuring the efficient and judicious use of natural resources, exploit National and Export markets, establish effective linkage with Banks and commercial establishment.

VISION

The vision of the Department of Agriculture at Swami Vivekananda University is to be a dynamic and forward-thinking institution that leads in agricultural education, research, and outreach. It strives to make a positive impact on agriculture, society, and the environment by producing skilled professionals, conducting innovative research, and engaging with various stakeholders to address pressing agricultural challenges.

OBJECTIVES

1. To provide high-quality education and training to students pursuing degrees in agricultural sciences.
2. The department is often responsible for conducting cutting-edge research in agriculture and related fields.
3. The Department of Agriculture often serves as a bridge between the academic community and the agricultural industry.
4. The department may focus on promoting sustainable agriculture practices that aim to conserve natural resources, minimize environmental impacts, and support long-term agricultural productivity without depleting essential resources.
5. The department may conduct research and breeding programs to improve crop varieties and livestock breeds, enhancing their productivity, disease resistance, and nutritional content.
6. Departments of agriculture helps shape agricultural policies that are beneficial to farmers, consumers, and the environment.
7. The department often collaborates with other academic institutions, research organizations, government agencies, NGOs, and industry partners to leverage resources, share knowledge, and address complex agricultural challenges collectively.
8. The department may conduct training programs, workshops, and seminars for farmers, agricultural professionals, and policymakers to enhance their skills, knowledge, and understanding of modern agricultural practices and technologies.
9. Some departments may emphasize fostering entrepreneurship and agribusiness development.
10. The department may work towards improving food security and nutrition by studying ways to enhance food production, distribution, and accessibility while ensuring that the food produced is nutritious and safe for consumption.

We value ethical practice and we are committed to professional collaboration, community involvement, accountability, integrity and respect.

CORE VALUES

The core values represent the principles and beliefs that the department cherishes and strives to uphold in its pursuit of excellence in agricultural education, research, and outreach. The main core values of the Department of Agriculture include delivering high-quality education, promoting sustainable agricultural practices, upholding the highest ethical standards, encouraging teamwork and interdisciplinary cooperation, providing a supportive and inclusive learning environment, address agricultural issues, share knowledge, and contribute to societal well-being.

SALIENT FEATURE / USP

The Salient Feature or Unique Selling Proposition (USP) of a Department of Agriculture at SVU refers to the distinctive characteristics or strengths that set it apart from other agricultural universities. Strong academic background of the faculties, cutting-edge research facilities, strong industry connections, focus on sustainable agriculture, global outreach programmes, extension activities, emphasis on entrepreneurship et



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Diverse career options: Agriculture is a vast field with diverse career options ranging from crop and livestock production to agribusiness, agricultural engineering, food science, and environmental sustainability. Studying agriculture can open door to a wide range of rewarding career paths.

Global importance: Agriculture plays a crucial role in feeding the world's growing population and addressing global food security challenges. By studying agriculture, you can contribute to sustainable farming practices, innovative technologies, and policies that ensure food availability and enhance the resilience of agricultural systems.

Practical and hands-on learning: Many agricultural programs emphasize hands-on learning, providing practical experiences through fieldwork, internships, and farm management. This approach allows students to develop essential skills, such as problem-solving, critical thinking, and resource management.

Impact on the environment: Agriculture intersects with environmental sustainability and conservation. Studying agriculture equips you with the knowledge to address environmental challenges, such as soil erosion, water management, biodiversity conservation, and climate change mitigation.

WHY @ AGRICULTURE

Innovation and technology: Modern agriculture relies on cutting-edge technologies and innovations. Studying agriculture exposes you to advancements in precision agriculture, genetic engineering, biofuels, sustainable practices, and agricultural machinery, fostering your ability to contribute to agricultural innovation and technological advancements.

Support for rural communities: Agriculture is closely tied to rural communities, and studying agriculture can enable you to support and uplift these communities. Through agricultural extension services, rural development programs, and community engagement, you can contribute to the economic and social well-being of rural areas.

Collaboration and networking: Agriculture is a collaborative field, requiring partnerships between farmers, scientists, policymakers, and industry professionals. Studying agriculture provides opportunities to build a strong network of professionals, engage in research collaborations, and establish connections within the agriculture sector.

Job prospects and stability: The global demand for agricultural products and services remains constant, offering long-term job stability. Moreover, the agriculture sector needs skilled professionals to address emerging challenges, such as sustainable production, food safety, and agricultural policy.

Overall, studying in the Department of Agriculture can offer a fulfilling and impactful career, contributing to global food security, environmental sustainability, and the well-being of rural communities.



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OUR EMINENT MENTORS



PROF. (DR.) SURANJAN DAS

Vice-Chancellor,
Adamas University



PROF. (DR.) DHRUBAJYOTI CHATTOPADHYAY

Vice Chancellor,
Sister Nivedita University ,Kolkata



PROF. (DR.) DEB NARAYAN BANDYOPADHYAY

Founder Vice Chancellor, Bankura University



PROF. (DR.) SHOROSIMOHAN DAN

Former Vice Chancellor , The University of Burdwan



PROF. (DR.) NEMAI SAHA

Former Vice-Chancellor , The University of Burdwan



DR. BAIDYANATH CHAKRABARTY

Renowned Gynecologist and IVF Specialist



PROF.(DR.) BASHABI FRASER

Professor Emerita of English and Creative Writing
Director, Scottish Centre of Tagore Studies
(ScoTs) School of Arts & Creative Industries
Edinburgh Napier University

FACULTY PROFILE

ACADEMICS HIGHLIGHTS

No. of Ph.D. Faculty:(In No.): 07

No. of Post Doc Faculty:(In No.): 2

No. of Project submitted:(In No.): 03

Department Wise Patent Applied:(In No.): 05

Department Wise Granted Patent: (In No.) : 1



DR. TANMOY SARKAR

Assistant Professor & HOD
Specialization : Genetics and
Plant Breeding



DR. AVISHEK CHATTERJEE

Assistant Professor
Specialization : Entomology



DR. SUDIP SENGUPTA

Assistant Professor
Specialization : Plant Pathology



DR. SAHELY KANTHAL

Assistant Professor
Specialization : Agricultural Meteorology



DR. SUPRABUDDHA KUNDU

Assistant Professor
Specialization : Soil Science



DR. RIA MUKHOPADHYAY

Assistant Professor
Specialization : Plant Physiology



MR. TANMOY MAJHI

Asst Professor
Specialization : Sericulture



MR. RAKESH DAS

Asst Professor
Specialization : Agricultural Meteorology



MR. PARIJAT BHATTACHARYA

Assistant Professor
Specialization : Soil and Water Conservation
Engineering



SOME OF OUR PLACED CANDIDATES



KRISHNENDU ROY
STREAM: B.SC.(H) IN AGRICULTURE
DESIGNATION: SALES FC



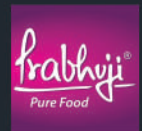
FANSAR ALI
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: SALES & MARKETING



MD IRFAN MATIN
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: QUALITY CONTROL



KRISHNA SAMANTA
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: QUALITY CONTROL



BIBEKANANDA BAR
STREAM: B.TECH AGRICULTURAL ENGINEERING
DESIGNATION: ENGINEERING INTERN



DIPAK GIRI
STREAM: B.TECH AGRICULTURAL ENGINEERING
DESIGNATION: SALES



SUBHASIS GHORAI
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: R&D



SOUMYA SNIGDHAMANNA
STREAM: B.TECH AGRICULTURAL ENGINEERING
DESIGNATION: REPAIR AND
MAINTENANCE OF TRACTOR



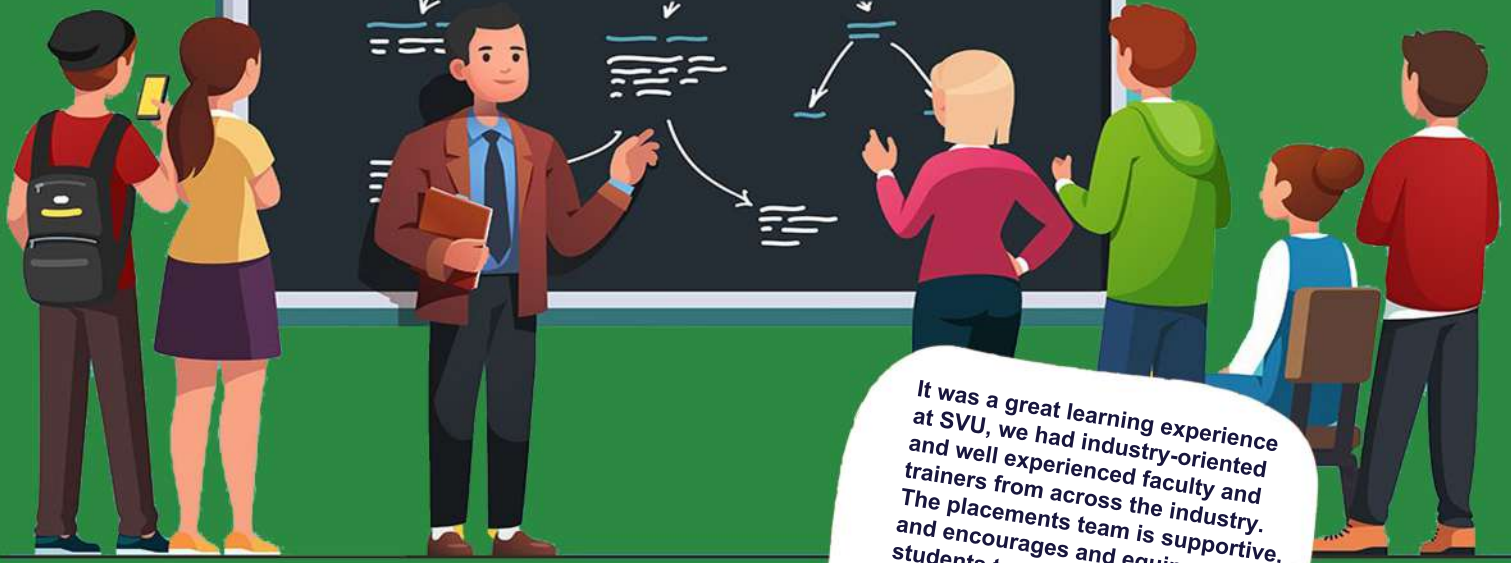
ARMITA PAL
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: QUALITY CONTROL



SAIKAT KOLEY
STREAM: B.SC (H) AGRICULTURE
DESIGNATION: SALES AND MARKETING



STUDENTS' TALK



It was a great learning experience at SVU, we had industry-oriented and well experienced faculty and trainers from across the industry. The placements team is supportive, and encourages and equips the students to perform better in their interviews. These activities have helped me develop my overall personality and capabilities in tune with the requirement of the corporate world.

Fansar Ali
B.Sc (H) Agriculture
2020-2024



A hearty thanks to all my faculties for believing in my capabilities and giving me a platform to grow and a special thanks to the placement department for doing such a wonderful job and for getting the best of the best companies to our campus. The whole process of placement was a huge roller-coaster and there were rejections but all thanks to the University for teaching me to never lose faith and giving me plenty of new opportunities.

SVU is a place of learning, fun, culture and many other things. I got placed possible because of the efforts made by faculty and placement cell .



Rimita Dutta
B.Sc (H) Agriculture
2020-2024

SVU has provided the platform to meet good recruiting companies. It not just provides me with various platforms to showcase my abilities and skill but also helps us to learn all soft skills that are highly required. We get training on interview skills, communication skills, life skills, and effective time management many more



Sunanda Ghosh
B.Sc (H) Agriculture
2020-2024

It was a great learning experience at SVU, we had industry-oriented and well experienced faculty and trainers from across the industry. The placements team is supportive, and encourages and equips the students to perform better in their interviews. These activities have helped me develop my overall personality and capabilities in tune with the requirement of the corporate world.



Sayandip Bag
B.Tech Agricultural Engineering
2020-2024



Ankana Moulik
B.Tech Agricultural Engineering
2020-2024

AGRICULTURE LABORATORY

Digital Weighing Balance

Digital Balances are devices used to precisely measure the mass of an object. They are sometimes called electronic scales and are usually composed of an LCD screen, load cell, controller and platform

Hot Plates with Magnetic Stirrer

The hotplate stirrer (or hot plate stirrer or hot plate magnetic stirrer) is used for mixing and heating aqueous solutions for a great variety of chemical reactions such as synthesis.

Rotary Shaker (Platform Type)

An orbital shaker is ideal for a variety of general-purpose shaking applications in cell culture, bacterial growth and suspension, staining and washing procedures.

Uv-Vis spectrophotometer

UV-Vis spectroscopy is an analytical technique that measures the amount of discrete wavelengths of UV or visible light that are absorbed by or transmitted through a sample in comparison to a reference or blank sample. It is used to quantify nucleic acid and protein content in biological samples and for quality control in drugs and food industries.

pH conductivity meter

A pH and conductivity meter is an analytical instrument that measures both pH and conductivity. pH indicates a solution's acidity or alkalinity and conductivity indicates its ability to conduct electricity, which is related to the solution's ion concentration.

Brix meter (Hand refractometer)

Brix meter is used to measure sucrose found within vegetables, juices, soft drinks, wine, beer, and many more plant-based foods.

-20 degree C Refrigerator, 220L

It is used for Storing sensitive materials, adhesive chemicals, reagents, pharmaceuticals and more.

Vortex Mixer

A vortex mixer is a relatively simple device, used in bio-science, microbiology, biochemical, and analytical laboratory settings to mix small vials of liquids in a quickly oscillating circular motion. When the motion of the rubber cup holder on the mixer is transmitted to the liquid sample, a vortex is created

Hot Air Oven

A hot air oven is a type of lab testing instrument that is used to heat up the products at a uniform temperature. A hot air oven is used to sterilize the product in a particular period of time under specific conditions like humidity, pressure, and other environmental factors.

Vertical Autoclave

Autoclaves operate at high temperature and pressure in order to kill microorganisms and spores. They are used to decontaminate certain biological waste and sterilize media, instruments and lab ware.

B.O.D. Incubator Cum Shaker

B.O.D. incubators are also called low temperature incubators. The BOD incubator provides the required temperature for the growth of microorganisms and allows to perform the BOD testing

Stereo microscope

Stereo microscope is used to examine the surface of brains, tissue slices, or large neural structures. It is especially useful for the fine manipulation needed during dissections, surgeries, or the fabrication of small tools

Poly Pouch Sealer

Poly Pouch sealer can seal plastic films made from various materials, which is widely used in fields of food, medicine, chemicals, daily use and vegetable seeds etc. It is ideal sealing equipment for packing batch products

Stevenson Screen (Single Stand)

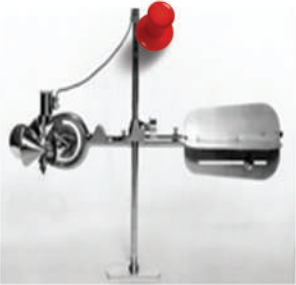
A Stevenson screen or instrument shelter is a shelter or an enclosure used to protect meteorological instruments against precipitation and direct heat radiation from outside sources, while still allowing air to circulate freely around them.

AGRICULTURE LABORATORY



Model of multi cylinder engine

Demonstrative Model, Actual-Cut Section
Three cylinder 4 stroke
Petro. Engine cut section-
Mounted on MS frame Well
painted and demonstrated
Manual operated



Currentmeter

Size: 6 inch, Measuring
Velocity: 0.025 to 3.0
m/sec Measurement of ve-
locity of open channel with
guide Digital Display and
timer User Manual
and all
accessories



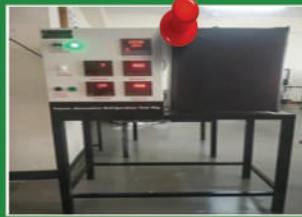
V-notch (triangular) weir setup

Flow rate 12L/sec, an-
gle-90,
angle-45 angle-30
0.5 HP Motor SS Channel
175L plastic Tank
Verner for the Water lev-
el checking



Tensiometer

Height-12" (30.5 cm),
Weight-0.35kgs



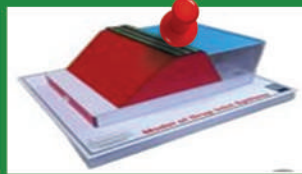
Vapour absorption refrigeration tutor

Heating Source- 40W DC Ammeter / Voltmeter AC Voltm-
ter/Ammeter Dimmer
Temperature Scanner Temperature Indicator PT100
COP-0.18



Model of drop spill way

Demonstrative Model, Self explanatory Model
Size 600x400 mm QR code for more
explanation of model



Model of

Demonstrative Model, Self explanatory Model
Size 600x400 mm QR code for more
explanation of model



Parshall flume

Throat width- 2 inch for free flow of 0.03 ft³/s at 0.2 ft of-
measuring head
Material: Metal MS Powder coating Size-700x400mm
Scaled down model



Double ring filter meter

Diameter: 30cm inner and 60cm outer and height - 25
cm Material: Metal MS



Cut section of centrifugal pump

Demonstrative Model, Actual Cut Section
Self explanatory Model Size 600x400mm
QR code for more explanation of model



Rain Guages

Measuring Capacity=200mm rainfall; Area of the
collector=200cm²; Bottle capacity=2L



Model of Standard dissection plough

Stereo microscope is used to examine the
surface of brains, tissue slices, or large
neural structures. It is especially useful for
the fine manipulation needed during dis-
sections, surgeries, or the fabrication of
small tools



Model of Seed metering mechanism

Demonstrative Model, Actual Cut Section



Apparatus for angle repose

Working Model Made up of SS
Measuring of angle by protractor
Nose radius 12.5mm

DEPARTMENTAL ACTIVITY

Training on nursery management and plantation



Scientific Beekeeping Training Programme was a comprehensive and practical initiative designed to educate beekeepers about modern and scientific beekeeping practices.



Workshop on Plantation and Beautification of Campus and Nursery Raising and Management



The hands-on training provided to 8th semester B.Sc. (H) in Agriculture students at Swami Vivekananda University in commercial mushroom cultivation, as part of the ELP curriculum, is a comprehensive endeavor aimed at imparting practical skills from bag preparation to product marketing.



The training program was meticulously designed to provide participants with a holistic understanding of biofloc technology, encompassing its theoretical underpinnings, practical implementation, and real-world implications. By fostering a dynamic learning environment that combined interactive sessions, hands-on demonstrations, and insightful discussions

