

DECLARATION CERTIFICATE

This is to certify that the work presented in the thesis entitled **“STUDENT MANAGEMENT SYSTEM AND TEST SYSTEM”** in partial fulfillment of the requirement for the award of degree of **Bachelor of Computer Application** of Institute of Engineering and Management is an authentic work carried out under my supervision and guidance.

To the best of my knowledge the content of this thesis does not form a basis for the award of any previous Degree to anyone else.

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CERTIFICATE OF APPROVAL

The foregoing thesis entitled **“STUDENT MANAGEMENT SYSTEM AND TEST SYSTEM ”** is hereby approved as a creditable study of research topic and has been presented in satisfactory manner to warrant its acceptance as prerequisite to the degree for which it has been submitted.

It is understood that by this approval, the undersigned do not necessarily endorse any conclusion drawn or opinion expressed therein, but approve the thesis for the purpose for which it is submitted.

(Internal Examiner)

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Abstract

Student Management System and Test System is a web portal which is developed or implemented in Node.js for server side scripting and MySQL as the database. The client side is developed in HTML, CSS and Embedded JS. This project is helpful for students to practice/give different examinations and get important information like notices, study materials, academic calendar, time table etc. In present days, most of the exams are conducted online. This project will help students to get practiced to online examination method by taking tests from this web portal. The Teachers can add multiple tests under different branches so that students can easily know about test details and give their tests accordingly. The Admin keeps track of the students and teachers and has complete control over the portal. The admin can even add new users as teachers or students, update the details of already registered teachers and students.

We have tried to use one of the latest JavaScript frameworks i.e. Node.js specifically Express.js instead of PHP or any other server side scripting technologies because Node.js is much faster and allows for concurrent request handling. This project can be used in various colleges and school for managing students with ease with complete track of each and every student and teacher and technology used is also popular in today's industry.