ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Permanently Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Electrical and Electronics Engineering

Date: 01.07.2019.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on PLC Programming Applications – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Electrical and Electronics Engineering would like to train ourB.Techstudents in the **PLC Programming Applications**adapted initially, with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Electrical and Electronics Engineering. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person	:	K. DHANARAJU KIET
Honorarium	:	Rs. 10000/-

Forward to principal Sir

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

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Department of Electrical and ElectronicsEngineering

Date: 02.07.2019.

CIRCULAR

All theElectricalstudents are here by informed that a one-week program is arranged to enhance the knowledge on**PLC Programming Applications,** as per the schedule from 05.08.2019. All the interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: B.VIJAYASRI, K.R.K.V.PRASAD

+918309600083

Head of the Department

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Department of Electrical and ElectronicsEngineering

PLC Programming ApplicationsSyllabus

1. Introduction to PLC
2. Design of Logic Gates
3. Design of Logic Gates using PLC Program
4. Speed control of Induction Motor
5. Speed control of Induction Motor using PLC Program
6. Conveyor belt Motor
7. PLC program for Conveyor belt Motor
8. Relay switching
9. PLC program for Relay switching
10. Voltage control of electrical load
11. PLC program for Voltage control of electrical load

Course Coordinator

Head of the Department

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Schedule of PLC Programming Applications Syllabus :

Day-1:
FN Inauguration of the Program and speakers talk about the objectives of the event
AN Introduction to PLC.
Day-2:
FN Design of Logic Gates
AN Design of Logic Gates using PLC Program
Day-3:
FN Speed control of Induction Motor
AN Speed control of Induction Motor using PLC Program
Day-4:
FN Conveyor belt Motor
AN Conveyor belt Motorusing PLC Program
Day-5:
FN Relay switching
AN PLC Program for Relay switching
Day-6:
FN Voltage control of electrical load
AN PLC Program for Voltage control of electrical load
Day-7:
FN Different applications of PLC
AN Valedictory

Course Coordinator **Head of the Department**

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