

# **PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**

## **Department of Information Technology**

### **Final Year Project Work**

Project Title	:	
Project Area	:	
Internal Guide	:	
Company Name (If Sponsored)	:	
External Guide	:	



**SAVITRIBAI PHULE PUNE UNIVERSITY**

Academic Year: **2020-21**

## Fourth Year of Information Technology (2015 Course)

### 414460: Project Phase-I

Teaching Scheme:

Credits: 02

Examination Scheme:

TUT: 02 Hours/Week

OR: 50 Marks

#### Prerequisites:

1. Project Based Seminar.

#### Course Objectives:

1. Student should be able implement their ideas/real time industrial problem/ current applications from their engineering domain.
2. Students should be able to develop plans with help of team members to achieve the project's goals.
3. Student should be able to break work down into tasks and determine appropriate procedures.
4. Student should be able to estimate and cost the human and physical resources required, and make plans to obtain the necessary resources.
5. Student should be able allocate roles with clear lines of responsibility and accountability and learn team work ethics.
6. Student should be able to apply communication skills to effectively promote ideas, Goals or products.

#### Course Outcomes:

By the end of the course, students should be able to

1. To show preparedness to study independently in chosen domain of Information Technology and programming languages and apply their acquired knowledge to variety of real time problem scenarios.
2. To function effectively as a team to accomplish a desired goal.
3. An understanding of professional, ethical, legal, security and social issues and responsibilities related to Information Technology Project.

#### Contents

Project Based Seminar (PBS) helped students to gather, organize, summarize and interpret technical literature with the purpose of formulating a project proposal in third year. Students had also submitted a technical report summarizing state-of-the-art on an identified domain and topic in third year. B.E. Projects can be application oriented and/or will be based on some innovative/ theoretical work. In Project Phase-I the student will undertake project over the academic year, which will involve the analysis, design of a system or sub system in the area identified earlier in the field of Information Technology and Computer Science and Engineering. In some cases; if earlier identified project is not feasible; a new topic must be formulated in consultation with the guide and project coordinator. The project will be undertaken preferably by a group of 3-4 students who will jointly work and Implement the project. The group will select a project which is based on seminar delivered in relevant domain in Project based Seminar activity with approval from a committee formed by the department of senior faculty to check the feasibility and approve the topic.

## Guidelines for Students and Faculty

- The Head of the department/Project coordinator shall constitute a review committee for project group; project guide would be one member of that committee by default.
- There shall be two reviews in Project phase –I in semester-I by the review committee.
- The Project Review committee will be responsible for evaluating the timely progress of the projects.
- As far as possible Students should finalize the same project title taken for Project Based Seminar (PBS).
- Student should Identify Project of enough complexity, which has at least 4-5 major functionalities
- Student should identify stakeholders, actors and write detail problem statement for system
- Review committee should revisit “Feasibility Review” conducted by Examiners during Oral examination in Third year in first week after commencement of the term.
- Review committee should finalize the scope of the project.
- If change in project topic is unavoidable then the students should complete the process of
- Project approval by submitting synopsis along with the review of important papers. This new
- Project topic should be approved by review committee.
- The students or project group shall make presentation on the progress made by them before the committee.
- The record of the remarks/suggestions of the review committee should be properly maintained and should be made available at the time of examination.
- Each student/group is required to give presentation as part of review for 10 to 15 minutes followed by a detailed discussion.
- Students should Revisit and Reassess the problem statement mentioned in the project-based seminar activity.

### Review 1: Synopsis –

Deliverables:

1. The precise problem statement/title based on literature survey and feasibility study.
2. Purpose, objectives and scope of the project.
3. List of required hardware, software or other equipment for executing the project, test Environment/tools, cost and human efforts in hours.
4. System overview- proposed system and proposed outcomes.
5. Architecture and initial phase of design (DFD).
6. Project plan 1.0.

### Review 2: SRS –

Deliverables:

1. SRS and High level design
2. Detail architecture/System design/algorithms/techniques
3. At least 30-40% coding documentation with at least 3 to 4 working modules

#### 4. Test Results

#### 5. Project plan 2.0

One paper should be published in reputed International conference/International journal based on project work done.

### **Project report contains the details as Follows:**

Contents

List of Abbreviations

List of Figures

List of Graphs

List of Tables

1. Introduction and aims/motivation and objectives
2. Literature Survey
3. Problem Statement/definition
4. Project Requirement specification
5. Systems Proposed Architecture
6. High level design of the project(DFD/UML)
7. System implementation-code documentation-algorithm, methodologies, protocols used.
8. GUI/Working modules/Experimental Results
9. Project Plan
10. Conclusions
11. Bibliography in IEEE format

Appendices

- A. Plagiarism Report of Paper and Project report from any open source tool
- B. Base Paper(s)
- C. Tools used
- D. Papers Published/Certificates
- E. Use appropriate plagiarism tools, reference managers, Latex Lyx/latest Word for efficient and effective project writing.
  - Use appropriate plagiarism tools, reference managers, Latex Lyx/latest Word for efficient and effective project writing.

### **Term Work:**

The term work will consist of a report and presentation prepared by the student on the project allotted to them.

### **Reference Books**

1. UML2 Bible by Tom Pender, Wiley India Pvt. Limited 2011
2. Applying UML and Patterns Second Edition by Craig Larman, Pearson Education
3. UML 2 and the Unified Process, Second Edition, JIM Arlow, Ila Neustadt, Pearson
4. Design Patterns: Elements of Reusable Object Oriented Software, Erich Gamma, Pearson
5. Design Patterns in Java Second Edition by Steven John Metsker, Pearson

All the assignments should be conducted on Latest version of Open Source Operating Systems, tools and Multi-core CPU supporting Virtualization and Multi-Threading

## Fourth Year of Information Technology (2015 Course)

### 414468: Project Work

Teaching Scheme:

Credits: 06

Examination Scheme:

TUT: 06 Hours/Week

TW Marks  
OR: 100 Marks

#### Prerequisites:

1. BE-Project Phase I – Semester I.
2. Project Based Seminar.

#### Course Objectives:

1. The object of Project Work II & Dissertation is to enable the student to extend further the investigative study taken up under Project stage 1, either fully theoretical/practical or involving both theoretical and practical work, under the guidance of a Supervisor from the Department alone or jointly with a Supervisor drawn from R&D laboratory/Industry.
2. To expose students to product development cycle using industrial experience, use of state of art technologies.
3. To encourage and expose students for participation in National/International paper presentation activities and funding agency for sponsored projects.
4. Exposure to Learning and knowledge access techniques using Conferences, Journal papers and anticipation in research activities.
5. Evaluate the various validation and verification methods.
6. Analyzing professional issues, including ethical, legal and security issues, related to computing projects.

#### Course Outcomes:

By the end of the course, Students will be able to

1. Learn teamwork.
2. Be well aware about Implementation phase.
3. Get exposure of various types of testing methods and tools.
4. Understand the importance of documentation.

#### Contents

##### Review 3:

Based on Implementation (50% implementation expected)

##### Review 4:

Complete Project and Testing

All the groups should try to overcome all the lacunas identified by the external examiner during Project Phase I exam

The group will submit following at the end of semester II.

1. The Workable project.
2. Project report (in Latex/Lyx/latest Word) in the form of bound journal complete in all respect – 1 copy for the Institute, 1 copy for guide and 1 copy of each student in the group for certification.

The project report contains the details.

1. Problem definition
2. Requirement specification
3. System design details (UML diagrams)
4. System implementation – code documentation – dataflow diagrams/ algorithm, protocols used.
5. Test result and procedure – test report as per ATP.
6. Conclusions.
7. Appendix
  - a. Tools used
  - b. References
  - c. Papers published/certificates
  - d. Plagiarism Report of paper and project report from any open source tool

One paper should be published in reputed International conference/International.

**Savitribai Phule Pune University**  
**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**

**Department of Information Technology**

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# SEMESTER - I



# **PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**

## **Department of Information Technology**

### **UNDERTAKING BY STUDENTS**

We, the students of B.E.I.T. are hereby assure that we will follow all the rules and regulations of SPPU related to the project work for the academic year 2017-18. The Project entitled-

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will be fully designed and developed by us and no part of the project/full project will be designed and developed by any external entity or copied from some external resources. We are fully aware that copying or taking help of any external agency in the development of our project is totally unethical and illegal. The examiners have /University has full rights to initiate an action against us as per University norms if involved in unfair/illegal/unethical work.

<b>Sr. No</b>	<b>Roll No.</b>	<b>Name of Student</b>	<b>Signature</b>

**Savitribai Phule Pune University, Pune**

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**

**Department of Information Technology**

**(With effect from Academic Year 2020-21)**

## **Rules & Regulations**

1. All students must enter the correct information in the work book.
2. All the entries in the project work book must be verified by the concerned project guide.
3. Students must report to their respective guide on project day as per the time table.
4. Activities of the project work should be completed as per the project plan only.
5. Project group must submit soft copies of Project Abstract, Project Report and Publications in PDF format only.
6. Project group members submit **two** hard copies of Project Report in the format provided by department.
7. Project work book must be brought at the time of Project Reviews & Project Examination.
8. Any changes, if any, must be countersigned by the concerned project guide.
9. For project reviews and project examination, all students must report 15 minutes before the scheduled time.
10. For any query, concerned guide should be consulted.

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE****Department of Information Technology****(Academic Year: 2020-21)****Project Group No. :A1-College Code (e.g.A1-23)****Project Title****GROUP DETAILS:**

Sr. No.	Roll No.	Name of the Student	Mobile No.	Email id	T.E. Result
1					
2					
3					
4					

Name &amp; Signature Internal Guide

Name & Signature of External Guide  
(if applicable)Signature of Head of  
Department

Mobile No. :

Mobile No. :

Department of Information  
Technology

Email id :

Email id :

Company Name :

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**  
**Department of Information Technology**  
**(Academic Year: 2020-21)**

<b>Project Title :</b>			
<b>Project Group No. :</b>		<b>Guide Name :</b>	
<b>GROUP MEMBERS:</b>			
<b>Roll No. / Seat No.</b>	<b>Name of Student</b>	<b>Project Area</b>	<b>Project Platform</b>
<b>(Please Note : Remove the following guidelines and copy your Abstract)</b>			
<b>Abstract</b>			
<b>Abstract Content</b>			
<p>An abstract is an outline/brief summary of your whole project. It should include key points of introduction, methods, results and conclusions. It highlights major points of your project and answers why this work is important, what is your motivation. Most informative abstracts have following key parts.</p> <ul style="list-style-type: none"><li>a. Background</li><li>b. Aim or Purpose of Project</li><li>c. Method Used</li><li>d. Findings / Results</li><li>e. Conclusion</li></ul> <p><b>Do not include any charts, tables, figures, or spreadsheets in the abstract body.</b></p> <p><b>Guidelines for Abstract</b></p> <ul style="list-style-type: none"><li>• In Microsoft Word format</li><li>• In Calibri font, size 11</li><li>• No more than 300 words approximately in length</li><li>• Single-spaced and a single paragraph</li></ul> <p><b>Abstract File Name : college code   space   Group id e.g. 23 A1</b></p>			

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**  
**Department of Information Technology**  
**(Academic Year: 2020-21)**

**Semester - I**

**Monthly Planning Sheet**

**Academic Year:**

Week No.	Activity Planned	Activity Completed Status	Student Signature	Guide Signature
Week 1				
Week 2				
Week 3				
Week 4				
Week 5				
Week 6				
Week 7				
Week 8				
Week 9				
Week 10				
Week 11				
Week 12				

Project Coordinator

Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.**  
**Department of Information Technology**

**PROJECT REVIEW – I**  
**(Academic Year: 2020-21)**

Group Id :				Date :	
Project Title :					
Sr.No.	Roll No.	Student Name	Contact Details	Internal / External Guide Details	
1				Guide Name :	
2				Mentor Name, email & Mobile No. :	
3					
4					

**REVIEW – I CHECKLIST : FINALIZATION OF SCOPE**

**25 Marks**

<b>PROJECT STATEMENT</b>	
1. Is the statement short and concise (10-20 words maximum)?	Y / N / NA / NC*
2. Does the statement gives clear indication about what your project will accomplish?	Y / N / NA / NC*
3. Can a person who is not familiar with the project understand scope of the project by reading the Project Problem Statement?	Y / N / NA / NC*
<b>REQUIREMENT: SCOPE AND OBJECTIVES</b>	
Does the Scope and Objectives establish the "context" for the proposed project by referencing to the following elements:	
a. Are all aspects of the requirements document (i.e., Functional Spec.) addressed in the design?	Y / N / NA / NC*
b. Is the architecture / block diagram well defined and understood?	Y / N / NA / NC*
c. The project's objective of study (what product, process, resource etc.) is being addressed?	Y / N / NA / NC*
d. The project's purpose is the purpose of project addressed properly (why it's being pursued: to evaluate, reduce, increase, etc.)?	Y / N / NA / NC*
e. The project's viewpoint: Is the project's viewpoint is understood? (Who is the project's end user)?	Y / N / NA / NC*
f. Is the project goal statement in alignment with the sponsoring organization's business goals and mission?	Y / N / NA / NC*
<b>ANALYSIS</b>	
1. Is information domain analysis complete, consistent and accurate?	Y / N / NA / NC*
2. Is problem statement categorized in identified area and targeted towards specific area therein?	Y / N / NA / NC*
3. Are external and internal interfaces properly defined?	Y / N / NA / NC*
4. Does the Use Case Model properly reflect the actors and their roles and responsibilities?	Y / N / NA / NC*
5. Are all requirements traceable to system level?	Y / N / NA / NC*
6. Is similar type of methodology / model is used for existing work?	Y / N / NA / NC*
7. Are requirements consistent with schedule, resources, and budget?	Y / N / NA / NC*

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – I**  
**(Academic Year: 2020-21)****STUDENT PERFORMANCE EVALUATION**

<b>Students' Contribution and Performance</b>				
<b>Particulars</b>	<b>Marks(25M)</b>			
	<b>Group Members</b>			
	1	2	3	4
1. Background and Topic (4 M)				
2. Project Scope and Objectives (4M)				
3. Literature Survey (5 M)				
4. Project Planning (4 M)				
5. Presentation Skills (4 M)				
6. Question and Answer (4 M)				
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide &amp; reviewer(s) only.

\* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Review – I: Deliverables**

<ul style="list-style-type: none"> <li>• Problem Statement / Title</li> <li>• Purpose, Scope, Objectives</li> <li>• Abstract (System Overview)</li> <li>• Introduction (Architecture and High-Level Design)</li> </ul>	<ul style="list-style-type: none"> <li>• H/W, S/W &amp; other requirement, Test Environment/Tools</li> <li>• Literature Survey</li> <li>• References</li> <li>• Project Plan 1.0 (<b>Gantt Chart</b>)</li> </ul>
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Name &amp; Signature of evaluation committee –

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****RESEARCH PUBLICATION REVIEW – I****(Academic Year: 2020-21)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr. No.</b>	<b>Roll No.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**RESEARCH PUBLICATION REVIEW – I CHECKLIST****25 Marks**

Publication based on the Proposed Methodology	
1. Is the Problem Clearly defined and concise? (Which Challenge / issue is addressed by this research?)	Y / N / NA / NC*
2. Is Abstract precisely written and are Keywords correctly identified?	Y / N / NA / NC*
3. Is motivation/significance of the research work is defined?	Y / N / NA / NC*
4. Is Literature Survey comprehensive, systematic?	Y / N / NA / NC*
5. Is comparative analysis demonstrated through implementation?	Y / N / NA / NC*
6. Is new methodology/algorithm proposed precisely?	Y / N / NA / NC*
7. Does the system architecture/ workflow diagram match the proposed methodology?	Y / N / NA / NC*
8. Is conclusion with future scope communicated effectively?	Y / N / NA / NC*
9. Is plagiarism checked?	Y / N / NA / NC*
10. Are the WoS /Scopus indexed and /or UGC listed international journals and/or Scopus indexed international conferences identified?	Y / N / NA / NC*



**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****RESEARCH PUBLICATION REVIEW – I****(Academic Year: 2020-21)****STUDENT PERFORMANCE EVALUATION**

<b>Students' Contribution and Performance</b>				
<b>Particulars</b>	<b>Marks(25M)</b>			
	<b>Group Members</b>			
	1	2	3	4
1. System Architecture & Literature Survey (Review-I)	Y/N	Y/N	Y/N	Y/N
2. Precise Title, Abstract and Keywords (2 M)				
3. Motivation and scope of research work (2 M)				
4. Literature Survey and identification of research gap (5 M)				
5. Proposed Methodology /Algorithm/System Architecture (5M)				
6. Effective Conclusion and Future Scope (2 M)				
7. Relevant References (3 M)				
8. Effective Technical Writing and Presentation Skills (4 M)				
9. Originality (Plagiarism <20%) (2M)				
10. Identification of quality journals/international conferences	Y/N	Y/N	Y/N	Y/N
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide &amp; reviewer(s) only.

\* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Research Publication Review – I: Deliverables**

<ul style="list-style-type: none"> <li>Paper Title, Abstract and keywords</li> <li>Introduction</li> <li>Literature Survey</li> <li>Proposed Methodology/ Algorithm</li> <li>System Architecture/ Workflow Diagram</li> </ul>	<ul style="list-style-type: none"> <li>Conclusion and Future Scope</li> <li>References</li> <li>Identified WoS /Scopus indexed and /or UGC listed international journals and/or Scopus indexed international conferences.</li> </ul>
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Name &amp; Signature of evaluation committee –

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – II****(Academic Year: 2020-21)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr. No.</b>	<b>Roll No.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**REVIEW – II CHECKLIST : DESIGN****25 Marks**

DESIGN	
1. Are requirements reflected in the system architecture?	Y / N / NA / NC*
2. Does the design support both project (product) and project goals?	Y / N / NA / NC*
3. Does the design address all the issues from the requirements?	Y / N / NA / NC*
4. Is effective modularity achieved and modules are functionally independent?	Y / N / NA / NC*
5. Are structural diagrams (Class, Object, etc.) well defined and understood?	Y / N / NA / NC*
6. Are all class associations clearly defined and understood? (Is it clear which classes provide which services)?	Y / N / NA / NC*
7. Are the classes in the class diagram clear? (What they represent in the architecture design document?)	Y / N / NA / NC*
8. Is inheritance appropriately used?	Y / N / NA / NC*
9. Are the multiplicities in the use case diagram depicted in the class diagram?	Y / N / NA / NC*
10. Are behavioral diagrams (use case, sequence, activity, etc.) well defined and understood?	Y / N / NA / NC*
11. Is aggregation/containment (if used) clearly defined and understood?	Y / N / NA / NC*
12. Does each case have clearly defined actors and input/output?	Y / N / NA / NC*
13. Is all concurrent processing (if used) clearly understood and reflected in the sequence diagrams?	Y / N / NA / NC*
14. Are all objects used in sequence diagram?	Y / N / NA / NC*
15. Does the sequence diagram match class diagram?	Y / N / NA / NC*
16. Are the symbols used in all diagrams correspond to UML standards?	Y / N / NA / NC*

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – II****(Academic Year: 2020-21)****STUDENT PERFORMANCE EVALUATION**

<b>Students' Contribution and Performance</b>				
<b>Particulars</b>	<b>Marks(25M)</b>			
	<b>Group Members</b>			
	1	2	3	4
1. System Architecture & Literature Survey (Review-I)	Y/N	Y/N	Y/N	Y/N
2. Project Design (5 M)				
3. Methodology /Algorithms and Project Features (5 M)				
4. Project Planning (2 M)				
5. Basic details of Implementation (5 M)				
6. Presentation Skills ( 4 M)				
7. Question and Answer (4 M)				
8. Summarization of ultimate findings of the Project	Y/N	Y/N	Y/N	Y/N
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide &amp; reviewer(s) only.

\* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Review – II: Deliverables**

<ul style="list-style-type: none"> <li>• Problem Statement / Title</li> <li>• Abstract</li> <li>• Introduction</li> <li>• Literature Survey (comparison with existing system)</li> <li>• Methodology</li> <li>• Design / algorithms / techniques used</li> </ul>	<ul style="list-style-type: none"> <li>• Modules Split-up</li> <li>• Proposed System</li> <li>• Software Tools / Technologies to be used</li> <li>• Proposed Outcomes</li> <li>• Partial Report (Semester – I)</li> <li>• Project Plan 2.0 (Gantt Chart)</li> </ul>
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Name &amp; Signature of evaluation committee -

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****ACHIEVEMENTS****(Academic Year: 2020-21 Semester-I)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr.No.</b>	<b>Roll No.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**Project Competition/ Exhibition**

Sr.No.	Name & Place of Project Competition/ Exhibition	Date	Prizes won (if any) or Participation	State / National/ International Level

**Paper Publication/ Presentation**

Sr. No.	Paper Title	Authors	Date	Journal/Conference Name	Indexing	DOI

### Patent Details

Sr. No	Name of the Patent Holder	Patent No	Title of the Patent	Type of Patent	Status of Patent	Any other information

**Any other achievement:**

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**\* Photocopy of the certificate must be attached to this booklet.**

Name & Signature of Internal Guide

# SEMESTER - II

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, Pune.**  
**Department of Information Technology**  
**(Academic Year : 2020-21)**

**Semester - II**

**Monthly Planning Sheet**

**Academic Year:**

Week No.	Activity Planned	Activity Completed Status	Student Signature	Guide Signature
Week 1				
Week 2				
Week 3				
Week 4				
Week 5				
Week 6				
Week 7				
Week 8				
Week 9				
Week 10				
Week 11				
Week 12				

Project Coordinator

Internal Guide

# PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.

## Department of Information Technology

### PROJECT REVIEW – III

(Academic Year: 2020-21)

Group Id :				Date :	
Project Title :					
Sr.No.	Roll No.	Student Name	Contact Details	Internal / External Guide Details	
1				Guide Name :	
2				Mentor Name, email & Mobile No. :	
3					
4					

### REVIEW – III : IMPLEMENTATION

25 Marks

IMPLEMENTATION (SOURCE CODE REVIEW CHECKLIST)	
<b>a. Structure</b>	
1. Does the code completely and correctly implement the design?	Y / N / NA / NC*
2. Does the code comply with the Coding Standards?	Y / N / NA / NC*
3. Is the code well-structured, consistent in style, and consistently formatted?	Y / N / NA / NC*
4. Does the implementation match the design?	Y / N / NA / NC*
5. Are all functions in the design coded?	Y / N / NA / NC*
<b>b. Documentation</b>	
1. Is the code clearly and adequately documented?	Y / N / NA / NC*
2. Are all comments consistent with the code?	Y / N / NA / NC*



**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – III****(Academic Year: 2020-21)****STUDENT PERFORMANCE EVALUATION**

Students' Contribution and Performance				
Particulars	Marks(25M)			
	Group Members			
	1	2	3	4
1. Architecture / System Design -(if any modification)	Y/N	Y/N	Y/N	Y/N
2. 60 % Implementation (10 M)				
3. Partial results obtained ( 7 M)				
4. Presentation skills (4 M)				
5. Question and Answer ( 4 M)				
6. Summarize the methodologies / Algorithms implemented / to be implemented	Y/N	Y/N	Y/N	Y/N
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide &amp; reviewer(s) only.

\* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Review – III: Deliverables**

- Detailed Design (if any deviation)
- 60% of code implementation
- Some Experimental Results
- Project Plan 3.0

Name &amp; Signature of evaluation committee -

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****RESEARCH PUBLICATION REVIEW – II****(Academic Year: 2020-21)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr. No.</b>	<b>Roll No.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**RESEARCH PUBLICATION REVIEW – II CHECKLIST****25 Marks**

Publication based on the Experimentation Results	
1. Is the Problem Clearly defined and concise? (Which Challenge / issue is addressed by this research?)	Y / N / NA / NC*
2. Is Abstract precisely written and are Keywords correctly identified?	Y / N / NA / NC*
3. Is motivation/significance of the research work is defined?	Y / N / NA / NC*
4. Is Literature Survey comprehensive, systematic?	Y / N / NA / NC*
5. Is contribution of the research work is clearly described?	Y / N / NA / NC*
6. Is new methodology/algorithm proposed precisely?	Y / N / NA / NC*
7. Does the system architecture/ workflow diagram match the proposed methodology?	Y / N / NA / NC*
8. Are the experimentation setup and results discussed systematically?	Y / N / NA / NC*
9. Is the empirical study compares the results with the state-of-the-art algorithms?	Y / N / NA / NC*
10. Is conclusion with future scope communicated effectively?	Y / N / NA / NC*
11. Is plagiarism checked?	Y / N / NA / NC*
12. Are the WoS /Scopus indexed and /or UGC listed international journals and/or Scopus indexed international conferences identified?	Y / N / NA / NC*

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****RESEARCH PUBLICATION REVIEW – II****(Academic Year: 2020-21)****STUDENT PERFORMANCE EVALUATION**

<b>Students' Contribution and Performance</b>				
<b>Particulars</b>	<b>Marks(25M)</b>			
	<b>Group Members</b>			
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1. Implementation (Review-III)	Y/N	Y/N	Y/N	Y/N
2. Precise Title, Abstract and Keywords (2 M)				
3. Motivation and contribution of research work (2 M)				
4. Literature Survey and identification of research gap (2M)				
5. Proposed Methodology /Algorithm/System Architecture (4M)				
6. Experimentation Results and Empirical Analysis (5M)				
6. Effective Conclusion and Future Scope (2 M)				
7. Relevant References (2 M)				
8. Effective Technical Writing and Presentation Skills (4 M)				
9. Originality (Plagiarism <20%) (2M)				
10. Identification of quality journals/international conferences	Y/N	Y/N	Y/N	Y/N
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide &amp; reviewer(s) only.

\* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Research Publication Review – I: Deliverables**

<ul style="list-style-type: none"> <li>Paper Title, Abstract and keywords</li> <li>Introduction</li> <li>Literature Survey</li> <li>Proposed Methodology/ Algorithm</li> <li>System Architecture/ Workflow Diagram</li> </ul>	<ul style="list-style-type: none"> <li>Experimentation Results and Empirical Analysis</li> <li>Conclusion and Future Scope</li> <li>References</li> <li>Identified WoS /Scopus indexed and /or UGC listed international journals and/or Scopus indexed international conferences.</li> </ul>
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Name &amp; Signature of evaluation committee –

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – IV****(Academic Year: 2020-21)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr.No.</b>	<b>Roll No.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**REVIEW – IV : (25 Marks)**

IMPLEMENTATION AND TESTING	
1. Is every feature tested?	Y / N / NA / NC*
2. Are all functions, user screens and navigation tested? (e.g. module, object, integration, usability, system)	Y / N / NA / NC*
3. Are test cases designed? (manual and automated)	Y / N / NA / NC*
4. Is testing tool used?	Y / N / NA / NC*
5. Is result analysis done properly and appropriate conclusion drawn?	Y / N / NA / NC*
6. Implementation status ( code completion in percentage)	
7. Final thesis status( in percentage)	

**FILL IN BRIEF**

Final results are known or not? :

Quality of Presentation :

List the chapter numbers of final report :

Project Completion Date :

Final Report Submission Date :

**General**

Is the LOG BOOK of project up-to-date and signed?

- NC – Not Clear
- NA – Not Applicable

# PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.

## Department of Information Technology

### PROJECT REVIEW – IV (Academic Year: 2020-21)

#### STUDENT PERFORMANCE EVALUATION

Students' Contribution and Performance				
Particulars	Marks(25M)			
	Group Members			
	1	2	3	4
1. Implementation (100%) (5 M)				
2. Testing, Results and Performance Evaluation (5 M)				
3. Final Project Report (5 M)				
4. Publications (2 M)				
5. Presentation skills (4 M)				
6. Question and Answer (4 M)				
<b>Total(25M)</b>				
<b>Comments (if any)</b>				

# To be filled by internal guide & reviewer(s) only.

\* Whether the presentation/evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

#### Review – IV: Deliverables

- Detailed Design
- 100% of code implementation
- Experimental Results
- Performance Evaluation
- Test Cases
- Result Analysis and Conclusion
- Final Thesis
- Project Plan 4.0

Name & Signature of evaluation committee -

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****PROJECT REVIEW – I to IV****(Academic Year: 2020-21)****Summary of Project Work Evaluation Sheet**

Sr. No.	Roll No. / Exam. No.	Name of the Student	I	II	III	IV	Total	Student Signature
1								
2								
3								
4								

**Overall Remarks or Comments (if any)**

Name of Reviewer 1

Name of Reviewer 2

Name of Internal Guide

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE.****Department of Information Technology****ACHIEVEMENTS****(Academic Year: 2020-21 Semester-II)**

<b>Group Id :</b>				<b>Date :</b>
<b>Project Title :</b>				
<b>Sr.No.</b>	<b>RollNo.</b>	<b>Student Name</b>	<b>Contact Details</b>	<b>Internal / External Guide Details</b>
1				Guide Name :
2				Mentor Name, email & Mobile No. :
3				
4				

**Project Competition/ Exhibition**

Sr.No.	Name & Place of Project Competition/ Exhibition	Date	Prizes won (if any) or Participation	State / National/ International Level

**Paper Publication/ Presentation**

Sr. No.	Paper Title	Authors	Date	Journal/Conference Name	Indexing	DOI

### Patent Details

Sr. No.	Name of the Patent Holders	Patent No	Title of the Patent	Type of Patent	Status of Patent	Any other information

**Any other achievement:**

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**\* Photocopy of the certificate must be attached to this booklet.**

Name & Signature of Internal Guide