

EDUGENIUS - AI-Powered Smart Learning Management System

Mrs. V. Sivasakthi M. E¹, S. Balakandan², S. Dhinesh³

Assistant Professor, Department of Information Technology¹

Students, Department of Information Technology^{2,3}

Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tamilnadu, India

vsivasakthi.aamec@gmail.com, balakandan50@gmail.com, dhineshs520@gmail.com

Abstract: *The project presents a modern, A-Integrated Learning Management System (LMS) designed to streamline educational administration and increase student results through intelligent insights. The system has OTP-based certification and profile photo upload functionality, which ensures safe and role-based access to teachers and students. Administrators can register users, assign themes, and monitor the overall system activity, while teachers can predict students' future attendance and are provided with controlled access to their prescribed subjects, they are only able to manage marks and attendance. Students can independently track their educational progress, obtain personal performance reactions, and reach AI-operated devices for career guidance and dropout risk analysis. AI modules use educational data such as marks and appearance to predict potential risks and recommend the appropriate career path aligned with a student's strength. By offering data-supported insights, the system helps teachers make informed decisions about intervention strategies and support services. In addition, the platform promotes transparency by empowering students to monitor their learning journey in real time. Manufactured with modern techniques such as spring boot and angular, LMS ensures a responsive user experience with secure, scalable backend support. Overall, the proposed system aims to promote institutional efficiency, promote data-powered educational practices, and to provide each student to give more personal and prepared learning experiences.*

Keywords: Learning Management System

