Project Documents

GovernmentPolytechnic*,* Jamnagar

*Department of Computer Engineering*

Semester – V

**Vision**

To become a centre of excellence and generate competent professionals in the field of computer engineering for the betterment of the nation and society at large.

**mission**

To inculcate practical skills into students.

To facilitate students with suitable environment to develop their logical and analytical skills.

To make available modern technology and related tools for hands-on experience.

To inculcate interpersonal skills and ethical values into the students so that they can become successful professionals.

Project Title: FACULTY STUDENT MANAGEMENT SYSTEM [APPADEMIA]

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| **Government Polytechnic, Jamnagar**  **Department of Computer Engineering** | |
| **Projects identification and allocation methodology** | |
| **Academic term: 2022-23** | |
| **Semester: 5th** | **Subject Name & Code: Project-I (3350706)** |
| Final year (5th & 6th semester) students undertake project work as part of the Project-I and Project-II courses according to following methodology.  **Step-1 Motivation & formulation of project groups:** After completion of 4th Semester ESE, department organizes session for information about project. Students are motivated to identify real life problems as far as possible and choose their project definitions.  Project should be defined from the Industry/Research organization/Govt. organization/ socio-technical issues and according to the need of time for solving real life problems. Project identification should be carried out through “Shodh-Yatra” by the student or a group of students.  **Step-2 Submission of project definition:** Students must submit project details such as group members, title, short description, technology to be used, within the allocated time.  **Step-3 Project guide allocation:** Project coordinator registers the project groups along with their definition and allocates project guide. The project groups are allocated a project guide from among the faculty members considering their area of interest.  **Step-4 Project definition discussion with guide:** Each of the project groups discuss their project definition with their respective guides. Project guide may accept the project definition or suggest necessary changes to be done in the definition.  **Step-5 Submission of final project definition:** Project Group, after working on the suggestions given by their project guide, submit project definition to the respective project guide. | |

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| **Government Polytechnic, Jamnagar**  **Department of Computer Engineering** | | | | | | |
| **Project Allocation** | | | | | | |
| **Academic Term: 2022-23** | | | | | | |
| **Semester: 5th** | | **Subject Name & Code: Project-I (3350706)** | | | | |
| **Project Title:** | |  | | | | |
| **Project Guide Name:** | |  | | | | |
| **Sr. No.** | **Name of the student** | | **Enrolment No.** | **Contact No.** | **e-mail ID** | **Sign of the student** |
| **1** | **KARTAVYA ANTANI** | | **206250307001** | **9408950206** | **antani.kartavya@gmail.com** |  |
| **2** | **JAIMEEN VASA** | | **206250307027** | **8866683115** | **jaimeenvassa@gmail.com** |  |
| **3** | **KARAN GONDALIYA** | | **206250307030** | **7862054577** | **karangondaliya10@gmail.com** |  |
| **4** | **-** | | **-** | **-** | **-** | **-** |

***Signature of the department project coordinator Signature of guide***

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| **Government Polytechnic, Jamnagar**  **Department of Computer Engineering** | | | | | | | | |
| **ACADEMIC PLANNING OF PROJECT** | | | | | | | | |
| **Academic term: 2022 - 23** | | | | | | | | |
| **Semester: 5th** | | | **Subject Name & Code: Project-I (3350706)** | | | | | |
| **Project Title:** | | | **FACULTY STUDENT MANAGEMENT APP** | | | | | |
| **Project Guide Name:** | | |  | | | | | |
| **TEACHING & EXAMINATION SCHEME** | | | | | | | | |
| **TEACHING SCHEME (IN HOURS)** | | | **TOTAL CREDIT (L+T+P)** | **EXAMINATION SCHEME** | | | | |
| **THEORY MARKS** | | **PRACTICAL MARKS** | | **TOTAL** |
| **L** | **T** | **P** | **ESE** | **PA** | **ESE** | **PA** |
| **0** | **0** | **4** | **4** | **0** | **0** | **40** | **60** | **100** |
| **L: LECTURE, T: TUTORIAL, P: PRACTICAL, ESE: END SEMESTER EXAMINATION, PA: PROGRESSIVE ASSESSMENT** | | | | | | | | |
| **COURSE OUTCOMES:** | | | | | | | | |
| **CO1** | *Identify and Finalize problem statement by surveying variety of domains.* | | | | | | | |
| **CO2** | *Perform requirement gathering and analysis.* | | | | | | | |
| **CO3** | *Prepare software requirement specification Document.* | | | | | | | |
| **CO4** | *Identify design methodologies and draw various design diagrams.* | | | | | | | |

**CO-PO-PSO mapping**

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| **COs** | **POs** | | | | | | | |
| **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PSO1** |
| **CO1** | 2 | 2 | - | - | 2 | 2 | 2 | 2 |
| **CO2** | - | 2 | 2 | - | - | 2 | 2 | 2 |
| **CO3** | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| **CO4** | 2 | 2 | 2 | - | - | 2 | 2 | 2 |

***Signature of guide***

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| **Government Polytechnic, Jamnagar**  **Department of Computer Engineering** | | | |
| **Progressive Assessment of the Project-I** | | | |
| **Date** | **Work performed** | **Comments & suggestions** | **Sign of the guide** |
| 12/7/22 | Project title Confirmation. | ----------- |  |
| 19/7/22 | Research about related general Information. | Giving general guidance and direction of project |  |
| 26/7/22 | Finding relavent refrences and tools. | Refrences/tools sharing |  |
| 2/8/22 | Finalizing Requirements of Project. | Suggestion about order of completion and giving priority to functionalities. |  |
| 10/8/22 | Finalizing Features, characteristics, and Functionalities of project. | Suggestion aboutdrawbacks of features |  |
| 16/8/22 | Comparing project with similar systems available in the market. | Suggestion to add more unique features compared to other software in the market |  |
| 23/8/22 | Cost estimation, time analysis, (Feasibility analysis). | Suggestion about Finding Cost by Calculating prices of Domain, Database, online learning etc. |  |
| 30/8/22 | Abstract,Characteristics of Existing and Proposed system. | Suggestion about improvement of content and to compare modules of existing and proposed system instead of whole system. |  |
| 6/9/22 | Writing Scope and Calculating the process model to be applied. | Suggestion to expand the content of scope and guiding on process model selection |  |
| 13/9/22 | SRS Phase 1 | ----------- |  |
| 20/9/22 | SRS Phase 2 + User Based Modelling | Comments on changing contents of vision, and specific requirements. |  |
| 27/9/22 | Database Modelling | Suggestion to Improve ER diagram and changing format of data dictionary. |  |
| 4/10/22 | Test Case Design | Comment to include more test cases of different fields. |  |
| 11/10/22 | Structuring of UI|UX and General Wireframe | ----------- |  |
| 18/10/22 | Interface design and general walkthrough | Suggestion to use connected components/bootstrap. |  |

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| **Government Polytechnic, Jamnagar**  **Department of Computer Engineering** | | | | | | | | | | |
| **Project Evaluation** | | | | | | | | | | |
| **Sr. No.** | **Enrolment No.** | Innovation / New Technique adopted | Utility of the Project for industry/ Academia | Related survey (Industrial Shodh Yatra) of Industry / Society / Institutes for Problem Identification | Identification of thrust area and defining objectives with outcome | Methodology Related Study, literature review adopted | Presentation of work Plan / Action Plan and identification of Project | Report writing / Documentation of IDP | Preliminary Question - Answer and communication Skill | Total |
| **Allotted marks** | | **5** | **5** | **5** | **5** | **10** | **10** | **10** | **10** | **60** |
| 1 | 206250307001 |  |  |  |  |  |  |  |  |  |
| 2 | 206250307027 |  |  |  |  |  |  |  |  |  |
| 3 | 206250307030 |  |  |  |  |  |  |  |  |  |

***Signature of guide***

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| **Sr. No.** | **Marking Criteria** | **Very Poor** | **Poor** | **Average** | **Good** | **Excellent** | **Allotted Marks** |
| **Marking range** | **0 to 20%** | **20% to 40%** | **40% to 60%** | **60% to 80%** | **>80%** |
| **1** | Innovation / New Technique adopted | No effort | Effort but no innovation | Not innovative but using new techniques | innovative without using new techniques | Innovative with new techniques | **5** |
| **2** | Utility of the Project for industry/ Academia | Not useful | Not useful | May be utilised | Partially utilised | Fully utilised | **5** |
| **3** | Related survey (Industrial Shodh Yatra) of Industry / Society / Institutes for Problem Identification | No survey conducted | Poor attempt | Problem identified after doing partial survey | Problem identified after doing proper survey | Problem relevant to society or industry | **5** |
| **4** | Identification of thrust area and defining objectives with outcome | No such identification | Poor identification | Thrust area and outcomes partially identified | Thrust area and outcomes identified | Excellent relevant identified thrust areas and objectives | **5** |
| **5** | Methodology Related Study, literature review adopted | Haphazard study without literature reviews | Random study inappropriate literature reviews | Related study with partially done literature reviews | Related study with literature reviews | Defined methodology & literature reviews | **10** |
| **6** | Presentation of work Plan / Action Plan and identification of Project | No presentation | Poor presentation | Average presentation | Good presentation | Presentation with proper planning | **10** |
| **7** | Report writing / Documentation of IDP | Incomplete report | Report without proper content, formatting etc. | Appropriate report but still requires improvement | Appropriate report | Appropriate report with all supporting documents | **10** |
| **8** | Preliminary Question - Answer and communication Skill | Poor communication & no project relevant answers | Poor communication with partially relevant answers | Average understanding of the questions asked and answered | Good understanding of the questions asked and properly answered | Good understanding of each questions asked and good communication skill used in answering | **10** |

**Government Polytechnic, Jamnagar**

**Rubric for Progressive Project Assessment**

**GOVERNMENT POLYTECHNIC JAMNAGAR**

**COMPUTER ENGINEERING DEPARTMENT**

**AY 2022-2023**

**Subject Name & Code: Project-I (3350706)**

**List of work to be submitted:**

* Abstract
* Characteristics of existing system
* Characteristics of proposed system (how it differs from existing system?)
* Scope
* Process model with justification
* SRS
* User based modelling
* Data based modelling
* Test case design
* UI design – on paper / HTML/Photoshop
* Implementation (home, login, and registration pages)