



K. J. SOMAIYA INSTITUTE OF ENGINEERING AND INFORMATION TECHNOLOGY

**Somaiya Ayurvihar Complex, Near Everard Nagar,
Eastern Express Highway, Sion (E), Mumbai-400022.**

DEPARTMENT OF COMPUTER ENGINEERING

PROJECT LOG BOOK

Course code: 1UCEPR53

Academic Year 2021-2022

Roll No.	Name of the Student
49	HIRAL SHAH
50	JAI SHAH
65	SARVESH SONI

Name of the Project: Newsletter Generator

Name of Guide: Prof. Nisha Vanjari

Vision of the Institute

To be universally accepted as a synonym of quality, excellence and commitment in the field of engineering education by nurturing talent and transforming young minds to realise their potential and become future ready engineers.
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Mission of the Institute

To provide students with a thorough knowledge of engineering to refine their professional skills.
To nurture creativity and innovation while encouraging multidisciplinary interaction.
To train students to be industry ready and capable of working effectively as an individual and in a team.
To inculcate ethical behaviour, responsibility and commitment among students.

Vision of Computer Engineering Department

To be an excellent centre of learning, by imparting quality education and creating competent computer engineers to serve the society at large.
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Mission of Computer Engineering Department

M1:	To provide quality education required to shape skilled computer engineers.
M2:	To promote scientific temper and research culture through interdisciplinary and industrial collaboration.
M3:	To prepare industry ready professionals, possessing ethical values and social commitment.

Program Educational Objectives (PEOs)

Within 3 to 4 years of graduation, the graduates will be,

PEO I:	Capable of analysing and solving problems for diverse applications.
PEO II:	Competent enough to engage themselves in skill development through lifelong learning to adapt to the dynamic work environment.
PEO III:	Able to exhibit high level of professionalism and work collaboratively at their work place.

Program Outcomes (PO)

The graduates of this program will be able to:

PO_01 Engineering knowledge (EK):	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO_02 Problem analysis (PA):	Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO_03 Design/development of solutions (DS):	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO_04 Conduct investigations of complex problems (IP):	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO_05 Modern tool usage (MT):	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO_06 The engineer and society (ES):	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO_07 Environment and sustainability (Env):	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO_08 Ethics (Eth):	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO_09 Individual and team work (ITw):	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO_10 Communication (Cm):	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO_11 Project management and finance (PM):	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO_12 Life-long learning (LL):	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO)

The graduates of this program will be able to:

PSO_1:	Apply software engineering practices in software project development.
PSO_2:	Use the knowledge of algorithm, data structure, database, networking etc. to develop solution in various domains.
PSO_3:	Analyse the working and design of computer system with relevant system software.

Course Educational Objectives (CEOs):

CEO No.	Objectives
CEO1	To acquaint with the process of identifying the needs and converting it into the problem.
CEO2	To familiarize the process of solving the problem in a group.
CEO3	To acquaint with the process of applying basic engineering fundamentals to attempt solutions to the problems.
CEO4	To inculcate the process of self-learning and research.

Course Outcomes (COs): Student will be able to

Index	Outcomes
CO1	1. Identify problems based on societal /research needs.
CO2	2 Apply Knowledge and skill to solve societal problems in a group.
CO3	3 Develop interpersonal skills to work as member of a group or leader.
CO4	4 Draw the proper inferences from available results through theoretical/ experimental/simulations.
CO5	5 Analyze the impact of solutions in societal and environmental context for sustainable development.
CO6	6 Use standard norms of engineering practices
CO7	7 Excel in written and oral communication.
CO8	8 Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.
CO9	9 Demonstrate project management principles during project work.

Course Outcomes	Program Outcomes														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2		1								2		
CO2										2	1	1			
CO3				1											
CO4						1	1	3						1	1

Project Guidelines:

PROJECT – I

1. Project Topic:

To proceed with the project work it is very important to select a right topic. Project can be undertaken on any subject addressing IT programme. Research and development projects on problems of practical and theoretical interest should be encouraged.

- Project work must be carried out by the group of at least two students and maximum three and must be original.
- Students can certainly take ideas from anywhere, but be sure that they should evolve them in the unique way to suit their project requirements.
- The project work can be undertaken in a research institute or organization/company/any business establishment.
- Student must consult internal guide along with external guide (if any) in selection of topic.
- Head of department and senior staff in the department will take decision regarding selection of projects.
- Student has to submit weekly progress report to the internal guide and whereas internal guide has to keep track on the progress of the project and also has to maintain attendance report. This progress report can be used for awarding term work marks.
- In case of industry projects, visit by internal guide will be preferred.

2. Project Report Format:

At the end of semester a project report should preferably contain at least following details:-

- Abstract
- Introduction
- Literature Survey
 - o Survey Existing system
 - o Limitation Existing system or research gap
 - o Problem Statement and Objective
 - o Scope

- Proposed System o Analysis/Framework/ Algorithm
 - o Details of Hardware & Software o Design details
 - o Methodology (your approach to solve the problem)
- Implementation Plan for next semester
- Conclusion
- References

3. Term Work:

Distribution of marks for term work shall be as follows:

- a. Weekly Attendance on Project Day
- b. Project work contribute
- c. Project Report (Spiral Bound)
- d. Term End Presentation (Internal) The final certification and acceptance of TW ensures the satisfactory performance on the above aspects.

Distribution of marks for term work shall be as follows:

4. Oral & Practical:

Oral & Practical examination of Project-I should be conducted by Internal and External examiners approved by University of Mumbai. Students have to give presentation and demonstration on the Project.

**K J Somaiya Institute of Engineering and Information Technology, Sion(E),
Mumbai-400022**

**Department of Computer Engineering
Project-I Assessment Index Sheet
Academic Year 2021-22**

Roll No: 49

Name of Student: Hiral Shah

Week No.	Date	Task Completion (5)	Level of preparation (5)	Working within a team (5)	Punctuality & regularity (5)	Total (20)	Signature of guide
1	13/07/2021						
2	20/07/2021						
3	27/07/2021						
4	03/08/2021						
5	10/08/2021						
6	31/08/2021						
7	7/09/2021						
8	14/09/2021						
9	21/09/2021						
10	28/09/2021						
11	05/10/2021						
12	26/10/2021						

**K J Somaiya Institute of Engineering and Information Technology, Sion(E),
Mumbai-400022**

**Department of Computer Engineering
Project-I Assessment Index Sheet
Academic Year 2021-22**

Roll No: 50

Name of Student: Jai Shah

Week No.	Date	Task Completion (5)	Level of preparation (5)	Working within a team (5)	Punctuality & regularity (5)	Total (20)	Signature of guide
1	13/07/2021						
2	20/07/2021						
3	27/07/2021						
4	03/08/2021						
5	10/08/2021						
6	31/08/2021						
7	7/09/2021						
8	14/09/2021						
9	21/09/2021						
10	28/09/2021						
11	05/10/2021						
12	26/10/2021						

**K J Somaiya Institute of Engineering and Information Technology, Sion(E),
Mumbai-400022**

**Department of Computer Engineering
Project-I Assessment Index Sheet
Academic Year 2020-21**

Roll No: 65

Name of Student: Sarvesh Soni

Week No.	Date	Task Completion (5)	Level of preparation (5)	Working within a team (5)	Punctuality & regularity (5)	Total (20)	Signature of guide
1	13/07/2021						
2	20/07/2021						
3	27/07/2021						
4	03/08/2021						
5	10/08/2021						
6	31/08/2021						
7	7/09/2021						
8	14/09/2021						
9	21/09/2021						
10	28/09/2021						
11	05/10/2021						
12	26/10/2021						

Attendance Record Project

Date	Name – Hiral Shah Sign -	Name – Jai Shah Sign -	Name – Sarvesh Soni Sign -
13/07/2021	P	P	P
20/07/2021	P	P	P
27/07/2021	P	P	P
03/08/2021	P	P	P
10/08/2021	P	P	P
31/08/2021	P	P	P
7/09/2021	P	P	P
14/09/2021	P	P	P
21/09/2021	P	P	P
28/09/2021	P	P	P
05/10/2021	P	P	P
26/10/2021	P	P	P

Name & Signature of Project Guide: Prof. Nisha Vanjari

K J Somaiya Institute of Engineering and Information Technology, Sion(E), Mumbai-400022

**Department of Computer Engineering
Academic Year 2021-22**

Project work Contribution Rubrics

Assessment Outcome	Acceptable (1)	Average (2)	Good (4)	Excellent (5)
Task Completion	Hardly complete the task and submit to guide.	Rarely complete the task and submit to guide when asked	Mostly Complete the task and submit on project day	Complete the assigned task before time and communicate to guide
Level of preparation	Not adequately prepared. Does not have knowledge about project.	Appears to have read the data but not closely or did not know all details.	Understand and thought about project details.	Have detail study about problem statement and its implementation
Working within a team	Rarely present and no collaboration in group.	Makes little or no attempt to collaborate in a group.	Exchanges some views but requires guidance to collaborate with others.	Collaborates and communicates in a group and integrates the views of others.
Punctuality & regularity	Mostly absent on project day.	Irregular on project day. Unconvincing Excuses for irregularity	Mostly present on project day and discuss with the guide.	Always be present on project day. Perform project task and discuss with the guide

Project Presentation Rubrics

Assessment Outcome	Not up to the Mark (D)	Can do Better (C)	Good (B)	Excellent (A)
	0.5 points	1 points	1.5 points	5 points
Organization	Audience cannot understand presentation because there is no sequence of information.	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow.	Student presents information in logical, interesting sequence which audience can follow.
Subject Knowledge	Student does not have grasp of subject. There is lack of organization and preparation. Unable to answer questions.	The information presented covers main points but with limited facts. A few questions are answered.	The information presented is a statement that is communicated clearly and accurately. Able to explain queries but fails to elaborate.	The information presented is clear and accurate. It is supported with appropriate details and student wields all questions confidently.
Effectiveness of delivery	The speaker appears uncomfortable. Student uses superfluous graphics or no Graphics. Only reads from PPT. No eye Contact, Mumbles.	The speaker appears comfortably only during parts of presentation. Student occasionally uses graphics that rarely supports text presentation. Read most of the report. Occasional eye contact. Not very audible or clear.	The speaker appears comfortable throughout the presentation. Uses graphics that related to text. Student maintains eye contact but frequently returns to report. Relatively clear and audible.	Student maintains eye contact with audience, seldom returning to notes. Student's graphics explain and reinforce screen text and presentation.
Time Management	The speaker noticeably exceeds or falls short of allotted time frame.	The time frame is approximately met.	The speaker uses time allotted, but rushed or delayed.	The speaker comfortably uses the time allotted, without evidence of compensation.

Project Implementation Rubrics

Assessment Outcome	Not up to the Mark (D)	Can do better (C)	Good (B)	Excellent (A)
	2 POINTS	3 POINTS	4 POINTS	5 POINTS
Problem Definition	The design problem is not formulated clearly.	The problem formulation is unclear in some respects and does not appear to be well thought out.	The problem formulation is clear, but the scope is not well defined.	Design problem formulation is clear and well thought out. The problem scope is well defined.
Concepts	Prerequisite course content is not applied correctly. New areas are not included.	Prerequisite course content is used but new and unfamiliar areas are not introduced.	Prerequisite course content is used easily and some material beyond the course is included.	Concepts beyond those prerequisite courses are frequently used. The professor may have learnt something new.
Innovation	No Innovative work initiated by student.	Innovative work initiated by student of minimal importance.	Innovative work initiated by student of minimal impact.	Evidence of some promising innovative work initiated by student.
Team Work	Absolutely no coordination between the team members and lack of communication.	Poor coordination between the team members.	Team members work coherently on the project but lack of proper communication.	Excellent Coordination and team work displayed.
Project Management and Finance	The proposal's budget is unrealistic or lacks sufficient detail. Always fails to meet deadline.	The proposal's budget is weakly developed. Very rarely are on time to show the results.	The proposal's budget is less but seems realistic. The final expenditure is within 10% of proposal. Always keep preparing till the last moment of the deadline.	The proposal includes a detailed and realistic budget. The final expenditure is well within the budget. Always ready with complete assigned work ahead of deadline.

Project Report Rubrics

Assessment Outcome	Can do better (C)	Good (B)	Excellent (A)
	3 Points	4 Points	5 Points
Organization and Writing Style	The Organization is unclear. The writing style is readable, but difficult to follow.	The Organization is generally good, but some parts seem out of place. The writing style indicates planning the makes reading easy.	The writing style indicates planning the makes reading easy. Written work is well organized and easy to understand.
Engineering Theory and analysis	Analysis consists of trivial calculations and is poorly explained.	Most of the work presented is relevant to the work performed.	Analysis is presented sufficient detail to be understood at pee level.
Use of appendices and bibliography	There is some misplacement of information in the text vs. the appendix. Appendices are poorly documented and referenced in text.	Information is properly placed in either the main text or an appendix. Documentation and referencing in text are somewhat incomplete.	Information is properly placed in either the main text or an appendix. Clear reference in proper format.
Spelling and Grammar	There is more than one spelling or grammatical error per page.	There are few spelling and grammatical errors.	The work has been thoroughly spell-check and proofread.
Visual, example; Graphs/diagrams	Most visuals aids are sloppy and hard to read.	Visuals aids are good but a few are sloppy or difficult to read.	Visuals aids are used frequently. They are easy to read and understand and are of professional quality.

1. PROJECT DETAILS

1. Title of project: Newsletter Generator

In-house:- ☒

Industry:- ☐

2. Project Guide:

Internal Guide: Prof. Nisha Vanjari

External Guide: _____ (Only for Industry Project)




Name & Professional Address:

Designation: _____

Phone / Mobile No.: _____

3. Category of Project – (✓) Industry Project)/ Societal Projects/ Research based Projects/
Agricultural Projects/ Medical Projects/others

4. Project Group Details:

Sr. No.	Students Name	Roll No	Signature
2	Hiral Shah	49	
3	Jai Shah	50	
4	Sarvesh Soni	65	

2. ABSTRACT

In this project we are developing a website for Newsletter Generator. Here the faculties can upload can upload information, statistics, images of the respective fields. We have created an admin panel where the admin can delete, insert, and update the information that is to be put in the newsletter.

This system makes it very convenient for faculties to upload all the information that is to be put in the departmental newsletter.

3. TIME PLAN

Tick the appropriate Column

Sr. No	Assignment	July	Aug	Sept	Oct
1.	Selection of the Topic				
2.	Literature Survey				
3.	Procurement of Software/ Hardware				
4.	Implementation-I				
5.	Report				
6.	Final Report (Proof of Reading and Binding)				

4 . WEEKLY REPORT

Week 1:

Title: Discussion of Mini project.

In the first week of the project, we had the initial meetings with our project guide and
were explained about the working and overall importance of the mini project in our
semester and our branch. We were asked to shortlist topics for the project and asses
each one of them based on complexity and time required to do them.

Guide Signature with Date:

Remark:

Week 2:

Title: Discussion of our ideas with our guide.

We came up with a few project ideas in the next meeting and discussed them with our
project guide. Our initial ideas included, Stocks management GUI, timetable
generator, handwriting analysis, etc. Our Prof. Nisha Vanjari, instructed us to go
Forward with the Newsletter Generator.

Guide Signature with Date:

Remark:

Week 3:

Title: Project Title was decided and approved.

Now that our project idea was decided, we started on the research work on how to
build it. We decided the medium of use, devices required, software required and
searched for relevant courses and study material that we would need for creating the
project.

Guide Signature with Date:

Remark:

Week 4:

Title: Implementation of project was started.

Since most of our group members had previously worked on some kind of project, we
decided to begin by creating a UI wireframe for our website. We used
Adobe XD to make the wireframes and created a presentation to present the initial
ideas and wireframes and UI to our project guide.

Guide Signature with Date

Remark:

Week 5:

Title: UI implementation and approved.

Our UI was built and accepted by our project guide. We had started learning Python
and Django which were the two most important pieces for creating our project. It
took about two weeks to learn Django and start working on the initial part of our
project.

Guide Signature with Date:

Remark:

Week 6:

Title: Website implementation was started.

We divided our work between ourselves next. Hiral had to create the frontend of the
website. Jai was tasked with researching and developing the backend for the project.
Sarvesh started working with the Python script required to generate the newsletter
Document.

Guide Signature with Date:

Remark:

Week 7:

Title: Front-end development

Website front-end is under progress. Research for connectivity using Django and Python underway.

Guide Signature with Date:

Remark:

Week 8:

Title: Django Implementation

Front-end for the sign in and registration page is ready. Django implementation for
Registration has started. Python scripts module ready.

Guide Signature with Date:

Remark:

Week 9:

Title: Admin/Faculty Panel Front-end and Django implementation successful

Admin and Faculty Panel front-end is ready. Django was implemented to login and
Registration page. Postgres implementation storing submitted data started.

Guide Signature with Date:

Remark:

Week 10:

Title: Data Submission/retrieval

Submitted data can be seen on Admin Panel. Fixed content for the newsletter is added
By default now. Python script is ready.

Guide Signature with Date:

Remark:

Week 11:

Title: Connecting Python script for downloading

Python script is connected to the project which downloads the newsletter in PDF and
Word format. Working on minor bugs and glitches.

Guide Signature with Date:

Remark:

Week 12:

Title: Project was approved, all test cases passed.

We finally presented the complete project to our project guide and explained all the
details of the website. Fixed all minor bugs.

Guide Signature with Date:

Remark:

5. RECORD OF PAPERS PUBLISHED

Sr. No.	Name of Conference/Periodical/Place, Date and Duration/Organized By / Title of Paper	Achievement (if any)

6. CHECKLIST

1. Project Report book - I

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2. Required Utility

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3. Software

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4. Submission of Log Book

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Name & Signature of Project Guide: Prof. Nisha Vanjari

Date: