Presently, the institution offers 5 under-graduate Engineering courses (CIVIL, CSE, ECE, EEE, and MECH), 3 post-graduate Engineering courses (CSE, AE, and PED) and Management Studies (MBA). This Institute aims

- To create innovative and vibrant young minds
- To inculcate academic excellence with social relevance
- To transform lives by empowering the rural community
- To provide excellent inclusive Engineering education with high values

About the Department

Department of Electrical and Electronics Engineering (EEE) is established in the year 2002 to meet the requirements of the emerging Electrical and Electronics technologies in industries and factories with a precise consultation with various esteemed stakeholders.

It offers an undergraduate program (B.E-Electrical and Electronics Engineering) and a postgraduate program (M.E- Power Electronics and Drives). The department has well-experienced faculty members who extend their versatile research capabilities in multifaceted areas. The lab facilities are structured aiming the industrial set up, so as to give the students industrial exposure and to motivate the students to design, analyze and create prototype models for the optimized operation of various technologies which can make a big difference in the society.

Vision

To enrich the competence of students in Scientific and Technological challenges to succeed in a global competitive environment with moral ethics.

Mission

- To reinforce the competence of the students through creative Teaching-Learning process and innovative academic activities.
- To introduce emerging trends in Electrical and Electronics Engineering and to make the platform to showcase their engineering skills.
- To produce Electrical Engineers with etiquette for serving the society.

For Further details Contact

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SCAD COLLEGE OF ENGINEERING & TECHNOLOGY
Recognized under Section 2(f) & 12(B) of the UGC Act, 1956
Approved by AICTE | Affiliated to Anna University, Chennai
Cheranmahadevi, Tirunelveli - 627414

AICTE Training and Learning (ATAL) Academy sponsored Six Days FDP on

BIG DATA ANALYTICS FOR SMART GRID

August 5th to August 10th, 2024

Organized by

Department of Electrical & Electronics Engineering

Coordinator	Co-coordinator
Dr. J Bastin Solai Nazaran	**Dr. Ann Rufus A**
Professor	Associate Professor
EEE Department	EEE Department

About the Course

The objectives of a basic Faculty Development Program (FDP) on big data analytics for smart grids include understanding foundational concepts, exploring smart grid technologies, mastering data collection and storage methods, learning data processing techniques, introducing relevant analytics tools, examining real-world use cases, addressing security and privacy concerns, fostering interdisciplinary learning, facilitating hands-on exercises, and devising effective assessment strategies. Through these objectives, engineering educators aim to gain comprehensive knowledge and skills essential for teaching students about the integration of big data analytics in smart grid systems. This prepares educators to impart valuable insights, promote innovation, and cultivate a deeper understanding of the dynamic energy landscape among students.

Topics Covered

- Need of Data Analysis in Smart Grid
- Intelligent Data Collection Devices in Smart Grid
- Data Science Pertaining to Smart Grid Analytics
- Tools for Big Data Analytics
- Conventional Machine Learning Algorithms for Data Analytics
- Advanced Machine Learning Algorithms for Data Analytics
- Big Data Analytics for Smart Grid- Case Studies

Eligibility

Faculty members of AICTE-approved institutions, universities, research scholars, PG Scholars, participants from government, industry (bureaucrats/technicians/Participants from industry, etc.), and engineers from R&D labs.

The number of participants is limited to 50. ATAL FDPs are completely free for participants.

Selection of the participants will be based on a first-come, first-served basis and based on their area of research work. The coordinator's decision will be final in the selection of participants.

Details of Registration

Registration has to done only through
https://atalacademy.aicte-india.org/
Kindly visit
https://atalacademy.aicteindia.org/FAQs
for more information.

FREE REGISTRATION for all participants
Minimum 80% attendance and 60% Marks are required to earn certificate.

AICTE –Training and Learning (ATAL) Academy

The Government of India in association with AICTE launched the ATAL academy in 2018. The Vision of ATAL academy is to empower faculty to achieve goals of Higher Education such as access, equity and quality.

Objectives of ATAL Academy

- To set up an Academy which will plan and help in imparting quality technical education in the country
- To support technical institutions in fostering research, innovation and entrepreneurship through training
- To stress upon empowering technical teachers & technicians using Information & Communication Technology
- To utilize SWAYAM platform and other resource for the delivery of trainings.
- To provide a variety of opportunities for training and exchange of experiences. Such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes.
- To support policy makers for incorporating training as per requirements.

About the College:

SCAD College of Engineering and Technology is an ISO 9001:2015 certified institution, recognized by UGC under section 2(f) and 12(B) of UGC act, 1956, approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. It was established in 2001 by the SCAD Group. It is a serene campus of 150 acres and serves as one of the citadels for Engineering in the southern region. SCAD CET aims to impart knowledge, skills, teamwork, innovation, entrepreneurship, courage, responsibility and has been bestowed with a number of awards and recognitions from the technical and non-technical forums.