



**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 Computer Science and Engineering

### CIRCULAR

Date: 21/06/2015

All the students are hereby informed that Value Added Course on “**Cloud computing**” is being organized by the **Computer Science and Engineering** department on dated 1<sup>st</sup> July 2015 to 5<sup>th</sup> Aug 2015. The resource person for the course is “**Mr. BV Ramana**, Associate Professor, VNR VJIE”.

Students are advised to register their names to the programme coordinator “**Mr. YaravRokesh Kumar**, Asst Prof, CSE Dept”, on or before 28/06/2015 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.

*Masafani*  
Head of the Department

Copy to:

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



*Ravindh*  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Secbad-500100

## 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. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.



*Ramish*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Past Via Kompally), Sec'bad-500100

## 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.S. Sudhakara Reddy  
Principal, MREC (A)

**Convener:** Dr. Md. Masthan  
HOD CSE

**Coordinator:** Mr. YaravRokesh Kumar  
Assistant Professor, CSE

**Resource Person:** Mr. B.V Ramana,  
Associate Professor VNR VJIT.

## Organizing Committee:

Dr. R P Ramkumar, Professor, CSE

Dr. S. Dhanalakshmi, Professor, CSE

Mr. Sanjeeva Polepaka, Associate Professor, CSE

Mr. P.V. Ramana Murthy, Assistant Professor, CSE

Ms. S. Sandhya Ran, Assistant Professor, CSE

Mr. Md. Inayathulla, Assistant Professor, CSE

Mr. A. Lakshman, Assistant Professor, CSE

Mr. Yarava Rokesh Kumar, Assistant Professor, CSE

Mrs. G. Vamshi Krishna, Assistant Professor, CSE



*A One-Month Skill development Course*

*(Value added Course)*

*On*

**"Cloud Computing"**

**(1<sup>st</sup> July 2015 to 5<sup>th</sup> August 2015)**

**(4:30 p.m. to 5:30 p.m.)**



*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



*Ramesh*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
Post: Va. Kompally, Sec'bad-500105

## 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

Cloud computing is the next natural step in the evolution of on-demand information technology services and products. To a large extent cloud computing will be based on virtualized resources. The idea of cloud computing is based on a very fundamental principal of 'reusability of IT capabilities'. The difference that cloud computing brings compared to traditional concepts of —grid computing, —distributed computing, —utility computing, or —autonomic computing is to broaden horizons across organizational boundaries.

## Objectives of the Programme

During the Cloud computing course, administered by the undersigned instructor, the student wasable to proficiently:

- Understand and describe fundamentals of cloud computing.
- Understand and describe basic Cloud Services.
- Understand and describe concept and idea about Google AI Cloud and its Services
- Learn about concepts of AI and ML on AWS.
- Configure AWS, MLOPs and DevOps for Deep Learning frame works in clouds.

## Topics to be covered

- Fundamentals of Cloud Computing
- Basics of Cloud Services
- Google AI Cloud and its Services
- AI / ML on AWS and its Infrastructure
- Deep Learning Frameworks in Cloud
- AWS MLOps and DevOps

## 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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500100

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### VAC CLOUD COMPUTING SYLLABUS

1. Introduction- Objectives, from collaborative to the Cloud – A short history Client – Server Computing, Peer-to-Peer Computing,
2. Distributed Computing, Collaborative Computing, Cloud Computing, Functioning of Cloud Computing, Cloud Architecture, Cloud Storage, Cloud Services, Industrial Applications.
3. Business Values, Introduction-Objectives, Service Modeling, Infrastructure Services, Platform Services, Software Services –
4. Software as service modes- Massively scaled software as a service- Scale of Economy, Management and Administration.
5. Inside Cloud Computing- Introduction- Objectives, Feeling Sensational about Organization, Making Strategy Decisions-
6. Governance Issues- Monitoring Business Processes- IT Cost Management,
7. Cloud Service Administration- Service Level Agreements and Monitoring-Support Services- Accounting Services,
8. Resource Management- IT Security- Performance Management- Provisioning- Service Management, Untangling Software Dependencies.
9. Cloud Computing Technology- Introduction-Objectives, Clients – Mobile – Thin – Thick, Security - Data Linkage - Offloading Work - Logging - Forensics - Development – Auditing, Network-
10. Basic Public Internet- The Accelerated Internet- Optimized Internet Overlay- Site-to-Site VPN- Cloud Providers- Cloud Consumers - Pipe Size- Redundancy, Services- Identity- Integration- Mapping- Payments- Search.



*Raush*  
Principal  
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Maisammaguda (H), Medchal-Malkajgiri District,  
Telangana State – 500100

**Department: CSE**

**Course Name: CLOUD  
COMPUTING**

**Date:01/07/2015-05/08/2015**

**Value Added Courses  
List of Students enrolled and completed**

Sl.No	Roll No	Name of the students	Year/Semester
1	13J41A0505	B.GANANESHWAR KUMAR	III/I
2	13J41A0506	B.PRIYANKA REDDY	III/I
3	13J41A0507	BANDARI VAMSHI BABU	III/I
4	13J41A0508	B.BHASKAR	III/I
5	13J41A0509	BANOTH SAINATH SINGH	III/I
6	13J41A0510	BODIGE NIKHIL KUMAR	III/I
7	13J41A0511	B.SAI SARATH CHANDRA	III/I
8	13J41A0512	DHARAVATH MOHAN	III/I
9	13J41A0513	GADDAM SURESH	III/I
10	13J41A0514	GANGULA PRIYANKA	III/I
11	13J41A0515	G.MEGHANA GAYATHRI	III/I
12	13J41A0516	GONGALLA AISHWARYA	III/I
13	13J41A0522	JAI BHADUR SINGH	III/I
14	13J41A0523	K.ISSAC NITISH	III/I
15	13J41A0524	K.MANASA	III/I
16	13J41A0525	KACHE SUSHEEL	III/I
17	13J41A0526	KAKARAPARTI.SAICHANDER	III/I
18	13J41A0527	KAPARTHI AKHILA	III/I
19	13J41A0528	KODIMELA SAI SRUTHI	III/I
20	13J41A0529	K JAGAN	III/I
21	13J41A0530	LALITHKUMAR	III/I
22	13J41A0531	LENKALA SAI KIRAN REDDY	III/I
23	13J41A0532	LOSARI VENKATA VINAMRATHA	III/I
24	13J41A0533	DATTA KIRAN MADIPALLI	III/I
25	13J41A0534	M AJAY RAJ	III/I
26	13J41A0535	MD SHAFI-UL-HUDA	III/I
27	13J41A0536	MD.AHMED KHAN	III/I
28	13J41A0537	MURARISHETTI SHIVA KUMAR	III/I
29	13J41A0538	M SUNITHA	III/I



*Reviewed*  
Principal  
Malla Reddy Engineering College,  
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(Post Via Kompally), Sec'bad-500100

30	13J41A0557	VEMULA PRAVEEN	III/I
31	13J41A0558	VERURU SHAIK ISMAIL	III/I
32	13J41A0560	YERUVA VENKATA SAI PRASAD REDDY	III/I
33	14J45A0501	JAVVADI PRAVEEN KUMAR	III/I
34	14J45A0502	ADAVALLI ANIRUDH	III/I
35	12J41A0517	SUNIL REDDY	III/I
36	13J41A0571	C TRINETH REDDY	III/I
37	13J41A0572	CH PAVAN KUMAR	III/I
38	13J41A0573	CH MANISHA	III/I
39	13J41A0575	D ROHIT	III/I
40	13J41A0576	D SAINATH	III/I
41	13J41A0577	D MADUGLA BABU	III/I
42	13J41A0578	DIVYA KHOLA	III/I
43	13J41A0579	E VENKATA SATISH	III/I
44	13J41A0580	GAJULA HRUSHIKESH	III/I
45	13J41A0585	K AKSHARA	III/I
46	13J41A0586	KANDI RAJASHEKAR REDDY	III/I
47	13J41A0587	KANDUKURI PRANATHI	III/I
48	13J41A0588	K PRASHANTH	III/I



*Rawsh*  
Principal  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### VAC- Cloud Computing -Summary

06.08.2015

The 30+ hour Cloud Computing value added course is conducted smoothly as per the schedule and plan from 1<sup>st</sup> July 2015 to 6<sup>th</sup> Aug 2015. The speaker has covered several important topics in addition to covering the real time examples. Several ppts also presented during the session. The students have been listening very interestingly as the course has very relevance to the industry needs. It has been very interactive between the speaker and the students. Some of the real time cloud services like Google cloud, Amazon Web Services have been introduced to the students.

**Objectives:**

- Expand the knowledge about Cloud computing.
- To understand the Architecture of Cloud computing.
- To understand all Services provided by cloud computing (IaaS, PaaS, SaaS, etc.)
- To understand the Amazon Web Services.
- The speaker has extreme knowledge of cloud computing and on cloud computing approach and handle the servers of cloud. Cloud computing relies on sharing of resources to achieve coherence and economy of scale, similar to a utility.

In the simplest terms, cloud computing means storing and accessing data and programs over the Internet instead of your computer's hard drive. The cloud is just a metaphor for the Internet.

**Advantages of Cloud base system:**

- Self-service provisioning.
- Possible Downtime.
- Elasticity.
- Cost.
- Pay per use.
- Security Issues.
- Vulnerability to attack.
- Migration flexibility.
- Inflexibility..

One of the key benefits of cloud computing is the opportunity to replace up-front capital infrastructure expenses with low variable costs that scale with your business. With the Cloud, businesses no longer need to plan for and procure servers and other IT infrastructure weeks or months in advance. Instead, they can instantly spin up hundreds or thousands of servers in minutes and deliver results faster. Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.

**Topics covered in the Course:**

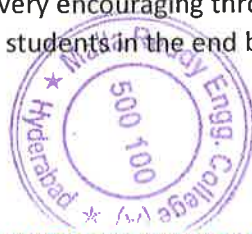
- What Is Cloud computing?
- Need of Cloud computing.
- Uses of Cloud computing.
- Structure of Cloud computing.
- What is Amazon Web Services?
- Utilities of Amazon Web Services.
- Complete reference of Cloud and its Environment.
- Understand Cloud module by video clip and audio visual reference..

**Outcomes:**

- Students were aware about Cloud Computing.
- Students get knowledge about Cloud Infrastructure and its Services.
- Students get idea about how Cloud computing works.
- Students were aware with AWS services.
- Students get knowledge how to configure two servers. .

**Students Review::** "This kind of event is always providing good knowledge about new trend and technology: "Speaker has good knowledge about the topic and easily able to justify the topic" "today I have learn about cloud and its services by this course."

The attendance of the students has been very encouraging through out the course duration. Certificates are issued to eligible students in the end by the Department.



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



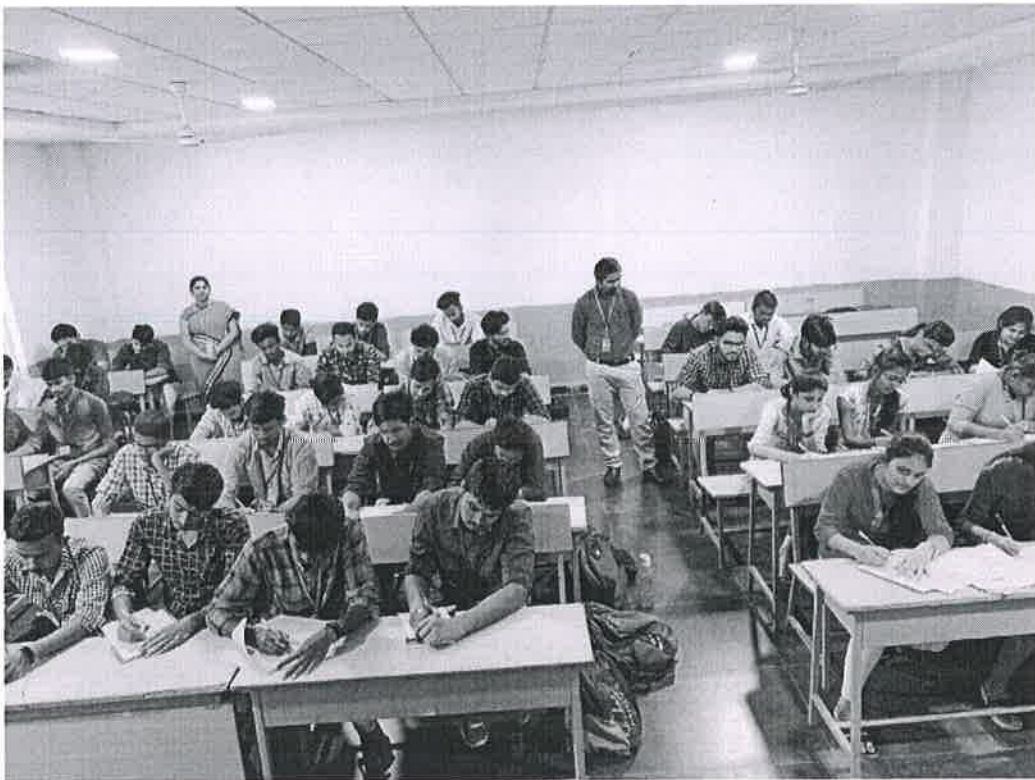
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### VAC CLOUD COMPUTING



*Revised*  
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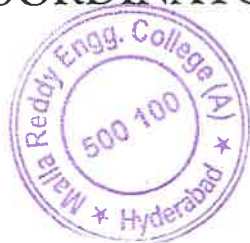


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. B.PRIYANKA REDDY bearing Roll No. 13J41A0506 has successfully completed Certificate / Value Added Course / Workshop in CLOUD COMPUTING conducted by the Department of Computer Science and Engineering from 01st July 2015 to 05 August 2015.

*Y. Rakesh Kumar*  
COORDINATOR



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

*M. Saijith*  
HOD

*Jm*  
PRINCIPAL



# MALLA REDDY ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. M.SUNITHA bearing Roll No. 13J41A0538 has successfully completed Certificate / Value Added Course / Workshop in CLOUD COMPUTING conducted by the Department of Computer Science and Engineering from 01st July 2015 to 05 August 2015.

*X. Rakesh Kumar*  
COORDINATOR



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

*Masafan*  
HOD

*ju*  
PRINCIPAL



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. G.MEGHANA GAYATHRI bearing Roll No. 13J41A0515 has successfully completed Certificate / Value Added Course / Workshop in CLOUD COMPUTING conducted by the Department of Computer Science and Engineering from 01st July 2015 to 05 August 2015.

*Y. Rakesh Kumar*  
COORDINATOR



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

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PRINCIPAL



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. C TRINETH REDDY bearing Roll No. 13J41A0571 has successfully completed Certificate / Value Added Course / Workshop in CLOUD COMPUTING conducted by the Department of Computer Science and Engineering from 01st July 2015 to 05 August 2015.

X. Rakesh Kumar  
COORDINATOR



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

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PRINCIPAL



# MALLA REDDY ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. K AKSHARA bearing Roll No. 13J41A0585 has successfully completed Certificate / Value Added Course / Workshop in CLOUD COMPUTING conducted by the Department of Computer Science and Engineering from 01st July 2015 to 05 August 2015.

*X. Rakesh Kumar*  
COORDINATOR

*[Signature]*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

*Masfani*  
HOD

*[Signature]*  
PRINCIPAL

