Allenhouse AKTU Code : 505
Institute of Technology
176, Rooma, Kanpur (UP), 208 008
(Approved by AICTE, Delhi & Affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow, UP)

Department of Computer Science and Engineering

Date : Sept 02, 2024

Odd Sem-2024-25 Final Year CSE/AIML Project Schedule

S.No.	Phase	Semester	Progress Presentation and Viva Date	Evaluation Parameter
1	Project Proposal Submission	7th Sem		Project Title submission and approval -Project Title -Description -Group -Project Guide
2	Phase 1: Project Proposal			**Marks(50)** Relevance Feasibility Problem Statement Objectives Literature Review
3	Phase 2: Planning and Design			**Marks(50)** Project Plan Design Technology Stack Data Management Risk Assessment:
4	Phase 3: Implementation			**Marks(50)** Coding Standards Functionality Testing Code Documentation Version Control
1.	Phase 4: Evaluation and Results	8th Sem		Performance User Interface Results Quality Assurance Data Analysis
2.	Phase 5: Final Presentation and Documentation			Presentation Skills: Documentation: Demonstration: Q&A Session
3.	Phase 6: Overall Assessment			Creativity and Innovation Project Management Problem-Solving Teamwork Adherence to Ethical Guidelines

Project Title and team submission

Students are required to submit project title and group information to Project Coordinator of CSE Deptt. in hardcopy of Project Registration Form.

Rubrics for Evaluation

Phase 1: Project Proposal

Relevance: How relevant is the proposed project to current industry trends or research areas?

Feasibility: Is the project technically feasible with the available resources and timeframe?

Problem Statement: Is the problem statement clearly defined and well-understood?

Objectives: Are the project objectives well-defined and achievable?

Literature Review: Has the student conducted a thorough literature review related to the project?

Phase 2: Planning and Design

Project Plan: How well-structured and realistic is the project plan, including milestones and timelines?

Design: Is the system architecture well-designed and logically sound?

Technology Stack: Are appropriate technologies and tools chosen for the project?

Data Management: How is data going to be collected, stored, and managed?

Risk Assessment: Have potential risks been identified, and mitigation strategies planned?

Phase 3: Implementation

Coding Standards: Does the code adhere to coding standards and best practices?

Functionality: Does the project meet its stated objectives and requirements?

Testing: Is there a comprehensive testing strategy, and how robust is the testing process?

Code Documentation: Is the code well-documented for future maintenance?

Version Control: Is version control effectively used to track code changes?

Phase 4: Evaluation and Results

Performance: How well does the project perform in terms of speed, efficiency, and scalability?

User Interface: Is the user interface intuitive and user-friendly?

Results: Are the project results analyzed, and are they in line with expectations?

Quality Assurance: How well were quality assurance and debugging processes executed?

Data Analysis: How effectively is data (if applicable) processed and analyzed?

Phase 5: Final Presentation and Documentation

Presentation Skills: How well does the student communicate the project's objectives, methods, and outcomes?

Documentation: Is the project documentation comprehensive and well-organized?

Demonstration: Does the student provide a clear and effective demonstration of the project?

Q&A Session: How well does the student answer questions and address feedback?

Phase 6: Overall Assessment

Creativity and Innovation: Did the project bring new ideas or innovations to the field?

Project Management: How well was the project managed, including resource allocation and time management?

Problem-Solving: How effectively were challenges and obstacles addressed during the project?

Teamwork (if applicable): If it's a group project, how well did team members collaborate?

Adherence to Ethical Guidelines: Did the project adhere to ethical standards and guidelines?

Guide Lines for Project

1. Preferably the project should be based on relevant Engineering concepts but interdisciplinary projects may also be opted as per NEP-2020. Website related projects (such as online shopping, online banking, restaurant mgmt. etc.) will not be accepted.

2. We strongly encourage hardware projects involving Robotics, Arduino, and Raspberry Pi, **which will be eligible for a 10-mark bonus in the final evaluation. Further some good projects may also be considered for Institute sponsorship.**

3. Projects with innovative idea related to some real time problem solving will be encouraged.

4. The group size allowed is 1 to 3 students per group, but it should not in any case exceed 3 students. However, in exceptional case, individuals can be allowed with the permission of HOD.

4. For the next/ forthcoming semester students may continue/ extend the same project further or may choose a new supervisor.

Dr. Sudhir Kumar Singh
HOD/CSE

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Project Registration Form, AY-2024-25

Project Title: Description:		
Name of Course:		Code:
Name of students	**Roll No.**	**Signature**

Name of the Project Guide: Signature of Guide

Project Coordinator Sign