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Accreditedby NAAC with 'A++' Grade,
Maisammaguda (H), Medchal - Malkajgiri District, Secunderabad—.
Telangana State-500100. Website: www.mrec.ac.in

REQUISITION LETTER

Date: 27/01/2023

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 30.01.2023 to 4.02.2023. 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 - IoT

Head of the Department
Dept.of CSE (Internet of things)
Filla Reddy Engineering College (AutoSecunderabed Tejangana, State

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 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: 28/01/2023

CIRCULAR

All the B.Tech IIYear Students are here byinformed that the department of Internet of Things is going to organize One Week Workshop on "Internet of Things" on 30.01.2023 to 04.02.2023. In this regard all the Students requested to register for this program. Further details to contact

Head SE-In Papartment
Dept.of CSE (Internet of things)
Malla Reddy Engineering College (Autonomous)
Secundarabad, Telangana, State - 500130.

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
Maisammaguda, Bee-bad-599199.
(Post Via Kompally), See-bad-599199.



OneWeekGuest Lecture on "Internet of Things" 30.01.2023 to 04.02.2023 Organized by Department of CSE- Internet of Things. MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally Secunderabad 500100

REGISTRATION FORM

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4	4. Instit	ute: .		 	 	 	 ••••	 •••	
STATE OF STA				 ••••	 	 	 	 	
5.	Addre	ss for		 ınic	 	 	 	 	

Name of the Participant

6. Mobile Number: 7. E-mail:

Date:

Signature of the Applicant

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

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

> CONVENER Dr.G. Jose Moses

Professor. Department of Computer Science and Engineering - Internet of Things

RESOURCE PERSON

Dr.Chiranjeevi Manki - IIT Dhanbad Professor and Head Department of Cyber Security &

Data Science MLR Institute of Technology One WeekGuest Lecture on "Internet of Things"

30.01.2023 to 04.02.2023



Organized by



Department of Computer Science and Engineering - Internet of Things

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.:040-64634231 Website: www.mrec.ac.in

Malla Reddy English Sec. bad-500100.

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Masammaguda, Sec. bad-500100.

CHIEF PATRON

MALLA REDDY ENGINEERING COLLEGE

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One Week workshop on "Internet of Things"

Duration of Course: 30Hrs Course Code: VACIOT5

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) is the 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

Total hrsl:6hrs UNITI:

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.

Total hrs:7hrs UNIT2:

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

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(Post Via Kompally), Sec-bad-500100.

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

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 WoTArchitecture—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 platformsmidd1eware,IoT-A, Hydra etc.



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

One Week Workshop on **Internet of Things** was Organized by Department of CSE-Internet of Things, MREC(Autonomous), Secunderabad during30.01.2023 to 04.02.2023. 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

- 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) is the 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.,30.01.2023.

The esteemed personalities present on the inaugural of the programme:

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

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

Dr.ChiranjeeviManki - IIT Dhanbad, Professor and Head

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

CO-Ordinator

Strage College A Hydratic

Malla Recely Engineering Obligation (Post Via Kompally), Sec-bad-500100.

Resource Person Request- for One WeekWorkshop onInternet of Things on30.01.2023 to 04.02.2023request Reg

IOTHOD <iothod@mrec.ac.in>

Fri, Jan 27, 11:05 AM

to <deanengineering@edu.ac.in>

Dear sir,

We welcome to accept our invitation as Resource Personfor"Internet of Things" from 30.01.2023 to 04.02.2023 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.

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



Resource Person Request- One Week Workshop on Internet of Things on 30.01.2023 to 04.02.2023 Acceptance Reg

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

Sat, Jan28, 12:05 PM

to < iothod@mrec.ac.in>

sir.

With Reference to mail on 27.01.2023 for acceptance of Resource personfrom onon30.01.2023 to 04.02.2023 titleOne 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

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Maila Reddy English College
Maila Reddy English College
Maisangaguda, Dhulapally,
Maisangaguda, 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 Internet of Things

Certificate

This is to certify that <u>MD.NAZIA AFREEN</u> Department of Computer Science & Engineering – Internet of Things from Malla Reddy Engineering College has successfully completed the One Week Workshop on "Internet of Things" held on 30.01.2023 to 04.02.2023 organized by Department of Computer Science and Engineering – Internet of Things, MREC (Autonomous), Hyderabad, Telangana

Coordinator



HOD

Principal alla Redd Principal Colleg Maisammagua China bily,

post Via Kompally),



MALLA REDDY ENGINEERING COLLEGE



(Autonomous - main Campus))

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

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One Week Workshop On Internet of Things Certificate

This is to certify that <u>R.SHARVANI</u> Department of Computer Science & Engineering – Internet of

Things from Malla Reddy Engineering College has successfully completed the One Week Workshop on

"Internet of Things" held on 30.02.2023 to 04.02.2023 organized by Department of Computer Science

and Engineering – Internet of Things, MREC (Autonomous), Hyderabad, Telangana





HOD

Princhel Malla Reddy France The College Maisammaguda, Dhulapally, (Post Via Kompally), Sec-bad-5001



MALLA REDDY ENGINEERING COLLEGE



(Autonomous - main Campus))

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

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One Week Workshop Internet of Things Certificate

This is to certify that P.MAHESH Department of Computer Science & Engineering - Internet of

Things from Malla Reddy Engineering College has successfully completed the One Week Workshop on

"Internet of Things" held on 30.01.2023 to 04.02.2023 organized by Department of Computer Science

and Engineering – Internet of Things, MREC (Autonomous), Hyderabad, Telangana

Coordinator



Maisammaguda, Dhulapally (Post Via Kompally), Sec-bad-50



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Maisammaguda (H), Medchal - Malkajgiri District, Secunderabad,
Telangana State-500100. Website: www.mrec.ac.in

One WeekWorkshop

on "Internet of Things"

S.NO	Name of the Student	Roll No	Student yr.	College
1	21J41A6901	A RAMYA SREE	II - UG	MREC
2	21J41A6902	ABHINAV THATIPALLY	II - UG	MREC
3	21J41A6903	AGGU LAYA	II - UG	MREC
4	21J41A6904	ANANTHOJU VISHWA TEJ	II - UG	MREC
5	21J41A6905	ANGADI SINDU PRASANNA	II - UG	MREC
6	21J41A6906	ASHALA SANJANA	II - UG	MREC
7	21J41A6907	BANOTH VAMSHI KRISHNA	II - UG	MREC
8	21J41A6908	BASANAGAI PARTHASARATHI REDDY	II - UG	MREC
9	21J41A6910	BODDULA VAISHNAVI	II - UG	MREC
10	21J41A6912	BONGONI SWARAJ	II - UG	MREC
11	21J41A6913	BOPPANA CHATHURYA	II - UG	MREC
12	21J41A6915	BOYA DEVARABANDA RAMAKRISHNA	II - UG	MREC
13	21J41A6916	BURLA SHRUTHI	II - UG	MREC
14	21J41A6917	BYREDDY SAI KIRAN REDDY	II - UG	MREC
15	21J41A6918	CH NEHA REDDY	II - UG	MREC
16	21J41A6919	CH SAJEEN	II - UG	MREC
17	21J41A6920	CHILUVERU SHIVAMANI	II - UG	MREC
18	21J41A6921	CHUNCHU KAMAL	II - UG	MREC
19	21J41A6923	EEGA ANUHYA REDDY	II - UG	MREC
20	21J41A6901	A RAMYA SREE	II - UG	MREC
21	21J41A6902	ABHINAV THATIPALLY	II - UG	MREC
22	21J41A6903	AGGU LAYA	II - UG	MREC
23	21J41A6904	ANANTHOJU VISHWA TEJ	II - UG	MREC
24	21J41A6905	ANGADI SINDU PRASANNA	II - UG	MREC
25	21J41A6906	ASHALA SANJANA	II - UG	MREC
26	21J41A6907	BANOTH VAMSHI KRISHNA	II - UG	MREC
27	21J41A6908	BASANAGAI PARTHASARATHI REDDY	II - UG	MREC
28	21J41A6910	BODDULA VAISHNAVI	II - UG	MREC
29	21J41A6912	BONGONI SWARAJ	II - UG	MREC
30	21J41A6913	BOPPANA CHATHURYA	II - UG	MREC
31	21J41A6915	BOYA DEVARABANDA	II - UG	MREC

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

1		RAMAKRISHNA		
32	21J41A6916	BURLA SHRUTHI	II - UG	MREC
33	21J41A6917	BYREDDY SAI KIRAN REDDY	II - UG	MREC
34	21J41A6924	G HARISH KUMAR	II - UG	MREC
35	21J41A6925	GAVINI VENKAT AMAR	II - UG	MREC
36	21J41A6926	GODA NIRANJAN YADAV	II - UG	MREC
37	21J41A6928	GUDDINTI APURVA	II - UG	MREC
38	21J41A6929	GUNDETI RACHANA	II - UG	MREC
39	21J41A6930	JINDAM ABHILASH	II - UG	MREC
40	21J41A6931	JULURI DILEEP GOUD	II - UG	MREC
41	21J41A6932	K MANI VARSHITH	II - UG	MREC
42	21J41A6933	KAIRAMKONDA NITHISH	II - UG	MREC
43	21J41A6934	GUDDINTI APURVA	II - UG	MREC
44	21J41A6935	KAVALI NARESH	II - UG	MREC
45	21J41A6937	KONAKANCHI LAXMAN	II - UG	MREC
46	21J41A6938	KORNI VENKATESH	II - UG	MREC
47	21J41A6939	KOTA PRASANTHI	II - UG	MREC
48	21J41A6940	M CHARITHA	II - UG	MREC
49	21J41A6941	M NIKSHITH KUMAR	II - UG	MREC
50	21J41A6943	MALAKA ABHISAKH	II - UG	MREC
51	21J41A6944	MANGA SAMUEL	II - UG	MREC
52	21J41A6945	MANNAM KRANTHI	II - UG	MREC
53	21J41A6946	MANNAPELLI NAVANEETH	II - UG	MREC
54	21J41A6947	MAYA LAHARI	II - UG	MREC
55	21J41A6948	MOHAMMAD ABDUL MUTAKABBIR ALI	II - UG	MREC
56	21J41A6954	PATIKE NITHISH	II - UG	MREC
57	21J41A6955	PENUGONDA NANDINI VAGDEVI	II - UG	MREC
58	21J41A6957	PULIKONDA NEERAJ	II - UG	MREC
59	21J41A6958	PULLAIAHGARI VEERA VARDHANREDDY	II - UG	MREC
60	21J41A6959	RAVULA SANJAY	II - UG	MREC
61	21J41A6960	RAYAPROOLA SHARVANI	II - UG	MREC
62	21J41A6961	SILVERI KEERTHI THANMAI	II - UG	MREC
63	21J41A6962	THALLAPELLI SREEKAR	II - UG	MREC
64	21J41A6963	V NITHIN	II - UG	MREC
65	21J41A6965	VYDYULA SHANTHAN DATTA	II - UG	
66	22J45A6902			MREC
00		MIDATHAPALLY CHARAN	II - UG	MREC

Co-Ordinator



HOD CSE TO Things

HOD CSE TO Things

Malla Reddy Engineering College and Maisammaguda, Dhulapally,

Maisammaguda, Sec-bad-500100.

(Post Via Kompally),



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One Week workshop

"Internet of Things"

S.No	ROLL NO	Name of the Student	Year	Certified
1	21J41A6901	A RAMYA SREE	II-UG	YES
2	21J41A6902	ABHINAV THATIPALLY	II-UG	YES
3	21J41A6903	AGGU LAYA	II-UG	YES
4	21J41A6904	ANANTHOJU VISHWA TEJ	II-UG	YES
5	21J41A6905	ANGADI SINDU PRASANNA	II-UG	YES
6	21J41A6906	ASHALA SANJANA	II-UG	YES
7	21J41A6907	BANOTH VAMSHI KRISHNA	II-UG	YES
8	21J41A6908	BASANAGAI PARTHASARATHI REDDY	II-UG	YES
9	21J41A6910	BODDULA VAISHNAVI	II-UG	YES
10	21J41A6912	BONGONI SWARAJ	II-UG	YES
11	21J41A6913	BOPPANA CHATHURYA	II-UG	YES
12	21J41A6915	BOYA DEVARABANDA RAMAKRISHNA	II-UG	YES
13	21J41A6916	BURLA SHRUTHI	II-UG	YES
14	21J41A6917	BYREDDY SAI KIRAN REDDY	II-UG	YES
15	21J41A6918	CH NEHA REDDY	II-UG	YES
16	21J41A6919	CH SAJEEN	II-UG	YES
17	21J41A6920	CHILUVERU SHIVAMANI	II-UG	YES
18	21J41A6921	CHUNCHU KAMAL	II-UG	YES



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

			II-UG	YES
19	21J41A6923	EEGA ANUHYA REDDY		
20	21J41A6924	G HARISH KUMAR	II-UG	YES
21	21J41A6925	GAVINI VENKAT AMAR	II-UG	YES
22	21J41A6926	GODA NIRANJAN YADAV	II-UG	YES
23	21J41A6928	GUDDINTI APURVA	II-UG	YES
24	21J41A6929	GUNDETI RACHANA	II-UG	YES
25	21J41A6930	JINDAM ABHILASH	II-UG	YES
26	21J41A6931	JULURI DILEEP GOUD	II-UG	YES
27	21J41A6932	K MANI VARSHITH	II-UG	YES
28	21J41A6933	KAIRAMKONDA NITHISH	II-UG	YES
29	21J41A6934	GUDDINTI APURVA	II-UG	YES
30	21J41A6935	KAVALI NARESH	II-UG	YES
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32	21J41A6938	KORNI VENKATESH	II-UG	YES
33	21J41A6939	KOTA PRASANTHI	II-UG	YES
34	21J41A6940	M CHARITHA	II-UG	YES
35	21J41A6941	M NIKSHITH KUMAR	II-UG	NO
36	21J41A6943	MALAKA ABHISAKH	II-UG	YES
37	21J41A6944	MANGA SAMUEL	II-UG	NO
8	21J41A6945	MANNAM KRANTHI	II-UG	YES
9	21J41A6946	MANNAPELLI NAVANEETH	II-UG	YES
0	21J41A6947	MAYA LAHARI	II-UG	YES
1	21J41A6948		II-UG	YES
2	21J41A6949	MOHAMMAD ABDUL MUTAKABBIR ALI	II-UG	YES
3	21J41A6950	MOHAMMAD NAZIYA AFRIN MOHAMMAD YOUNUS AHMED	II-UG	YES





	44 21J41A6951	MOHAMMED SUFIYAN ALI	II-UG	NO
4	45 21J41A6952	NENAVATH AKASH	II-UG	YES
4	21J41A6954	PATIKE NITHISH	II-UG	YES
4	7 21J41A6955	PENUGONDA NANDINI VAGDEVI	II-UG	YES
48	8 21J41A6957	PULIKONDA NEERAJ	II-UG	YES
49	21J41A6958	PULLAIAHGARI VEERA VARDHANREDDY	II-UG	YES
50	21J41A6959	RAVULA SANJAY	II-UG	YES
51	21J41A6960	RAYAPROOLA SHARVANI	II-UG	YES
52	21J41A6961	SILVERI KEERTHI THANMAI	II-UG	YES
53	21J41A6962	THALLAPELLI SREEKAR	II-UG	YES
54	21J41A6963	V NITHIN	II-UG	YES
55	21J41A6965	VYDYULA SHANTHAN DATTA	II-UG	YES
56	22J45A6902	MIDATHAPALLY CHARAN	II-UG	YES
57	22J45A6903	PRAVEEN PIPADIPALLY	II-UG	YES
58	22J45A6904	SUDAGONI VYSHNAVI	II-UG	YES
59	22J45A6905		II-UG	YES
60	22J45A6906	CHINTAL PEERA REDDY KANDI PRAVEEN KUMAR	II-UG	YES

Co-Ordinator



Malla Reddy Engineering College
Maisammaguela Bhulapally
Maisammaguela See bad-500100.

(Post Via Kompally), See bad-500100.

Head of the Japartment
Dept.of CSE (internal of things)
This Reddy Engineering College (Autom
Secunderabad, Telengans, State