



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2nd 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: 09/12/2020

All the students are hereby informed that Value Added Course on “**Amazon web services**” is being organized by the **Computer Science and Engineering** department on dated 19th December 2020 to 25th Jan 2021. The resource person for the course is **Mr. Venkat Reddy, capgemini Academy “**

Students are advised to register their names to the programme co-ordinator “**Mr. S. Ajay kumar , Associate Prof, CSE Dept**”, on or before 16/12/2020 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

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(Post Via Kompally), Sec'bad-500 100

Copy to:

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

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 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. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching^{Mr.} 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. Raveendra**
Principal, MREC (A)

Convener: **Dr. Laxmipathi Anantha**
HOD CSE

Coordinator: **Mr. S. Ajay kumar**
Associate Professor, CSE

Resource Person: **Mr. P. Venkat Reddy**
Head, Capgemini

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 Rakesh Kumar, Assistant Professor, CSE

Mrs.G. Vamshi Krishna, Assistant Professor, CSE

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

On

"AMAZON WEB SERVICES"

(19th December 2020 to 25th January 2021)



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


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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 AWS helps students understand how cloud adoption transforms the way they work, and it provides structure to identify and address gaps in skills and processes. Applying the AWS CAF in your organization results in an actionable plan with defined work streams that can guide your organization's path to cloud adoption. This framework leverages our experience and best practices in assisting organizations around the world their cloud adoption journey.

Objectives of the Programme

During the Amazon web services® course, administered by the undersigned instructor, the student was able to proficiently:

- Understand, describe provide an example of the core AWS services.
- Including compute, network, database, and storage services.
- Identify an appropriate solution using AWS cloud services for various use cases.
- Describe the AWS Well-Architected Framework.

Topics to be covered

- Getting started with amazon cloud
- Amazon EC2
- Identity access management
- Elastic load balancing & Auto scaling
- Elastic beanstalk & Lambda

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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Amazon web services

Course code: VACCS01

Duration of the course: (hrs):32

Objective of the course:

- Describe and provide an example of the core AWS services,
- including compute, network, database, and storage services.
- Identify an appropriate solution using AWS Cloud services for various use cases.
- Describe the AWS Well-Architected Framework.

Unit-1

Total hrs: 7

Getting started with amazon cloud: introduction to cloud computing, models of cloud computing, setting up aws accounts, evaluating service level agreements, various aws services, aws management console, the AWS CLI- using credentials, using roles, aws global infrastructure.

Unit-2

Total hrs: 7

Amazon EC2: amazon machine images, ami creation, security groups, key pairs, assigning elastic IP address, Elastic IP v/s public IP, bootstrap scripts, overview of amazon EBS, EBS volume intro EBS vs instance store, upgrading EBS volume, management tools.

Unit-3

Total hrs: 6

Identity access management: Introduction to IAM, IAM users and their access, IAM roles, and their permission, active directory federation, web identity federation, IAM best practices, assignments.

Unit-4

Total hrs: 6

Elastic load balancing & Auto scaling:

Components and types of load balancing, auto scaling and its benefits, life cycle of auto scaling, components and policies of auto scaling, assignment- configure load balancer.

Unit-5

Total hrs: 6

Elastic beanstalk & Lambda: managing applications using beanstalk, copy S3 object through Lambda, assignment- Deploy and scale a stack using elastic beanstalk

Outcome of the course:

Utilise AWS services to make your **students** scalable, reliable, and highly available in organization level. Use the Well-Architected Framework to improve architectures with AWS solutions. Gain hands-on experience using compute, networking, storage and database AWS services covering IaaS and PaaS.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VAC- AMAZON WEB SERVICES- Summary

22-01-2021

Course duration: 19th December 2020 to 25th January 2021

Overview of the Course

The AWS helps students understand how cloud adoption transforms the way they work, and it provides structure to identify and address gaps in skills and processes. Applying the AWS CAF in your organization results in an actionable plan with defined work streams that can guide your organization's path to cloud adoption. This framework leverages our experiences and best practices in assisting organizations around the world with their cloud adoption journey.

Objectives of the Course

- Describe and provide an example of the core AWS services,
- including compute, network, database, and storage services.
- Identify an appropriate solution using AWS Cloud services for various use cases.
- Describe the AWS Well-Architected Framework.

The speaker also covered the following topics:

Getting started with amazon cloud, introduction to cloud computing, models of cloud computing, setting up aws accounts, evaluating service level agreements, various aws services, Amazon EC2, amazon machine images, ami creation, security groups, key pairs, assigning elastic

Renuka
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IP address,Elastic IP v/s public IP, bootstrap scripts,overview of amazon EBS, Identity access management,Introduction to IAM, Elastic load balancing& Auto scaling: Elastic beanstalk & Lambda

Outcome of the program

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

After successful completion of the course the certificates are issued to the participants


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VAC AMAZON WEB SERVICES



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ALAPATI SAI LEKHANA bearing Roll No. 17J41A0501 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AMBATI SONY bearing Roll No. 17J41A0502 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.

S. Agar
COORDINATOR

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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. **AMBEER KEERTHANA** bearing Roll No. 17J41A0503 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.


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This is to certify that **Mr./Ms. BANNA SAIKIRAN** bearing Roll No. 17J41A0504 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.


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This is to certify that Mr./Ms. BOYA VISHNUVARDHAN bearing Roll No. 17J41A0506

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This is to certify that Mr./Ms CHALAVADI SUMANTH bearing Roll No. 17J41A0507 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.

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This is to certify that Mr./Ms. CHAMALA SUNIL REDDY bearing Roll No. 17J41A0508 has successfully completed Certificate / Value Added Course / Workshop in IOT conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.


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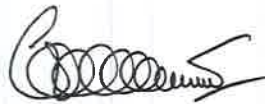
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This is to certify that Mr./Ms. CHEERLA SWAPNIL bearing Roll No. 17J41A0509

has successfully completed Certificate / Value Added Course / Workshop in AWS conducted
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This is to certify that Mr./Ms. **CHERYALA BHANU** bearing Roll No. **17J41A0510** has successfully completed Certificate / Value Added Course / Workshop in **AWS** conducted by the Department of Computer Science and Engineering from **19/12/2020 to 25/01/2021**.


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This is to certify that Mr./Ms. G LIKITHA SAI bearing Roll No. 16J41A0516 has successfully completed Certificate / Value Added Course / Workshop in AWS conducted by the Department of Computer Science and Engineering from 19/12/2020 to 25/01/2021.


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