ABOUT ANNAMALAI UNIVERSITY

In the early 1920s Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S. R. M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a university. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929). One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013: Annamalai University is accredited with 'A+' Grade by NAAC in 2022. In 2023 NIRF (National institutional ranking frame work) of the Ministry of Human Resource Development, Government of India ranked Annamalai University, category wise as 151- 200 band (overall), 12th (Pharmacy) and 35th (Medical). In 2021, Times Higher Education World University ranking placed Annamalai university at 1000+ (overall), 601 (clinical and health subjects), 801-1000 band (Engineering sciences) and 1000 plus (Physical sciences). In 2021, U.K. based Quacquarelli Symonds (QS) company has placed Annamalai university at 301- 350 band (Asia) and 39 (India). In 2019, centre for Science and Technology studies of Leiden University in Netherlands (CWTS). ranked Annamalai University as 23rd (Number of publications) and 7th (frequency of citation). In 2019, Scimago, a research group working on scientific influences in University of Granada, Madrid in SpainMadrid in Spain ranked Annamalai university as 29th (India) and 9th (Tamilnadu). Annamalai University is one of the largest unitary, teaching, and residential Universities in Southern Asia comprising of 10 Faculties and 55 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youths cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous. Annamalainagar, the University Town, is located just to the east of Chidambaram, the Abode of the Cosmic Dancer, Lord Nataraja.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering, a DST-FIST supported and UGC-SAP sponsored department was established in the year 1988. Department of Electronics and Instrumentation Engineering, Annamalai University is the second of its kind in the state of Tamilnadu to offer an under graduate programme in Electronics and Instrumentation Engineering. It offers one Under-Graduate programme B.E (Electronics and Instrumentation) , one Post-Graduate Programme M.E (Process Control and Instrumentation), and also research programme (Ph.D.) in various fields of Instrumentation and Control Engineering, Micro Electro Mechanical Systems (MEMS) and Bio Medical Instrumentation for both regular and part-time scholars. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state-of-the-art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels.

VISION OF THE DEPARTMENT

To nurture higher echelons of technology through participative education, innovative and collaborative research with a view to bring out employable graduates of international standard and to achieve excellence in all spheres of education.

ABOUT THE FDP

The FDP on "IoT and Machine Learning Approaches for Smart Agriculture" aims to delve into the transformative potential of emerging technologies in revolutionizing modern farming practices. This event will bring together experts, researchers, practitioners, and enthusiasts in the fields of agriculture, IoT, and machine learning to explore innovative solutions for enhancing agricultural productivity, sustainability, and efficiency. In digital agriculture management, highlighting the integration of AI, IoT devices, machine learning, and sensor technology in enhancing farming efficiency and productivity. Emphasis is placed on the use of robotics, drones for crop monitoring, and smart irrigation systems, which leverage real-time data for Optimized agricultural operations. The role of high-speed 5G networks in enabling these smart Agriculture farming solutions, particularly their impact on data transmission and connectivity in rural settings. Challenges and opportunities in implementing Smart Agriculture in developing countries are explored, focusing on real-time soil analysis and decision-making aids for farmers. This FDP aims to provide a nuanced understanding of the current and future potential of AI and IoT in reshaping agricultural practices, addressing global food security challenges, and supporting sustainable development.

The objectives of this FDP are as follows.

✓ Exploring the Intersection of IoT and Machine Learning in Agricultural Optimization

✓ Understanding the Role of IoT and Machine Learning in Revolutionizing Agriculture

✓ Showcasing Innovative Applications of IoT and Machine Learning in Smart Agriculture

✓ Discussing the Potential of IoT and Machine Learning for Sustainable Farming Practices

✓ Identifying Opportunities and Challenges in Implementing IoT and Machine Learning in Agriculture

The outcomes of the FDP on IoT and Machine Learning Approaches for Smart Agriculture are expected to be multifaceted, impacting various stakeholders involved in agriculture and technology. Overall, the outcome of the programme is expected to be a catalytic shift towards smarter, more efficient, and sustainable agricultural practices enabled by the integration of IoT and machine learning technologies.

RESOURCE PERSONS

Faculty experts from reputed colleges, Invited experts from Industries and Research organizations.

ACCOMMODATION

Working lunch will be provided by the organizers. Interested participants will be offered accommodation in the University Hostels / Guest House on payment basis. TA to outstation participants will be paid as per AICTE regulations. Reimbursement for travel will be made only on the production of original tickets.

LOCATION

Annamalai University is located at the abode of Lord Nataraja in the temple town of Chidambaram. Chidambaram is at 240 KM south of Chennai and around 150 KM north of Trichy.

ELIGIBLE CANDIDATES:

Assistant Professors / Associate Professor / Ph.D. Scholars & PG students

IMPORTANT DATES

Submission of Registration Form (online) : 06.12.2024
Intimation of selection (e-Mail) : 08.12.2024
Confirmation of participation by
selected participants (e-Mail) : 10.12.2024

REGISTRATION FEE: Free
GUIDELINE FOR REGISTRATION:

• Participants can sign up and register for the program through the AICTE ATAL website using the following links:
https://www.aicte-india.org/atal (or)
https://atalacademy.aicte india.org/signup.

• The application form in the prescribed format duly recommended by the Head of the Institution should reach the coordinators within the specified time through Mail.

• The application number of our FDP: 1715446819

• The participants must to fill the online registration google form through the following QR Code / link:
https://forms.gle/EVybFZ2r4xTY5WRb9

SCAN ME TO REGISTER

SELECTION IS LIMITED TO 40 PARTICIPANTS BASED ON FIRST COME FIRST SERVE BASIS

Panel 1 — Registration Form

Annamalai University

AICTE Training and Learning (ATAL)
(A State University Accredited with 'A+ ' Grade by NAAC)
Annamalainagar-608002

Sponsored Six Days
Faculty Development Programme (FDP) on
IOT AND MACHINE LEARNING APPROACHES FOR SMART AGRICULTURE (IMLASA2024)
16.12.2024 to 21.12.2024

Department of Electronics and Instrumentation Engineering

Registration form

Name   : ....
Designation   : ....
Department   : ....
Institution   : ....
Address for
Communication: ....
                : ....
Mobile   : ....
E-mail ID   : ....
Category   : Academic/ Industry/ Research scholar/
                / Project Fellow & PG students

Need of Accommodation: Yes / No

Type of Accommodation: Hostel / Guest house

Declaration by Participant

The information above is true to the best of my knowledge. If selected, I agree to abide the rules and regulation of the programme and shall attend the entire duration

Signature

Sponsorship Certificate

Dr./Mr./Ms .... is a bonafide full time faculty / Student of ....
He/She is sponsored to attend the Faculty Development Programme on "IoT and Machine Learning Approaches for Smart Agriculture" from 16.12.2024 to 21.12.2024.
Place:
Date:

Signature of the Principal / Head of the Institution

Panel 2 — Organising Committee

ORGANISING COMMITTEE

Chief Patrons : **Thiru. T. ABRAHAM, I.A.S.**
Convenor - Vice Chancellor Committee
Thiru. G.K. ARUN SUNDAR THAYALAN, I.A.S.
Member - Vice Chancellor Committee
Dr.T. ARUTSELVI., Ph.D.,
Member - Vice Chancellor Committee
Professor & Dean ,
Faculty of Fine Arts. Annamalai University.

Patron   : **Prof. M. PRAKASH., Ph.D.,**
Registrar i/c, Annamalai University.

President   : **Dr. C. KARTHIKEYAN., Ph.D.,**
Dean, FEAT, Annamalai University.

Convener   : **Dr. V. ALAMELUMANGAI., Ph.D.,**
Professor & Head, Dept of EIE, Annamalai University.

Coordinators : **Dr. G. SAKTHIVEL., Ph.D.,**
Dr. R. VINODHA., Ph.D.,
Professors, Dept of EIE, Annamalai University

ADDRESS FOR COMMUNICATION

Dr. G. SAKTHIVEL & Dr. R. VINODHA
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Dept. of Electronics and Instrumentation Engineering
Faculty of Engineering and Technology.
Annamalai University, Annamalainagar-608002
Chidambaram, Tamilnadu
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Panel 3 — Cover

ANNAMALAI UNIVERSITY
(A State University Accredited with 'A+ ' Grade by NAAC)
Annamalainagar-608002

AICTE Training and Learning (ATAL)
sponsored
Six Days Faculty Development Programme (FDP)
on
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Coordinators
Dr. G. SAKTHIVEL
Dr. R. VINODHA

Organized By
Department of Electronics and Instrumentation Engineering
FACULTY OF ENGINEERING AND TECHNOLOGY
ANNAMALAI UNIVERSITY
Annamalainagar-608002
Chidambaram, Tamilnadu