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

REQUISITION LETTER

Date: 17/02/2023

To,

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

Respected Sir,

Sub.: Seeking – Permission for conducting one week Workshop on "Internet of Things ":Reg.

We would like to bring to your kind notice that, we are planning to conducting a **one week Workshop on "Internet of Things"** from 20.02.2023 to 25.02.2023. 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), See-bad-500100.

Head Of
Dept.of
Malla Reddy
Secunderabad

MALLA REDDY ENGINEERING COLLEGE

(A UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 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) Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad– 500100. Telangana State. www.mrec.ac.in

Date: 18/02/2023

CIRCULAR

All the B.Tech IIYear Students are here byinformed that the department of Cyber Security is going to organize**One WeekWorkshop on "Internet of Things"** on20.02.2023 to 25.02.2023.In this regard all the Students requested to register for this program. Further details to contact

HOD

CSE-CS

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

Head of the Department
Dept.of CSE (Cyber Security)
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana.State -500100.

Panel 1 — Registration Form

OneWeekGuest Lecture on "Internet of Things"

20.02.2023 to 25.02.2023

Organized by

Department of CSE-Cyber Security.

MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally,Post,viaKompally
Secunderabad– 500100

REGISTRATION FORM

1. Name of the Participant
   ....

2. Designation: ....
3. Qualification: ....
4. Institute: ....
   ....

5. Address for communication:
   ....
   ....
   ....

6. Mobile Number:
7. E-mail:
   ....

Date:

Signature of the Applicant

CHIEF PATRON

Panel 2 — Committee

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 – CS

RESOURCE PERSON

Dr.Chiranjeevi Manki – IIT Dhanbad
Professor and Head
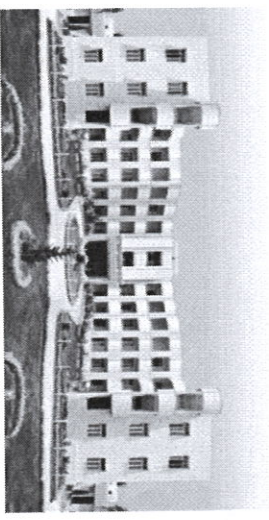Department of Cyber Security &
Data Science
MLR Institute of Technology

Panel 3 — Cover

One WeekGuest Lecture on "Internet of Things"

20.02.2023 to 25.02.2023

Organized by

Department of Computer Science and Engineering – Cyber Security

MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

(An UGC Autonomous Institution, Approved by AICTE and
Affiliated to JNTUH Hyderabad, Recognized under section
2(f) &12 (B) of UGC Act 1956, Accredited by NAAC
with 'A++' Grade (III Cycle) and NBA)

Maisammaguda, Secunderabad-500100
Phone No:040-6463431 Website: www.mrece.ac.in

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

Principal

Report
On
One Week Guest Lecture on "Internet of Things "

One WeekWorkshopon**Internet of Things**was Organized by Department of CSE-Cyber Security,MREC(Autonomous),Secunderabad during20.02.2023 to 25.02.2023. 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. Introduction to IoT
2. IoT Protocols
3. IoT Architecture
4. Web of Things
5. IoT Architecture

This course focuses on the latest micro controllers with application development, product design and prototyping. Ideally suited for engineering students and graduates with a basic understanding of electronics and microprocessors. The Internet of Things (IOT) isthe next wave, world is going to witness. Today we live in an era of connected devices (mobile phones, computers etc.), the future is of connected things (Eg: home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipments and everything which you use in day-to-day life).Internet of Things is a term given to the attempt of connecting objects to the internet and also to each other-allowing people and objects themselves to analyze data from various sources in real-time and take necessary actions in an intelligent fashion

Inaugural session: 10:00 a.m.,20.02.2023.

The esteemed personalities present on the inaugural of the programme:

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

Dr.G. Jose Moses,Professor,CSE-Cyber SecurityDepartment,MREC(A)

Dr.ChiranjeeviManki – IIT Dhanbad, Professor and Head

Department of Cyber Security & Data Science, MLR Institute of Technology

CO-Ordinator

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

Head of the Department
HOD
Dept.of CSE (Cyber Security)
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana,State -500100.

MALLA REDDY ENGINEERING COLLEGE

(A UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited by NAAC with 'A++' Grade, Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad– 500100. Telangana State. www.mrec.ac.in

One Week workshop on "Internet of Things"

Course Code :VACCS6 **Duration of Course: 30Hrs**

Objective of the Course

Objective

This course focuses on the latest micro controllers with application development, product design and prototyping. Ideally suited for engineering students and graduates with a basic understanding of electronics and microprocessors. The Internet of Things (IOT) isthe next wave, world is going to witness. Today we live in an era of connected devices (mobile phones, computers etc.), the future is of connected things (Eg: home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipments and everything which you use in day-to-day life).Internet of Things is a term given to the attempt of connecting objects to the internet and also to each other-allowing people and objects themselves to analyze data from various sources in real-time and take necessary actions in an intelligent fashion.

Syllabus

UNITI: **Total hrsl:6hrs**

Content: IOT - What is the IoT and why is it important? Elements of an IoT ecosystem, Technology drivers, Business drivers, Trends and implications, Overview of Governance, Privacy and Security issue.

UNIT2: **Total hrs:7hrs**

Content: IOT PROTOCOLS - Protocol Standardization for IoT — Efforts — M2M and WSN Protocols— SCADA and RFID Protocols— Issues with IoT Standardization — Unified Data Standards—Protocols—IEEE802.15.WBACNet Protocol— Mod bus—KNX—Zigbee— Network layer — APS layer-security.

UNIT 3: **Total hrs:4 hrs**

Content: IOT ARCHITECTURE-IoT Open source architecture (OIC)-OIC Architecture &Design principles-IoT Devices and deployment models-IoTivity :An Open source IoTstack

-Overview-IoTivity stack architecture-Resource model and Abstraction.

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

UNIT4:   **Total hrs:6hrs**

Content: WEB OF THINGS-Web of Things versus Internet of Things—Two Pillars of the Web —Architecture Standardization for WoT— Platform Middleware for WoT — Unified Multitier WoT Architecture—WoT Portals and Business Intelligence.

UNIT-5:   **Total hrs:6hrs**

G*ntent: IOT APPLICATIONS-IoT applications for industry: Future Factory Concepts, Bown field IoT, Smart Objects, Smart Applications. Study of existing IoT platformsmiddleware,IoT- A, Hydra etc.

Resource Person Request- for **One WeekWorkshop onInternet of Things**on20.02.2023 to 25.02.2023request Reg

CSHOD <cshod@mrec.ac.in>   Thu,Feb17, 11:05 AM

to <deanengineering@edu.ac.in>

Dear sir,

We welcome to accept our invitation as Resource Personfor**"Internet of Things"**from20.02.2023 to 25.02.2023 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-IOT,
MREC, Hyd.

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

Resource Person Request- **One Week Workshop on Internet of Things** on20.02.2023 to
25.02.2023 Acceptance Reg

From: name <deanengineering@edu.ac.in>

Fri, Feb18, 12:05
PM

to <cshod@mrec.ac.in>

sir,

With Reference to mail on 03.12.2022 for acceptance of Resource personfrom on20.02.2023 to
25.02.2023 on title **One Week Workshop on "Internet of Things"**at Malla Reddy Engineering
College(Autonomous), Hyderabad, Telangana State:

This is the acceptance of workshop resource person.

Thank you sir

--

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

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

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

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

(An autonomous institution approved by UGC and affiliated to JNTUH. The college is accredited by NAAC with 'A++' Grade)

One Week Workshop
On
"Internet of Things"

Certificate

This is to certify that SIRISALA NITHIN ___ Department ___ CSE-CS from ___ Malla Reddy Engineering College ___ has successfully completed the *One Week Workshop on* "Internet of Things" held on 20.02.2023 to 25.02.2023 organized by Department of Computer Science and Engineering – Cyber Security, MREC (Autonomous), Hyderabad, Telangana

Coordinator

HOD

PRINCIPAL

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

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

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

(An autonomous institution approved by UGC and affiliated to JNTUH. The college is accredited by NAAC with 'A++' Grade)

One Week Workshop

On

"Internet of Things"

Certificate

This is to certify that ___GANDLA ASHRITHA___ Department ___CSE-CS from ___Malla Reddy Engineering College___ has successfully completed the *One Week Workshop on* "Internet of Things" held on 20.02.2023 to 25.02.2023 organized by Department of Computer Science and Engineering – Cyber Security, MREC (Autonomous), Hyderabad, Telangana

Coordinator

HOD

PRINCIPAL

Malla Reddy Engineering College
Maisammaguda
(Post Via Kompally

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

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

(An autonomous institution approved by UGC and affiliated to JNTUH. The college is accredited by NAAC with ' A++' Grade)

One Week Workshop
On
"Internet of Things"

Certificate

This is to certify that _____ BACHAWALA SUDHEENDRA RAJ _____ Department _____ CSE _____ from _____ Malla Reddy Engineering College _____ has successfully completed the *One Week Workshop on* "Internet of Things" held on 20.02.2023 to 25.02.2023 organized by Department of Computer Science and Engineering – Cyber Security, MREC (Autonomous), Hyderabad, Telangana

Coordinator

HOD

PRINCIPAL

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

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

One Week Guest Lecture
on
"Internet of Things"
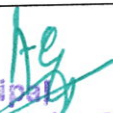
S.No.	Name of the Student	Student yr.	College
1	AKULA VIGNESH GOUD	CS-II	MREC
2	AYYALA RAMESH	CS-II	MREC
3	AZMEERA SRILATHA	CS-II	MREC
4	B UDAY TEJA	CS-II	MREC
5	BAGAM THARUN	CS-II	MREC
6	BANDARI VIVEK	CS-II	MREC
7	BANDE VISHWAJEETH REDDY	CS-II	MREC
8	BELAGANTI SAI THARUN KUMAR REDDY	CS-II	MREC
9	BOGADHI TEJA PRAKASH	CS-II	MREC
10	C SAI NATH REDDY	CS-II	MREC
11	CHATAMONI THARUN KUMAR	CS-II	MREC
12	CHILUKA SURAARCHITH	CS-II	MREC
13	CHOWDARY PANDARINATH	CS-II	MREC
14	DADIPELLI GANESH	CS-II	MREC
15	E HARSHITHA	CS-II	MREC
16	G SANJANA REDDY	CS-II	MREC
17	GANTI SAI VENKATA NAGENDRA	CS-II	MREC

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

18	GUMMADI ANIRUDH	CS-II	MREC
19	HOWDEKAR SHIVA RAM	CS-II	MREC
20	JOGULA PAAVAN	CS-II	MREC
21	KAITHA ARAVIND	CS-II	MREC
22	KAMANA SATYA TARUN	CS-II	MREC
23	KANDATI BHANU PRAKASH	CS-II	MREC
24	KASHA ABHISHEK	CS-II	MREC
25	KEDAPU MEENESHWAR	CS-II	MREC
26	KOLETI KARTHIK	CS-II	MREC
27	KOMMU SAIKRISHNA	CS-II	MREC
28	KONDETI MANVITHA	CS-II	MREC
29	KORLA KEERTHI REDDY	CS-II	MREC
30	KOTHAKONDA SAI SHIVAMANI	CS-II	MREC
31	KURVA VINOD KUMAR	CS-II	MREC
32	MAHANKALI PRANATHI	CS-II	MREC
33	MANDA AKHILA	CS-II	MREC
34	MANTHA SAI SRI	CS-II	MREC
35	MOHAMMED SHARUF	CS-II	MREC
36	MUDAVATH ANIL KUMAR	CS-II	MREC
37	MULKALA MUKESH	CS-II	MREC
38	MUSKU PRANAY REDDY	CS-II	MREC
39	NAVAB DARVESHALI	CS-II	MREC
40	PALLE SREEMITH KUSHAL	CS-II	MREC
41	PAMURI MANOJ KUMAR REDDY	CS-II	MREC

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

42	PATTIPATI INDRAVARDHAN	CS-II	MREC
43	PAYAM CHARUKESHVA CHANDRA SWROOP	CS-II	MREC
44	PEMBARTHI TEJASWI	CS-II	MREC
45	POTLA RAJ KIRAN	CS-II	MREC
46	PUTAGOLU MANIKESHWARI	CS-II	MREC
47	RAHUL REDDY MUSKU	CS-II	MREC
48	REPAKA AJAY	CS-II	MREC
49	S V S ABHINAV	CS-II	MREC
50	SATHVIKA PINDI	CS-II	MREC
51	SHAIK ARSHIYA	CS-II	MREC
52	SHAIK ZAID	CS-II	MREC
53	T UDAY KIRAN	CS-II	MREC
54	THANNERU RANI	CS-II	MREC
55	TULABANDI SREE THARUN	CS-II	MREC
56	SHAIK MUZAMMIL	CS-II	MREC
57	MIRYALA NAVYA DEEPTHI	CS-II	MREC
58	GHANAPURAM GANESH	CS-II	MREC
59	CHALUVAGALI VINAY RAJU	CS-II	MREC
60	SHEIK TAMEEM ANSARI	CS-II	MREC
61	DANTAPALLY HARISHWAR REDDY	CS-II	MREC

Co-Ordinator

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

HOD
(Cyber Security)
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana, State -500100.

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

One Week Guest Lecture
On
"Internet of Things"

S.No	ROLL NO	Name of the Student	Year	Certified
1	21J41A6201	AKULA VIGNESH GOUD	II-UG	YES
2	21J41A6202	AYYALA RAMESH	II-UG	YES
3	21J41A6203	AZMEERA SRILATHA	II-UG	YES
4	21J41A6204	B UDAY TEJA	II-UG	YES
5	21J41A6205	BAGAM THARUN	II-UG	YES
6	21J41A6206	BANDARI VIVEK	II-UG	YES
7	21J41A6207	BANDE VISHWAJEETH REDDY	II-UG	YES
8	21J41A6208	BELAGANTI SAI THARUN KUMAR REDDY	II-UG	YES
9	21J41A6209	BOGADHI TEJA PRAKASH	II-UG	YES
10	21J41A6210	C SAI NATH REDDY	II-UG	YES
11	21J41A6211	CHATAMONI THARUN KUMAR	II-UG	YES
12	21J41A6212	CHILUKA SURAARCHITH	II-UG	YES
13	21J41A6213	CHOWDARY PANDARINATH	II-UG	YES
14	21J41A6214	DADIPELLI GANESH	II-UG	YES
15	21J41A6215	E HARSHITHA	II-UG	YES
16	21J41A6216	G SANJANA REDDY	II-UG	YES
17	21J41A6217	GANTI SAI VENKATA NAGENDRA	II-UG	YES

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

18	21J41A6219	GUMMADI ANIRUDH	II-UG	YES
19	21J41A6220	HOWDEKAR SHIVA RAM	II-UG	YES
20	21J41A6221	JOGULA PAAVAN	II-UG	YES
21	21J41A6222	KAITHA ARAVIND	II-UG	YES
22	21J41A6223	KAMANA SATYA TARUN	II-UG	YES
23	21J41A6224	KANDATI BHANU PRAKASH	II-UG	YES
24	21J41A6225	KASHA ABHISHEK	II-UG	YES
25	21J41A6226	KEDAPU MEENESHWAR	II-UG	YES
26	21J41A6227	KOLETI KARTHIK	II-UG	YES
27	21J41A6228	KOMMU SAIKRISHNA	II-UG	YES
28	21J41A6229	KONDETI MANVITHA	II-UG	YES
29	21J41A6230	KORLA KEERTHI REDDY	II-UG	YES
30	21J41A6231	KOTHAKONDA SAI SHIVAMANI	II-UG	YES
31	21J41A6232	KURVA VINOD KUMAR	II-UG	YES
32	21J41A6233	MAHANKALI PRANATHI	II-UG	YES
33	21J41A6234	MANDA AKHILA	II-UG	YES
34	21J41A6235	MANTHA SAI SRI	II-UG	YES
35	21J41A6236	MOHAMMED SHARUF	II-UG	YES
36	21J41A6237	MUDAVATH ANIL KUMAR	II-UG	YES
37	21J41A6238	MULKALA MUKESH	II-UG	YES
38	21J41A6239	MUSKU PRANAY REDDY	II-UG	YES
39	21J41A6240	NAVAB DARVESHALI	II-UG	NO
40	21J41A6241	PALLE SREEMITH KUSHAL	II-UG	YES
41	21J41A6242	PAMURI MANOJ KUMAR REDDY	II-UG	YES
42	21J41A6243	PATTIPATI INDRAVARDHAN	II-UG	YES

43	21J41A6244	PAYAM CHARUKESHVA CHANDRA SWROOP	II-UG	YES
44	21J41A6245	PEMBARTHI TEJASWI	II-UG	YES
45	21J41A6246	POTLA RAJ KIRAN	II-UG	YES
46	21J41A6247	PUTAGOLU MANIKESHWARI	II-UG	YES
47	21J41A6248	RAHUL REDDY MUSKU	II-UG	YES
48	21J41A6249	REPAKA AJAY	II-UG	YES
49	21J41A6251	S V S ABHINAV	II-UG	YES
50	21J41A6252	SATHVIKA PINDI	II-UG	NO
51	21J41A6253	SHAIK ARSHIYA	II-UG	YES
52	21J41A6254	SHAIK ZAID	II-UG	YES
53	21J41A6255	T UDAY KIRAN	II-UG	YES
54	21J41A6256	THANNERU RANI	II-UG	YES
55	21J41A6257	TULABANDI SREE THARUN	II-UG	YES
56	22J45A6201	SHAIK MUZAMMIL	II-UG	YES
57	22J45A6202	MIRYALA NAVYA DEEPTHI	II-UG	YES
58	22J45A6203	GHANAPURAM GANESH	II-UG	YES
59	22J45A6204	CHALUVAGALI VINAY RAJU	II-UG	YES
60	22J45A6205	SHEIK TAMEEM ANSARI	II-UG	YES
61	22J45A6206	DANTAPALLY HARISHWAR REDDY	II-UG	YES

Co-Ordinator

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

HOD