Department of Information Technology

MINI-PROJECT LOGBOOK

GROUP MEMBERS

1. Monik Kaole

2. Faustina Lazarus

3. Bennet Menezes

4. Dhruv Dave

Guide

Ms. Vandana Patil

Department of Information Technology

University of Mumbai

(Academic Year 2021-22)

INSTITUTE VISION & MISSION

VISION:

To be a chrysalis where bright youngsters are transformed into technological entrepreneurs and innovative leaders of tomorrow's world, consistent with the Franciscan vision of integrity, peace and love.

MISSION:

To churn highly competent engineering graduates with a commitment to result oriented work, a perennial zest for learning, a quest for excellence, an open mind and the universal values of honesty, dignity and mutual care.

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(ENGINEERING COLLEGE)
(Roman Catholic Christian Minority Educational Institute)
(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai)

P. B. No. 8456, Mt. Poinsur, S.V.P. Road, Borivli (West), Mumbai - 400 103.
Tel.: 28908585 / 28928585 Fax : 28954787 E-mail : sfedu@sfit.ac.in Website : www.sfit.ac.in

Department of Information Technology

DEPARTMENT VISION & MISSION

VISION:

To create a conducive instrument for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneur with integrity and ethical value.

MISSION:

- To become unit of excellence in teaching, training, research, innovative application and extension work in IT in co-operation with various other departments.

- To make knowledge and expertise accessible with various dissemination strategies, including networking with research unit, colleges, government and industry along with the motivation for self-learning.

- To integrate teaching, research and practice along with higher education for generation and application of knowledge in line with emerging needs of industry, technical quality with market driven professional pursuits, programs, courses, collaboration.

- To develop entrepreneur skills along with ethical and professional values among the students.

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Department of Information Technology
PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

- To provide students with a sound foundation in mathematical, scientific and engineering fundamentals to design, analyze and solve complex engineering problems, to develop quest for higher studies and to inspire them to foster innovative research.
- To provide an environment and to make knowledge & expertise accessible for students to work in multi-disciplinary projects, to solve the real life problems with the help of modern tools and techniques and to lead towards a successful professional career.
- To develop effective soft skills, inculcate team building capabilities such as leadership skills, managerial skills, and entrepreneurial skills and simultaneously nurture professional and ethical attitude in broad social context for sustainable development through lifelong learning.

PROGRAM OUTCOMES (POs)

PO's	OUTCOMES
PO1	An ability to apply knowledge of mathematics, science and engineering fundamentals in the field of computing.
PO2	Critically identify, formulate and evaluate emerging topics and the recent development in the field and Provide solution to futuristic engineering problems.
PO3	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
PO4	Ability in requirement gathering, design and implementation of software with computer systems to analyze and interpret the data.
PO5	An ability to use the techniques, logical and analytical skills and modern engineering tools necessary for engineering practice.
PO6	An ability to design a system component or process to meet desired needs within realistic constraints such as economic, environmental, social, cultural and safety issues.
PO7	An ability to understand an impact of engineering knowledge towards society and environment with need to sustainable solutions.
PO8	To inculcate professional ethics.
PO9	An ability to function effectively, individually and in teams to accomplish a common goal.
PO10	An ability to communicate solutions of complex computing problems effectively using reports and presentations to wide range of audiences.

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PO11	To instill leadership and managerial skills in multidisciplinary environment.
PO12	Recognition of the need for and an ability to engage in life-long learning.

Department of Information Technology

PROGRAM SPECIFIC OUTCOMES (PSOs)

- Students will be able to acquire the basic knowledge of analysis and design, based on the comprehensive principles of Software Engineering, Project Management, Software Testing and Quality Assurance.
- Students will be able to apply research based approach using innovative tools and techniques in the field of Communication & Networks, Computer graphics & Image Processing and Information Security & Data Management.
- Students will be able to use the knowledge of Information Technology to develop end to end solutions in the field of SCAM (Social, Cloud, Analytics and Mobile).
- Students will be able to fuel entrepreneurship or to serve niche employment while portraying competencies like teamwork, efficient soft skills and a zeal for lifelong learning in order to contribute to society with moral and ethical values.

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STUDENT INFORMATION

Project Title: Castaway Corner Using MLCastaway Corner Using ML

	Student 1	Student 2	Student 3	Student 4
Student ID	191054	191060	191067	191029
Name	Monik Kaole	Faustina Lazarus	Bennet Menezes	Dhruv Dave
Class with Division	TE-IT-B	TE-IT-B	TE-IT-B	TE-IT-B
Contact No.	98710 64285	77158 16658	79772 34153	9619396150
E-mail	monikexam@student.sfit.ac.in	flowraregi17@student.sfit.ac.in	bannyboy77@student.sfit.ac.in	dhruvdave2001@student.sfit.ac.in
Address	B-34 / 604, Shivali Society	A-102, Happy Home Apartment, Bldg No.1	A-1002, Vikas Towers	B-304, new park avenue
	Gokul Village	Shanti Park	Amboli Level crossing	MG road
	Mira Road (East)	Mira Road (East)	Andheri (East)	Kandivali(west)
	Thane-401107	Thane-401107	Mumbai - 400069	Mumbai - 400067

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Department of Information Technology

INSTRUCTIONS TO STUDENTS:

1. The logbook must be submitted to the Guide or Co-Guide for verification and evaluation of project activities at least once in a week.

2. Log book duly signed by guide must be submitted with project report for evaluation at the end of semester to the department.

DECLARATION

I declare that this project represents my ideas in my own words without plagiarism and wherever others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my project work. I promise to maintain minimum 75% attendance, as per the University of Mumbai norms. I understand that any violation of the above will be cause for disciplinary action by the Institute.

Yours Faithfully

1._____

2._____

3._____

4._____

(Date & Signature of Students)

Department of Information Technology

Letter of Acceptance

I undersigned, **Ms. Vandana Patil** working in the Information Technology Department, willing to guide the project titled **Castaway Corner Using ML**
 for the Mini-Project-2 (A & B) Semester V /VI respectively for the Academic Year 2021-22.

The names of the students are:

1. Monik Kaole

2. Faustina Lazarus

3. Bennet Menezes

4. Dhruv Dave

(Project Guide)	**(Mini-Project Coordinator)**	**(HOD-Information Technology)**

Department of Information Technology
COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Identify problems based on societal /research needs.	PO1, PO3, PO5	PSO1
CO2	Apply Knowledge and skill to solve societal problems in a group.		
CO3	Develop interpersonal skills to work as member of a group or leader.		
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.		
CO5	Analyze the impact of solutions in societal and environmental context for sustainable development.		
CO6	Use standard norms of engineering practices		
CO7	Excel in written and oral communication.		
CO8	Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.		
CO9	Demonstrate project management principles during project work.		

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1															
CO2															
CO3															
CO4															
CO5															
CO6															
CO7															
CO8															
CO9															

Department of Information Technology
SCHEDULE FOR MINI PROJECT

Date	Week	Contents	Remark	Guide Sign
10/01/22 to 14/01/22	1	Introduction to mini project on ML (ITM601), Group formation, Sharing project proposal, approval presentation and logbook formats		
17/01/22 to 21/01/22	2	Discussion of project topic with mentor, logbook checking		
24/01/22 to 28/01/22	3	Mini project approval presentation, synopsis submission, logbook checking		
31/01/22 to 04/02/22	4	Guest lecture: Data preparation, Data aggregation, Logbook checking		
07/02/22 to 11/02/22	5	ML algorithm coding , Logbook checking		
14/02/22 to 18/02/22	6	Model implementation, Logbook checking		
21/02/22 to 25/02/22	7	Mid-sem evaluation, Logbook checking		
28/02/22 to 04/03/22	8	Training, Evaluation, Logbook checking		
07/03/22 to 11/03/22	9	Parameter tuning and Inference, Logbook checking		
14/03/22 to 18/03/22	10	Model deployment (Integration of algorithm with website)		
21/03/22 to 25/03/22	11	Model deployment (Integration of algorithm with website)		
28/03/22 to 01/04/22	12	Final internal evaluation, Report and Logbook submission, uploading mini project documents on Google classroom		
04/04/22 to 08/04/22	13	Website Demonstration		

Department of Information Technology

PROGRESS/ATTENDANCE REPORT

Title of the Project: **Castaway Corner Using MLCastaway Corner Using ML**

Group No. 21	Name of Student 1: Monik Kaole
	Name of Student 2: Faustina Lazarus
	Name of Student 3: Bennet Menezes
	Name of Student 4: Dhruv Dave

Name of the Guide: **Ms. Vandana Patil**

Sr. No	Date	Attendance				Progress/Suggestion	Mapping		
		1	2	3	4		CO	PO	PSO
1	10/01/22 to 14/01/22	P	P	P	P	Group formation and searching for the project topic. The topic that is shortlisted is Castaway Corner Using MLCastaway Corner Using ML			
2	17/01/22 to 21/01/22	P	P	P	P	Proposal and presentation prepared on the chosen topic.			
3	24/01/22 to 28/01/22	P	P	P	P	The topic of our Mini Project has been approved.			
4	31/01/22 to 04/02/22	P	P	P	P	Attended the guest lecture and understand the basic concepts which we can apply in our project.			

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5	07/02/22 to 11/02/22	P	P	P	P	Decided the algorithm to be used			
6	14/02/22 to 18/02/22	P	P	P	P	Our model is implemented and also updated the logbook.			
7	21/02/22 to 25/02/2	P	P	P	P	Mid-Sem evaluation completed and changes were made accordingly as suggested.			
8	28/02/22 to 04/03/22	P	P	P	P	Starting creating the user interface.			
9	07/03/22 to 11/03/22	P	P	P	P	Integration of algorithm with the website for our crop recommendation is completed using Flask.			
10	14/03/22 to 18/03/22	P	P	P	P	Integration of algorithm with the website is completed.			
11	21/03/22 to 25/03/22	P	P	P	P	UI has been improved and the report is completed.			
12	28/03/22 to 01/04/22	P	P	P	P	Final Evaluation is done and the presentation, logbook, report, and demo of the project are ready.			
13	04/04/22 to 08/04/22	P	P	P	P	Shown the demonstration of our website			

Name, Date & Sign of the Supervisor/Guide

Department of Information Technology
REVIEW-I FORM

Group No: **21**

Title of Mini-Project: **Castaway Corner Using MLCastaway Corner Using ML**

Date of Review-I: _____

No. of students in project team: **4**

Student Mini-Project Performance Analysis (Put Tick as per your Observation)

Sr. No.	Excellent (3) Very Good (2) Good (1) Observation	(3)	(2)	(1)
1	Quality of problem and Clarity			
2	Literature Survey			
3	Innovativeness in solutions			
4	Feasibility Of the Project			
5	Usage of technology			
6	Cost effectiveness and Societal impact			
7	Overall Presentation & Performance			
Comments:				

 Project Guide & Panel Members Signature: 1)
                                               2)
                                               3)

Name, Date & Signature   **Name, Date & Signature**

Project Coordinator   **HOD-Information Technology**

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Department of Information Technology
REVIEW-II FORM

Group No: **21**

Title of Mini-Project: **Castaway Corner Using MLCastaway Corner Using ML**

Date of Review-II: _____

No. of students in project team: **4**

Student Mini-Project Performance Analysis (Put Tick as per your Observation)

Excellent (3)		Very Good (2)	Good (1)		
Sr. No.	**Observation**		**(3)**	**(2)**	**(1)**
1	Usage of effective skill sets				
2	Design and Implementation				
3	Testing and Analysis				
4	Use of standard engineering norms				
5	Cost effectiveness and Societal impact				
6	Contribution of an individual member in team				
7	Overall Presentation & Performance				
Comments:					

Project Guide & Panel Members Signature: 1)
2)
3)

Name, Date & Signature   **Name, Date & Signature**

Project Coordinator   **HOD-Information Technology**

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Department of Information Technology
EXAMINER'S FEEDBACK FORM

Name of External examiner:

College of External examiner:

Name of Internal examiner:

Date of Examination:_____/____/_____   No. of students in project

team: Availability of separate lab for the project: Yes / No

Student Performance Analysis (Put Tick as per your Observation)

	Excellent (3) Very Good (2) Good (1)			
Sr. No.	**Observation**	**(3)**	**(2)**	**(1)**
1	Quality of problem and Clarity			
2	Innovativeness in solutions			
3	Cost effectiveness and Societal impact			
4	Full functioning of working model as per stated requirements			
5	Effective use of skill sets			
6	Effective use of standard engineering norms			
7	Contribution of an individual's as member or leader			
8	Clarity in written and oral communication			
9	Overall performance			

- o Can same mini project extend to next semester by adding new objectives/ideas? (Yes/ No)

- o If yes, suggest new Innovative Technique/Idea/ objectives related to this project.

_____

_____

_____

Name, Date & Signature   **Name, Date & Signature**
External Examiner   **Internal Examiner**

Name, Date & Signature
HOD-Information Technology