

Hive an Integrated Platform for Enhancing College Life

Aromal S S¹, Riyad A²

Student, MCA, CHMM College for Advanced Studies, Trivandrum, India¹

Associate Professor, MCA, CHMM College for Advanced Studies, Trivandrum, India²

Abstract: *Comprehensive Web Platform – Hive integrates academic and extracurricular management into a single web application, enhancing the college experience. Key Features – Includes a learning platform (study materials, lecture videos), event management system (workshops, seminars, tech fests, internships, job fairs), and a reward system for academic performance. Social Interaction & Engagement – Built-in chat system for sharing event details, along with feedback and complaint management for an improved user experience. Hive promotes holistic student development by bridging the gap between academics and campus life through an intuitive, user-friendly interface. Its modular architecture allows for easy customization and future expansion to meet evolving institutional needs. Advanced analytics and reporting tools within Hive empower administrators to make data-driven decisions for continuous improvement. The platform also ensures data security and privacy compliance, making it a reliable solution for educational institutions. Three Core Modules – Admin Module (manages events and users), Student Module (access to resources, participation, and rewards), and Public Module (event exploration). Technology Stack – Developed using React.js, Node.js, Express.js, and MongoDB, ensuring a scalable, accessible, and seamless web experience.*

Keywords: React.js, Node.js, Express.js, and MongoDB

