**Project Synopsis Guidelines**

**Project Guide:**

**The role of a project guide is highly significant in getting a quality output from the students. As a project guide your expertise in the subject domain, counselling, monitoring and evaluating is sought.**

**Role of a Guide:**

**As a guide you are expected to offer suggestions to fine tune the problem identified and in synopsis preparation. The problem identified should be sufficient enough for a study at MCA level. The guide has to monitor and review the project work periodically during the course of the project.**

**Review report needs to be prepared:**

**The guide has to go through the draft project report and offer suggestions wherever necessary and to confirm that the project report is submitted as per the prescribed format. The guide has to send the Internal Assessment (IA) mark for the students whom he/she was guiding the student. This is to be sent along with the signed final Project Report for submission.**

**For Students:**

**Meeting with the Project Guide**

**The student is required to meet and discuss with the guide periodically on mutually agreed dates. The student is also advised to maintain e-mail contact with the guide.**

**SUBMISSION OF PROJECT SYNOPSIS AND GUIDE ACCEPTANCE FORM**

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| **Student Team Members Details** | |
| **Course Title:  Mini Project** | **Course Code: 23PCA207P** |
| **Session:  II SEM Even Session** | **Year: 2023-24** |
| **Students Name:**  **1. Chetan M Melavanki**  **2. Munni R Hanchwale**  **3. Prutwiraj Hiremani** | **USN:**  **1. 2BA23MC008**  **2. 2BA23MC023**  **3. 2BA23MC033** |
| **Title of the Project: ACADEMIC TASK MANAGEMENT SYSTEM (ATMS)** | |
| **Abstract (Problem Statement about 500 words):**  The Academic Task Management System is innovative software designed to record, manage, and report on various tasks conducted by academic institutions or departments. Academic institutions generate substantial amounts of data, including information on employees, supported branches, students, subjects offered, events conducted, faculty training programs, student training, and assessments.  Effectively managing this data requires a robust procedure for recording these processes and providing relevant information, such as branch details, faculty details, student details, branch-wise activity details, faculty training details, student training details, and student assessment details. The system aims to streamline these operations, ensuring that data is accurately captured and easily accessible.  A critical feature of the system is its ability to generate insights that highlight faculty and student performance. Additionally, the system's forecasting capabilities aim to predict student performance, allowing for proactive measures to enhance educational outcomes. By integrating AI models, the application not only manages academic details but also provides advanced analytics and foresight.  The AI models further enhance the system by enabling predictive analytics, personalized learning pathways for students, and automated scheduling and resource allocation. These models can identify trends and patterns in student performance, suggest tailored interventions for at-risk students, and optimize faculty workload distribution. The incorporation of machine learning algorithms allows for continuous improvement and adaptation to the evolving needs of the institution.  This system is designed to be an essential tool for academic institutions, improving efficiency, providing valuable insights, and supporting data-driven decision-making processes. | |
| **Hardware requirements:**   * Processor: core i3 or above. * Memory: 4GB or above. * Hard Disk: 500GB or above * Printer | |
| **Software requirements:**   * Operating System: Windows 7 or Above. * Web Server : Apache Tomcat Server 4.0.6 * Web Technologies: HTML, CSS, JavaScript. * IDE: Visual Studio Code 1.90.2 * Server Scripting: Java * Database: MySQL 8.0 | |
| **SDLC Methodology Name** | Evolutionary model |
| **Guide Name: Prof.Shrinivas S Gujarathi** | **(Signature of the Guide)** |
| **DECLARATION: I hereby declare that this project synopsis is an original work I carried out to fulfil the mini project course for II Semester study.**  **Signature of the Students:     1.                                2.                                  3.** | |
| **Project Coordinator Signature:** | |

**Mini Project Synopsis Contents Format**

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| **Project Title:** |
| **Introduction:**  **Include purpose, significance, problem statement, and objective.**  Project Background: Overview and significance of the project.  Problem Statement: Define the problem that the project aims for and explain current challenges.  Objective: Primary goal of the project, specific features and functionalities to implement. |
| **Scope of the project:** Area, and future functionalities used in real-time. |
| **Functional Requirements:** Includes Project Modules and Submodules Overview. |
| **Methodology: Includes Literature Survey w.r.t**  Existing System (Problem statement and disadvantages)  Proposed System (Problem Definition with Solutions) |
| **Software Specifications Requirements (SRS):** Tools & Technologies, Hardware, Software Specifications |
| **Expected Outcomes:** Results highlighting how to solve the problem stated and its benefits. |
| **Future Enhancements and Scope:** |
| **Conclusion:** |
| **References:** Online resource, Academic papers, Documentation |
| **Team Members: Role and Responsibilities.** |
| **Synopsis Submission Date:** |