ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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 Computer Science Engineering

Date: 06.11.2019.

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 "INDUSTRIAL AUTOMATION" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Computer Science Engineering would like to train our B.Techstudents in the **INDUSTRIAL AUTOMATION**adapted initially, with the help of our staff; as the present world is focused of user friendly devices and ease in work environment. 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	:	Mr.Dasari Raja
		Project Associate
Honorarium	:	Rs. 15000/-

forwarded
to principal

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

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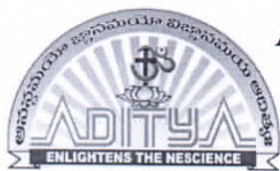
Date: 13.11.2019

CIRCULAR

All the B.Techstudents are here by informed that aone-week program is arranged to enhance the knowledge onINDUSTRIAL AUTOMATION, as per the schedule from 9th December,2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. MEDAPATI VENKATA REDDY
+91 9441710261

Head of the Department

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SURAMPALEM- 533 437

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INDUSTRIAL AUTOMATIONSyllabus

1. Introduction to Automation, Basic principles and strategies of automation,

2. Overview of manufacturing operations, Basic elements of an automated system,

3. Overview of industrial control systems, Hardware components; sensors, actuators, ADC, DAC

4. Automation and Process Control, Logic control systems,

5. Programmable Logic Controllers

6. Microcontrollers, Robotics and Automated Manufacturing Systems,

7. Industrial robotics

8. NC technology, Flexible manufacturing systems, Computer Integrated Manufacturing

M.Venkata Reddy
Course Coordinator

Head of the Department

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.. SALEM- 533 ...

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Department of Computer Science Engineering

Schedule of INDUSTRIAL AUTOMATION:

Day-1:

FN   Inauguration of the Program and speakers talk about the objectives of the event

AN   Introduction to Automation, Basic principles and strategies of automation,

Day-2:

FN   Overview of manufacturing operations, Basic elements of an automated system,

AN   Overview of industrial control systems, Hardware components; sensors, actuators, ADC, DAC

Day-3:

FN   Automation and Process Control, Logic control systems, Programmable Logic Controllers

AN   Microcontrollers, Robotics and Automated Manufacturing Systems, Industrial robotics

Day-4:

FN   NC technology, Flexible manufacturing systems, Computer Integrated Manufacturing

AN   Valedictory

M.Venkata Reddy.
Course Coordinator

Head of the Department

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Engineering & Technology
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