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A Report for Guest Lecture on “Future Of Cloud Computing”

Date of the Event	10.02.2024
Title of the Event	Guest Lecture 10.2.2024 Future Of Cloud Computing
Organized by	Dept. of Information Science and Engineering (Data Science), MVJCE, Bangalore

The Department of Information Science and Engineering organized a guest lecture on “Future Of Cloud Computing”, on 10th February 2024, at MV Jayaraman Auditorium. The event started at 10:30 am and concluded at 1:00 pm. 520 students from III semester and V semester of the Dept. of ISE and CSE attended this event.

Chief Guest Tejas Rana, Technical Manager at HCL Technologies.



Chief Guest: Mr. Tejas Rana

With all the trending technologies upcoming today, cloud computing stands out as one of the top and most renowned technologies in the IT industry. The economic growth of cloud computing has increased drastically in the recent years. Most of the companies are now migrating their business into this stream. It began in the year of 1950 from Shared computing and evolved till 2010 as cloud computing and now is a big giant in market. Cloud Computing is the delivery of IT resources on demand with pay as you go pricing. The vendor is termed as Cloud Service Provider who undertakes service provision and management of all the undifferentiated heavy lifting of IT. The recurring issue of maintenance and management of data centres, infrastructure and deployment faced by the on premises is now resolved by Cloud Computing.



Cloud Computing Session

The Cloud Service Provider (CSP) provides a wide range of facilities and flexibility in their services aiming to help clients focus on the development of their business rather than focusing on physical infrastructure, management, and maintenance. The services are mainly categorized into three services: Infrastructure As A Service (IAAS), Platform As A Service (PAAS), and Software As A Service (SAAS). Cloud Computing mainly works on the ideology of Virtualisation. It provides the users with Rapid elasticity and flexibility on demand supply of resources etc. Cost

efficiency, Scalability and environment friendly (reduction in E -waste)also add up to its major advantages.

Cloud computing also holds various future aspects like AI Integration, Gaming, edge Computing.

The working takes place in a linear order fashion starting from datacentres getting all the hardware resources racking and stacking them till managing and maintaining it to the client requests on demand. It involves few mechanisms like API, CDN , Load Balancers to manage the the incoming requests and outgoing responses and various monitoring tools. For the deployment cloud provides four types of models: public, private, hybrid, community. The CSP and client come to common agreement called Service License Agreement (SLA) where each is entitled with responsibilities of certain resouces and things.



Audience

Few example of companies implementing cloud technologies like Oracle Cloud .

Cloud open the following careers to jump in for working with it

- Cloud Architect: Design scalable and secure cloud environments.
- Cloud Developer: Build applications for cloud platforms.
- Cloud Security Specialist: Focus on securing cloud infrastructure and data.
- DevOps Engineer: Streamline development and operations in the cloud.
- Data Engineer/Cloud Data Scientist: Analyze large datasets using cloud tools.
- Cloud Administrator: Manage day-to-day operations of cloud platforms.
- Solution Architect: Develop comprehensive solutions with cloud services.

- Cloud Consultant: Advise on cloud adoption and migration strategies.
- Technical Support Specialist: Provide support for cloud users.
- Cloud Sales and Marketing: Promote and sell cloud services.

Faculty Coordinator of the Event:

Mrs. Kavitha(Asst Professor, Dept. of ISE)

Mrs. Sayani(Asst Professor, Dept. of ISE)

Student Coordinators:

1. Usha Singh G (1MJ21IS112)
2. Chandana C (1MJ21IS025)
3. Shruthi A Iyer (1MJ21IS102)
4. Vasudev Krishna (1MJ22IS124)
5. Rudransh Gupta(1MJ22CD045)

Outcome of the Event:

The guest lecture inspired many students to choose their career path in cloud computing . All the questionnaires students had were discussed and the event gave more enlightening information about how the IT works currently and how it evolved this far.