MINI PROJECT LOGBOOK
2022-2023

Project Title: EDUCATION WITH XR(EXTENDED REALITY)

GROUP MEMBERS

1. SUNIDHI VISHWAKARMA
2. SUMIT SINGH
3. SHREERAJ SANGLE

Shree Rahul Education Society's (Regd.)

Shree L. R. Tiwari College of Engineering

Letter of Acceptance

I undersigned Professor. SHEETAL MAHADIK working in Electronic and Computer Science department willing to guide the project titled EDUCATION WITH XR (EXTENDED REALITY) for the Mini project for Sem VI academic year 2022-2023.

The names of students are:

1. **SUNIDHI VISHWAKARMA**
2. **SUMIT SINGH**
3. **SHREERAJ SANGLE**

Signature
Project Guide

Course Outcome (CO)

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. Analyse 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.

Program Educational Objectives (PO)

PEO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PEO2: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PEO3: 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 public health and safety, and cultural, societal, and environmental considerations.
PEO4: 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.
PEO5: 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.
PEO6: 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.
PEO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PEO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PEO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PEO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with the 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
PEO11: 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.
PEO12: 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):

PSO1: To apply the knowledge of mathematics, physics, electronics to attain the ability to design and develop hardware and software based systems to evaluate and recognize potential risks and provide creative solutions.
PSO2: To develop an all-round personality with multiple skills like leadership, verbal and written communication, team work, to be sensitive and responsible towards society.
PSO3: Apply the contextual knowledge of Electronics and Computer science engineering to experience an environment conducive in cultivating skills for successful career, entrepreneurship and related studies.

Project Plan

SR NO	TASK	STATUS AS ON	DATE
1	Problem Statement Identification	Completed	16/01/2023
2	Literature Survey	Completed	23/01/2022
3	General Block Diagram	Completed	30/01/2022
4	Flowchart	Completed	06/02/2023
5	Acquiring Database	Completed	15/02/2023
6	Learning Required Software	Completed	25/02/2023
7	Model Designing	Completed	13/03/2023
8	Software Tool	Completed	20/03/2023
9	Software Algorithm	Completed	27/03/2023
10	Software Model Testing	Completed	10/04/2023
11	System Testing	Completed	15/04/2023
12	Prototype	Completed	20/04/2023

Schedule for Mini Project

Date	Week	Comments	Remark	Guide Sign
16/01/2023	1	Problem Statement Identification		
23/01/2022	2	Literature Survey		
30/01/2022	3	General Block Diagram		
06/02/2023	4	Flowchart		
15/02/2023	5	Acquiring Database		
25/02/2023	6	Learning Required Software		
13/03/2023	7	Model Designing		
20/03/2023	8	Software Tool		
27/03/2023	9	Software Algorithm		
10/04/2023	10	Software Model Testing		
15/04/2023	11	System Testing		
20/04/2023	12	Prototype		

Progress / Attendance Report

Title: EDUCATION WITH XR(EXTENDED REALITY)
Group No: 3
Name of Student 1: SUNIDHI VISHWAKARMA
Name of Student 2: SUMIT SINGH
Name of Student 3: SHREERAJ SANGLE

Sr.No.	Date	Attendance			Work Done	Progress Suggestion by Guide	Mapping by Guide		
		1	2	3			CO	PO	PSO
1	16/01/2023				Problem Statement Identification				
2	23/01/2022				Literature Survey				
3	30/01/2022				General Block Diagram				
4	06/02/2023				Flowchart				
5	15/02/2023				Acquiring Database				
6	25/02/2023				Learning Required Software				
7	13/03/2023				Model Designing				
8	20/03/2023				Software Tool				
9	27/03/2023				Software Algorithm				
10	10/04/2023				Software Model Testing				
11	15/04/2023				System Testing				
12	20/04/2023				Prototype				