




School of Science & Technology, The Neotia University, India Organizes

National Level 5 Days Faculty Development Program on

Artificial Intelligence and Emerging Trends in Healthcare and Agro Business Segment

 Date: **2nd June - 6th June, 2025**  Time: **10:00am - 5:00pm**  Mode: **Hybrid Mode**

Who can attend

Faculty members and Research Scholars / PG students (All streams)

Registration Fee

Faculty: Rs. 200/- only,
Research Scholars /
PG students: No Fee

Registration Deadline

27th May, 2025

Registration Link

<https://forms.gle/YKmQyueiUcTaYw5AA>

Chief Patron

Mr. Pradipjyoti Agrawal
Pro Chancellor

Patron

Prof. Biswajit Ghosh
Vice Chancellor

Chairman

Prof. (Dr.) Partha Kumar Mukherjee
Dean, School of Science & Technology (SST)

Convenor

Dr. Usha Rani Gogoi
Assistant Professor, Computer Science & Engineering

Organizing Committee

Dr. Chandra Mukherjee
HoD, Basic Science Department

Dr. Madhu Sudan Das
HoD, Artificial Intelligence &
Machine Learning Department

Dr. Prabin Kumar Jha
HoD, Robotics &
Automation Department

Dr. Shahnawaz Ansari
HoD, Cyber Security Department & BCA

Dr. Ayan Chatterjee
Assistant Professor,
Basic Science Department

Dr. Wasim Akram Shaikh
Assistant Professor,
Basic Science Department

Resource Persons



Prof. (Dr.) Santha Kumar Mohan
Mechanical Engineering (IIT Palakkad)
Adjunct Professor, Engineering Design (IIT Madras)
Dean, Industry Collaboration and Sponsored Research (IIT Palakkad)



Dr. Asok Bandyopadhyay
Scientist F & Head,
ICT & Services Group, CDAC Kolkata



Prof. Sushil Kumar Kothari
Dean, School of Agriculture and
Allied Science, The Neotia University



Prof. Subhasis Bhaumik
Department of Aerospace Engineering
IEST Shibpur



Dr. Sujoy Saha
Assistant Professor, Department of Computer
Science & Engineering NIT Durgapur



Dr. Sruti Das Choudhury
Research Associate Professor, School of
Natural Resources & School of Computing,
University of Nebraska-Lincoln



Dr. Madhu Sudan Das
Associate Professor, Department of Computer
Science & Engineering, The Neotia University



Dr. Saroj Kumar
Senior Data Scientist
DCG Data-Core Systems, AILABS



Dr. Himadri Mukherjee
Senior Data Scientist,
AILABS



Dr. Prabin Kumar Jha
Associate Professor, Department of Robotics &
Automation Engineering, The Neotia University



Dr. Usha Rani Gogoi
Assistant Professor, Department of Computer
Science & Engineering, The Neotia University



Dr. Gururaj H.L.
Associate Professor, Department of
Information technology Manipal University
Bengaluru (Karnataka), India



Dr. Ranojit Sarkar
Assistant Professor, Department of Biotechnology,
The Neotia University



Dr. Chandra Mukherjee
Assistant Professor, Basic Science Department
The Neotia University



Prof. (Dr.) Himadri Nath Saha
Department of Computer Science &
Engineering, Calcutta University

Program Coordinators:

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PROGRAM SCHEDULE OF FACULTY DEVELOPMENT PROGRAM

Day 1 / 2nd June, 2025

| Inaugural Session | | |
|--|---------------------|--|
| Resource Person | Time | Title of Talk |
| Prof. Partha Kumar Mukherjee Dean, SST, The Neotia University | 10:00 am – 10:05 am | Welcome Address |
| Prof. Biswajit Ghosh D.Sc Vice Chancellor, The Neotia University | 10:05 am – 10:10 am | Inaugural Address |
| Prof. Prosun Trivedi Director, Research & Development Cell, TNU | 10:10 am – 10:15 am | Address to AIML driven Research and Innovation |
| Prof. (Dr.) Santha Kumar Mohan Mechanical Engineering, Indian Institute of Technology Palakkad | 10.20 am – 10:50 am | Key Note speech |
| Session - 1 | | |
| Dr. Asok Bandyopadhyay Scientist F & Head, ICT & Services Group, CDAC Kolkata | 11:00 am – 1:00 pm | AI-Driven Medical Imaging for Early Breast Cancer Detection: A Case Study |
| Session - 2 | | |
| Prof. Sushil Kumar Kothari Dean of SAAS, The Neotia University | 2:10 pm – 3:00 pm | Applications of AI in Agriculture |
| Dr. Sujoy Saha Assistant Professor, Department of Computer Science & Engineering, NIT Durgapur | 3:10 pm – 5:00 pm | i-VayuWise: A Cyber-Physical Framework for Air Quality Monitoring Integrating Sensor Health Assessment and Personalized Exposure Mitigation Strategies |

Day 2 / 3rd June, 2025

| Session - 1 | | |
|--|--------------------|---|
| Resource Person | Time | Title of Talk |
| Prof. Subhasis Bhaumik Department of Aerospace Engineering IIST Shibpur | 10:10 am – 1:00 pm | Artificial Intelligence and Robotics in Transformed Health Ecosystems – Bio-mechatronics & Bio-robotics |
| Session - 2 | | |
| Dr. Himadri Mukherjee, Senior Data Scientist, AILABS | 2:10 pm – 4:00 pm | AI for Healthcare |
| Dr. Saroj Kumar Senior Data Scientist at DCG Data-Core Systems, AILABS | 4:10 pm – 5:00 pm | AI for Agribusiness |

Day 3 / 4th June, 2025

| Session - 1 | | |
|--|--------------------|---|
| Resource Person | Time | Title of Talk |
| Dr. Sruti Das Choudhury Research Associate Professor School of Natural Resources & School of Computing, University of Nebraska-Lincoln | 9:30 am – 11:30 pm | Applications of AI and computer vision in healthcare and agriculture-A practical approach |
| Prof (Dr.) Himadri Nath Saha Department of Computer Science & Engineering Calcutta University | 11:30 am – 1:30 pm | Revolutionizing Healthcare with AI: Innovations and Future Directions |
| Session - 2 | | |
| Dr. Usha Rani Gogoi, Assistant Professor, Department of CSE, The Neotia University | 2:30 pm – 4:00 pm | Medical Image analysis and breast abnormality prediction using AI |
| Dr. Prabin Kumar Jha, Associate Professor, Department of Robotics & Automation, The Neotia University | 4:10 pm – 5:00 pm | Comprehensive Overview of Miniature Soft Robotics for Healthcare |

PROGRAM SCHEDULE OF FACULTY DEVELOPMENT PROGRAM

Day 4 5th June, 2025

| Session - 1 | | |
|---|---------------------|---|
| Resource Person | Time | Tittle of Talk |
| Dr. Ranojit Sarkar, Assistant Professor, Department of Biotechnology, The Neotia University | 10:10 am – 12:00 am | Deep Learning for Protein Structure Prediction (AlphaFold, RosettaFold) |
| Dr. Madhu Sudan Das Associate Professor, Department of Computer Science & Engineering, The Neotia University | 12:10 pm – 1:00 pm | Deep Learning in Healthcare: From Theory to Practice. |
| Session - 2 | | |
| Dr. Gururaj H.L. Associate Professor Department of Information Technology Manipal University Bengaluru, India | 2:10 pm – 5:00 pm | AI-Driven Predictive Analytics in Healthcare |

Day 5 6th June, 2025

| Session - 1 | | |
|---|---------------------|---|
| Resource Person | Time | Tittle of Talk |
| Dr. Chandra Mukherjee Assistant Professor, Basic Science Department, The Neotia University | 10:10 am – 11:00 am | Emerging trends in Hazardous Healthcare and Agricultural Waste Management for environmental sustainability. |
| Dr. Gururaj H.L. Associate Professor, Department of Information Technology, Manipal University Bengaluru, India | 11:10 am – 1:00 pm | Leveraging AI for Smart Agriculture |
| Session - 2 | | |
| Dr. Gururaj H.L. Associate Professor, Department of Information Technology, Manipal University Bengaluru, India | 2:10 pm – 4:00 pm | AI in Supply Chain Optimization for Agri and Healthcare Sectors |

Assessment:

4:10 pm – 4:30 pm

Valedictory:

4:35 pm – 4:50 pm

*Certificate will be awarded to all the participants who successfully complete the program.

For Admission related details, Call:

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