



MALLA REDDY ENGINEERING COLLEGE(Autonomous)
(An UGC Autonomous Institution, Approved by AICTE and
Affiliated to JNTUH, Hyderabad)
Accredited 2nd time by NAAC with 'A+' Grade,
Maisammaguda (H), Medchal - Malkajgiri District, Secunderabad—
Telangana State-500100.Website: www.mrec.ac.in

REQUISITION LETTER

Date: 10/01/2022

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Respected Sir,

Sub.: Seeking – Permission for conducting One Weekworkshop on “Robotics”:Reg.

We would like to bring to your kind notice that, we are planning to conducting One WeekWorkshop on“Robotics”from17.01.2022 to 22.01.2022. In this regard, I request you to kindly request you to give approval with support for the logistics and other requirements in order to conduct the event.

Thank you Sir,

Yours sincerely,


HOD CSE - CS


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


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



MALLA REDDY ENGINEERING COLLEGE

(A UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 2nd time by NAAC with 'A' Grade, NIRF Rank Band 250-300, ARIIA Band Performer, NBA Tier-I Accredited (B.Tech.- CE, EEE, ME, ECE & CSE, M.Tech. - Structural Engineering, Electrical Power Systems, Thermal Engineering)
Malsammaguda (H), Medchal-Malkajgiri District, Secunderabad- 500100.
Telangana State. www.mrec.ac.in

Date: 11/01/2022

CIRCULAR

All the B.Tech II Year Students are hereby informed that the department of Cyber Security is going to organize One Week Workshop on "Robotics" on 17.01.2022 to 22.01.2022. In this regard all the Students requested to register for this program. Further details to contact

JT X moli
HOD CSE-CS

R. S. S. S. S.
Principal
Malla Reddy Engineering College
Malsammaguda, Dhulepally,
(Post Via Kompally), Sec'bad-500100.

As
Principal
Malla Reddy Engineering College
Malsammaguda, Dhulepally,
(Post Via Kompally), Sec'bad-500100.

One Week Workshop

On

Robotics

17.01.2022 to 22.01.2022

Organized by

Department of CSE-Cyber Security.

MALLA REDDY ENGINEERING COLLEGE
(Autonomous)

Maisammaguda, Dhulapally Post, Vyaikompally
Secunderabad-500100

REGISTRATION FORM

1. Name of the Participant

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.....
.....

2. Designation:

3. Qualification:

4. Institute:

.....
.....
.....

5. Address for communication:

.....
.....
.....

6. Mobile Number:

.....
.....
.....

7. E-mail:

Date:

Signature of the Applicant

CHIEF PATRON

Sri.Ch.MallaReddy,M.L.A

Minister of Labour, Employment, Women and Child
Development
Founder Chairman, CMR Educational Society

PATRONS

Sri.Ch.Mahender Reddy

Secretary, CMR Educational Society

Dr.Ch.Bhadra Reddy

Treasurer, CMR Educational Society

CO-PATRON

Dr.A. Ramaswami Reddy

Principal, MREC(A), Hyderabad.

CONVENER

Dr.G. Jose Moses

Professor,

Department of Computer Science and Engineering -
Cyber Security

RESOURCE PERSON

Prof.G.Shankar Lingam

Dean of Engineering,

Chaitanya (Deemed to be

University),

Warangal.

Malla Reddy Engineering College
(Post Graduate), Secunderabad-500100.

Principal

Malla Reddy Engineering College

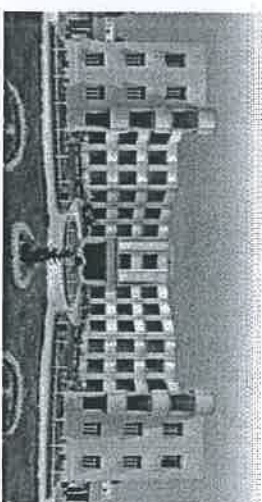
Maisammaguda, Dhulapally,
Vyaikompally, Secunderabad-500100.

One Week Workshop

On

Robotics

17.01.2022 to 22.01.2022



Organized by

Department of Computer Science and Engineering
- Cyber Security

MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

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2(O) & 12 (B) of UGC Act 1956, Accredited by NAAC
with 'A' Grade (III Cycle) and NBA)

Maisammaguda, Secunderabad-500100

Phone No.:040-64634231 Website: www.mrec.ac.in



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Telangana State-500100. Website: www.mrec.ac.in

**Report
On
One Week Workshop on Robotics**

A One Week workshop on Robotics is a dot com business A One Week workshop on Robotics was Organized by Department of CSE-Cyber Security, MREC(Autonomous), Secunderabad during 17.01.2022 to 22.01.2022. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth.

The modules covered are

1. Robotics History & Introduction
2. What is Robotics
3. Components of Robot
4. AI in Robotics
5. AI Research Areas
6. Types of Robot & Types of Robot Sensors

Robotics is a branch of engineering that involves the conception, design, manufacture and operation of robots. The objective of the robotics field is to create intelligent machines that can assist humans in a variety of ways.

Robotics can take on a number of forms. A robot may resemble a human, or it may be in the form of a robotic application, such as robotic process automation (RPA), which simulates how humans engage with software to perform repetitive, rules-based tasks.

Inaugural session: 10:00 a.m., 17.01.2022.


The esteemed personalities present on the inaugural of the programme:


Dr.A.Ramaswami Reddy, Principal, MREC (A)

Dr.S.Shiva Prasad, Professor & HOD, CSE-DS Department, MREC(A)

Prof.G.Shankar Lingam, Dean of Engineering, Chaitanya (Deemed to be University), Warangal


CO-Ordinator


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


HOD CSE-CS


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

Resource Person Request- for One Week Workshop on Robotics on 17.01.2022 to 22.01.2022 request Reg



CSHOD <cshod@mrec.ac.in>

Fri, Jan 14, 11:05 AM

to <deanengineering@edu.ac.in>

Dear sir,

We welcome to accept our invitation as Resource Person for **"Robotics"** from 17.01.2022 to 22.01.2022 at Malla Reddy Engineering College (Autonomous), Hyderabad, Telangana State

Please find the Workshop Brochure for reference
If any information please inform us.

Thank you Sir

Head of Department
Dept. of CSE-CS,
MREC, Hyd.

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

Ramesh
Principal
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Maisammaguda, Dhulapally,
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Telangana State-500100.Website: www.mrec.ac.in

**One Week workshop
on
"Robotics"**

S.No	ROLL NO	Name of the Student	Year	Certified
1	20J41A6201	ALAVALAPATI NAGA SAI SIVA VARUN	II-UG	YES
2	20J41A6202	ALETI MADHURITHA	II-UG	YES
3	20J41A6203	ASKANI NARASIMHA SAGAR	II-UG	YES
4	20J41A6204	BACHHANNAGARI ANKITHA	II-UG	YES
5	20J41A6205	BADANA TARUN KUMAR	II-UG	YES
6	20J41A6206	CELVAJI ROHAN RAO	II-UG	YES
7	20J41A6207	CHALLA NIKHIL	II-UG	YES
8	20J41A6208	CHETHIREDDY KEERTHI REDDY	II-UG	YES
9	20J41A6209	CHINAMALLAPPA GARI GUNA SEKHAR REDDY	II-UG	YES
10	20J41A6210	CHINNAPAREDDY VINAY KUMAR REDDY	II-UG	YES
11	20J41A6211	DORA VENKAT SAI PAGADALA	II-UG	YES
12	20J41A6212	ELURI HARI PRASAD	II-UG	YES
13	20J41A6213	JESWANTH SAI GOLLAPUDI	II-UG	YES
14	20J41A6215	GADDALA SHIVANI	II-UG	YES
15	20J41A6216	GADDE SAI MADHAV	II-UG	YES
16	20J41A6217	GANDAMALLA VARMA	II-UG	YES
17	20J41A6218	GANDLA ASHRITHA	II-UG	YES
18	20J41A6219	GANGAVARAM NAGASRI	II-UG	YES
19	20J41A6220	GOLLAPUDI BUCHAIAH CHOWDARY	II-UG	YES

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

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Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

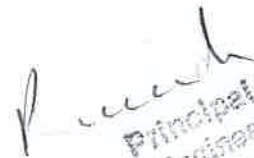
20	20J41A6221	GUNDI VENKATA SAIRAMA KRISHNA	II-UG	YES
21	20J41A6222	HADAPPAD MAHESH	II-UG	YES
22	20J41A6223	J KUSUMA	II-UG	YES
23	20J41A6224	JAMPULA SAI PRANEETH	II-UG	YES
24	20J41A6225	K HARSHAVARDHAN	II-UG	YES
25	20J41A6226	KETHI SIRI REDDY	II-UG	YES
26	20J41A6227	KALA MEGHANA	II-UG	YES
27	20J41A6228	KUSNAM AKASH REDDY	II-UG	YES
28	20J41A6229	MANNE CHARM	II-UG	YES
29	20J41A6230	MUTYA SAI SREEKAR	II-UG	YES
30	20J41A6231	MANAM ADITYA PAVAN KUMAR REDDY	II-UG	YES
31	20J41A6232	MEDABOINA SRIKAR YADAV	II-UG	YES
32	20J41A6233	MEDISHETTI MADHAVA SHIVA	II-UG	YES
33	20J41A6234	MINUMULA BABU	II-UG	YES
34	20J41A6236	MULUKALA SHASHANK	II-UG	YES
35	20J41A6237	NADAKUDITI BALAJI SAI	II-UG	YES
36	20J41A6238	NALDEEGA SREENIKETHAN	II-UG	YES
37	20J41A6239	PERAM JYOTHIKA	II-UG	NO
38	20J41A6240	PERAM VIVEK REDDY	II-UG	YES
39	20J41A6241	PULGAM GANESH	II-UG	YES
40	20J41A6243	ANMULWAR SAIPRIYA SURESH	II-UG	YES
41	20J41A6244	SAMUDRALA SRINATH	II-UG	YES
42	20J41A6245	SANA MUNEER	II-UG	YES
43	20J41A6246	SANGANNAGARI SATWIK	II-UG	YES
44	20J41A6247	SIRISALA NITHIN	II-UG	NO
45	20J41A6248	SRIRAM BAJAJ	II-UG	YES

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


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

46	20J41A6249	SUGURU SHIVA	II-UG	YES
47	20J41A6250	TANYALA SATHWIK	II-UG	YES
48	20J41A6251	TATINENI JAHNAVI	II-UG	YES
49	20J41A6252	TELUGU HEMA SRI	II-UG	YES
50	20J41A6253	THOTAKURA MAHEETH	II-UG	YES
51	20J41A6254	THRIGULLA SATHVIKA	II-UG	NO
52	20J41A6255	UPPALA HEMANTH SAI	II-UG	YES
53	20J41A6257	VENUMUDDALA ARYAN REDDY	II-UG	YES
54	20J41A6259	YERRAM SAI KRISHNA REDDY	II-UG	YES
55	20J41A6260	MULE PRASANNA	II-UG	YES
56	21J45A6201	BICHKE BASWA CHANDRA SHRIYA	II-UG	YES
57	21J45A6202	DAPPU SRINIVAS	II-UG	NO
58	21J45A6203	KAMALLA SRIKANTH	II-UG	YES
59	21J45A6204	PSVK LALITH VISWAS	II-UG	YES
60	21J45A6205	SUDIGELA VINAY KUMAR	II-UG	YES
61	21J45A6206	SUNKOJU NANDHA KISHOR	II-UG	YES


Co-Ordinator


Principal
Malla Reddy Engineering College
Malsammaguda, Dhulapally,
(Post Via Kompally), Sec/bad-500100.


HOD


Principal
Malla Reddy Engineering College
Malsammaguda, Dhulapally,
(Post Via Kompally), Sec/bad-500100.



MALLA REDDY ENGINEERING COLLEGE



(Autonomous – main Campus))

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100, Telangana

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One Week Workshop

On

Robotics

Certificate

This is to certify that Ch.Jhansi Department of *Computer Science & Engineering – Cyber Security* from *Malla Reddy Engineering College* has successfully completed the *One Week Workshop* on “*Robotics*” held on 17.01.2022 to 22.01.2022 organized by Department of Computer Science and Engineering – Internet of Things, MREC (Autonomous), Hyderabad, Telangana

Coordinator

HOD

Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post via Kompally), Secbad-500100.

PRINCIPAL

Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post via Kompally), Secbad-500100.



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(Autonomous – main Campus)

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One Week Workshop

On

Robotics

Certificate

This is to certify that A.Pranav Department of *Computer Science & Engineering – Internet of Things* from *Malla Reddy Engineering College* has successfully completed the *One Week Workshop on "Robotics"* held on 17.01.2022 to 22.01.2022 organized by Department of Computer Science and Engineering – Internet of Things, MREC (Autonomous), Hyderabad, Telangana

Coordinator

HOD

Principai
Hansa Malla Reddy Engineering College
(Post Via Kompally), Sec Bad-500100.

PRINCIPAL

Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post via Kompally), Sec Bad-500100



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One Week workshop on "Robotics"

Course Code :CS VAC003

Duration of Course: 36Hrs

Objective of the Course

Objective

Bachelor of Robotics and Automation Engineering curriculum is designed to prepare the graduates having attitude and knowledge to

1. Have successful professional and technical career
2. Have strong foundation in basic sciences, mathematics and computational platforms
3. Have knowledge on the theory and practices in the field and service of robotics Engineering and allied areas

4. Engross in life-long learning to keep themselves abreast of new developments
5. Practice and inspire high ethical values and technical standards.

Syllabus

Unit-1

Total hrs: 6

Communicative English
Engineering Mathematics I
Engineering Physics
Engineering Chemistry
Problem Solving and Python Programming
Engineering Graphics

Unit-2

Total hrs: 6

Technical English
Engineering Mathematics II
Materials Science
Basic Electrical, Electronics and Instrumentation Engineering
Environmental Science and Engineering
Engineering Mechanics