MAJOR-PROJECT LOGBOOK

GROUP MEMBERS

1. VED JAISWAL -2005033
2. MOUNIKA JINDAM -2005036
3. KRISHNA KHADKE -2005044
4. RITESH MESTRY -2005060

Supervisor
Dr. G.T. THAMPI

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 activities underpinning 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 for learning
- Acknowledge and facilitate various learning styles and learning abilities
- Migrating from teaching paradigm to learning paradigm
- Everyday 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 a culture of investigation
- Helping footprint 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 intelligent architectural solutions on “conversion of problem to logic”.

MISSION:

Focusing and practicing:

- Theoretical rigor to develop conceptual clarity.
- Modeling and design of experiments to inculcate a culture of investigation.
- Making project-based learning-learning as a pervasive pedagogy.
- Transcending learning in the emerging areas of Artificial Intelligence, Deep Learning, Block-chain technology and Quantum Computing.
- Short term training program in evolving fields of Information Technology.
- Collaborative learning, interdisciplinary studies and exposure to functional areas.
- Sensitizing all concerned about automation in IT services, software product and software process innovation.
- 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 a teaching paradigm to a learning paradigm.
- Everyday discourse shall inculcate research culture and create IPR in terms of process and product patents, by understanding various markets and cultures.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

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

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

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

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

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

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 solutions to futuristic engineering problems.
PO3	A broad education is 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 the impact of engineering knowledge on society and the environment with the need for 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 to complex computing problems effectively using reports and presentations to a wide range of audiences.
PO11	To instill leadership and managerial skills in a multidisciplinary environment.
PO12	Recognition of the need for and an ability to engage in life-long learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Graduating students will be having competencies in applying computational technologies and practices in solving real life problems with scholastic understanding of basic sciences and mathematics.
PSO2	Graduating students will be equipped with proficiency in system analysis, modelling and software development leveraging their knowledge in database systems, computer networks, information and network security, cloud computing and data analytics.
PSO3	Graduating students will be demonstrating their competency in carrying out collaborative projects with their proficiency in developing user interface, software architecture, software testing and licensing regime
PSO4	Graduates shall be treated as a human capital evolving as professional contribute to national GDP and mankind at large.

STUDENT INFORMATION

Project Title: Building Intelligence To Full Stack Development Process

	Student 1	**Student 2**	**Student 3**	**Student 4**
Student ID	2005033	2005036	2005044	2005060
Name	Ved Jaiswal	Mounika Jindam	Krishna Khadke	Ritesh Mestry
Class with Division	Class: BE Division: B1 Batch: B12	Class: BE Division: B1 Batch: B12	Class: BE Division: B1 Batch: B12	Class: BE Division: B1 Batch: B13
Contact No.	8928073015	9833922368	9004470884	7045851157
E-mail	vedjaiswal0506@gmail.com	mounikajindam7@gmail.com	krishnakhadke11@gmail.com	riteshmestrypro@gmail.com
Address	Prabhadevi, Mumbai	Worli, Mumbai	Kharghar, Navi Mumbai	Kandivali, Mumbai

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 a week.

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

DECLARATION

I declare that, my project represents our 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 a minimum of 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. Ved Jaiswal - 2005033
2. Mounika Jindam - 2005036
3. Krishna Khadke - 2005044
4. Ritesh Mestry - 2005060

Letter of Acceptance

I undersigned, Dr. G.T. Thampi working in Information Technology Department, willing to guide the project titled “Building Intelligence To Full Stack Development Process” for the Major-Project of Semester VII respectively for the Academic
Year 2023-24.

The names of the students are:

Ved Jaiswal

Mounika Jindam

Krishna Khadke

Ritesh Mestry

Dr. G.T. Thampi	Dr. G.T. Thampi	Dr. Mukesh Israni
(Project Guide)	**(Major-Project Coordinator)**	**(HOD-Information Technology)**

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COURSE OUTCOMES

CO No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	Identify problems based on societal /research needs.		
CO2	Apply Knowledge and skill to solve societal problems in a group.		
CO3	Develop interpersonal skills to work as a 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	PSO4
CO1	1	2	1						2	1	1	1	1			1
CO2	-	1	1					1	1	1	1			2	2	1
CO3	1	2	2						2	2	1	2		2	2	1
CO4	1	2	2						2	2	2	2		2	2	1
CO5	1	2	2		2	1	1	2	2	2	2	2	1	2	2	1
CO6	1	2	2		2	2	2	3	3	3	3	2	1	2	2	1
CO7	1	2	1						2	1	1	1	1			1
CO8	-	1	1					1	1	1	1			2	2	1
CO9	1	2	2						2	2	1	2		2	2	1

Students Project Course outcomes attainment mapped in the Level of 1 to 3

CO No.	COURSE OUTCOME	Attainment Level (1-3) Excellent (3) Very Good (2) Good (1)
CO1	Identify problems based on societal /research needs.	
CO2	Apply Knowledge and skill to solve societal problems in a group.	
CO3	Develop interpersonal skills to work as a 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.	

Dr. G.T. Thampi	Dr. G.T. Thampi	Dr. Mukesh Israni
(Project Guide)	**(Major-Project Coordinator)**	**(HOD-Information Technology)**

SCHEDULE FOR MAJOR PROJECT

Date	Week	Contents	Remark	Guide Sign
	1	To study the various full stack development projects		
	2	To draw similarity between various projects and their technological stacks		
	3	Study different algorithms		
	4	Literature Review to identify new / existing projects to contribute		
	5	Prepare problem statement		
	6	Prepare implementation plan		
	7	Review Meeting 1		

	8	Propose solution to the problem		
	9	Demonstrate the mini project		
	10	Upload Project on GitHub		
	11	Apply License to your Project		
	12	Review Meeting 2		

PROGRESS/ATTENDANCE REPORT

Title of the Project: Building Intelligence To Full Stack Development Process	
Group No. 1	Name of Student 1: Ved Jaiswal
	Name of Student 2: Mounika Jindam
	Name of Student 3: Krishna Khadke
	Name of Student 4: Ritesh Mestry
Name of the Supervisor/Guide: Dr. G.T. THAMPI	

Sr. No	**Date**	**Attendance**				**Progress/Suggestion**	**Mapping**		
		1	2	3	4		CO	PO	PSO
1									
2									
3									
4									
5									

6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Dr. G.T. Thampi

REVIEW-I FORM

Group No: 4

Title of Major-Project 1: Building Intelligence To Full Stack Development Process

Date of Review-I:

No. of students in project team: 4

Student Major-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:	1. To have clarity on what the proposed system will be, and also gather a detailed list of requirements that the new system must meet in order to suit your needs. 2. Read research paper related to laptop-based attendance system, shortlist among them and compare their algorithms used in them 3. Start with the implementation of Module 1			

Project Guide & Panel Members Signature:

Dr. G.T. Thampi
Project Coordinator

Dr. Mukesh Israni
HOD-Information Technology

REVIEW-II FORM

Group No: 4

Title of Major-Project 1: Building Intelligence To Full Stack Development Process

Date of Review-II:

No. of students in project team: 4

Student Major-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 the team			
7	Overall Presentation & Performance			
Comments:	1. Implement Data Augmentation 2. Capture images of various facial expression 3. Test already built models			

Project Guide & Panel Members Signature:

Dr. G.T. Thampi
Project Coordinator

Dr. Mukesh Israni
HOD-Information Technology

EXTERNAL FEEDBACK FORM

Title of the project: Building Intelligence To Full Stack Development Process

Name of External examiner:

College of External examiner:

Name of Internal examiner: Dr. G.T. Thampi

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

Availability of separate lab for the project: Yes / No

Student Performance Analysis (Put Tick as per your Observation)

CO No.	COURSE OUTCOME	Attainment Level(1-3) Excellent (3) Very Good (2) Good (1)
CO1	Identify problems based on societal /research needs.	
CO2	Apply Knowledge and skill to solve societal problems in a group.	
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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.	

- Have you proposed new model by adding new objectives/ideas? (Yes/ No)
- If yes, can it be filled as a Patent?

Dr. G.T. Thampi

External Examiner **Internal Examiner**

Dr Mukesh Israni

HOD-Information Technology

INTERNAL FEEDBACK FORM

Title of the project: Building Intelligence to Full Stack Development Process

Name of External examiner:

College of External examiner:

Name of Internal examiner: Dr. G. T. Thampi

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

Availability of separate lab for the project: Yes / No

Student Performance Analysis (Put Tick as per your Observation)

CO No.	**COURSE OUTCOME**	**Attainment Level (1-3)** Excellent (3) Very Good (2) Good (1)
CO1	Identify problems based on societal /research needs.	
CO2	Apply Knowledge and skill to solve societal problems in a group.	
CO3	Develop interpersonal skills to work as a member of a group or leader.	
CO4	Draw the proper inferences from available results through theoretical/ experimental/simulations.	
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- Have you proposed new model by adding new objectives/ideas? (Yes/ No)
- If yes, can it be filled as a Patent?

Dr. G.T. Thampi
Internal Examiner

Dr. Mukesh Israni
HOD-Information Technology