



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda(H), Gundlapochampally Village, Medchal
Mandal, Medchal-Malkajgiri District, Telangana State – 500100

CIRCULAR

Date: 13/12/2018

All the 1st/II Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Robotic Process Automation-II, Graphic Designing - II (Corel draw & Indesign), Green Matte Studio - Video Effects/Transitions, BASIC PYTHON I in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 17/12/2018. For further details, please contact Centre of Excellence, MREC(A)


Principal

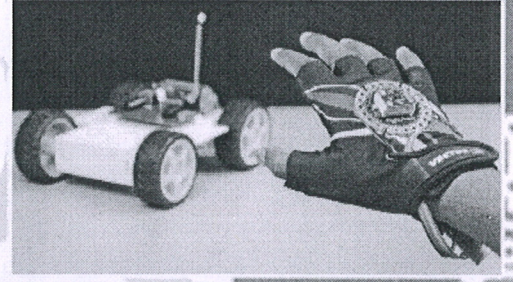
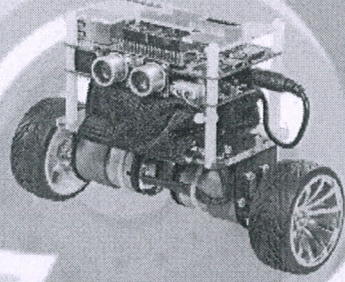
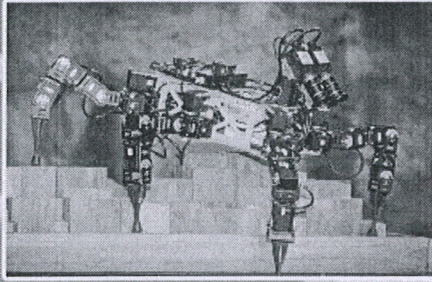
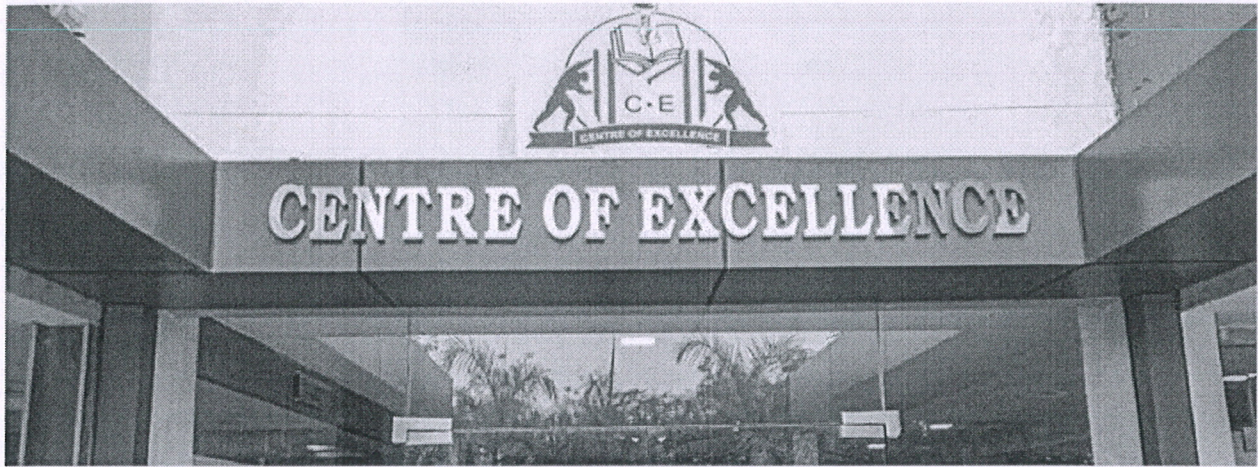
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Past Via Kompally), Sec'bad-500100

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8. Security Officer-for necessary action
9. Transport Manager-for necessary action
10. TEQIP Coordinator & Academic Cell
11. Admin Office
12. System Admin
13. Placement Cell
14. PA to Principal for Filling



MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post) via Kompally,
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



ROBOTIC'S TRAINING

**Guide To Build Software Robots,
Automate Repetitive Tasks.**

**Learn Arduino, Design Industrial
Robots, Motion Control Robots,
Autonomous Robots, IOT,
Android Robots.**

Course Duration -: 4 Months

**Hands-on experience is the best way to learn
about all the interdisciplinary aspects of Robotics.**

Raveesh
Principal,
Malla Reddy Engineering College,
Maisammaguda, Dhulapally,
via Kompally, Secbad-500100



	MALLA REDDY ENGINEERING COLLEGE (Autonomous) CENTRE OF EXCELLENCE	
ROBOTICS PROCESS AUTOMATION-II		

MODULE-I: Sensors and Actuators

Switches & Relays - Configuration & Application, Sensors, Actuators & Motors - Types & Applications, Torque, Speed and Power Relationship, Design of an infrared sensor, a light sensor, and a heat sensor, as well as an understanding of a line follower robot prototype

MODULE-II: Introduction to Microcontroller

Comparative study of Microcontrollers & Microprocessors Prototype, Architecture of Microcontroller Development - RISC and CISC, Arduino microcontroller - pin diagram, port description & functions, Instruction sets of Arduino

MODULE-III: Memory Organization

Memory Organization of Arduino, Number system and conversions, Embedded C Programming - Loading value to registers

MODULE-IV: Installing Arduino IDE

Introduction to Arduino IDE, Development of basic program in Arduino IDE, Simulation of assembly programs, Introduction to Proteus 8, Simulation of programs in Proteus 8

MODULE-V: Program Compiling

Motor driver L293d interfacing with Arduino, USART, ISP Protocols, Dumping code using Program USB(USART) into Arduino

Ravind
Principal

**Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100**



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COLLEGE (Autonomous)
Maisammaguda(H), Gundlapochampally
Village,
Medchal Mandal, Medchal-Malkajgiri
District,
Telangana State - 500100

Course:Robotic Process
Automation-II

Date:17/12/2018 to
13/04/2019

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	18J41A0156	SYED AZHARUDDIN	CE
2.	18J41A0101	ALUVALA SOUMYA	CE
3.	18J41A0105	KRISHNA REDDY KOPPULA	CE
4.	18J41A0108	Amgothu Krishnaveni	CE
5.	18J41A1201	ALAPATI SIDDHARTHA	IT
6.	18J41A1204	BANDARI GANESH	IT
7.	18J41A1213	DIPANKAR MAITI	IT
8.	18J41A1221	GANGWAR SHREYAN REDDY	IT
9.	18J41A1225	KACHAM SURYADEV	IT
10.	18J41A1232	MOLUGU AKSHAYA	IT
11.	18J41A0211	Datla susmitha	EEE
12.	18J41A0214	Eslavath Sowmya	EEE
13.	18J41A0231	Koppula lohith	EEE
14.	18J41A0310	DANAM SAISANATH	ME
15.	18J41A0315	ERRAVELLY SHYAM PRASAD	ME
16.	18J41A0321	KALA SAI SINDHU	ME
17.	18J41A0328	MAHARAJU HRUTHIK	ME
18.	18J41A0401	Arigela Srinivas	ECE
19.	18J41A0404	B.Pavan Kumar	ECE
20.	18J41A0408	B.Keerthana	ECE
21.	18J41A0414	D.Vennela	ECE
22.	18J41A0428	A.L.C.Keshava	ECE
23.	18J41A0431	Mirza Ibrahim baig	ECE
24.	18J45A2506	CHELIMALLA SAI TEJA	MINING
25.	18J45A2512	KONDAPARTHI GOPI VAMSHI	MINING
26.	18J41A0556	TRISHA VUDEPU	CSE
27.	18J41A0504	BALUSANI SRICHARAN	CSE
28.	18J41A0520	GURIJA SHRAVAN	CSE
29.	18J41A0525	KALYANI JAZI BHANUTEJA	CSE
30.	18J41A0527	KANURI JAYA VARADATTA REVANTH	CSE

Raveendh
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

SUMMARY

Robotics and Automation

Robotics is a multidisciplinary field of science and engineering that is concerned with the design, manufacturing, and use of mechanical robots. Our Course will provide you with a solid knowledge of robotics, covering several types of robots, how they're used in various industries, and the fundamentals of electronics.

Robotics is a branch of engineering that deals with the design and use of robots, as well as the use of computers to manipulate and process them. In industries, robots are employed to speed up the production process. They are also utilized in nuclear research, marine exploration, transmission electric signal service, bio-medical equipment design, and so on. Robotics necessitates the use of computer-aided manufacturing (CAM), mechanical engineering, electrical engineering, biological mechanics, and software engineering.

Robotics and automation the use of control systems and information technologies to minimize the demand for human labor in the creation of products and services is referred to as engineering. Automation is a step beyond mechanization in the context of industrialization.

A robotics engineering specialty may lead to employment possibilities in manufacturing, research and engineering, agricultural, mining, nuclear, power-plant maintenance, and a number of other fields. Furthermore, there is a lot of opportunity for competent professionals and researchers to work on many aspects of robotics R&D. As shown by the current worldwide career trend in robotics, areas as varied as surgery, contemporary warfare, and nanotechnology have seen a significant rise in their need for robotics technical professionals and researchers


Principal

Malla Reddy Engineering College
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MALLA REDDY ENGINEERING COLLEGE

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Certificate Of the Course Completion

This is to Certify that

CHELIMALLA SAI TEJA

*has Successfully Completed Robotic Process Automation-II Course Offered
by Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J45A2506 and Branch MINING.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

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Certificate Of the Course Completion

This is to Certify that

DANAM SAISANATH

*has Successfully Completed Robotic Process Automation-II Course Offered
by Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A0310 and Branch ME.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

Datla susmitha

*has Successfully Completed Robotic Process Automation-II Course Offered
by Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A0211 and Branch EEE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisamraguda, Dhulapally,
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Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

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Certificate Of the Course Completion

This is to Certify that

ALAPATI SIDDHARTHA

*has Successfully Completed Robotic Process Automation-II Course Offered
by Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A1201 and Branch IT.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy
Conference Chair & Principal



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



Certificate Of the Course Completion

This is to Certify that

Arigela Srinivas

*has Successfully Completed Robotic Process Automation-II Course Offered
by Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A0401 and Branch ECE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy
Conference Chair & Principal