

A Project Report on

Design and Development of Student's Activity Management System

submitted in partial fulfilment of the requirement of
the degree of

Bachelor of Engineering

by

Shivam Sharma	62
Anuj Dhumal	13
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Under the supervision of
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Don Bosco Institute of Technology, Mumbai-400 070
University of Mumbai
2023-24



Don Bosco Institute of Technology
(Affiliated to the University of Mumbai)
Premier Automobiles Road, Kurla, Mumbai - 400070

Certificate

This is to certify that the project entitled **“Design and Development of Student’s Activity Management System”** is a bonafide work of
submitted to the University of Mumbai in the partial fulfillment of the requirement for the

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award of the degree of **“Undergraduate”** in **“Bachelor of Engineering”**.

(Ms. Namita Agarwal)
Guide

(Name of Co-guide)
Co-guide

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HOD, EXTC

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Principal



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Project Report Approval for B.E.

This project report entitled “**Design and Development of Student’s Activity Management System**” by **Shivam Sharma, Anuj Dhumal, Vivek Kamble, Aatif Shaikh** is approved for the degree of **Bachelor of Engineering in Electronics & Telecommunication Engineering**.

Internal Examiner

External Examiner

Date:

Place: Mumbai

Declaration

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, We have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea / data / fact / source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources that have thus not been properly cited or from whom proper permission has not been taken when needed.

Shivam Sharma

Anuj Dhumal

Vivek Kamble

Aatif Shaikh

Date:

Place: Mumbai

Acknowledgement

A project is a teamwork that involves the contribution of many people. We would like to thank everyone who has contributed by taking an interest in our work and motivating us all the way through.

Our sincere thanks to **Name of guide**, project guide, for ...

We would like to thank **Ms. Namita Agarwal**, Head of Department for

We thank **Dr. Satishkumar Chavan**, Project Coordinator for ...

We would also like to thank **Dr. Sudhakar Mande**, Principal and Management of Don Bosco Institute of Technology for allowing us to use the college campus and infrastructure throughout our project.

Submitted with regards,

Name of student 1

Name of student 2

Name of student 3

Name of student 4

Date :

Place : Mumbai, Maharashtra, India.

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List of Abbreviations

HCC	Hepatocellular Carcinoma
CT	Computer Tomography
CNN	Convolution Neural Network
DNN	Deep Neural Network

Abstract

”Design and Development of Student Activity Management System” is an online web based system useful for the faculties, students throughout the department. It stores and manage the Academic and Non-Academic data of student. Its a user-friendly system which allow easy access to overall performance of student. Also there is facility of sending the attendance and the marks to the parents via message. It also contain features like notice board.

Chapter 1

Introduction

Chapter 1 contents

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1.1 Motivation

Should include the motivation of the project.

Sample figure template



Figure 1.1: Sample Image for Demonstration

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1.2 Scope of the Project

List or describe Applications

The scope goes here...

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1.3 Problem Statement

Unavailability of a student information system makes the tracking of student progress difficult. There is a need to design and develop a system for easy access of students records and progress monitoring.

1.4 Objectives

- To develop a user-friendly interface that allows administrators to easily access and manage the data.
- To Provide a system to send the grades and attendance to parents.
- Store and update student profiles, academic performance, extra curricular and co-curricular information.
- Provide notice facility for the department.

1.5 Outcomes

- The system will facilitate the smooth transfer of student data between different courses and programs within the department.
- Teachers will have a user-friendly interface to access students information.
- The platform could promote better communication within the department by providing facility of notice.
- The system will generate and send marks and attendance to each student's parents via message.

Chapter 2

Literature Survey

DEPARTMENT ACTIVITY MANAGEMENT SYSTEM (2020)

Authors: Ms.Swati S. Shintre, Ms. Shubhangi B. Bagul, Ms. Ashwini B. Kanawade , Ms. Shital B. Tajanpure, Mr.Kishor N. Shedge

Department activity management system desktop application is the one kind of desktop application which integrates all the modules and functionalities of department system on a single system that can be handled by the administrative and access by the students and faculties with valid user id and password. The main goal of the entire system is to provide a user understandable interface and powerful data system which make this system more useful.

The Department Activity Management System consist four major categories of user such as students, teachers, operators, and administrator. Student user can add various student details for further analysis, view notes and assignments, check academic performances, view attendance details. Teacher user can upload notes and assignments, enters attendance records for respective subjects, enter marks of different levels of tests, view or analyses students performances. Operator is responsible for event, notices, and data entry managements. Administrator controls the system at all levels. Only admin can enter all administrative details in the system. The Department Activity Management System specially focuses on notifying academic and attendance performance of the students to their parents. Parents are able to receive messages about their child's on their registered mobile numbers as well as emails.

This system has an extra user called operator which may give burden to system or complicate the system also the rights given to "operator" is not effective it can be given to other users like "admin" or "faculty". Apart from it we have applied same features like Notice board, sending attendance and performance of student via sms.

AN INNOVATIVE INFORMATION SYSTEM FOR COLLEGE MANAGEMENT (2018)

Authors: Chaitra B. S

This is an information system application called Electronic-College Management and Information System (ECMIS) which is useful for staff, faculty, and principal to deal with all information about student details, academic related reports, college details, course details, batch details and other related details. This is user friendly and easy to use system.

This is a web oriented application which allows staff, faculty, and principal to deal with whole information about student details, academic related reports, college details, course details, batch details and other related details. College Staff are able to directly access all aspects of a student's academic progress through a secure, online interface embedded in the college website. This system includes functionalities like managing fee details, Managing study material, Managing leaves, Managing Admission. This system also includes principle module which have rights to approve leave, viewing details of student as well as faculties.

This system includes five user modules Faculty Module, Staff Module, Student Module, Principal Module as we are developing websites covering only department we don't have principle module, and also the staff module.

2.1 Comparative Analysis of various existing systems/methodologies

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Sample citation

Huang et al. [2] discuss Math operations used in image processing. Another citation sample is [1].

Chapter 3

Methodology

Methodology, Block Diagram, Design, Circuit diagrams with explanations, Architectures, etc.

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3.1 Analysis / Framework / Algorithm

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3.2 Details of Hardware and/or Software

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3.3 Design Details

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3.4 Proposed System/Methodology/Framework/Algorithm

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Chapter 4

Implementation or Simulations

About implementation details ...

Chapter 5

Results

Results of work till semester VII
Sample Table for results

Table 5.1: Sample Table

Country List			
Country Name or Area Name	ISO ALPHA 2 Code	ISO ALPHA 3 Code	ISO numeric Code
Afghanistan	AF	AFG	004
Aland Islands	AX	ALA	248
Albania	AL	ALB	008
Algeria	DZ	DZA	012
American Samoa	AS	ASM	016
Andorra	AD	AND	020
Angola	AO	AGO	024

5.1 Timelines

1. Provide Gantt Chart

5.2 Plan for Semester VIII

2. Provide Plan of project work for next semester

Chapter 6

Conclusion

Provide a conclusion based on the work till the VII semester.

Bibliography

- [1] M. Barstugan, R. Ceylan, M. Sivri, and H. Erdogan, “Automatic liver segmentation in abdomen ct images using slic and adaboost algorithms,” in *Proceedings of the 2018 8th International Conference on Bioscience, Biochemistry and Bioinformatics*, 2018, pp. 129–133.
- [2] W. Huang, N. Li, Z. Lin, G.-B. Huang, W. Zong, J. Zhou, and Y. Duan, “Liver tumor detection and segmentation using kernel-based extreme learning machine,” *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, vol. 9, no. 2, pp. 3662–3665, 2013.