



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

Department of Computer Science and Engineering

CIRCULAR

Date: 24/05/2022

All the students are hereby informed that Value Added Course on “**Internet of Things**” is being organized by the **Computer Science and Engineering** Department on dated **28th May 2022 to 01ST JULY 2022**. The resource person for the course is **Ms.N.Hemalatha, Skiltemate Technologies**.

Students are advised to register their names to the programme coordinator “**Ms.S.Viharika, Assistant professor CSE Department**”, on or before 26/05/2022 and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.


Head of the Department

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.




PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal(M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Rama Swami Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy
Founder Chairman
Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr.A.Ramaswami Reddy
Principal, MREC (A)

Convener: Dr.Lakshmipathi Anantha
HOD CSE

Coordinator: Ms.S.Viharika,
Assistant professor, CSE

Resource Person: Ms.N.Hemalatha,
Skiltemate Technologies.

Organizing Committee:

Dr. P. Srinivas, Professor, CSE
Dr. J. Anitha, Professor, CSE
Dr. N. Supriya, Professor, CSE
Mr. P.V. Ramana Murthy, Associate Professor, CSE
Mr. K Arun Kumar, Assistant Professor, CSE
Mr. K. SubbaShanker, Assistant Professor, CSE
Mr. S. Ajay Kumar, Assistant Professor, CSE
Mr. B. Raja Rao, Assistant Professor, CSE

Mr.



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*A One-Week Skill development Course
(Value added Course)*

On

"INTERNET OF THINGS (IOT)"

28th May 2022 to 01st JULY 2022



Organized by

Department of

Computer Science and Engineering

MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved by

AICTE & Affiliated to JNTUH-Hyderabad

Reaccredited by NAAC with 'A' Grade (II Cycle)

Maisammaguda(H), Gundlapochampally (V),

Medchal (M), Medchal - Malkajgiri District

Telangana - 500100, India

Registration Form

Name of the Participant :-----

Branch & Year :-----

Name of Institution:-----

Address for Communication:-----

Mobile Number:-----

E-Mail ID:-----

DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.

The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

Overview of the Programme

The **IOT** course recognizes basic skills in installing, supporting, and troubleshooting wired and/or wireless networks. One can choose from several tracks, including Cloud, Collaboration, Cyber Ops, Data Center, Industrial, Routing and Switching, Security, Service Provider and Wireless.

The **IOT** certification validates your skills and knowledge in network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

Objectives of the Programme

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Understand and describe basic switching concepts and the operation of Cisco switches
- Understand and describe enhanced switching technologies
- Understand and describe dynamic routing protocols, distance vector routing protocols, and link-state routing protocols
- Configure and troubleshoot basic operations in a small switched and routed network
- Configure and troubleshoot VLANs and inter-VLAN routing

Topics to be covered

- Exploring the Network,
- Configuring a Network Operating System,
- Network Protocols and Communications,
- Network Access

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program,

On completion of this course, participants will be able to equip with all the skills required to match their expectations.



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Vijaya Kompally, Sec'bad-500 100

Value Added Courses
On
"Internet of Things"

28.05.2022 to 01.07.2022

Organized by

Department of Computer Science and Engg.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally Post, via Kompally
Secunderabad- 500100

REGISTRATION FORM

Date: 28.05.2022

1. Name of the Participant 2054108803
..... N. Rohith
2. Designation Student
3. Qualification: M.Tech CSE
4. Institute: MREC
5. Address for communication: Near SBI ATM, Balij Nagar
..... Jawahar Nagar, Balij Nagar
..... Nagarajam
6. Mobile Number 9846143267
7. E-mail: Rohith@yahoo.com

Date: 28/5/22



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Signature of the Applicant

Value Added Courses

On

"Internet of Things"

28.05.2022 to 01.07.2022

Organized by

Department of Computer Science and Engg.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally Post, via Kompally
Secunderabad- 500100

REGISTRATION FORM

Date: 28.05.2022

1. Name of the Participant 215K105807
..... V. N. Manoj Reddy
2. Designation student
3. Qualification: M. Tech - CSE
4. Institute: MREC - A
5. Address for communication: Suraram colony,
..... near Signal Point, Suraram
..... Medimetta, Balanagar
6. Mobile Number 9522468028
7. E-mail: Manoj.Reddy@gmail.com

Date:



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Signature of the Applicant

Manoj



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INTERNET OF THINGS

Course code: VACECSE08

Duration of the course: (30 hrs)

Objective of the course:

This course focuses on the latest microcontrollers 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

UNIT 1:

Total hrs: 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 – IEEE802.15.4–BACNet Protocol– Modbus – 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 IoT stack - Overview- IoTivity stack architecture- Resource model and Abstraction.

UNIT 4:

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.



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UNIT 5:

Total hrs :6hrs

Content: IOT APPLICATIONS - IoT applications for industry: Future Factory Concepts, Brownfield IoT, Smart Objects, Smart Applications. Study of existing IoT platforms /middleware, IoT- A, Hydra etc.

Outcome of the course:

After the completion of the course, the students will be able design some IOT based prototypes



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Telangana State – 500100, www.mrec.ac.in

Department: CSE

Date: 28.05.2022 to 01.07.2022

II M.Tech I Sem Value Added Course Attendance Sheet
Internet of Things

Sl.No	Roll No	Name of the student	28/5	30/5	31/5	1/6	2/6	3/6	4/6	6/6	7/6	8/6	9/6	10/6	11/6	13/6	14/6
1	20J41D5801	Talasila Alekhya	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att
2	20J41D5802	U. Shireesha	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att
3	20J41D5803	N Rohith	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att
4	20J41D5804	ABDUL GAFFAR KHAN	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att	Att
5	21J41D5801	KOLUSU VENKATA SAI PAVAN BABU	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan
6	21J41D5802	KONDA SUMA	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma
7	21J41D5803	RACHARLA BHANU CHANDER	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs	Bs
8	21J41D5804	SATHWIKA MIKKILI	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl
9	21J41D5805	SATTIVADA DINESH KUMAR	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
10	21J41D5806	TANDRA SAI PRASANNA	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl	Sl
11	21J41D5807	VELLALA NAGA SAI MANOJ REDDY	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Co-Ordinator



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HOD

Head of the Department
Dept. of Computer Science and Engineering
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Department: CSE

Date: 28.05.2022 to 01.07.2022

II M.Tech I Sem Value Added Course Attendance Sheet
Internet of Things

Sl. No	Roll No	Name of the student	15/6	16/6	17/6	18/6	20/6	21/6	22/6	23/6	24/6	25/6	27/6	28/6	29/6	30/6	1/7
1	20J41D5801	Talasila Alekhya	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	20J41D5802	U. Shireesha	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	20J41D5803	N Rohith	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	20J41D5804	ABDUL GAFFAR KHAN	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
5	21J41D5801	KOLUSU VENKATA SAI PAVAN BABU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	21J41D5802	KONDA SUMA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	21J41D5803	RACHARLA BHANU CHANDER	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
8	21J41D5804	SATHWIK MIKKILI	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
9	21J41D5805	SATTIVADA DINESH KUMAR	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
10	21J41D5806	TANDRA SAI PRASANNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	21J41D5807	VELLALA NAGA SAI MANOJ REDDY	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Co-Ordinator



Principal
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HOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

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Secunderabad- 500100

Value Added Courses

On

"Internet of Things"

Organized by

Department of Computer Science and Engg.

FEED BACK FORM

Thank you for your Interest to attend value added courses:

Please provide your valuable feedback

1. How well was the session organized?

☒ Excellent

☐ Good

☐ Poor

2. How good is the content of this value Added course?

☒ Excellent

☐ Good

☐ Poor

3. Do you feel the resource person explain the all concepts?

☒ Excellent

☐ Good

☐ Poor

4. How all the topics given in the program scheduled been covered?

☒ Excellent

☐ Good

☐ Poor

5. Other comments if any : _____



Principal
Malla Reddy Engineering College
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Maisammaguda, Dhulapally,
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Signature of the participant

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

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Signature of the participant



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

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VALUE ADDED COURSES

On

“Certification program on Internet of Things”

Certificate

This is to certify that 21J41D5807, VELLALA NAGA SAI MANOJ REDDY from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Internet of Things” held from 28.05.2022 to 01.07.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


HOD


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VALUE ADDED COURSES

On


“Certification program on Internet of Things”

Certificate

This is to certify that 21J41D5805, SATTIVADA DINESH KUMAR from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Internet of Things” held from 28.05.2022 to 01.07.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


HOD


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VALUE ADDED COURSES

On

“Certification program on Internet of Things”

Certificate

This is to certify that 21J41D5803, RACHARLA BHANU CHANDER from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Internet of Things” held from 28.05.2022 to 01.07.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous), Hyderabad, Telangana


Coordinator


HOD


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VALUE ADDED COURSES

On

“Certification program on Internet of Things”

Certificate

This is to certify that 20J41D5801 Talasila Alekhya from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Internet of Things” held from 28.05.2022 to 01.07.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous), Hyderabad, Telangana


Coordinator


HOD


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VALUE ADDED COURSES

On

“Certification program on Internet of Things”

Certificate

This is to certify that 20J41D5803. N Rohith from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Internet of Things” held from 28.05.2022 to 01.07.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


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