

## **ABSTRACT**

### **Learning and Development (L&D) Management Application**

In today's fast-evolving corporate landscape, organizations require efficient training and development frameworks to upskill employees and enhance productivity. The **Learning and Development (L&D) Management Application** is a comprehensive web-based solution designed to streamline the end-to-end management of corporate training programs.

The platform facilitates seamless interaction among key stakeholders: **account managers** can request training programs, **L&D administrators** can design, assign, and track courses, and **employees** can access training materials, monitor their progress, and provide structured feedback. The system employs **role-based access control**, ensuring that users interact with relevant functionalities based on their roles.

Developed using **Spring Boot** for backend services, **React.js** for a dynamic frontend experience, and **JWT authentication** for security, the application is built on a **microservices architecture**, promoting scalability and modular development. The project is implemented over a structured **seven-week development cycle**, incorporating essential learning phases on backend frameworks, security, and frontend technologies before transitioning into full-scale development.

By automating training requests, enabling real-time progress tracking, and leveraging feedback-driven improvements, this application empowers organizations to optimize their learning and development initiatives, ultimately fostering a more skilled and agile workforce.