SCHEDULE

Date Session	Topic	Resource Person
22-09-22 I	SDLC and Agile	MA
22-09-22 II	DevOps on AWS	MA
22-09-22 III	Launching Source and Destination Server, Installing Visual studio, IIS, Git	MA
22-09-22 IV	Gitlab account creation, Download source code and push source code to Gitlab repository	MA
23-09-22 I	Install Java, Jenkins, Access Jenkins URL Outside EC2 & Integrate Jmeter	MA
23-09-22 II	Integrate MSBuild	MA
23-09-22 III	SonarQube, S3 Bucket, Powershell script	RM
23-09-22 IV	Install Code Deploy Agent in source & Destination EC2 Instance	RM
24-09-22 I	Creating Code deploy Application, Group In AWS Console Account & Email Integration with Jenkins	RM
24-09-22 II	WebHook Integration	RM
24-09-22 III	Question & Answer session and exam for 30 min	RM
24-09-22 IV	Career opportunities for people with DevOps knowledge	RM

I session starts at 09:00 AM and ends at 10:30 AM, II session starts at 11:00 AM and ends at 01:00 PM, III session starts at 02:15 PM and ends at 03:15 PM and IV session starts at 03:30 PM and ends at 04:30 PM. **Venue:** Research Park Conference Hall.

WHO CAN ATTEND

The workshop is meant for students and faculty members whose area of interest is DevOps.

PROGRAM COMMITTEE

CHIEF PATRONS
Sri. Muppalaneni Srinivasa Rao, President,
Sri Doppalapudi Rama Mohan Rao, Vice-President-1,
Sri Gelli Dileep Kumar, Vice-President-2,
Sri. Manam Nageswara Rao, Secretary
Sri. Kommineni Hari Padma Prasad, Joint Secretary
Sri. Thalluri Ramakrishna Rao, Treasurer
Bapatla Education society

PATRON
Dr. SK. Nazeer , Principal

CONVENOR
Dr. N. Sivaram Prasad,HOD, Dept. of IT

CO-CONVENOR
Mr. SK. Mabasha, Asst. Prof., Dept. of IT
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PREREQUISITES

Before attending the workshop you are advised to fulfil the following requirements for hands on practice.

1. Go to AWS website https://portal. aws. amazon. com / billing / signup# / start / email

2. Create an AWS account. Procedure for creating AWS account is described in the following youtube video. https:// www. youtube. com / watch?v=P7hVdusJF7I

Bapatla Engineering College
(Autonomous)

Workshop

DevOps on AWS
(September 22, 2022 to September 24, 2022)

Organized by

Dept of Information Technology
in collaboration with
MALtech Solutions Pvt Ltd

HOW TO APPLY

Scan the following QR code for registration.

IMPORTANT DATES

- Last Date for registration is September 20, 2022.

REGISTRATION FEE

An amount of rupees 100 is to be paid towards registration.

CERTIFICATE

Certificate will be issued on satisfactory completion of the workshop.

ABOUT THE COLLEGE

The Bapatla Engineering College (Autonomous), one of the seven educational institutions sponsored by the Bapatla Education Society, was established in 1981 with a vision to impart quality technical education and is affiliated to Acharya Nagarjuna University. The college offers B.Tech. Programs in 11 branches of Engineering- Civil, Computer Science & Engg., Electronics and Communications, Electrical and Electronics, Mechanical Engineering which were thrice NBA accredited Electronics and Instrumentation which was accredited twice and Information Technology which was accredited once. The three new programs introduced are Computer Science (Cyber Security), Computer Science (Data Science) and Computer Science (AI & ML). The college also offers 5 Post Graduate programs in Communication Engineering & Signal Processing, Computer Science, Structural Engineering, Power Systems and CAD/CAM.

ABOUT THE DEPARTMENT

The Department of IT was started in the academic year 1999-2000. The department offers B.Tech in Information Technology with an annual intake of 120. The department is equipped with the state of the art computing facilities and experienced faculty members. The Average Pass Percentage of the students of the department has been around 80% and around 31% of the students on an average obtain distinction every year, which speaks of the academic fervour in the department. In the last academic year (2021-22) the department has highest number of placement offers(123) when compared with previous academic year placement offers. The faculty members of the department strives hard to impart quality education and to keep the students on the competitive edge of the present-day technology.

Vision of the department

Our vision is to empower our students with the skills and knowledge necessary to meet the challenges of the 21st century, driving sustainable socio-economic development through innovative solutions and responsible use of technology.

Mission of the department

1. Catering to the needs of students by providing good infrastructure and by imparting skills relevant to the IT industry.
2. To motivate students and faculty members towards self learning to acquire knowledge about emerging technologies in the IT industry.
3. Promote research that leads to innovative projects using cutting edge technology for the benefit of the Society.
4. To inculcate team spirit, leadership qualities and ethics among students and staff.

ABOUT THE PROGRAM

DevOps is revolutionizing software development and deployment in companies by eliminating the conflicts between development and operations teams – one of the main challenges that businesses faced for a long time.

Companies incorporating DevOps practices are simply getting more done at a faster pace. Implementing a successful DevOps approach helps organizations to provide software solutions rapidly. In turn, this helps prevent and resolve production issues, and that results in better customer experience, feedback, and communication.

DevOps engineers tend to command top-notch IT pay across many geographical locations. DevOps adaption rate in source code management is 21%. Top software development methodologies world wide are DevOps or DevSecOps. DevOps skill demand by recruiters is 38%.

RESOURCE PERSONS

1. **Moses Alfred (MA), Cloud DevOps Engineer, MALtech Solutions Pvt Ltd, Certified AWS Solutions Architect Associate**
2. **Ramya Munagala (RM), Cloud DevOps Administrator, MALtech Solutions Pvt Ltd**

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