About the programme

The rapid advancement and development in 5G and IoT technologies will have a significant impact on the economy of the nation. The combined IoT and 5G technologies had an impact on the mobile industry by offering enhanced speed, bandwidth, and energy efficiency with lower latency. This FDP will provide an opportunity to the faculty members, researchers and students to get insight into the emerging trends in 5G and beyond with IoT. It will further encourage the participants to comprehend the challenges and opportunities in the aforementioned context and bringing out the novel and more efficient techniques. The expert invited speakers with their extensive research experiences will motivate the participants to explore on 5G and IoT enabled use cases.

Topics covered

- Evolution of Technologies from 5G to 6G and IoT
- Air interface towards 5 G
- Massive MIMO enabled 5G Communication
- Machine learning and deep learning approaches for 5G & IoT
- 5G RAN and core network architecture and Use cases
- 5G Smart antennas and simulation tools
- 5G enabled SDN and Cognitive Radio Networks
- Mathworks solutions for 5G technology
- IoT Technologies and protocol stack & Hands on training on IoT
- IoT edge computing
- Security in 5G/IoT Networks
- Deployment of various use cases (Smart cities, Urban development, Healthcare, Agriculture) using IoT

Eligibility

The faculty members of AICTE approved Institutions, Universities, research scholars; participants form Government, Industry (Bureaucrats/ Technicians/Industry experts etc.) and professionals from R&D labs.

Number of participants is limited to 30. There is no registration fee and selection of the participants will be based on the first come first serve basis.

Resource Person

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

Registration

Registration must be done only through
https://atalacademy.aicte-india.org/
For more information, kindly visit
https://aralacademy.aicte-india.org/FAQs

Contact Details

Dr. L.Bhagyalakshmi Phone: +91-9841751064

E-mail:

bhagyalakshmi.l@rajalakshmi.edu.in

AICTE Training and Learning (ATAL) Academy

Faculty Development Programme (FDP) On

Applications of Internet of Things Networks in 5G and Beyond
11th – 16th December 2023

Coordinator
Dr. L.Bhagyalakshmi

Co-coordinator
Dr.S.Chitra

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Rajalakshmi Engineering College Thandalam
CHENNAI – 602105
www.rajalakshmi.org

AICTE –Teaching and Learning (ATAL) Academy

The main objective of ATAL academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

About The Institute

Rajalakshmi Engineering College, Chennai an autonomous institution affiliated to Anna University, Chennai, was established in the year 1997, under the aegis of Rajalakshmi Educational Trust, whose members have had consummate experience in the fields of education and industry. The College presently offers 19 Under Graduate and 9 Post Graduate programmes, with an annual intake of more than 2000 students. 10 of our departments are recognized as Research Centres of Anna University to conduct Ph.D. and M.S. (By Research) programmes and many scholars have obtained Ph.D. through these research centres. All the eligible programmes are accredited by NBA and the college is accredited by NAAC with the highest 'A++' Grade and all these achievements have resulted in REC securing 86th ranking in NIRF in 2023. The college has also secured 12(b) status from UGC. The DSIR, GoI has recognised the College as a Scientific and Industrial Research

Organisation (SIRO), considering its potential for Research and Development activities. There are 15 Centres of Excellence in the college, in various emerging areas, actively engaged in carrying out extensive research and industrial consultancy activities. The establishment of 'AICTE-IDEA' factory is a recent addition for innovative product development.

About The Department

The Department of ECE was established in the year 1997, with the aim of producing highly proficient graduates, to cater to the needs of growing Electronics and Telecom Industries in this digital era. The Department of Electronics and Communication Engineering offers the PG course on M.E.-Communication Systems. The Department is recognized as a Research Centre by Anna University, Chennai to pursue Ph.D. program in Information and Communication Engineering. The Department has received research grants from various external agencies such as DST, DRDO, AICTE, BRNS, TNSCST etc. The Department is well equipped with state-of the- art research labs.

The prominent and leading employers HCL, CTS, Wipro, Infosys, TCS, EmbedUR, Zoho engineering ventures have made the placement record of the department excellent.

ORGANIZING COMMITTEE

Chief Patron
Thiru.S.Meganathan.
 Chairman.

Dr. (Mrs)Thangam Meganathan.
 Chairperson.

Thiru.Abhay Shankar Meganathan.
 Vice-Chairman

Patron
Dr.S.N.Murugesan.
 Principal

Convenor
Dr. M.Palanivelan.
Professor & Director PG studies
ECE

Coordinator
Dr.L.Bhagyalakshmi/
Professor/ECE

Co-Coordinator
Dr.S.Chitra/ Professor/ ECE