**Project report on:**

**Student Management System using Full Stack**

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**Under the guidance of Prajina V.K.**

**Department of Computer Science**



In partial fulfillment of the

requirements for the award

of the degree of

**BACHELOR OF COMPUTER APPLICATIONS BANGALORE
NORTH UNIVERSITY TAMAKA, KOLAR, BANGALORE -560049**



HINDUSTAN BUSINESS SCHOOL

PO Box No. 3776, Ashwathanagar, Marathahalli, Bangalore - 560037

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# CERTIFICATE

This is to certify that the project work entitled **"Student Management System Platform using Full Stack"** is a bonafide record of work done by **ANKIT KUMAR MISHRA, MONU D, DELICIA BIJU** submitted in partial fulfillment of the requirement for the award of the degree BACHELOR OF COMPUTER APPLICATIONS of Bangalore North University, Tamaka, Kolar, Bangalore under my supervision.

Date:

Place:

Signature of the Guide

Counter Signed by

**Department Coordinator**          **H.O.D**          **PRINCIPAL**

External Viva-voice Conducted on ------------------------------------------------------

**INTERNAL EXAMINER**                    **EXTERNAL EXAMINER**

# DECLARATION

We, **ANKIT KUMAR MISHRA, MONU D, DELICIA BIJU** do hereby declare that this project entitled **"Student Management System Platform using Full Stack"** submitted to the Bangalore North University, Tamaka, Kolar, Bangalore in partial fulfillment of the requirement for the award of the degree **BACHELOR OF COMPUTER APPLICATIONS,** is a record of original work done by me during the period of study at HINDUSTAN BUSINESS SCHOOL under the guidance of PRAJINA V K, MSc (CS), B.Ed., Department of Computer Science.

Date:

Place:

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**ANKIT KUMAR MISHRA**

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**MONU D.**

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**DELICIA BIJU**

# CONTENT

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# ABSTRACT

A Student Management System (SMS) is a comprehensive software application designed to streamline the administrative and academic operations of educational institutions. It automates essential tasks such as student enrollment, attendance tracking, and scheduling, thereby reducing manual workload and minimizing errors. The system enhances communication between students, teachers, and parents through centralized platforms for announcements, feedback, and updates. Additionally, it provides secure storage and easy access to student records, facilitating efficient data management and reporting. By enabling personalized learning experiences and optimizing resource allocation, an SMS improves overall institutional efficiency and student performance. The system also supports parental involvement by providing real-time insights into their child's academic progress and school activities. Overall, an SMS is a vital tool that promotes a more organized, efficient, and effective educational environment, driving better outcomes for both students and educators.

To address this problem, this project aims to provide a one-stop solution for education Management System. The platform, called Student Management System, is built using the MERN (MongoDB, Express, React, Node.js) stack, which allows for seamless integration of various tools and features on a single platform. Student Management System (SMS) provides features such as online attendance and classes time management access. The platform has been designed to be user-friendly, efficient, and provides a seamless experience for students.