

CHIEF PATRON

Rev. Fr. Dr. A. Francis Xavier, S.J
Secretary & Director

CHAIRMAN

Dr. O. Mahesh,
Principal

PATRON

Rev. Fr. D. Balaswamy, S.J
Assistant Director
Rev. Fr. N. Britto Martin Paul, S.J
Assistant Director

CONVENER

Dr. G. Naveen Kumar,
Professor, EEE

CO-ORDINATORS

Mr. T. Krishna Mohan
Assistant Professor, Department of EEE

Mrs. V. Anantha Lakshmi
Assistant Professor, Department of EEE

ORGANIZING COMMITTEE

Dr. M. Ajay Kumar, Associate Professor
Mr. M Ramesh Kumar, Assistant Professor
Mr. G. Gantaiah Swamy, Assistant Professor
Mr. L. Karunakar, Assistant Professor
Mr. M. Rama Krishna, Assistant Professor
Mr. D. Ravi Kiran, Assistant Professor

IMPORTANT DATES

Last date for Registration : 28th Oct 2021

REGISTRATION FEE

- Rs. 300/- Per Participant.

HOW TO APPLY?

For online registration, go through the college website www.aliet.ac.in or the Registration form in the prescribed proforma duly signed by the Head of the Institution / Organization should reach the convener on or before **28th Oct 2021**.

ADDRESS FOR COMMUNICATION

Mr. T. Krishna Mohan 9908039885
Assistant Professor, EEE Department
Mrs. V. Anantha Lakshmi 9290812971
Assistant Professor, EEE Department

Email: alieteeehod@gmail.com

STUDENT CO-ORDINATORS:

Mr. Sk. Subhani 93815 63046
(IV B.Tech EEE)
Ms. A. Rakshitha 93905 20567
(IV B.Tech EEE)

For detailed information go through the college web site: www.aliet.ac.in

Limited Number of Registrations are Available

A One Week Certification Program

On

“Industrial Automation with PLC”

01st – 08th Nov 2021

ORGANIZED BY

Department of
**ELECTRICAL & ELECTRONICS
ENGINEERING**

(In Association with IQAC)

&

Collaboration with



ANDHRA LOYOLA

INSTITUTE OF ENGINEERING & TECHNOLOGY
(Accredited with NAAC & NBA, Approved by AICTE,
Affiliated to JNTUK)

Polytechnique Post Office Road, Beside Kaladarsini,
Krishna (Dist.), Andhra Pradesh-520 008

Ph: 0866-2476161

ABOUT THE COLLEGE

Andhra Loyola Institute of Engineering and Technology (ALIET) is a sister institution of the reputed Andhra Loyola College, Vijayawada. These two institutions are administrated and run by Loyola College Society, Guntur-Vijayawada.

ALIET was approved by AICTE- New Delhi, on 04-06-2008 and is also an ISO 9001:2008 certified institution. The institution is recognized by the government of Andhra Pradesh and affiliated to JNTUK. The institute is offering 6 UG programs an intake of 540 (CSE-120, ECE-120, EEE-60, MECH-120, CIVIL-60 & IT-60), PG programs (MBA (60)). Our institute is partially running with the solar power.

ABOUT EEE DEPARTMENT

The Department of EEE has been offering a full time four year B.Tech Degree course since the inception of the institution. The department is provided with all required infrastructural facilities like well equipped laboratories, well qualified & dedicated faculty and technically sound supporting staff. It is continuously striving to impart quality education and competitive spirit among students for academic excellence. Many of our students' technical papers have been published in various national & international technical symposiums. The Department offers placements in various MNCs and Core companies.

ABOUT COURSE

Embedded systems are a combination of hardware and software. Where software is usually known as firmware that is embedded into the hardware. One of its most important characteristics of these systems is, it gives the o/p within the time limits. Embedded systems support to make the work more perfect and convenient. So, we frequently use embedded systems in simple and complex devices too. The applications of embedded systems are mainly involved in our real life for several devices like microwave, calculators, TV remote control, home security and neighborhood traffic control systems, etc.

TOPICS COVERED

S-1	Introduction to Embedded Systems
	Introduction to 8051 family, Introduction to Keil- IDE
	Embedded C Programming, Proteus software, LED based Projects.
S-2	Interfacing Button, seven segment display, Motors with 8051
	Arduino Programming, Introduction to Digital Pins & Inputs- LED Based Projects.
S-3	Interfacing of switches with Arduino & LCD Based Projects
	Interfacing of Seven segment Display with Arduino
	Interfacing of sensors with Arduino-LDR, Humidity sensor, Temperature sensor
S-4	Linux Basics, Login Linux File system, Navigating the File system, Text Editors, Accessing Files
	Permissions, Processes, Linux Graphic User Interface
	Interfacing devices with Microcontroller
S-5	Button Interfacing
	Relay: a. Introduction to relays. b. Relay Interfacing with 8051 microcontroller
	DC Motors: a. Interdiction to dc motors and types b. Simple dc motor interfacing with 8051 using motor driver, c. Simple moving robot using dc motors
S-6	Relay and IR sensor: a. Introduction to IR sensor & relay, b. Real time appliances controlling
	UART (Universal Asynchronous Receiver/Transmitter)
	Camera Module, pi-camera Library, Capturing Images, Camera (Demo),PWM on RPI, Servo Control & Servo Code

REGISTRATION FORM

A One Week Certification Program

On

“Industrial Automation with PLC”

1. Name of the Participant:

2. Designation:

3. Name of the Organization:

4. Address for Communication:

5. Mobile:

6. E-mail:

7. Registration Fee Details. Amount _____

Signature of the Participant

PERMITTING AUTHORITY:

Mr/Ms _____

studying _____ in our

college / organization is permitted to attend the One Week Certification Course Program.

Place:

Date:

Signature of permitting authority with seal