

Report
on
Monthly Faculty Lecture

Series	February, 2024-25
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Date: 26th February, 2025; Time: 1:30 PM

Title: Higher Education Ecosystem in Digital Era: ICT Enabled
Teaching-Learning-Research

On 26th February, 2025 the Monthly Faculty Lecture was held under the aegis of Swami Vivekananda University at JCB block, Room No: Hall 2, where **Dr. Dipak Kar, Chairperson, West Bengal College Service Commission, and Former Vice Chancellor, Sidho-Kanho-Birsha University, West Bengal**, delivered an insightful lecture on the crucial topic of " Higher Education Ecosystem in Digital Era: ICT Enabled Teaching-Learning-Research " The event was graced by the presence of SVU officials, directors of various departments, faculty members, staff, and research scholars, making it a significant gathering of academic and professional minds.

Introduction

The event commenced with an opening address by **Prof. (Dr.) Ranjan Chakrabarti, Director of Research and Academic Development, SVU**. Prof. Chakrabarti highlighted the critical importance of understanding the interplay in ICT Enabled Teaching-Learning-Research in the higher education system. The session by **Dr. Dipak Kar** aimed to delve into the integration of Information and Communication Technology (ICT) in higher education, emphasizing digital education, artificial intelligence, simulations, research and development, and innovative learning methodologies.

Key Highlights of the Lecture

Dr. Kar provided a comprehensive insight into the role of ICT in modernizing the higher education ecosystem. The discussion revolved around various aspects, including digital universities, AI-driven teaching methodologies, virtual simulations, and the National Education Policy (NEP) 2020 recommendations for ICT-based education. The major points are discussed below:

1. Digital Education and ICT Integration

Dr. Kar highlighted how digital education has revolutionized learning and research. He elaborated on the components such as:



- **Digital Universities:** The transformation of traditional universities into digital hubs where ICT measures facilitate virtual learning.
- **The 'Hub and Spoke Model':** A framework where digital universities serve as centralized knowledge providers, ensuring the widespread dissemination of education.
- **Digital Libraries:** The role of technology in providing access to e-books, research papers, and scholarly materials, bridging the digital divide.

2. Artificial Intelligence in Education

Artificial Intelligence (AI) has significantly reshaped teaching and learning strategies. Dr. Kar discussed:

- **AI-Powered Chatbots** like ChatGPT assisting students and teachers in real-time queries.
- **Personalized Learning:** AI-driven systems analyzing students' learning patterns to offer customized educational content.
- **Automation of Administrative Tasks:** AI reducing the burden of repetitive tasks, allowing educators to focus on pedagogy.

3. The Role of Simulations and Virtual Laboratories

Simulation-based education was another focal point. Dr. Kar emphasized:

- **Virtual Simulation Labs:** Providing students with hands-on experience in a risk-free environment.
- **Augmented and Virtual Reality (AR/VR):** Enhancing experiential learning and research capabilities.
- **Digital Practical Training:** Making higher education more interactive and application-oriented.

4. Overcoming the Digital Divide

One of the significant challenges in digital education is the **digital divide**. Dr. Kar shed light on:

- **Infrastructure Development:** Ensuring internet connectivity and ICT tools in remote areas.
- **Digital Literacy Programs:** Training students and faculty members to efficiently use digital tools.
- **Government Initiatives:** Policies under NEP 2020 addressing disparities in access to digital education.

5. ICT-Driven Key Initiatives as per NEP 2020

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Dr. Kar elaborated on ICT-driven initiatives introduced under the National Education Technology Forum (NETF):

- **Pilot studies for online education**
- **Digital infrastructure development**
- **Blended learning models**
- **Virtual Labs for practical exposure**
- **Online assessments and examinations**
- **Training and incentives for faculty to adopt ICT**

6. Technology and Digital Transformation in Higher Education

Dr. Kar stressed the **ten top benefits of technology in higher education**:

- Increased accessibility to a variety of courses
- Enhanced student engagement through interactive learning
- Personalized education pathways
- Collaborative learning experiences
- Greater transparency and efficiency in administration
- Reduction of geographical barriers through **Global Classrooms**
- Real-time feedback and adaptive assessments
- Integration of AI for smart learning
- Cost-effective learning models
- Improved research opportunities through digital collaboration

7. Research and Academia-Industry Interface

The integration of **research and development (R&D) with industry collaborations** was a key highlight. Dr. Kar underscored:

- **Industry-University Partnerships:** Encouraging joint research projects and innovation hubs.
- **Research Cells:** Establishing dedicated cells to foster academic and industrial research.
- **Adoption of Emerging Technologies:** AI, 3D printing, flipped classrooms, virtual reading, and hybrid learning models.

8. RFID-Enabled Libraries and Digital Archives

The discussion also covered **Radio-Frequency Identification (RFID) in libraries**, improving efficiency in book lending, research material tracking, and digital resource management.

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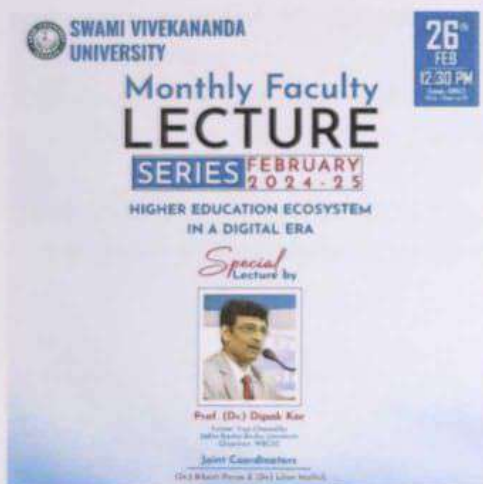
Discussion and Q&A Session

The event featured an engaging Q&A session, where participants raised questions on challenges in implementing ICT in rural institutions, the effectiveness and adaptability of flipped classrooms in India, strategies to balance traditional learning methods with digital innovations, and ethical considerations in AI-driven education. Dr. Kar provided insightful responses, emphasizing the need for continuous faculty training and a robust digital infrastructure to address these concerns.

Concluding Remarks

The session concluded with a vote of thanks, acknowledging Dr. Kar's valuable insights. The discussion reinforced the transformative power of **ICT-enabled education**, highlighting the importance of a **student-centric learning environment** powered by digital tools and emerging technologies.

Glimpses for Lecture Session:



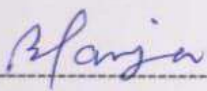


Impact and Takeaways

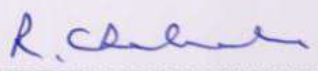
The event left a lasting impression on attendees, particularly faculty members and students, emphasizing:

- The need for **holistic digital education reforms**.
- The potential of AI and simulations in making education more **practical and immersive**.
- Strategies to ensure **equitable access to digital resources**.
- The role of **NEP 2020** in fostering digital learning.

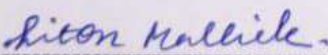
The session was a **resounding success**, sparking discussions on future collaborations and workshops on **ICT-enabled learning and research in higher education**.



Dr. Bikash Panja
Joint Co-ordinator
Monthly Faculty Lecture Series, SVU



Prof. (Dr.) Ranjan Chakrabarti,
Director, Research & Academic
Development, SVU



Dr. Liton Mallick
Joint Co-ordinator
Monthly Faculty Lecture Series, SVU



SWAMI VIVEKANANDA UNIVERSITY

EXCELLENCE * INNOVATION * ENTREPRENEURSHIP

www.swamivivekanandauniversity.ac.in

Dr. Dipak Kumar Kar
Chairman
West Bengal College Service Commission
Asanna 1/10, Rajarhat, New Town
Kolkata

Dated : 10/02/2025

Dear Dr. Kar,

Greetings from Swami Vivekananda University!

At the outset, we would like to acknowledge your outstanding contributions in the field of research and academic administration.

Swami Vivekananda University, Barrackpore, West Bengal, organizes a Faculty Lecture Series every month. It is with great pleasure that I invite you, on behalf of the University, to deliver the **Distinguished Faculty Lecture** on "Higher Education Ecosystem in a Digital Era" on **February 26, 2025, at 12:30 PM** on our campus.

Your expertise and insights will be invaluable in enriching the program, and your presence will be a source of inspiration for our faculty members and research scholars. The University will provide all necessary logistical support for your visit.

We would greatly appreciate a line of confirmation at your earliest convenience. I also need your brief CV (approx. 200 words) which will be used to introduce you before your talk.

For any further information or clarification, please feel free to contact me or **Dr. Liton Mallik** at

Mobile No. 7003185671.

With best regards,

Sincerely

R. Chakrabarti

Professor Ranjan Chakrabarti,

Director Research and Academic Development, Swami Vivekananda University
Hon. Visiting Professor, Jadavpur University
Former Vice Chancellor of Vidyasagar University and Netaji Subhas Open University (WB)

Fulbright Scholar, Brown University 1994-95
Charles Wallace Fellow, London University 1997
Alexander O'Vietor Memorial Fellow, Brown University 2004

*Received
Hem
26.02.25*



Bikash Panja <bikashp@svu.ac.in>

Faculty Lecture

2 messages

Director, Research & Development <director.research@svu.ac.in>

Thu, Feb 20, 2025 at 8:16 AM

To: Bikash Panja <bikashp@svu.ac.in>

Professor Panja

Kindly circulate to all teachers

SVU Monthly Faculty Lecture Series (Lecture 5), 26 February, 2025, Invitation regarding

Dear Esteemed Colleagues

Greetings !

Swami Vivekananda University, Barrackpore, West Bengal, regularly organizes a monthly Faculty Lecture Series and it is delivered by distinguish scholars from within SVU or outside.

In this context, I am pleased to invite you to kindly make it convenient to attend the upcoming February Faculty Lecture of the University on 26 February 2025, to be delivered by Dr Dipak Kar, **Chairman, WB College Service Commission and Ex-Vice Chancellor, Sidhu Kanho Birsha University**, on 26 February at 1.30 pm. Please find the poster of the event attached herewith for your kind perusal.

Your graceful presence along with your departmental colleagues shall greatly enrich the program and inspire our faculty and research scholars.

Please make it convenient to attend.

Time : 1.30 pm

Venue : NND 307

Warmly

Professor Ranjan Chakrabarti,
Director Research and Academic Development, Swami Vivekananda University
Hony. Visiting Professor, Jadavpur University
Former Vice Chancellor of Vidyasagar University and Netaji Subhas Open University (WB)

Fulbright Scholar, Brown University 1994-95
Charles Wallace Fellow, London University 1997
Alexander O'Vietor Memorial Fellow, Brown University 2004

Thu, Feb 20, 2025 at 10:36 PM

Bikash Panja <bikashp@svu.ac.in>

To: abirs@svu.ac.in, Ranjan Kumar <ranjank@svu.ac.in>, "Dr. Sudip Das" <sudipdas1380@gmail.com>, digantab@svu.ac.in, ranjankm@svu.ac.in, subhabratatab@svu.ac.in, tanmoys@svu.ac.in, prithap@svu.ac.in, souravm@svu.ac.in, dipanwitag@svu.ac.in, manisham@svu.ac.in, nilanjanam@svu.ac.in, olyb@svu.ac.in, subhranilm@svu.ac.in, rituparnac@svu.ac.in, pramitir@svu.ac.in, litonm@svu.ac.in, anirbanh@svu.ac.in, kallalb@svu.ac.in, debanjalia@svu.ac.in, Sujoy Bhowmik <sujoyb@svu.ac.in>, subratam@svu.ac.in, najnin.islam92@gmail.com, kazi hasibur rahman <via.kazi786@gmail.com>, sudips@svu.ac.in, srijanh@svu.ac.in, subhasiss@svu.ac.in, arups@svu.ac.in, moumitad@svu.ac.in, papiam@svu.ac.in, rajend@svu.ac.in, shubhamb@svu.ac.in, moumitac@svu.ac.in, Amitava Bhowmick <amitavabmce@gmail.com>, shantanuc@svu.ac.in

Cc: director.research@svu.ac.in, sourav@svu.ac.in, abhishek.dhar@svu.ac.in, deputy.registrar@svu.ac.in

Dear all HODs and Research Coordinators

Please find the said matter and circulate among our faculty members and research scholars.

----- Forwarded message -----

From: **Director, Research & Development** <director.research@svu.ac.in>

Date: Thu, Feb 20, 2025 at 8:16 AM

Subject: Faculty Lecture

To: Bikash Panja <bikashp@svu.ac.in>

Professor Panja

Kindly circulate to all teachers

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Director Research and Academic Development, Swami Vivekananda University
Hony. Visiting Professor, Jadavpur University
Former Vice Chancellor of Vidyasagar University and Netaji Subhas Open University (WB)

Fulbright Scholar, Brown University 1994-95
Charles Wallace Fellow, London University 1997
Alexander O'Vietor Memorial Fellow, Brown University 2004

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Thanks & Regards.

Dr. Bikash Panja

Professor, Department of Mechanical Engineering
School of Engineering, Swami Vivekananda University
Kolkata - 700121, India

Mobile: (+91) 9635973141

Monthly Faculty Lecture Series

Swami Vivekananda University



Barrackpore - Barasat Rd, Sewli Telinipara, Malir Math,
Bara Kanthalia, West Bengal 700121

February - 2025

26/02/2025

SL No.	Name	Department	signature
1	Anup Saha	Optometry	Anup Saha 26.2.2025
2.	Dr. Manas Chakraborty	Optometry	Dr. Manas Chakraborty 26.2.2025
3.	Dr. Chaitu Mondal	Education	Dr. Chaitu Mondal 26/2/25
4.	DR. RANJAN KUMAR MONDAL	CSE	Ranjan 26.2.25
5	Dr. Charu Pam	CSE	Charu 26/2/25
6.	Dr. Sanjay Nay.	CSE	Sanjay Nay 26/02/25
7.	Dr. Soumya Chakraborty	Mathematics	Soumya Chakraborty 26/02/25
8.	Dr. Sagar Chakraborty.	Mathematics	S. Chakraborty 26/02/2025
9.	Dr. Piu Samui	Mathematics	Piu Samui 26/02/2025
10.	Dr. Moumita Choudh	Mathematics	Moumita Choudh 26/02/2025
11.	Aratrika Pal	Mathematics	Aratrika Pal 26/02/25
12.	Dr. Subhasree Ghosh	Biotechnology	Subhasree Ghosh 26/02/2025
13.	Dr. Moumita Chakraborty	JMC	Moumita Chakraborty 26/2/25
14.	Pooja Misra .	JMC	Pooja Misra 26/02/25
15.	Rupak Bera	MLT	Rupak Bera 26/02/25
16	Rajen Dey	MLT	Rajen Dey 26.02.25
17.	DR. SURYENDU DASGUPTA	EE	Suryendu Dasgupta 26/2/25
18.	Arjun Bhattacharya	EE	Arjun Bhattacharya 26/2/25

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Bara Kanthalia, West Bengal 700121

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SL No.	Name	Department	signature
01.	Dr. Sudipo Das.	EE	
02.	Paushan Bandyopadhyay	EE	
03.	Dr. Runti Das	Education	
04.	Dr. Joyati Mallick	Education	
05.	Sujoy Goswami	Journalism & Mass Comm.	
06.	Kishor Kumar Thra	Journalism & Mass Comm.	
07.	Holy Banerjee	MLT	
08.	Arizit Das	Mathematics	
09.	Dr. KRITHA Das	Microbiology	
10.	Dr. Semanti Ghosh	Biotechnology	
11.	Dr. Manisha Maiti	Food and Nutrition	
12.	Megha Roy.	Food and Nutrition	
13.	Dr. Moumita Dev	Food and Nutrition	
14.	Dr. Moumita DAS	Food & Nutrition	
15.	Anurupa Das	Ophthalmology	
16.	Soumya Datta	Physiotherapy	
17.	Gourab Joyati Ray	Physiotherapy	
18.	Sunayana Ghosh Dastider	Physiotherapy	
19.	Sanhita Bose	Physiotherapy	

Monthly Faculty Lecture Series

Swami Vivekananda University



Barrackpore - Barasat Rd, Sewli Telinipara, Malir Math,

Bara Kanthalia, West Bengal 700121

February - 2025

26/02/2025

SL No.	Name	Department	signature
1.	DR. TIRNA SADHU	LITERATURE, LANGUAGE AND CULTURAL STUDIES	Tirna Sadhu
2.	Natascha Chatterjee	Literature, Language & Cultural Studies	N. Chatterjee
3.	Dr. Priyankar Pal	Dept. of Biotechnology	Priyankar Pal
4.	Dr. Samudra Pal.	Dept. of Biotechnology	Samudra Pal
5.	Sunoran Jana.	Dept of Biotechnology	S. Jana.
6.	Dr. Animesh Ghosh Bag	Dept of Agriculture	Bag
7.	Dr. Rea Mukhopadhyay	Dept. of Agriculture	R
8.	Dr. Mahafuzar Rahman	Dept. of Agriculture	M. Rahman
9.	Sayani Bhattacharya.	Dept of Agriculture	S. Bhattacharya.
10.	Tanmay Majhi	Dept of Agricultural Engineering	Tanmay Majhi
11.	Parijit Bhattacharya	Dept. of Agriculture	P. Bhattacharya
12.	Dr. Subrajyoti Roy	Dept. of Physics	S. Roy.
13.	Dr. Souvik Tewari	Dept. of Food and Nutrition	S. Tewari
14.	Souvik Roy	Dept. of Chemistry	Souvik Roy
15.	Rikta Paul	optometry	Rikta Paul
16.	Raveena Kothari	Dept. of Physiotherapy	Raveena Kothari