



INDUSTRIAL LECTURE SERIES

DATE: 16-03-2026

Prepared by:

**DEPARTMENT OF
COMPUTER SCIENCE**



INDUSTRIAL LECTURE SERIES

Department of Computer Science
Government College(A) Rajahmundry

Organized by: Department of Computer Science

In Collaboration with: Tedlance IT Solutions

Topic: Modern DevOps and Cloud Security

Date: 16-03-2026

Venue: Techno Sphere Lab

Resource Person: Mohana Priya Nadipalli

No. of Participants: 68

Objectives:

1. To explain the basics of Modern DevOps and how it speeds up software delivery.
2. To show how Cloud Security protects data from modern cyber threats.
3. To introduce industry-standard tools like Docker, Kubernetes, and Terraform.

Outcomes:

1. Explain how Modern DevOps and automated CI/CD pipelines work to speed up software releases and improve overall code quality.
2. Identify modern cyber threats and apply security frameworks, such as encryption and access management, to keep data safe in the cloud.
3. Use Docker, Kubernetes, and Terraform to build, manage, and scale applications using industry-standard containerization and infrastructure-as-code.

Brief Report

The Department of Computer Science organized a comprehensive lecture series on “Modern DevOps and Cloud Security” with the objective of equipping students with in-depth knowledge of contemporary software development practices and secure cloud deployment strategies. The lecture series was designed to provide a blend of theoretical understanding and practical exposure, aligning academic learning with current industry standards.

The sessions began with an introduction to the DevOps paradigm, emphasizing its importance in modern software development. The resource persons elaborated on the DevOps lifecycle, including planning, development, building, testing, release, deployment, operation, and continuous monitoring. Special focus was given to Continuous Integration (CI) and Continuous Deployment (CD) practices, explaining how these methodologies help in automating the software delivery pipeline, reducing errors, and ensuring faster release cycles.

Further, the sessions covered widely used automation and version control tools such as Git, along with containerization technologies like Docker and orchestration platforms such as Kubernetes. The speakers demonstrated how containerization helps in creating consistent development and deployment environments, thereby minimizing compatibility issues. The concept of microservices architecture and its relationship with DevOps practices was also introduced to provide a broader understanding of scalable application development.

A significant portion of the lecture series was dedicated to Cloud Computing and Security. The resource persons explained different cloud service models such as IaaS, PaaS, and SaaS, and discussed the deployment models including public, private, and hybrid clouds. Students were introduced to leading cloud service providers and their role in modern IT infrastructure.

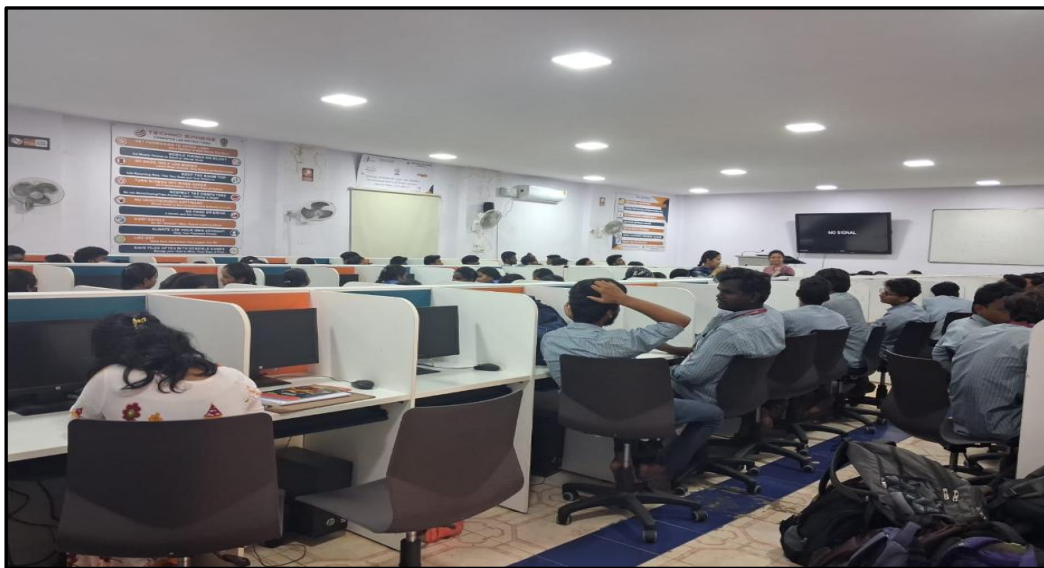
The sessions placed strong emphasis on Cloud Security practices, highlighting critical aspects such as data confidentiality, integrity, and availability. Topics such as Identity and Access Management (IAM), encryption techniques, secure APIs, risk management, compliance, and vulnerability assessment were discussed in detail. The concept of DevSecOps was introduced, stressing the importance of integrating security measures at every stage of the DevOps lifecycle rather than treating security as a separate phase.

The sessions were highly interactive, encouraging students to actively participate, ask questions, and engage in discussions. This interactive approach helped in clarifying concepts

and enhancing students' understanding. Overall, the lecture series provided a holistic view of modern DevOps practices and cloud security, making it a valuable learning experience for all participants.



Resource Person Explaining about Devops and Cloud security

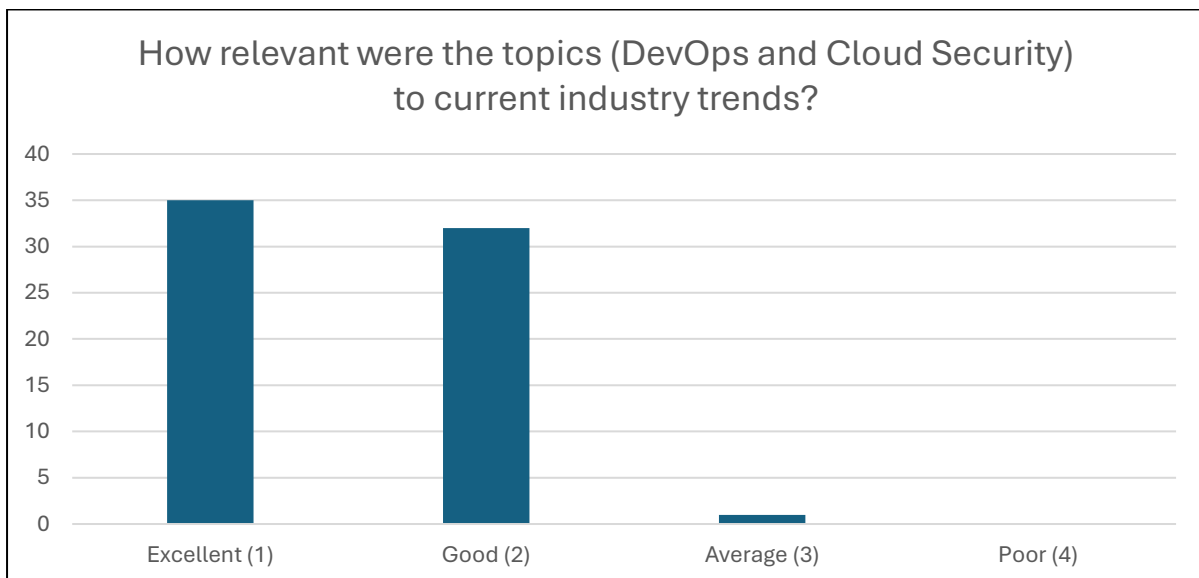
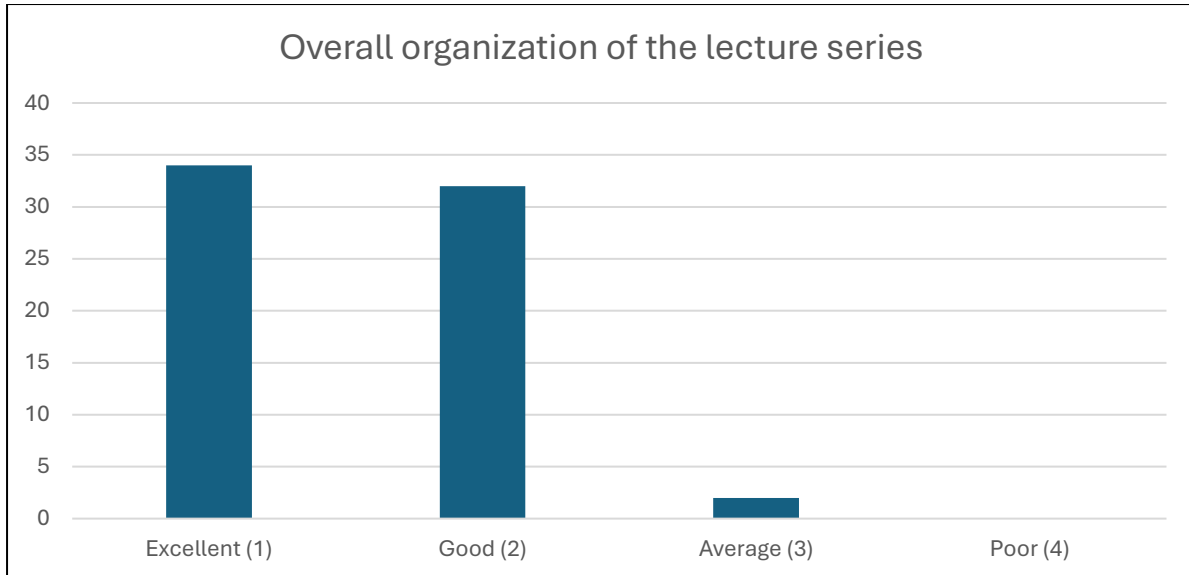


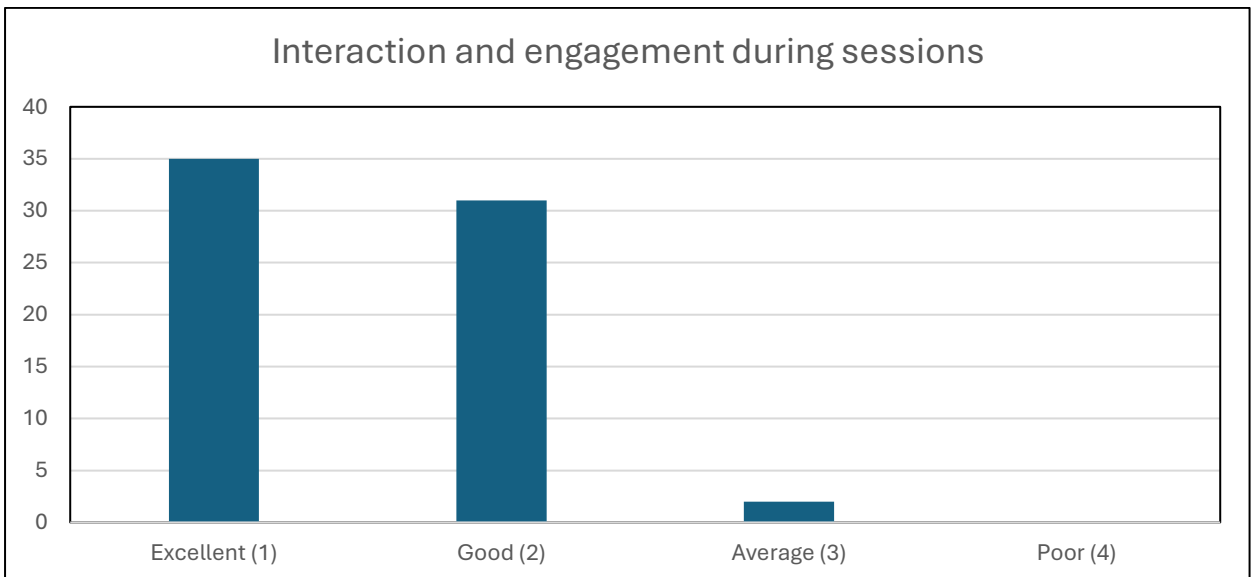
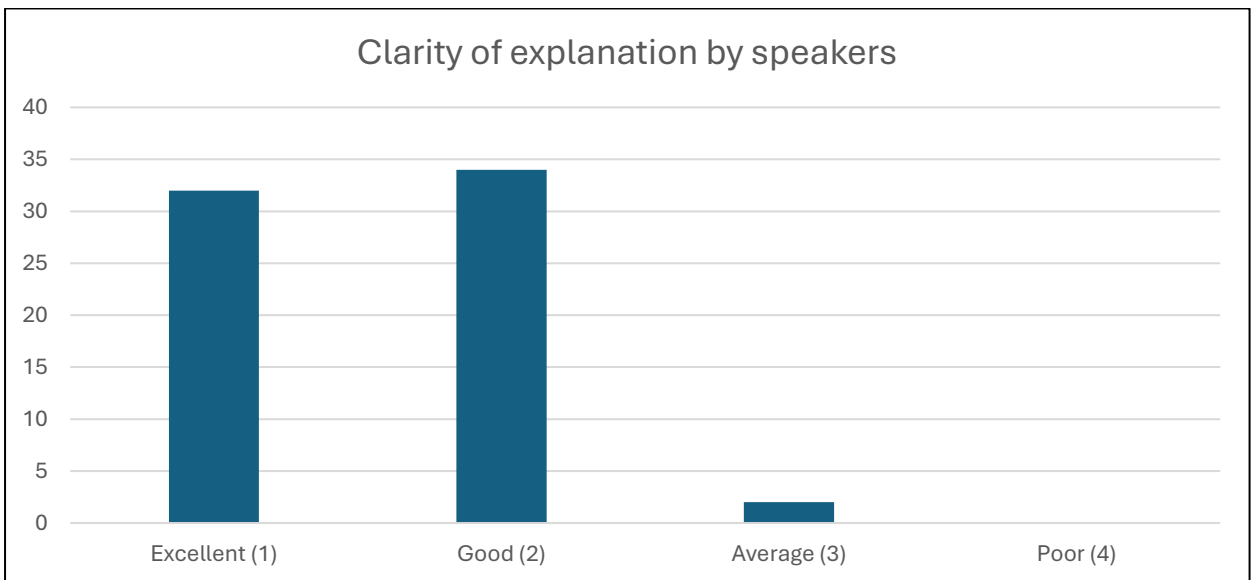
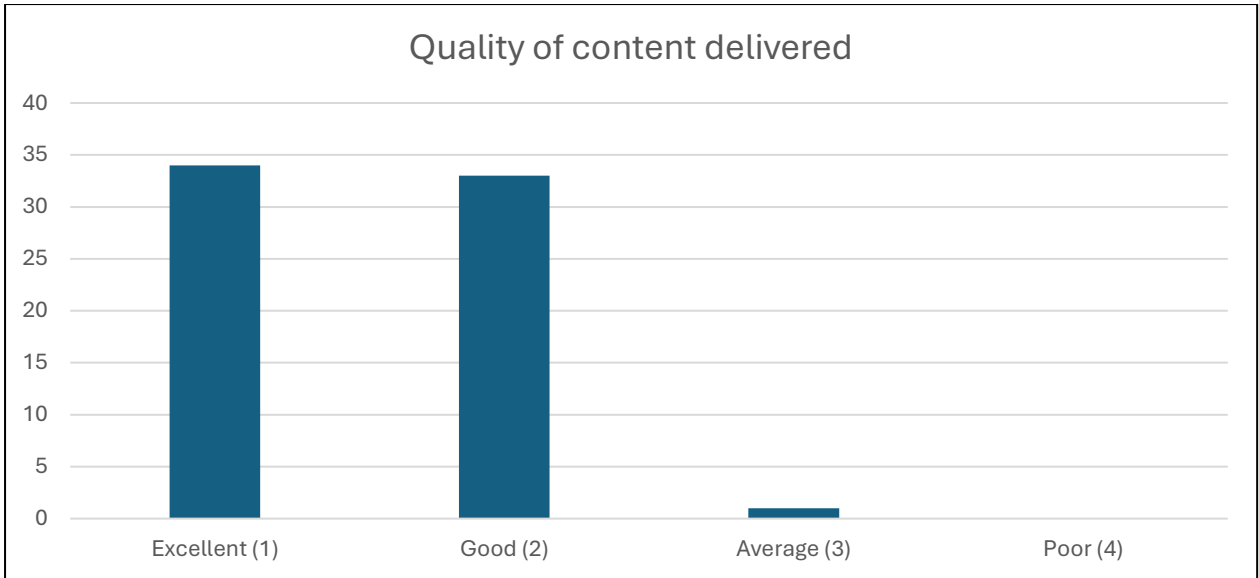
Students Interacting with Resource person

Feed Back

The feedback received from students and participants for the lecture series on “Modern DevOps and Cloud Security” was highly positive. Participants appreciated the relevance of the topics, especially the coverage of current industry tools and practices in DevOps and cloud security.

Students found the sessions to be informative, interactive, and well-structured. The explanations of concepts such as CI/CD, containerization, and cloud security mechanisms were clear and supported with practical examples, which helped in better understanding.





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DEPARTMENT OF COMPUTER SCIENCE



INDUSTRY EXPERT LECTURE SERIES

Invited talks by Industry Experts-
Preparing Students for
Internships/ Jobs

Date: 16-03-2026

ORGANIZED

BY

Department of Computer Science

FOR FINAL YEAR STUDENTS



PARTICIPANTS

**Industrial Lecture Series
Modern DevOps and Cloud Security
Department of Computer Science**

Student attendance

Date: 16-03-2026

Sno	Student name	Group	Signature
1.	K. Veeraborga	B.S.C	K. Veeraborga
2.	S. Durga Prasad	B.S.C	S.D. Prasad
3.	P.T.S.P.R. Subrahmanjam	B.S.C	P.T.S.P.R. Subrahmanjam
4.	S. Satish	B.S.C	S. Satish
5.	A. Prasad	B.S.C	A. Prasad
6.	V. Shama Prasad	B.S.C	V. Shama Prasad
7.	K. Ashok Kumar	B.S.C	K. Ashok Kumar
8.	G. Sathya	B.S.C	G. Sathya
9.	B. Asha Latha	B.S.C	B. Asha Latha
10.	M. Lakshmi Priya	B.S.C	M. Lakshmi Priya
11.	K. Nanya Sri	B.S.C	K. Nanya Sri
12.	T. Govindamma	B.S.C	T. Govindamma
13.	K. Yogesh Valiya	B.Sc	K. Yogesh Valiya
14.	V. Raju	BSC	V. Raju
15.	K. Mohan Kumar	B.Sc	K. Mohan Kumar
16.	P.D.S. Lakshmi narsa	B.Sc	P.D.S. Lakshmi narsa
17.	R.S.D.S. CHANDU	B.Sc	R.S.D.S. Chandu
18.	M. Dinesh Babu	B.Sc	M. Dinesh Babu
19.	K. Swamy	B.Sc	K. Swamy
20.	K. Madhavi	B.Sc	K. Madhavi
21.	D. Neelambari	B.Sc	D. Neelambari
22.	P. Naveen Kumar	B.Sc	P. Naveen Kumar
23.	K.V.B. Rajendra	B.Sc	K.V.B. Rajendra
24.	S. Deva Devi	B.Sc	S. Deva Devi
25.	S.K. Reshma	B.Sc	S.K. Reshma

Industrial Lecture Series
Modern DevOps and Cloud Security
Department of Computer Science

Student attendance

Date: 16-03-2026

Sno	Student name	Group	Signature
1.	B. Lalitha	B-SC	B. Lalitha
2.	K.V. Vamsi Krishna	B-SC	K.V. Vamsi Krishna
3.	K. N. P. Sai. Meghana	B-SC	K.N.P.S. Megha
4.	J. Anil Kumar	B-SC	J. Anil Kumar
5.	P. M. D. Kiran	B-SC	P. M. D. Kiran
6.	T. Sandhya	B-SC	T. Sandhya
7.	M. Mahesh	B-SC	M. Mahesh
8.	P. Venkatesh Babu	B-SC	P. Venkatesh Babu
9.	V. Surya	B-SC	V. Surya
10.	K. Balaji	B-SC	K. Balaji
11.	Ch. Rama Madhavi	B-SC	Ch. Rama Madhavi
12.	P. Anuradha Kumari	B-SC	P. Anuradha
13.	J. Jashnani	B-SC	J. Jashnani
14.	G. Vijay	B-SC	G. Vijay
15.	Y. Vinay	B-SC	Y. Vinay
16.	Md. Sheevaz	B-SC	Md. Sheevaz
17.	Y. Vinay	B-SC	Y. Vinay
18.	J. Gopasama	B-SC	J. Gopasama
19.	V. Akhil	B-SC	V. Akhil
20.	G. Madhuri	B-SC	G. Madhuri
21.	S. Tejaswini	B-SC	S. Tejaswini
22.	Ch. Sailaja	B-SC	Ch. Sailaja
23.	S. Shwanya	B-SC	S. Shwanya
24.	P. Dharsini	B-SC	P. Dharsini
25.	P. Sai Chandu	B-SC	P. Sai Chandu

