

Resource Person

Sessions will be handled by eminent persons from reputed institutions/Industries.

How to Apply

The applicants should register at AICTE-ATAL web portal at the earliest

Website : <http://www.aicte-india-org/atal>

ELIGIBILITY AND SELECTION

Sessions will be handled by eminent persons from reputed Institutions/Industries. Faculty members of AICTE approved Engineering Colleges, research Scholars, PG scholars, Participants from Govt. and Industry can apply. Selection is on “first come first serve” basis. Selection will be intimated through mail and selected participants should confirm their participation.

REGISTRATION:

- No registration fees
- TA/DA will not be provided
- Attendance for all sessions is mandatory
- Exam will be conducted at the end for certification

ORGANISING COMMITTEE

Chief Patron

Sri. G. Sukumaran Nair
Chairman, Governing Body,
NSS College of Engineering, Palakkad

Patron

Dr. Suresh P R,
Principal, NSS College of Engineering
Palakkad

Chairman

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Advisory Committee

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Dr. Vasanthi V
Dr. Pradip.C
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Dept. of Electrical and Electronics Engineering.
NSS College of Engineering, Palakkad



**AICTE Training and Learning
Academy(ATAL)
sponsored**

**Online One-Week
Faculty Development Program
on**

**IoT APPLICATIONS IN
RENEWABLE
TECHNOLOGIES**

Organized by
**Dept. of Electrical & Electronics
Engineering
NSS College of Engineering
Akathethara, Palakkad-678008
Kerala**

Affiliated to APJAKTU and approved by AICTE
(Accredited by NBA)

during

22nd to 26th November 2021

ATAL ACADEMY:

ATAL Programme is an initiative by AICTE which aims at empowering faculty to achieve goals of Higher Education such as access, equity and quality. These programs have been designed to fulfill the need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines.

The objectives of ATAL FDP are

- To support technical institutions in fostering research innovation and entrepreneurship through training.
- To stress upon empowering technical teachers & technicians using ICT
- To provide a variety of opportunities for training and exchange of experiences such as workshops, orientations, learning communities, peer mentoring and other FDPs.

NSS College of Engineering

NSS College of Engineering, Palakkad, one of the oldest engineering educational institutions in Kerala, was formed in 1960 by Nair Service Society under the leadership of the late Bharatha Kesari Mannathu Padmanabhan, during the second five-year plan with the assistance of the Central and State Governments under the Grant-in Aid Scheme. The college is now affiliated to the APJ Abdul Kalam Technological University, Kerala, and offers six B.Tech Programs and five M.Tech Programs.

Electrical and Electronics Engineering Department

The department of Electrical and Electronics Engineering is one of the oldest departments with which the college was established in 1960. The department has well qualified faculty members having specialization in different areas of Electrical and Electronics Engineering and offers B.Tech. course and M.Tech. (Power Electronics) course. The department has well equipped laboratories and is supported by committed technical staff. The department has more than 540 students and has strong alumni constellation spread all over the world.

Department Vision

Excellence in moulding technically competent and societally committed Electrical and Electronic Engineers.

Department Mission

- Impart knowledge to enhance competence through quality education of global standards.
- Foster strong moral and ethical values in professional engineers to meet the needs of the society and industry.
- Motivate professionals to update their knowledge and habituate lifelong learning

About the FDP

The Internet of Things (IoT) is the network of physical objects or “things” embedded with electronics, software, sensors, and network connectivity. IoT allows objects to be controlled remotely across existing network infrastructure, creating opportunities for more direct integration between physical world and computer-based systems, and resulting in improved efficiency, accuracy and economic benefits. The internet of things is a concept that will have an enormous effect on the world. The workshop is aimed at providing subject knowledge in IoT and making all participants capable of developing confidence in implementing IoT based works for their use and research purposes.

Course Contents:

- Hardware and Software Framework for IoT
- IoT for Electrical Applications
- Hands on Training Sessions
- IoT for Renewable Power
- Data Analytics using IoT
- IoT for Electric Vehicles
- IoT for Smart Grid
- Stress Management