ROSP MINI-PROJECT LOGBOOK

GROUP MEMBERS

1. Sneha Dahikar
2. Prem Dhawane
3. Aaron Fernandes

Supervisor/Guide

Prof. Sanjay K. Pandey

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

Department of Information Technology

TSEC, Mumbai - 400 050

University of Mumbai

(Academic Year 2023-24)

INSTITUTE VISION & MISSION

VISION:

Perpetuating and transcending the processes of:

- Contributing to evolving supply chain of human capital for National Economy
- Creating entrepreneurs and 'game changers' to support heightened level of economic activitiesunderpinning ever increasing human aspiration
- Helping the Nation evolve as a total solution provider
- Value and wealth creation for the mankind

MISSION:

Focusing and practicing:

- Product and processes innovation
- Leveraging human cognitive and behavioral science for creating instructional content
- Pervasive and ubiquitous Information Communication Technologies for customized content forlearning
- Acknowledge and facilitate various learning styles and learning abilities
- Migrating from teaching paradigm to learning paradigm
- Every day discourse shall inculcate research culture and further the cause of societal advancement
- Understand various markets and cultures
- Collaborative learning and emotional integrity
- Sensitizing about opportunities in Energy, Education, Environment and Health care sectors
- Extensively promoting computer aided design, analysis and manufacturing procedures
- Theoretical rigor to develop conceptual clarity
- Modeling and design of experiments to inculcate culture of investigation
- Helping foot print on Project management and collaborative human endeavor
- Interdisciplinary studies and exposure to functional areas

INFORMATION TECHNOLOGY DEPARTMENT

VISION:

The department should be known globally for its core competence in terms of intuitive and intelligentarchitectural solutions on “conversion of problem to logic”.

MISSION:

Focusing and practicing:

- Theoretical rigour to develop conceptual clarity.
- Modelling and design of experiments to inculcate culture of investigation.
- Making project based learning-learning as a pervasive pedagogy.
- Transcending learning in the emerging areas of Artificial Intelligence, Deep Learning, Block-chaintechnology and Quantum Computing.
- Short term training program in evolving fields of Information Technology.
- Collaborative learning, interdisciplinary studies and exposure to functional areas.
- Sensitising all concerned about automation in IT services, software product and software processinnovation.
- Introducing risk management, risk mitigation and the process of hedging.
- Inculcating and enhancing the culture of entrepreneurship, start-up ventures and incubation process.
- Metamorphosis from teaching paradigm to learning paradigm.
- Everyday discourse shall inculcate research culture and create IPR in terms of process and productpatents, by understanding various markets and culture

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

PEO I: To create graduates committed to further the cause of information technology to enable enterprises to seize the massive opportunity emerging in IT services & IT product marketplace.

PEO II: To build theoretical rigor, conceptual clarity in learners & engaging them to develop an attitude and temperament to be productive in workplace.

PEO III: Help Learners to develop competency & skill sets in customizing software products in the niche/specialized areas like Big data Analytics, Artificial Intelligence, Deep learning & Block chaintechnologies.

PEO IV: Help learners to develop competency in "Conversion of problem to logic" and in acquiring modelling & simulation skills.

PEO V: Help them to develop environment consciousness build intellectual & emotional integrity &capacity to remain focused for a long time to achieve said goals.

PROGRAM OUTCOMES (POs)

PO's	OUTCOMES
PO1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineeringproblems.
PO2	**Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**Design/development of solutions:** 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.
PO4	**Conduct investigations of complex problems:** 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.
PO5	**Modern tool usage:** 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.
PO6	**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilitiesrelevant to the professional engineering practice.
PO7	**Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and needfor sustainable development.

PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities andnorms of the engineering practice.
PO9	**Individual and team work:** Function effectively as an individual, and as a member or leaderin diverse teams, and in multidisciplinary settings.

PO10	**Communication:** 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 andreceive clear instructions.
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member andleader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long learning:** Recognize the need for, and have the preparation and ability to engagein independent and life-long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Apply Core Information Technology knowledge to develop stable and secure IT system
PSO2	Design, IT infrastructures for an enterprise using concepts of best practices in Information Technology and security domain.
PSO3	Ability to work in multidisciplinary projects and make it IT enabled.
PSO4	Ability to adapt latest trends and technologies like Analytics, Blockchain, Cloud, Data science.

STUDENT INFORMATION

Project Title: CryptoWallet

	Student 1	Student 2	Student 3
StudentID	20005012	20005015	20005018
Name	Sneha Dahikar	Prem Dhawane	Aaron Fernandes
Class with Division	BE-B1	BE-B1	BE-B1
ContactNo.	9930756569	8104974947	8652279972
Email	snehadahikar@gmail.com	premdhawane09@gmail.com	aaronf411@hotmail.com
Address	Iris Park Condominium, Jogeshwari west, Mumbai-400102	New Link Road, Kandivali west Mumbai-67	G-02, A-Wing, Dosti Neptune CHSL, Dosti Estate, Wadala East, Mumbai-400037

INSTRUCTIONS TO STUDENTS:

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

2. Log book duly signed by guide must be submitted with project report forevaluation 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. Sneha Dahikar
2. Prem Dhawane
3. Aaron Fernandes

(Date & Signature of Students)

Letter of Acceptance

I undersigned, Prof. Sanjay K. Pandey working in Information Technology Department, willing to guide the project titled **Cryptowallet** for the ROSP Mini-Project Semester VII respectively for the Academic Year 2023-24.

The names of the students are:

1. Sneha Dahikar

2. Prem Dhawane

3. Aaron Fernandes

Prof. Sanjay K. Pandey	Prof. Chetan Agarwal	Dr. Mukesh Israni
(Project Guide)	**(Mini-Project Reviewer)**	**(HOD-Information Technology)**

.

LAB OUTCOMES

CO No.	LAB OUTCOME	POs covered	PSOs covered
LO1	Understand and apply the basic concepts of Open Source Software.	PO1,PO2,PO3,PO9-PO12	PSO1, PSO4
LO2	Identify the difference between the GPL (General Public Licence)and Contribute to Open Source.	PO2, PO3,PO8-PO11	PSO2-PSO4
LO3	Apply and evaluate your knowledge for the Contribute to OpenSource in different Operating System.	PO1-PO3, PO9-PO12	PSO2-PSO4
LO4	Apply and evaluate your knowledge for the Contribute to OpenSource in different Technologies.	PO1-PO3, PO9-PO12	PSO2-PSO4
LO5	Apply and evaluate your knowledge for the Contribute to OpenSource in different Network Management	PO1-PO3, PO5-PO12	PSO1-PSO4
LO6	Apply and evaluate your knowledge for the Contribute to OpenSource in different Applications and Services	PO1-PO3, PO5-PO12	PSO1-PSO4

LO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
LO1	1	2	1						2	1	1	1	1			1
LO2	-	1	1					1	1	1	1			2	2	1
LO3	1	2	2						2	2	1	2		2	2	1
LO4	1	2	2						2	2	2	2		2	2	1
LO5	1	2	2		2	1	1	2	2	2	2	2	1	2	2	1
LO6	1	2	2		2	2	2	3	3	3	3	2	1	2	2	1

SCHEDULE FOR MINI PROJECT

Date	Week	Contents	Remark	Guide Sign
21/07/2023	1	To study the difference betweenopen source and free source software		
28/07/2023	2	Study different type of opensource license(GPL & MIT)		
01/08/2023	3	Study different ways to contribute in open source Community		
03/08/2023	4	Literature Review to identify new / existing projects to contribute		
04/08/2023	5	Prepare problem statement		
12/08/20223 & 13/08/2023	6	Prepare implementation plan		
18/08/2023	7	Review Meeting 1		
25/09/2023	8	Propose solution to the problem		
06/10/2023	9	Demonstrate the mini project		
29/10/2023	10	Upload Project on GitHub		
06/10/2023	11	Apply License to your Project		
13/10/2023	12	Review Meeting 2		

PROGRESS/ATTENDANCE REPORT

Title of the Project: **Cryptowallet**	
Group No.	Sneha Dahikar
	Prem Dhawane
	Aaron Fernandes
Name of the Supervisor/Guide: Prof. Sanjay K. Pandey	

Sr. No	Date	Attendance				Progress/Suggestion	Mapping		
1	21/07/2023	P	P	A	A	Mini Project Topic Shortlisting	LO1	PO1, PO2	PSO1
2	28/07/2023	P	P	P	P	Detailed intense literature Survey	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
3	01/08/2023	P	A	P	A	Comparison of different algorithmsfrom existing papers	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
4	03/08/2023	P	P	P	P	Problem Statement representation	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
5	04/08/2023	P	P	P	P	Design of proposed model with specifications	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4

6	12/08/20223 & 13/08/2023	P	P	A	A	Plan of implementation along with in individual contributions	LO1,LO2	PO1, PO2,PO8	PSO1, PSO3
7	18/08/2023	P	P	P	P	Review Meet 1, tally the accuracy with current crypto prices	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
8	25/09/2023	P	A	P	A	Differentiation with all existing s crypto prices with proposed prediction	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
9	06/10/2023	P	P	P	P	LSTM working along with parameters to take input value	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
10	29/10/2023	P	P	A	P	Objective representation with properexplanation	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
11	06/10/2023	P	P	P	A	Future scope due to identified gaps in the model and few modifications	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4
12	13/10/2023	P	P	P	P	Review2, presentation according tothe ppt flow	LO2,LO4, LO6	PO2,PO8,PO9 ,PO10,PO11 ,PO12	PSO2, PSO3 PSO4

Prof. Sanjay Pandey

Name, Date & Sign of the Supervisor/Guide

REVIEW-I FORM

Group No: 2

Title of Mini-Project: Cryptowallet

Date of Review-I: 18/08/2023

No. of students in project team: 3

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	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) Sanjay K. Pandey

2) Chetan Agarwal

Prof. Sanjay K. Pandey

Name, Date & Signature

Project Coordinator

Dr. Mukesh Israni

Name, Date & Signature

HOD-Information Technology

REVIEW-II FORM

Group No: 2

Title of Mini-Project: Cryptowallet

Date of Review-II: 13/10/2023

No. of students in project team: 3

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) Sanjay K. Pandey

2) Chetan Agarwal

Prof. Sanjay K. Pandey

Name, Date & Signature

Project Coordinator

Dr. Mukesh Israni

Name, Date & Signature

HOD-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:Availabilit y of separate lab for the project: Yes / No

Student Performance Anal ysis (Put Tick as per your Observation)

Excellent (3)	Ver y Good (2)	Good (1)		
Sr. No.	**Observatio n**	**(3)**	**(2)**	**(1)**
1	Qualit y of problem and Clarit y			
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	Clarit y in written and oral communication			
9	Overall performance			

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

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

.

.

.

Name, Date & Signature
External Examiner

Name, Date & Signature
Internal Examiner

Name, Date & Signature
HOD-Information Technolog y