

PRATHYUSHA ENGINEERING COLLEGE PROJECTS DIVISION

Vision:

To enhance the legacy of the past with the present technocrats.

Mission:

To emerge as one of the best innovative Project Divisions by

1. Providing a learning by experimenting environment
2. Developing and incubating innovative projects through technology transfer initiatives
3. Building Entrepreneurship skills among the students through collaboration

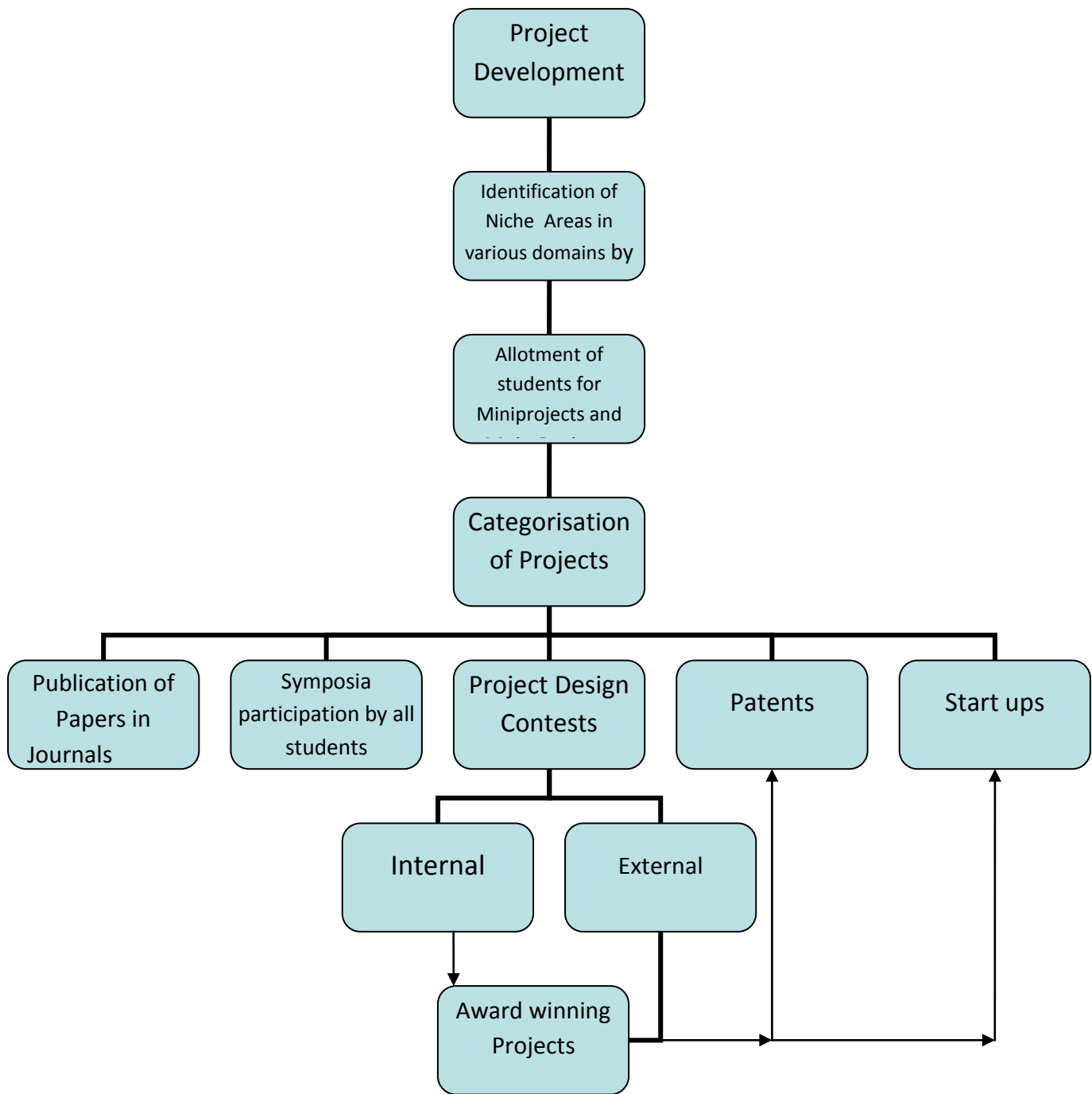
Objectives:

1. To build a hands on learning environment thereby strengthening the knowledge of the students while in campus.
2. To enable the students to narrow down their fields of interests through implementation of projects in specified domains.
3. To enable the students to identify their career and to channelize them in their decision making.
4. To build and strengthen the entrepreneurship skills of the students.
5. To increase the research publications of students and faculty through design and development of Research projects with global standards.

Members of the Division:

1. Dr. Ramesh P.L.N., Principal- Chairperson of the Project Division
2. Overall Project Coordinator
3. Heads of all the Departments
4. Department Project Coordinators
5. Department MiniProject Coordinators

Flow process:



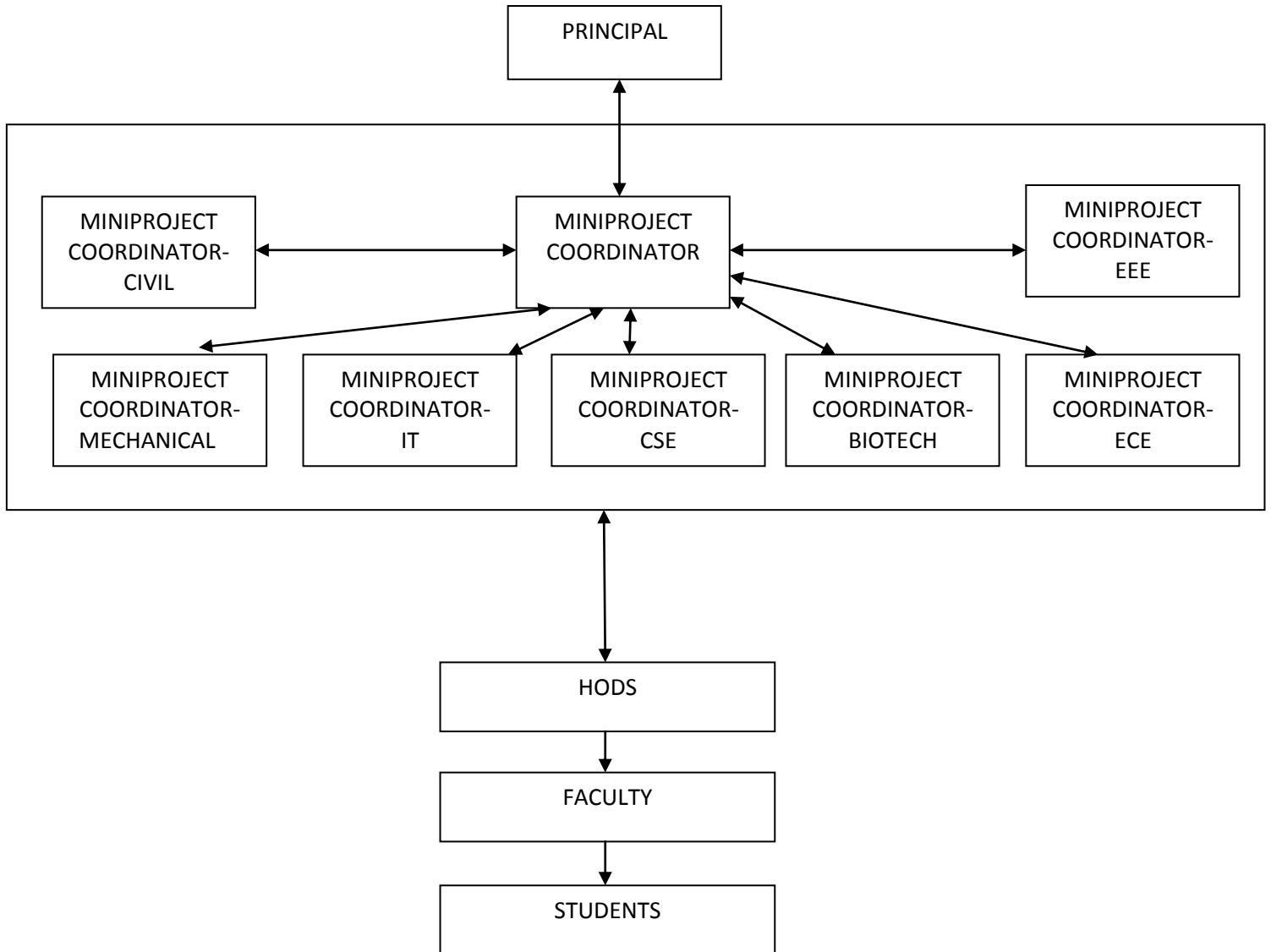


ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

STANDARD OPERATING PROCEDURE MINPROJECTS AND PROJECTS MINIPROJECTS/PROJECTS

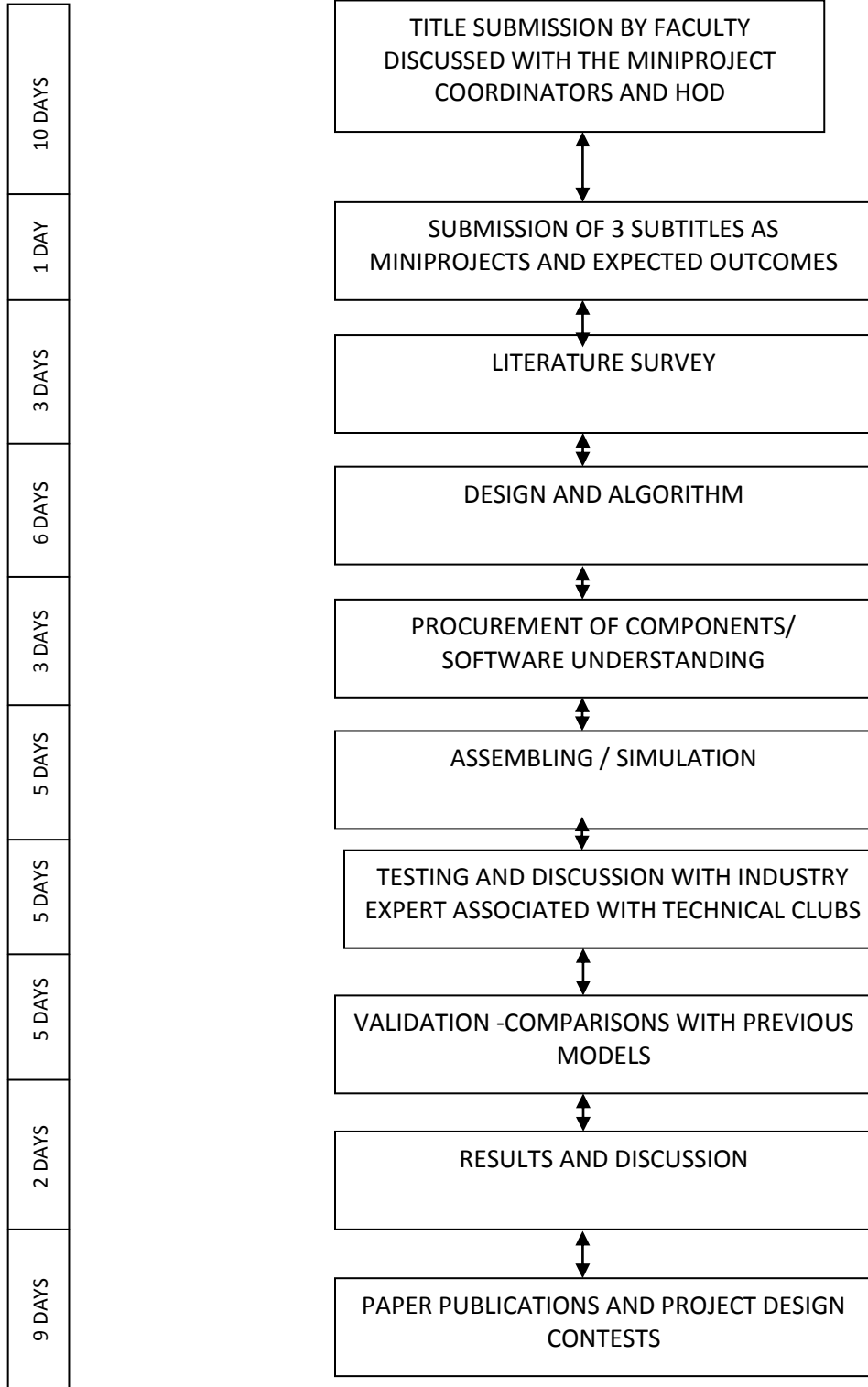
HIERARCHY OF COMMUNICATION





TIMELINE

FLOW OF EXECUTION





PRATHYUSHA ENGINEERING COLLEGE

ESTD. 2001

CRITERIA FOR SELECTING STUDENT MEMBERS

ALLOTMENT OF MINIPROJECTS

It is suggested to allot miniproject to the respective Technical Club members so that the students would have relevant interaction with the Industry Resource Persons during Industry Expert Interaction (IEI) and also undergo Workshops that would build the interest and knowledge of the students in a specific domain.

1. All faculty should be technical club coordinators.
2. All Technical Clubs should be associated with an Industry through an MoU
3. Members of the Miniproject should belong to an exclusive Technical Club.
4. Mentoring should be done by the respective Technical Club Members.
5. Schedule and usage of resources should be planned by the Technical Club coordinators

PROCEDURE FOR SELECTING A TEAM

1. One final year team with 3 members per team would be allotted to a faculty.
2. Three other teams with a mixture of II and III year students would be combined to complete the Miniproject effectively.
3. Tasks should be divided among the teams by the respective Faculty Team Coordinator

TEAM INTERACTION

1. All faculty should open a slack account and interact with the students.
2. All faculty inturn should submit their progress through slack account linked centrally.
3. The report of submission and non submission will be published regularly.

DETAILS OF PUBLICATIONS

1. Faculty should list at least 3 names of journals they are planning to publish and retrieve the formats for publishing the same.
2. The final publication would be tested for plagiarism before publication.
3. There should be compulsorily one publication per faculty in all the departments.
4. Freshers (faculty) can start writing papers for Conferences in IEEE format.

AWARDING OF MARKS FOR MINIPROJECTS:

A Maximum of 10 Marks will be awarded for each Miniproject during the review process and at the end of the Miniproject Exhibition and these marks would be awarded for the students and distributed equally for each student accordingly in all the Laboratories.

DEADLINES SHOULD BE FOLLOWED BY THE STUDENTS AND FACULTY SHOULD ENSURE THE SAME.



SUBMISSIONS

1. **ABSTRACT - 150 WORDS**- Content should have art of work- contemporary technology- proposed methodology and expected outcome
2. **LITERATURE SURVEY WITH BACK PAPERS**- Atleast 10 backpapers with comparative study and references.
3. **DESIGN AND ARCHITECTURE**- previous design and proposed design
4. **ALGORITHM**- Mathematical expressions and interpretations along with detailed algorithm explanation.
5. **PROGRAMME/ PCB WITH COMPONENTS- PHOTO**
6. **ASSEMBLY/ EXECUTION OF PROGRAMS- RESULTS/ DEBUGGING OF ERRORS**
7. **TESTED OUTPUTS**
8. **VALIDATION OF OUTPUTS BY INDUSTRY EXPERT**- Suggestions by the Industry Expert
9. **PUBLICATION CONTENT BY ALL THE THREE TEAMS**- To be verified using Plagiarism software.
10. **PATENT PUBLICATION**

CONTENTS

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PERSONAL DATA

Name of the students:				
1.		3.		
2.		4.		
Univ.Reg.No		Degree		Branch
Project Title				
Venue of the Project	Inhouse / Company			
Name of the Guide				
Review	0	1	2	3(Final)
Dates				
Date of commencement	Expected date of completion		Actual date of completion	
Date of Submission of Draft Report/Demo	Date of Approval of Draft Report/Demo		Date of Approval of Final Report/Demo	
In case of Company Projects				
Name of the company in which the student has been permitted to the project:				
Address of the registered office of the company:				
Guide details	Internal		External	
Name of the Guide				
Designation				
Department				
Qualification				
Experience				
Contact Phone				
Fax				
Email				

TABLE 1: PROJECT PLANNER

Sl.No.	Description	Time Requirement (in days)	Cumulative Time
1.	Abstract	1	1
2.	Literature survey	3	4
3.	Data collection/ Design	6	10
4.	Procurement of materials	2	12
5.	Assembling	5	17
6.	Testing	5	22
7.	Validation	5	27
8.	Publication & THESIS WRITING	9	36
	Total	36	

TABLE 2: ACTIVITY SCHEDULE FOR REVIEW PRESENTATION

SI	Review No.	Activity / work completion	Contents of PPT	Remarks
1.	0 th Review	<ul style="list-style-type: none"> Title of the Project One page write-up (Abstract) Company name and address in case of external project Company willingness – Certificate Name and contact details of Internal & External guides 	Title of the Project Name of the Guide Abstract Block Diagram Software and Hardware required	3 to 5 slide 10% completion
2.	1 st Review	<ul style="list-style-type: none"> Literature collection Definition of methodology Abstract of Literature Survey and justification of Choice of the Project 	Literature Survey with base paper and reference to the proposed project	4 slides- 20 % Completion
3.	2 nd Review	<ul style="list-style-type: none"> Design of experimental set-up. Fabrication of experimental set-up and data acquisition system. Preparation of model and analysis. 	Design, Algorithm & Architecture	70% Completion
4.	3 rd Review	<ul style="list-style-type: none"> Comparison of results & presenting the conclusion with suitable graphs. Results & observations. Working model 	Results Conclusion Comparison with previous methods	85% Completion
5.	Final Review	<ul style="list-style-type: none"> A draft copy of the paper based on the project outcome, for publication along with the guide. 	Full Content of Project Conference/Journal Paper/ Both	100% Completion

- **The presentation should be done by using PPT- PPT Template would be provided by the respective Project Coordinator.**

TABLE 3: Weightage of Marks for each Review

Review No.	Marks
Zeroth Review	10
First Review	20
Second Review	30
Third Review	20
Final Review	20
Total	100

TABLE 4: Activity Timeline as per Table 2

Name of the Activity	Completion		Reasons if Deviation	Signature			
	Planned	Actual		Student	Guide	External	HOD

TABLE 4 (Contd.): Activity Timeline as per Table 2

Name of the Activity	Completion		Reasons if Deviation	Signature			
	Planned	Actual		Student	Guide	External	HOD

PUBLICATIONS

S.No.	Title	Name of the Journal/ Conference	Impact Factor (If Applicable)	ISSN/ISBN No., Vol No. Issue No., Page No.	Date of Publication/ Presentation

REFERENCES:

S.No.	Reference **	Referenced for (Part of the Project)

** K.K. Yiu, M.W. Mak and C.K. Li, "Gaussian Mixture Models and Probabilistic Decision-Based Neural Networks for Pattern Classification: A Comparative Study," Neural Computing and Applications, Vol. 8, Issue No. , pp. 235-245, 1999.

ATTENDANCE:

S.No.	Name of the students	Week 1					Week 2					Week 3				
		Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
1																
2																
3																
4																
5																
S.No.	Name of the students	Week 4					Week 5					Week 6				
		Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
1																
2																
3																
4																
5																
S.No.	Name of the students	Week 7					Week 8					Week 9				
		Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
1																
2																
3																
4																
5																
S.No.	Name of the students	Week 10					Week 11					Week 12				
		Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
1																
2																
3																
4																
5																

WEEKLY REVIEW MEETING WITH THE TEAM MEMBERS

Date of Meeting	Points discussed	Remarks
Week 1 Date:		
Week 2 Date:		
Week 3 Date:		
Week 4 Date:		
Week 5 Date:		
Week 6 Date:		
Week 7 Date:		
Week 8 Date:		

Team Members Sign: 1.
2.
3.
4.

Guide's Sign:

WEEKLY REVIEW MEETING WITH THE TEAM MEMBERS

Date of Meeting	Points discussed	Remarks
Week 9 Date:		
Week 10 Date:		
Week 11 Date:		
Week 12 Date:		

Team Members Sign: 1.
2.
3.
4.

Guide's Sign:

TO BE SUBMITTED DURING ZEROth REVIEW:

SHEET 1: ABSTRACT (To be signed by Team Members and Guide)

1. Scope of the project
2. Objective
3. Methodology
4. Expected Results
5. Keywords at least 10 words

TO BE SUBMITTED DURING SECOND REVIEW:

SHEET 3: Design/ Architecture/ Flow Diagram (To be signed by Team Members and Guide)

TO BE SUBMITTED DURING THIRD REVIEW:

SHEET 4: Simulation Results/ PCB design (To be signed by Team Members and Guide)

TO BE SUBMITTED DURING FINAL REVIEW:

SHEET 5: Conclusion/ Results/ Discussion with comparison (To be signed by Team Members and Guide)

TO BE SUBMITTED DURING FIRST REVIEW:

SHEET 2: LITERATURE SURVEY (To be signed by Team Members and Guide)

1. Base Paper
2. List of papers

Title of the paper	Author(s)	Year of Publication	Algorithm/Methodology used	Drawbacks	Merits	Outcome

Proposed Algorithm:

MARKS ALLOCATION:

REVIEW	S.NO.	NAME OF THE STUDENT	DATE	MAX MARKS	MARKS OBTAINED	CUMULATIVE MARKS	REMARKS	NAME WITH SIGN
ZEROth	1							
	2							
	3							
	4							
FIRST	1							
	2							
	3							
	4							
SECOND	1							
	2							
	3							
	4							
THIRD	1							
	2							
	3							
	4							
FINAL	1							
	2							
	3							
	4							