

Report

Title: MERN Skill development Workshop.

Duration: 27 February to 01 March 2025

Venue: VPKBIET Computer Centre 105 and PGDERP

Organized by: ASCENT SOFTCORPORATION PVT LTD

Participants: SY A and B student of Computer Engineering Students

Department: Computer Engineering

Objective of the Training: The primary objective of this workshop was to elucidate the significance of the MongoDB, Express, React JS, and Node JS (MERN) in Computer Engineering, enabling students to seize every chance for professional advancement.

Outcome of the Training:

- Enhance knowledge in the Field of web development using MERN.
- Demonstrate practical hands-on experience using MERN.
- Apply the MERN knowledge for real time application of Industry.
- Exchange of Idea between student and Industry expert.

Program Education Mapping with “MERN Skill development” workshop

Sr. No	Program Education Outcome(PEO)	Status
1	Students will be able to apply the fundamentals, domain knowledge and modern technology of computer engineering to provide effective and innovative solutions to engineering problems.	Strongly Map
2	Students will be able to solve societal challenging and multidisciplinary problems applying suitable resources.	Strongly Map
3	Students will be able to work as competent professional as an individual and a team member.	Strongly Map

Benefit of MERN Workshop

A **MERN (MongoDB, Express.js, React, Node.js)** workshop offers numerous benefits for students, especially for those interested in web development. Here are some key benefits:

1. Comprehensive Full-Stack Knowledge

- Students learned both **frontend** (React) and **backend** (Node.js with Express) development in a single workshop. Understanding full-stack development helps students become more versatile developers.

2. Hands-On Experience

- In this MERN workshops practical coding sessions conducted for student which motivate students to build real-world applications.

3. Industry-Relevant Skills

- MERN is widely used in modern web development, especially for building scalable, high-performance applications. Having experience with these technologies makes students highly employable, as companies are often looking for developers skilled in the MERN stack.

4. Deep Understanding of JavaScript

- MERN is JavaScript-based, and working with it helps students strengthen their JavaScript skills, which are in high demand across the tech industry. Student learned both **client-side** (React) and **server-side** (Node.js) JavaScript development.

5. Community and Networking

- Through this workshops, student gets opportunity to communicate with industry professionals, and instructors, which help in fostering networking and collaboration.

7. Improved Problem-Solving Skills

- Building full-stack applications using MERN encourages students to develop problem-solving skills, as they must integrate various parts of the stack together and troubleshoot issues as they arise.

8. Increased Career Opportunities

- Mastering the MERN stack opens doors to various career paths such as full-stack development, frontend development, backend development, and more.

9. Familiarity with Modern Tools and Practices

- Students become familiar with important developer tools like Git for version control, npm for package management, and testing frameworks, all of which are essential in real-world development environments.

10. Understanding of Database Management

- MongoDB, the database part of the MERN stack, is a NoSQL database. Learning it provides students with knowledge of modern database management systems that are used in many applications today.

By the end of the workshop, students are equipped with the knowledge to build dynamic, efficient, and scalable applications, which is invaluable for their personal growth and professional careers.

Glimpse of Workshop:

1

3 Days "MERN Skill development" Workshop for S.Y. A and B, Computer Engineering Students Training Schedule

Pradip Paithane <pradip.paithane@vpkbiel.org>
to students.comp.sy, Seema, Swapnali, HOD, head.comp.skilled, Dean, Principal

Feb 26, 2025, 10:52 AM (8 days ago)

Dear Student,

Ascent Softech is a leading organization in the field of Government Skill India training & Engineering Software Training and consultancy. *VPKBIET & Ascent Softech have signed an MoU for providing free training programs under Government Skill India for VPKBIET students.*

The objective of this Skill Certification scheme is to enable Indian youth to take up industry relevant skill training that will help them in securing a better job.

VPKBIET & Ascent Softech are jointly offering certified skill development courses for all the students in the offline mode in the VPKBIET Premises.

The detailed schedule of the courses

The Course will start 27 February To 01 March 2025,
Time: 10.00 am to 4.00 pm
Venue - Computer Center (105)
Course Name - MERN Technology

Herewith I am attaching the workshop details. PFA
 * Attendance is mandatory.

Pradip M. Paithane
 Assistant Professor

2



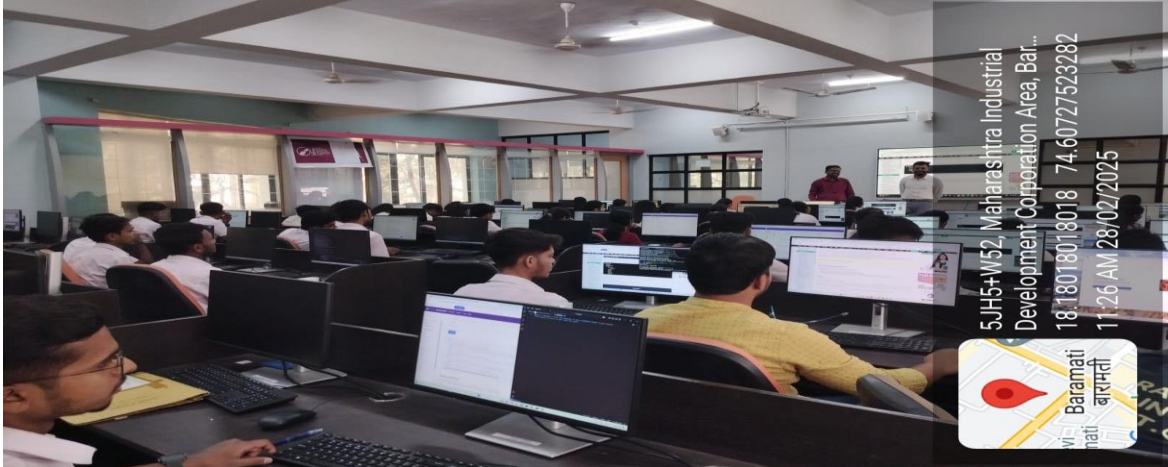
3



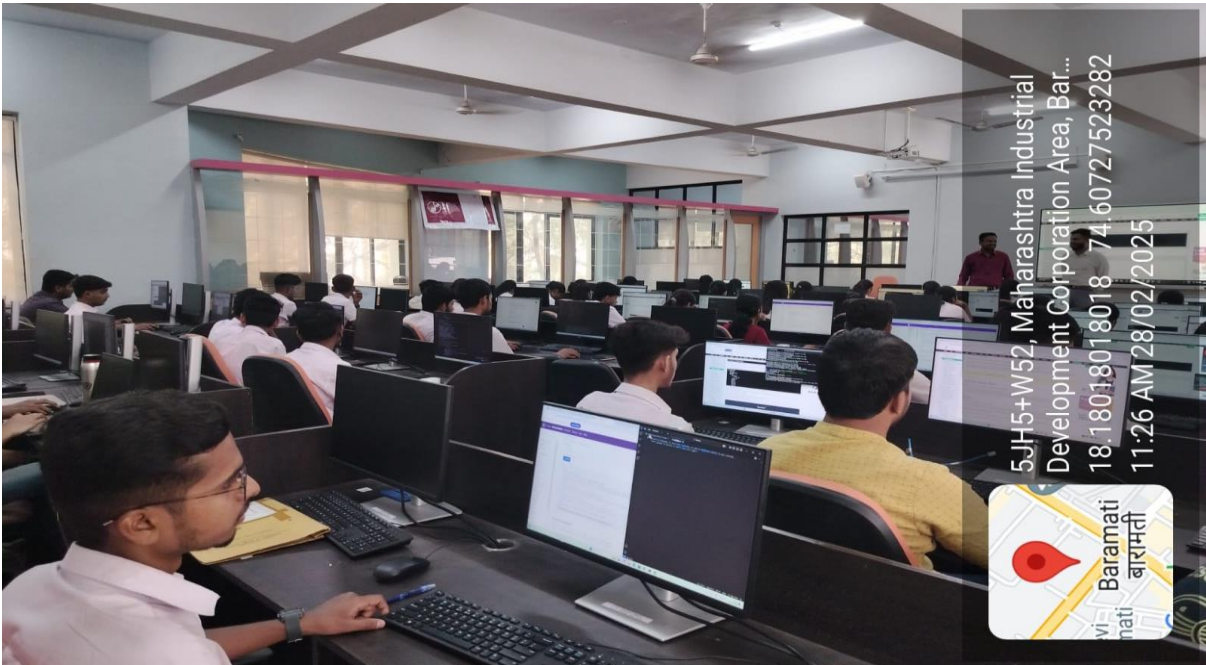
4



5



6



Prepared By

Dr.Pradip M. Paithane

Head Skill Development

Dr.G.J.Chhajed

HOD Computer Engineering