
	<b>Sandip Foundations</b> <b>Sandip Institute of Engineering and Management</b> <b>Department of Computer Engineering</b>	 <b>SANDIP</b> <b>FOUNDATION</b>
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**Academic Year 20\_\_ - 20\_\_**

### **A. Projects Group selection and Guide allocation**

1. As per the existing curriculum, under Project-I which is in the VII semester, students are supposed to prepare a report as a prerequisite to the Project-II in the VIII Semester. Hence, the project selection, guide allocation is done at the VII semester itself.
2. A senior faculty member is nominated as department level project coordinator to coordinate the project selection, guide allocation and evaluation by the help of Project Evaluation Committee.
3. List of faculty members and their specializations, research areas will be communicated to the students. The information is disseminated via email, notice boards and display on the website. List of projects and their titles/themes should be identified and same may be communicated to all the students.
4. Students have to submit three recent research topics & out of them one topic selected by Project Evaluation Committee after Presentation.
5. It is to be ensured that no project group should have more than 4 students.
6. Not more than three groups should be allocated to each project guide.
7. To select project final decision should taken by Project Evaluation Committee.

### **B .Project classification and mapping with program outcomes and program specific outcomes. Projects may be broadly classified into the following categories.**

1. Application oriented: When the project is related to hardware, then all the components are procured and assembled to get the desired outcome.
  2. Research oriented: In this category extensive review of literature is done. This aims to learn new methods or procedures and validate results.
  3. Simulation projects: Which are mostly software based projects, where Students will identify the problem or application. Then they go for coding or simulation procedure to execute and then to obtain result.
- A team comprising Project coordinator along with Project Evaluation Committee should ensure that the projects are selected in such a way that the program outcomes and program specific outcomes are mapped with the themes of the project works.

- A document consisting of project titles, area of specialization, project guides should be prepared and submitted to the concerned Project Coordinator and should be put on the website. The theme of the work may be changed with the consent of the project guide.

### **C. Continuous monitoring mechanism and evaluation-**

1. Project slots should be allocated as per the existing scheme and curriculum.
2. A laboratory or a class room should be identified for executing the project works. It is preferred to have a separate laboratory for the purpose of conducting the project works.
3. Each project batch is allowed to consult their respective guide to discuss about their Progress during the project slot.
4. End of every month there will be a overall assessment of each project by the project coordinator and Project Evaluation Committee in association with project guides.
5. The performance of the students should be evaluated on a periodical basis (once in a week) and should be documented.
6. A department staff meeting should be conducted by Project Coordinator to discuss the performance of the students in the projects and should be documented.

### **D. Methodology to assess individual as well as collective Contribution/understanding of the project:**

1. The project guide should monitor the presence (attendance) of the each student in the project work.
2. Each student should give a power point presentation about their role in the project work after every 6 weeks.
3. The project guide should ensure that the batch allocated to him is able to understand the objectives of the project. He should also identify the requirements (hardware and software) of the project. If a particular software or hardware is not available, same may be communicated to the Project Coordinator and may be procured based on the financial and budgetary requirements.
4. Evaluation of the project is based on – Understanding the objectives of the project. – Day to day work done by the students (Should be documented) – Partial/Full completion of the project – The students presentation and demonstration – Results and documentation.
5. Evaluation is intimated to the students for further improvement.
6. At the end of the academic year, students will present and demonstrate their work again to Project Evaluation Committee constituted by Project Coordinator.

## **E. Project Demonstration**

1. At the end of VII & VIII semester, final viva is conducted as per the Savitribai Phule Pune University rules.
2. Project Evaluation should be conducted three times in between every SEM-VII & SEM-VIII
3. Students should demonstrate their project in front of a panel consisting of i. Project guide ii. Department project coordinator. iii. External examiner.
4. Working, test results and presentation of project is evaluated by the Panel.
5. Working models may be exhibited and communicated to the nearby schools and colleges for better dissemination of the knowledge to the public.

## **F. Papers published or Awards won**

1. It is encouraged for every project group to publish/communicate a paper in any national/international conference/journal for SEM-VII & SEM-VIII. The project guide may encourage the students so that the work of their group is published as a research paper.
2. Students must be given some awareness/training program for effective writing of a research paper. The research papers should be checked with anti-plagiarism software before the submission to the concerned journal or conference.
3. A report should be prepared by the concerned coordinator comprising all the research papers published and should be made available in the library and soft copies must be put on the website for availability to the students.

# Final Year Project Execution Flowchart

Project Coordinator

Project Evaluation Committee

Project Guide

Session on Project Execution Awareness & Presentation on Three Recent Topic Selection out of Three Recent Topic

Selection of One Project Topic

Base Paper & Synopsis Submission to Project Coordinator

Guide Allocation

Weekly update Project Workbook by Students & Guide

Project Review-I for SEM-I & SEM-II

Project Review-II for SEM-I & SEM-II

Project Review-III for SEM-I & SEM-II

Paper Publication or Participation & Project Competition Record

Correct Plagiarized Report Preparation for SEM-I & SEM-II

Final Submission & Report Collection for SEM-I & SEM-II

Dr. Kamini Shirsath

Project Coordinator