



Lokmanya Tilak Jankalyan Shikshan Sanstha's

Lokmanya Tilak College of Engineering

Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai



(Approved by AICTE, Affiliated to University of Mumbai, & Accredited by NAAC)

Department of computer Engineering

LOG BOOK FOR MAJOR PROJECT-2

PROJECT GROUP NO: 12

GROUP MEMBERS

1. Mr. Aniket Singh
2. Mr. Gautam Sathe
3. Mr. Kovid Thalia
4. Mr. Shivendra Singh

Name of the Guide: Prof. Smita Ambarkar



DEPARTMENT OF COMPUTER ENGINEERING
LOKMANYA TILAK COLLEGE OF ENGINEERING
KOPARKHAIRANE, NAVI MUMBAI
UNIVERSITY OF MUMBAI

Academic Year

2022-23
INSTITUTE VISION & MISSION

VISION:

To create technically competent and ethically responsible professionals capable of providing efficient solutions to the contemporary world.

MISSION:

We aim to excel in our continual efforts, towards being one of the most recognized institutions by:

1. Providing a conducive environment comprising high end infrastructure and state-of-the-art laboratory facilities wherein the students, faculty and staff can collectively enhance their technical potential.
2. Encouraging innovation through research activities for the benefits of society.
3. Developing competent professionals responsive to changing technology.

COMPUTER ENGINEERING DEPARTMENT

VISION:

To create Computer Engineers who are technically sound and socially conscious and able to excel in multidisciplinary fields in a global environment.

MISSION:

1. To impart strong professional knowledge through innovative teaching methodologies.
2. To inculcate leadership qualities and entrepreneur skills with social and ethical values for technological development of the Nation.

3. To support technology transformation for societal and environmental benefits
- 4.** To promote the skill for futuristic research practices.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

PEO1	Aspire successful career in the field of Computer Engineering utilizing technical and professional skills while complying with ethical standards
PEO2	Provide techno-social solutions through communication, entrepreneurial, collaborative and engineering skill
PEO3	Indulge in life-long learning through higher studies, Research and continuing education.

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	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 the impact of engineering knowledge towards society and the environment with 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 of 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.
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PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	The ability to analyze, design and implement applications in the computer engineering domain by applying the knowledge of basic sciences, mathematics and engineering fundamentals
PSO2	The adaptability to advancements in software tools and technology with an understanding of societal and ecological issues relevant to engineering practices through life-long learning.
PSO3	The proficiency to work in a team or as a leader with effective interpersonal skills in a professional environment with ethical and moral values.

STUDENT INFORMATION

Project Title: TruCheck - BlockChain System for Product Anti-Counterfeiting

Name of the Guide: Prof. Smita Ambarkar

Academic Year: 2022-23

	Student 1	Student 2	Student 3	Student 4
Name	Aniket Singh	Gautam Sathe	Kovid Thalia	Shivendra Singh
ERP No.	190600044	190600291	190600	190600
Division	BE-B	BE-B	BE-B	BE-B
Contact No.	7715929605	9987502610	9757018235	9326851171
E-mail	anisingh@ltce.in	gautam.sathe@ltce.in	kovid.thalia@ltce.in	shivendrasinghno.1@gmail.com
Address	Dadar	Thane	Kalyan	Airoli

ABOUT LOG BOOK:

Log Book is to be maintained by final year students to record all the activities performed in order to complete the Major Project work in semester VII and VIII.

The log book is the formal way for faculty to know and evaluate the student's attitude, project development and progress. Therefore, this log book is important documentation for project work carried out by students.

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 a guide must be submitted with a 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 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. Mr. Aniket Singh -
2. Mr. Gautam Sathe -
3. Mr. Kovid Thalia -
4. Mr. Shivendra Singh -

(Signature of Students)

LOKMANYA TILAK COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

**Academic Year
(2022-23)**

Letter of Acceptance

I undersigned Prof Smita Ambarkar working in the Computer department, LTCOE, willing to guide the project titled **TruCheck - BlockChain System for Product Anti-Counterfeiting** for the Major Project-I and Major Project-II of B.E. Semester VII and VIII respectively for the academic year 2022-23.

The names of the students are:

1. Mr. Aniket Singh
2. Mr. Gautam Sathe
3. Mr. Kovid Thalia
4. Mr. Shivendra Singh

(Project Guide)

(BE Project Coordinator)

(HOD Computer)

MAJOR PROJECT-2

Project Title	TruCheck - BlockChain System for Product Anti-Counterfeiting
Branch/Semester/Year	BEB/8/2022-2023
Name of the Guide	Prof. Smita Ambarkar

Program Structure

B.E. Computer Engineering Fourth Year (Computer)(Semester VIII)

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
CSP801	Major Project-2	-	12	-	-	6	-	6

Course Code	Course Name	Examination Scheme						
CSP801	Major Project-2	Internal Assessment						
		Internal Assessment		End Sem Exam	Exam Duration	TW	oral	Total
		Test 1	Test 1	Avg				
		-	-	-	-	100	50	150

GUIDELINES FOR ASSESSMENT OF MAJOR PROJECT II

Project II should be assessed based on following points:

- Quality of problem selected
- Clarity of Problem definition and Feasibility of problem solution
- Relevance to the specialization / Industrial trends
- Clarity of objective and scope
- Quality of work attempted
- Validation of results
- Quality of Written and Oral Presentation

Term Work:

Students have to submit a weekly progress report to the internal guide and the internal guide has to keep track of 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, visits by internal guide will be preferred to get the status of the project. Distribution of marks for term work shall be as follows:

- a) Weekly Attendance on Project Day
- b) Project work contributions as per objective
- c) Project Report (Hard Bound)
- d) Term End Presentation (Internal)

The final certification and acceptance of TW ensures the satisfactory performance on the above aspects.

Course Outcomes of Major Project-2

CSP 801.1	Implement solutions for the selected problem by applying technical and professional skills.
CSP 801.2	Analyze impact of solutions in societal and environmental context for sustainable development.
CSP 801.3	Collaborate best practices along with effective use of modern tools.
CSP 801.4	Develop proficiency in oral and written communication with effective leadership and teamwork.
CSP 801.5	Nurture professional and ethical behavior.
CSP 801.6	Gain expertise that helps in building lifelong learning experience.

CO-PO-PSO Mapping of Major Project-2

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO3
CO1	✓				✓								✓		
CO2						✓									
CO3									✓		✓				✓
CO4					✓										
CO5							✓								
CO6								✓		✓					

Schedule for Major Project – 2

Date	Week	Contents	Remark	Guide Sign
19/10/2022	1	Review of work completed in sem-VII		
24/10/2022	2	Discussion on project design		
01/11/2022	3	Overview of framework/design and discussion on coding approach		
03/11/2022	4	Mid Term Presentation and Demonstration		
17/02/2023	5	Overview of the Coding/Implementation		
03/03/2023	6	Review the completed coding		
10/03/2023	7	Discussion on deployment/testing/debugging		
04/04/2023	8	Presentation and Demonstration of project with results		
18/04/2023	9	Preparation of draft project report		
24/04/2023	10	Review the Project Report		
27/04/2023	11	Overview of Final presentation and Report		
29/04/2023	12	Submission and certification of dissertation		

Department of Computer Engineering

Academic Year- 2022-23
Major Project-2 (Sem-VIII)
Progress/Attendance Report

Title of the Project: TruCheck - BlockChain System for Product Anti-Counterfeiting

Group No. 12	Name of Student 1: Aniket Singh
	Name of Student 2: Gautam Sathe
	Name of Student 3: Kovid Thalia
	Name of Student 4: Shivendra Singh
Name of the Guide: Prof. Smita Ambarkar	

Sr. No	Date	Attendance				Progress/Suggestion	Mapping		
		1	2	3	4		CO	PO	PSO
1	19/10/2022	P	P	P	P	Review of work completed in sem-VII	C O 1		
2	24/10/2022	P	P	P	P	Discussion on project design			
3	01/11/2022	P	P	P	P	Overview of framework/design and discussion on coding approach			
4	03/11/2022	P	P	P	P	Mid Term Presentation and Demonstration			
5	17/02/2023	P	P	P	P	Overview of the Coding/Implementation			
6	03/03/2023	P	P	P	P	Review the completed coding			

7	10/03/20 23	P	P	P	P	Discussion on deployment/testing/debugging			
8	04/04/20 23	P	P	P	P	Presentation and Demonstration of project with results			
9	18/04/20 23	P	P	P	P	Preparation of draft project report			
10	24/04/20 23	P	P	P	P	Review the Project Report			
11	27/04/20 23	P	P	P	P	Overview of Final presentation and Report			
12	29/04/20 23	P	P	P	P	Submission and certification of dissertation			

Signature of the Guide