

FDP Schedule

| Date | Session Timing | Topic | Expert Details |
|------------|----------------------|--|---|
| 18.07.2024 | 11:00 AM to 01:00 PM | Recommended Systems: A Machine Learning Applications | Dr. Bidyut Patra (IIT Varanasi) |
| 19.07.2024 | 11:00 AM to 01:00 PM | Resilient Control of Cyber-Physical-Social Systems | Dr. Bharadwaj Satchidanandan (IIT Madras) |
| 19.07.2024 | 3:00 PM to 05:00 PM | Cyber Security Aspects in Electric Grid | Dr.B.R. Bhalja, IIT Roorkee |

Resource Persons

1. Dr. Bidyut Patra, Indian Institute of Technology, Varanasi
2. Dr. Bharadwaj Satchidananda, Indian Institute of Technology, Madras
3. Dr. B.R.Bhalja, Indian Institute of Technology, Roorkee

HIGHLIGHTS

- Certificates of participation will be given to all those who register and attend all the sessions.
- Registration Fee of Rs. 500 will be charged. However, for SRM faculty/students, there will be no fee.
- Those interested may deposit their fee (bank details given below) and register on the Google link below.
- Deadline for Registration: 17th July 2024
- Share the transaction slip through WhatsApp on **9650160546**

REGISTRATION LINK

<https://forms.gle/3Jt1U3xquupfDqGh6>

Account Name: SRM EDUCATION & RESEARCH INSTITUTE

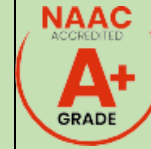
Account Type: CURRENT ACCOUNT

Account No: 12330100200333

IFSC CODE: FDRL0002116

Bank Name: FEDERAL BANK LIMITED

Branch Address: KUNDLI, HARYANA-131028



Two days FDP Program
On

Smart Electrical Science: A way forward

18th July-19th July, 2024

Mode of FDP: Hybrid

Organized by:

Department of Electrical and Electronics Engineering
Faculty of Engineering and Technology
SRM University Delhi-NCR, Sonapat, Haryana39, Rajiv Gandhi
Education City, Delhi-NCR, Sonapat-131029, Haryana (India)

SRM UNIVERSITY DELHI-NCR, SONEPAT

SRM University Haryana, part of the SRM Group, was established in 2013 in Sonapat, Haryana. Offering diverse undergraduate, postgraduate, and doctoral programs, the university focuses on engineering, management, science, humanities, and law. Accredited with an impressive A+ grade by the National Assessment and Accreditation Council (NAAC), it emphasizes research, innovation, and robust industry-academia collaboration. The university actively collaborates with industries and international institutions to enhance practical exposure and industry relevance for students. The campus provides modern infrastructure, including classrooms, laboratories, and libraries. The university's placement cell aids in career guidance and job opportunities, fostering a holistic learning environment

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering was established in 2013 and offers a B.Tech (EEE) program at the undergraduate level. The department is committed to providing active hands-on and experiential learning. It ensures quality classroom teaching through talented and motivated faculty, who deliver fundamental concepts and the latest trends to strengthen the learning process, invoke critical thinking, and develop problem-solving skills in students.

EXPECTED OUTCOMES

1. Recommended Systems: A Machine Learning Applications (Dr. Bidyut Patra, IIT Varanasi)

- Acquire in-depth knowledge of recommendation systems and their significance in various applications.
- Learn about different machine learning algorithms used in building recommendation systems.
- Understand the process of developing and evaluating recommendation models.
- Explore practical examples and case studies of recommendation systems in diverse domains.
- Enhance skills in applying machine learning techniques to improve the accuracy and efficiency of recommendation systems.
- Stay updated with the latest research trends and innovations in the field of recommendation systems.

2. Resilient Control of Cyber-Physical-Social Systems (Dr. Bharadwaj Satchidanandan, IIT Madras)

- Understand the fundamental principles of cyber-physical-social systems and their interdependencies.
- Learn about the resilience strategies for maintaining system stability and performance under adverse conditions.
- Develop expertise in designing control systems that can withstand cyber threats and social disruptions.
- Explore various methodologies for assessing and improving the resilience of integrated systems.
- Gain insights into current research and developments in resilient control systems.

3. Cyber Security Aspects in Electric Grid (Dr. B.R. Bhalja, IIT Roorkee)

- Gain a comprehensive understanding of cyber threats specific to electric grids.
- Develop strategies to effectively mitigate and manage these risks.
- Acquire knowledge of various security protocols and measures used to protect electric grids.
- Implement best practices for securing electric grid infrastructure.
- Develop skills for creating and executing incident response plans for cyber-attacks on electric grids.
- Learn techniques for rapid recovery and restoration of services following a cyber incident.
- Understand national and international regulatory and compliance standards for cyber security in electric grids.

CHIEF PATRONS



Dr. T. R. Paari Vendhar
Hon'ble Founder Chancellor
SRM Institute of Science & Technology, Chennai



Dr. Ravi Pachamuthu
Hon'ble Chancellor
SRM University Delhi - NCR, Sonapat

PATRONS



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