

# St. Thomas College of Engineering & Technology

Kozhuvallur, Chengannur



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FIFTH SEMESTER

(2021-2025 Batch B.Tech.)

## CSL333 -DATABASE MANAGEMENT SYSTEMS LAB

### Database Application Development

The following individuals are the authors of this  
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CERTIFICATE

This is to certify that, this is the bonafide report of Database Application Development experiment of CSL333 -Database Management Systems Lab done by Alwin Anto, Jishnu M Kurup, Jyothish M, Kenz M Saju of Fifth Semester 2021-2025 Batch B.Tech. in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering under APJ Abdul Kalam Technological University, Kerala.

Faculty In-Charge

Head of the Department

## INSTITUTION VISION

St. Thomas College of Engineering and Technology, Chengannur intends to be an institution of repute recognized for excellence in education, innovation and social contribution.

## INSTITUTION MISSION

### M1: Infrastructural Relevance

Develop, maintain and manage our campus for our stakeholders.

### M2: Life Long Learning

Encourage our stakeholders to participate in lifelong learning through industry and academic interactions.

### M3: Social Connect

Organize socially relevant outreach programs for the benefit of humanity.

## DEPARTMENT VISION

To create industry ready and socially skill computer science engineers

## DEPARTMENT MISSION

M1. Provide a learning platform that encourages thinking and analytical ability in the area of computer software and hardware

M2. Inculcate lifelong and professional skill through the interaction of academicians and industrialist.

M3. Engage with society through social programs in and out of campus.

## PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

The Graduates in Computer Science and Engineering will be able to:

### PEO1: Professional Practices

Apply engineering practices required for software development, hardware development and embedded system.

### PEO2: Intrapreneurial Skills

Exhibit innovation, self-confidence and team work skills in the organization and society.

### PEO3: Lifelong Learning

Upgrade knowledge in data science and software engineering required for executing the software and hardware projects.

## PROGRAM SPECIFIC OUTCOMES(PSOs)

### PSO1: Professional Skills

Ability to understand the architecture and working of computer hardware and software.

### PSO2: Design and Development Skills

Ability to design and develop software for technology application to fulfill industrial and social needs.

## ABSTRACT

In today's digital retail landscape, The E-Commerce Web Application for Shoes serves as a pertinent solution to the evolving shopping habits of consumers who increasingly prefer online platforms for their shoe purchases. Key Features of the web application boasts a user-friendly interface with functionalities such as product categorization, advanced search, secure payment processing, real-time order tracking, product reviews, and a seller dashboard, offering a comprehensive and interactive online shopping experience. Stack in the web application is Built with a tech stack encompassing HTML, CSS, JavaScript, React.js for the front-end, Node.js, Express.js for the back-end, and MongoDB for the database, ensuring a seamless, responsive, and data-driven platform. Database Tables Used in web application are employs tables for Users, Products, Orders, Reviews, and Sellers to efficiently manage user accounts, product details, order records, customer feedback, and seller information. Web application provides a secure and immersive marketplace tailored for shoe enthusiasts, underpinned by modern technologies and best practices, catering to the dynamic demands of the e-commerce industry and delivering a comprehensive and personalized shopping experience for all users.

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