



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2<sup>nd</sup> time by NAAC  
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP-II S.C. 1.1)  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Information Technology

### CIRCULAR

Date: 06.07.2015.

All the students are hereby informed that Value Added Course on “**NETWORKING**” on date 06.07.2015 to 14.08.2015 is being organized by the Information Technology department. The resource person for the course is “IBM PVT”.

Students are advised to register their names to the programme coordinator “Mr.M.Thukkaram Reddy”, on or before 05-07-2015 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.

*V. S. R. Reddy*  
Head of the Department

Copy to:

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



*Ravendra*  
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. The college is situated in a serene, lush green environment in Maisammaguda, Secunderabad 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- IT 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. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.



### Advisory Committee:

- Chief Patrons:** **Sri. Ch. Malla Reddy,**  
Founder Chairman, MRGI
- Patrons:** **Sri.Ch. Mahender Reddy**  
Secretary, MRGI  
**Dr.Ch.Bhadra Reddy**  
President, MRGI
- Co-Patrons:**  
**Dr. S. Sudhakara Reddy**  
Principal, MREC (A)
- Convener:** **Mr. V.Sathish Kumar**  
HOD IT
- Coordinator:** **Mr. Mr.G. Sathish**  
Assistant Professor, IT

### Organizing Committee:

- Mr.A.Venkatrami Reddy,** Assistant Professor, IT
- Mr.K.Saidi Reddy,** Assistant Professor, IT
- Mr.G. Sathish,** Assistant Professor, IT
- Mr. Chandrasekhar,** Assistant Professor, IT
- Ms.S.V.V Sitamahalakshmi,** Assistant Professor, IT



*A 32-Hours Value added Course)*

*On*

**“NETWORKING”**

06-07-2015 to 14-08-2015

**In Association with**

**IBM Pvt.Ltd.**



**Organized by**

**Department of Information Technology**

**MALLA REDDY ENGINEERING COLLEGE**

**MAIN CAMPUS**

**UGC Autonomous Institution, Approved by  
AICTE & Affiliated to JNTUH-Hyderabad  
Accredited by NAAC with ‘A’ Grade  
Maisammaguda, Telangana - 500100, India.**

*Ravi*  
**PRINCIPAL**  
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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Value Added Course

on

**“NETWORKING”**

06.07.2015 to 14.08.2015

**Course Content**

Date	Topic
06.07.2015 To 14.08.2015	<b>Introduction.</b> Overview and motivation. The Telephone Network and the Internet.
	<b>Reliable Delivery.</b> Framing, ARQ, Stop-and-Wait, RTT estimation, sliding window, Go-Back-N retransmission.
	<b>Socket Programming.</b> UDP, TCP, Internet checksum. Connection establishment.
	<b>Punctuality.</b> Understanding the importance of time and time management
	<b>Congestion Control.</b> Further discussion on TCP and recent enhancements.
	<b>Queuing and Scheduling, Routing .</b> FIFO and fair queuing disciplines. Max-min fairness.
	<b>Routing &amp; Switching.</b> Cell switching & ATM service classes.
	<b>Routing &amp; Switching.</b> Switch architectures. Switching fabrics. Space-division multiplexing vs. shared-memory switches.
	<b>Internetworking.</b> Internet Protocol (IP) The best effort service model. IP header structure.
	<b>Internetworking.</b> Inter- and intra-domain routing. RIP, OSPF, BGP. CIDR.
	<b>Link/MAC Layer.</b> Introduction to media access control. ALOHA.
	<b>Physical Layer.</b> Shannon's law. Source and channel coding. BCH Codes.
<b>Network Security.</b> Security and Cryptography.	



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[www.mrec.ac.in](http://www.mrec.ac.in)

### Department of Information Technology

Networking Participates (06.07.2015 to 14.08.2015)

Sl.No	Roll No	Name
1	13J41A1201	ADEPU SRI RAM CHARAN DAS
2	13J41A1202	ALETI AKHILESH
3	13J41A1203	ANKIT SETHI
4	13J41A1204	B PRIYANKA
5	13J41A1205	B.K. SACHIN KUMAR
6	13J41A1206	BANDI MOUNIKA DEVI
7	13J41A1207	BATCHU POOJITHA
8	13J41A1208	BURHANUDDIN Y BARFI
9	13J41A1209	CHIKOTI RAJASRI
10	13J41A1210	CHILAGANI SINDHUJA
11	13J41A1211	CHINTHA PAVANI
12	13J41A1212	CHOWDERPALLY SAI TEJA
13	13J41A1213	GADDAM AK ARSH REDDY
14	13J41A1214	GANDHAM SAINIKHIL YADAV
15	13J41A1215	GUDE SAI VIKAS
16	13J41A1216	GUNREDDY CHARAN TEJA REDDY
17	13J41A1217	KAILA DURGA PRASAD
18	13J41A1218	KANASANI PRIYANKA
19	13J41A1219	KESIRAJU CHINMAI SAI SRIVASTHVA
20	13J41A1220	KOLLOJU SHAMSUNDER
21	13J41A1221	KONTHAM LAVANYA REDDY
22	13J41A1222	KOPPULA CHATURVEDI GOUD
23	13J41A1223	M RAKESH
24	13J41A1224	MADHURI SAI PRAKASH

25	13J41A1225	MULAGALA SRI ADI LAKSHMI
26	13J41A1226	MUNDRU MAHEETH
27	13J41A1227	N. ARVIND KUMAR
28	13J41A1228	NAGUI.APALLY VINITHA
29	13J41A1229	NALLA MANOJ REDDY
30	13J41A1230	NANNURI HARSHA
31	13J41A1231	P.VISHAL
32	13J41A1232	PADMA PREM

*V. Sathish Kumar*

**HoD-IT**

**Head**

**Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.**



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## CERTIFICATE OF COMPLETION

*This is to certify that Mr. /Mr. M RAKESH bearing Roll No 13J41A1223 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "IBM RVT".*

  
COORDINATOR

  
HOD

  
PRINCIPAL



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*This is to certify that Mr. /Mr. GUDDE SAI VIKAS bearing Roll No 13J41A1215 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "IBM RVT".*

  
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HOD

  
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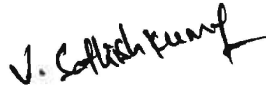
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## CERTIFICATE OF COMPLETION

*This is to certify that Mr. /Ms. PONNUGA RAO bearing Roll No 13J41A1211 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "IBM RVC".*

  
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*This is to certify that Mr. /Ms. POLKOTI RAJASR bearing Roll No 13J41A1209 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "JBM RCT".*

  
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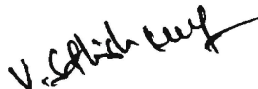
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## CERTIFICATE OF COMPLETION

*This is to certify that Mr. /Ms. BATHURU ROJITHA bearing Roll No 13J41A1207 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "IBM RVT".*

  
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## CERTIFICATE OF COMPLETION

*This is to certify that Mr. /Ms. B. Priyanka bearing Roll No 13J41A1204 has successfully completed Certificate / Value Added Course / Workshop on "Networking" conducted by the Department of Information Technology, from 06.07.2015 to 14.08.2015, with the collaboration of "JOB M RPT".*

  
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