

Add-On Lecture on Cloud computing using Docker

The department of **Computer Science and Engineering** conducted an **Add-On Lecture** titled **Cloud computing using Docker** on **23-08-2025** at **10:00 AM**, in **Dr M V Jayaraman Auditorium**.

The event featured a keynote session by **Manoj Deshmukh**, Deputy Manager - Telecom Security at Jio, introduced by Manogna Gowda and preceded by a welcome speech from Khanak Juttiyavar. The session sparked engaging discussions and knowledge sharing on cloud computing using Docker.

Objectives of the Event

- To introduce students to recent trends, innovations, or developments in cloud computing
- To bridge the gap between academic learning and industry practices
- To prepare students for professional challenges through expert interactions

Event Overview

The session delved into cloud computing fundamentals, followed by an in-depth exploration of Docker basics, covering images, containers, Dockerfiles, and registries. It also examined Docker's pivotal role in cloud architecture, illustrated through diagrams on AWS, Azure, and GCP. A hands-on use case demonstrated deploying a web app with Docker, encompassing building images, pushing to Docker Hub, and deploying on cloud platforms such as ECS, GKE, and Azure. Additionally, the session touched on Kubernetes for cloud orchestration, highlighting its benefits and challenges.

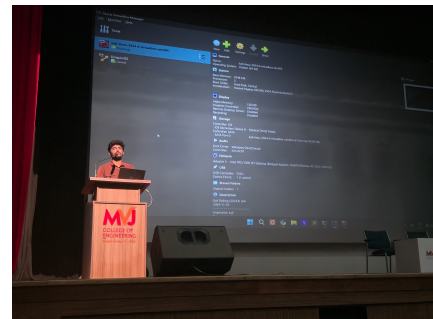
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Figure 1: Introducing Cloud using Docker



(a) Student participation



(b) Live demonstration of Docker

Figure 2: Interactive learning

Day	Time	Session Details
Saturday , August 23 2025	10 - 11 am	Lecture with live demonstration

Table 1: Schedule of the Event

Outcomes and Impact

- Participants gained an in-depth understanding of Docker.
- Exposure to current trends, tools, and technologies relevant to cloud computing.
- Understood how theoretical knowledge is applied in real-world scenarios.

Conclusions

The session provided a comprehensive overview of Docker and its applications in cloud computing, making it a valuable learning experience for students and faculty members.

Report by: Mrs. Bhuvaneshwar G , Ms.Anjana Manoj

Assistant professor in the Department of Computer Science and Engineering, MVJ College of Engineering

Name	Designation	USN/EmpID
Mrs. Bhuvaneshwari .G	Assistant professor	HREN2178
Ms.Anjana Manoj	Assistant professor	HREN2180
Gowri Krishnan	Student	1MJ23CS061
Manogna Gowda	Student	1MJ23CS0102
Khanak Juttiyavar	Student	1MJ23CS083
Vibha G S	Student	1MJ23CS119

Table 2: Event Coordinators