

SCHEDULE

Date Session	Topic
25-06-22 I	Introduction to Version Control, Version Control Types, Git Basics & Git Commands Explanation and Execution
25-06-22 II	Basics of Continuous Integration and Continuous Deployment & Introduction to Jenkins
26-06-22 I	Jenkins Installation and Configuration
26-06-22 II	Build Pipeline Creation and Execution
27-06-22 I	Docker Images, Docker Containers, Operation on Containers and Kubernetes Architecture
27-06-22 II	Creating Yaml files, Pod creations, Replica sets deployments and Service (Google Cloud)

I session starts at 08:00 AM and ends at 10:00 AM,
II session starts at 10:30 AM and ends at 01:00 PM.
Venue: Microsoft Teams platform is used for conducting sessions.

WHO CAN ATTEND

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

PROGRAM COMMITTEE

CHIEF PATRON

Sri. B. Venkata Siva Rama Krishna, Acting President,
Bapatla Education society

PATRONS

Sri P. Paparao, Vice President,
Sri. M. Nageswara Rao, Secretary
Sri. P. Bhavannarayana Chowdary, Jt. Secretary & Correspondent
Sri. Ch. Venkaiah, Treasurer
Dr. V. Damodara Naidu, Principal
Dr. K. Vizay Kumar, Academic Advisor

CO-ORDINATOR

Mr. K. Bhaskara Rao, Asst. Prof.
Dept. of IT
For further details Contact
Dr. N. Sivaram Prasad, HOD,
Department of IT
Mobile No: 9885882200
E-mail : hodit@becbapatla.ac.in

Bapatla Engineering College



Workshop on

DevOps

(June 25, 2022 to June 27, 2022)

Organized by

Dept of Information Technology

IMPORTANT DATES

- Last Date for registration is June 24, 2022.

REGISTRATION FEE

It is offered free of cost.

CERTIFICATE

Certificate will be issued on satisfactory completion of the course.

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 is a little away from the din and bustle of Bapatla, a town with a historic and hoary past, about 75 Km. south of Vijayawada on Chennai-Vijayawada rail route. The college offers 9 B.Tech. Programmes, 5 M.Tech Programmes and 4 Diploma Programmes. The 7 branches of Engineering- Civil, Computer Science, 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 college has been granted autonomous since 2010. The college is also accredited by NAAC. The college has signed MOUs with several national and International organisations. In addition to the routine laboratory facilities, the college has Bosch Rexroth Center of Competence, Siemens Center of Excellence and Robotic Technology Center.

ABOUT THE DEPARTMENT

The Department of IT was started in the academic year 1999-2000 and accredited by NBA once in the

year 2007 for 3 years. 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. It is known for its academic excellence proved by its performances since its inception.

The Average Pass Percentage of the department has been 83.68% and 30.58% of the students obtain distinction every year, which speaks of the academic fervour in the department.

A good number of students from the department obtained admissions into M.S.(Computer Science) Program abroad. Many of the students were placed in reputed organizations like TCS, CapGemini, Infosys, CTS, IBM, iGate, Virtusa, MindTree, Accenture & Tech Mahindra etc.

Students are encouraged to participate in extra-curricular activities and competitions held by other universities and colleges within the state and out-side the state. The department strives hard to impart quality education and to keep the students on the competitive edge of the present-day technology.

ABOUT THE PROGRAM

DevOps is a game-changer in the world of software development and IT operations. It bridges the gap between development and operations teams, fostering a culture of collaboration and continuous improvement. Here are some key points highlighting its significance:

- **Faster Delivery:** DevOps practices enable faster and more frequent releases, reducing the time to market for new features and updates.
- **Improved Collaboration:** By breaking down silos between teams, DevOps promotes better communication and collaboration, leading to more efficient workflows.
- **Enhanced Quality:** Continuous integration and continuous delivery (CI/CD) pipelines ensure that code is tested and deployed automatically, reducing the risk of errors and improving the overall quality of the software.

- **Scalability:** DevOps practices support scalable infrastructure, making it easier to handle increased loads and ensure high availability.
- **Customer Satisfaction:** Faster delivery of high-quality software leads to improved customer satisfaction and loyalty.

DevOps is not just a set of tools or practices; it's a cultural shift that transforms how organizations develop, deliver, and maintain software. It's all about creating a more agile, responsive, and efficient IT environment.

RESOURCE PERSONS

1. **Adi Ganesh Vema, Team Leader, Philips PVT Ltd., Bangalore**
2. **Veerendra Patineedi, Senior Infra Developer, Kubernetes administrator, Cognizant, Bangalore**