

A. Y. Dadabhai Technical Institute, Kosamba

Report

ON

**Expert Lecture on
NODE JS**

15th March 2024

By Techomax Solutions, bharuch



Organized by

Computer Department



AT



A. Y. Dadabhai Technical Institute, Kosamba
Mahuvej Road, At & Po. Kosamba (R.S),
Dist: Surat

DATE: 15/03/2024

NODE JS

A.Y. Dadabhai Technical Institute, Kosamba aims to cater the society with skilled manpower and efficient team members. Institute believes in total improvement of each student. Since 2009 Computer Department of A.Y. Dadabhai Technical Institute has served many scholar students to the society. Today's Era is Computer and Internet Era.

Hence, we at Computer Department planned the Expert Lecture on MERN Stack Development for 6th Semester students on 15TH March 2023. We invited Mr. Himanshu Prajapati from Techomax Solution, Surat to deliver the Useful Information about the NODE JS.

The purpose of this Expert lecture was to provide knowledge about NODE JS. Mr. Himanshu Prajapati started the lecture with the concept of NODE JS. He made the students to understand about the basic of JavaScript, types of JS, history, various tools, application, real time examples, and future of the NODE JS.

Introduction:

On 15 March, 2024, the Computer Engineering Department of A Y Dadabhai Technical Institute organized an expert lecture on NODE JS for the 4th-semester students. The lecture aimed to provide students with insights into this widely used JavaScript runtime environment and its applications in modern web development.

Objective:

The primary objective of the expert lecture was to enhance students' understanding of NODE JS, its features, and its significance in web development. Additionally, the session aimed to expose students to real-world applications and industry practices related to NODE JS.

Session Overview:

The expert lecture commenced at [Insert Time] with an introduction to NODE JS by Mr. Himanshu Prajapati from Techomax Solutions. Mr. Prajapati, a seasoned professional with extensive experience in web development, began by providing an overview of NODE JS, its history, and its evolution in the world of programming.

Key Topics Covered:

Introduction to NODE JS: Mr. Prajapati elucidated the fundamental concepts of NODE JS, emphasizing its role as a server-side platform for building scalable network applications.

Features of NODE JS: The presenter delved into the distinctive features of NODE JS, including its non-blocking I/O model, event-driven architecture, and support for asynchronous programming.

Building Web Applications with NODE JS: Through practical examples and demonstrations, Mr. Prajapati showcased the process of building web applications using NODE JS. He elucidated the use of frameworks like Express.js and demonstrated the creation of RESTful APIs.

Handling Databases: The lecture also covered the integration of databases with NODE JS applications, highlighting popular databases such as MongoDB and MySQL. Mr. Prajapati elucidated the use of MongoDB with Mongoose ORM for seamless database operations.

Deployment and Best Practices: The session concluded with insights into deployment strategies for NODE JS applications and best practices to ensure scalability, security, and performance.

Interactive Session:

Throughout the lecture, Mr. Himanshu Prajapati encouraged active participation from the students. The session was interactive, with students posing questions and engaging in discussions on various aspects of NODE JS development.

Conclusion:

The expert lecture on NODE JS proved to be highly informative and enriching for the 4th-semester computer engineering students. It provided them with a comprehensive understanding of NODE JS and its practical applications in web development. The insights shared by Mr. Himanshu Prajapati from Techomax Solutions were invaluable, offering students a glimpse into industry practices and emerging trends in web development.

Acknowledgment:

We extend our heartfelt gratitude to Mr. Himanshu Prajapati for sparing his valuable time and sharing his expertise with our students. We also thank Techomax Solutions for their collaboration in organizing this insightful session.



