



EVENT: THE BACKEND LAB

ORGANISED BY:

AIML Student Association, A.P. Shah Institute of Technology, Thane

DATE & Time:

8th September 2026

From 9:00 AM to 12:00 PM

VENUE: Room no. 405

OBJECTIVES:

The objective of THE BACKEND LAB was to provide students with practical exposure to Backend Development and help them understand how applications work beyond the user interface. The session focused on Node.js, APIs, Authentication, Authorization, REST APIs, and Frontend–Backend Communication.

INTRODUCTION

The AIML Student Association successfully organized THE BACKEND LAB on 8th September 2026, led by Instructor Ashish Vishwakarma with the support of the AIML SA Technical Team.

The session followed a hands-on approach where participants learned backend concepts while building a working LinkedIn-based project, gaining practical experience in developing and connecting different components of an application.

EVENT FLOW

The session began with Instructor Ashish Vishwakarma introducing the basic concepts and explaining the day's activities. Participants then started the hands-on implementation, which included:

- Overview of the LinkedIn project and Secure Student API.
- Installation of required packages and creation of server.js.
- Creation of store.js and student.js.
- Understanding password hashing and secure password formats.
- Introduction to Docker.
- Creation and working of auth.js.



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- Understanding Authentication, Authorization, API calls, and tokens.
 - Building the frontend and connecting it with the backend.
 - Demonstration of Frontend–Backend communication.
 - Completion and showcasing of the fully functional project.

Throughout the session, Instructor Ashish Vishwakarma and the Technical Team helped participants resolve their doubts and implementation issues.

KEY HIGHLIGHTS

- Hands-on Backend Development using Node.js.
- Practical implementation of APIs and REST APIs.
- Understanding Authentication, Authorization, tokens, and password hashing.
- Introduction to Docker.
- Understanding Frontend–Backend connectivity.
- Development of a working LinkedIn-based project.
- Interactive doubt-solving and technical guidance.
- Successful completion and demonstration of the project.
- Letter of Appreciation presented to Instructor Ashish Vishwakarma by Prof. Darshana Ma'am

TAKEAWAYS:

Participants gained practical knowledge of the backend development workflow, including server setup, API creation, authentication, authorization, and frontend–backend communication. The hands-on approach helped students understand how these components work together in a real application.

CONCLUSION

THE BACKEND LAB concluded successfully with participants completing and showcasing their functional project. The practical guidance provided by Instructor Ashish Vishwakarma made the session informative and engaging.

The event concluded with a closing address by Secretary Kshitij, followed by the presentation of a Letter of Appreciation to Instructor Ashish Vishwakarma by Prof. Darshana Bhandare.



Overall, the event provided students with valuable hands-on exposure to backend development and encouraged them to explore modern web technologies further.

EVENT RESOURCE

Project Documentation:

<https://aimlsa-backend-doc.vercel.app/>

GLIMPES FROM THE EVENT:

