

ANNAMALAI UNIVERSITY

(A State University Accredited with 'A+' Grade by NAAC)

Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0)

Entrepreneurship and Career Hub

Sponsored

Two Days National Workshop on

GETTING STARTED WITH ARDUINO: FROM THEORY TO PRACTICE (GSAFTP2025)

16.12.2025 & 17.12.2025

Department of Electronics and Instrumentation

Engineering

Registration Form

Name :

Designation :

Department :

Institution :

Address for Communication:.....

.....

Mobile :

E-mail ID :

Category : Academic/ Industry/ Research scholar/

U & PG students / Polytechnic Students

Need for 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 regulations 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 Workshop Programme on "GETTING STARTED WITH ARDUINO: FROM THEORY TO PRACTICE (GSAFTP2025)" from 16.12.2025 & 17.12.2025.

Place:

Date:

Signature of the Principal/ Head of the Institution

ORGANISING COMMITTEE

- Chief Patron** : Prof. S. ARIVUDAINAMBI
Member, Vice-Chancellor Convener Committee
Annamalai University.
- Patron** : Prof. R. SINGARAVEL
Registrar (i/c), Annamalai University.
- President** : Prof. C. KARTHIKEYAN
Dean, FEAT, Annamalai University.
- Convener** : Dr. V. ALAMELUMANGAI
Professor & Head,
Dept of EIE, Annamalai University.
- Advisors** : Dr. R. SUDARKODI RUSA., SPD., TN.,
Dr. S. K. NAGARAJAN RUSA., SPD., TN.,
Dr. J. SIVAKUMAR RUSA., SPD., TN.,
Dr. N. RAJENDRAPRASAD
RUSA Coordinator, AU.
- Coordinators** : Dr. G. SAKTHIVEL
Dr. R. VINODHA
Professors,
Dept of EIE, Annamalai University

ACCOMMODATION

Interested participants will be offered accommodation in the University Hostels / Guest House on payment basis.

RESOURCE PERSONS

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

ADDRESS FOR COMMUNICATION

Dr. G. SAKTHIVEL / Dr. R. VINODHA

Professors,
Dept. of Electronics and Instrumentation Engineering
Faculty of Engineering and Technology.
Annamalai University,
Annamalainagar-608002
Chidambaram, Tamilnadu
Mobile: 9443270714/9488493827
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website: www.annamalaiuniversity.ac.in



SCAN ME
TO REGISTER



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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



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 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.

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 DEPARTMENT

The Department of Electronics and Instrumentation Engineering, a DST-FIST supported and UGC-SAP sponsored department was established in the year 1988. The Department of Electronics and Instrumentation Engineering, Annamalai University is 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, and a young and dynamic faculty is involved in providing quality education at both UG and PG levels.

ABOUT THE WORKSHOP

This two-day hands-on workshop titled “Getting Started with Arduino: from theory to practice” is designed to introduce participants to the fundamentals of microcontroller programming and embedded systems using the popular Arduino platform. The workshop combines essential theoretical concepts delivered by subject experts with practical sessions to help participants gain confidence in building simple electronic circuits and interactive projects. Participants will learn how to set up and program the Arduino board, work with input and output devices such as LEDs, push buttons, buzzers, sensors (LDR, potentiometer), and develop basic embedded applications such as automatic lighting, temperature monitoring systems, motion detection, smart soil irrigation, obstacle detection, and other real-time automation projects.

The workshop aims to provide a solid foundation for beginners in electronics, programming, and automation, making it ideal for students, educators, and hobbyists interested in embedded technology. By the end of the workshop, attendees will be able to create mini-projects, understand core programming logic, and explore further innovations in embedded systems.

The objectives of this Workshop are as follows.

- To introduce the fundamentals of embedded systems and microcontrollers using Arduino.
- To familiarize participants with Arduino hardware and the Arduino IDE.
- To develop skills in writing, uploading, and testing simple Arduino programs.
- To provide hands-on experience through real-time mini projects.
- To promote logical thinking, circuit design, and basic programming skills.

By the end of the workshop, participants will understand how to use the Arduino board, write basic programs, and interface electronic components such as LEDs, switches, actuators, and sensors. They will gain practical experience in building small circuits and simple projects, fostering their interest and confidence in electronics and embedded systems.

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.

IMPORTANT DATES

Last Date for Registration	: 05-12-2025
Intimation to Participants (e-Mail)	: 08-12-2025
Confirmation of participations by selected Participants (e-Mail)	: 10-12-2025

REGISTRATION

- No Registration Fee
- Selection is limited to 50 participants based on First Come First Serve basis

ELIGIBLE CANDIDATES:

Academics / Ph.D. Scholars / Project Fellow / UG & PG students / Polytechnic Students