

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Computer Science

2023-2024

Name of Activity: Guest Lecture under MoU-

Recent Technology used in IT industries

Date and Time of activity conducted: 14th Feb 2024, 11:00A.M.

Target Group: No of student-62(B.Sc. I, II, III)

Name of organizer: Department of computer science

Name of the Resource Person: Mrs. Archana Nigde

CEO and Founder of Orange ITech,Pune

An expert lecture was organized by the Computer Science Department on **14th Feb 2024, 11:00A.M.** at seminar Hall for students B.Sc. I, II, III .The guest lecture aimed to shed light on the recent technological advancements in the IT industry, exploring how these innovations are shaping the future landscape of technology-driven businesses.

Key Points:

1. Artificial Intelligence (AI):

- The speaker emphasized the growing significance of AI in various IT sectors. From natural language processing to computer vision, AI is revolutionizing how businesses operate by enabling automation, predictive analytics, and personalized user experiences.

2. Machine Learning (ML):

- ML algorithms are becoming increasingly sophisticated, facilitating data-driven decision-making processes. Industries such as healthcare, finance, and retail are leveraging ML models for tasks ranging from fraud detection to personalized medicine.

3. Cloud Computing:

- Cloud technologies continue to evolve, providing scalable and cost-effective solutions for IT infrastructure needs. The lecture discussed the rise of server less computing, edge computing, and multi-cloud strategies, enabling businesses to optimize resource utilization and enhance agility.

4. Block chain:

- Block chain technology offers decentralized and secure solutions for various IT applications, including crypto currency transactions, supply chain management, and digital identity verification. The speaker highlighted the potential of block chain in fostering trust and transparency in business ecosystems.

5. Internet of Things (IoT):

- The proliferation of connected devices is generating vast amounts of data, driving the adoption of IoT solutions across industries. From smart cities to industrial automation, IoT technologies are enhancing operational efficiency, resource management, and customer engagement.

6. Cyber security:

- With the increasing prevalence of cyber threats, cyber security remains a top priority for IT organizations. The lecture discussed emerging trends in cyber security, such as zero-trust architecture, AI-driven threat detection, and decentralized identity management.

Overall, the lecture served as a thought-provoking exploration of the transformative potential of technology in driving organizational growth and innovation. Attendees left with a deeper understanding of the opportunities and challenges posed by these advancements and a renewed enthusiasm for embracing technological change in their respective fields.

Outcome

- AI-driven automation leads to increased operational efficiency and productivity.
- ML algorithms enable personalized recommendations and predictive analytics.
- Cloud solutions facilitate scalability, agility, and cost savings.
- Decentralized and secure transactions foster trust and transparency.
- IoT devices enable real-time data collection and analysis for informed decision-making.
- Strengthened defines mechanisms protect against cyber threats.

Glimpses:




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