RAJALAKSHMI INSTITUTE OF TECHNOLOGY
BELIEVE IN THE POSSIBILITIES
AN AUTONOMOUS INSTITUTION

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROJECT RECORD NOTE BOOK

ACADEMIC YEAR: 2024-2025

Project Title :

Subject Code / Name : CS3811 / Project Work

Class :

Batch Number :

Supervisor Name :

Team Members

Sl.No.	Roll No.	Reg. No.	Name of the Student
1.			
2.			
3.			

VISION & MISSION OF THE INSTITUTE

Vision

- To set a bench mark for the education providers in the field of Engineering and Technology
- To provide quality technical education that fosters the spirit of learning and research.
- To spawn creative, globally competent, highly employable and disciplined professionals through an innovative synergistic model of education that promotes academic excellence, scientific pursuit, and professionalism.

Mission

- To impart education that caters to the growing challenges of the Industry and social needs of our nation.
- To constantly upgrade the standards of teaching and learning in the field of engineering and technology.
- To build a good rapport between the academia and Industry
- To bridge the gap between the academia and industry.
- To promote and encourage the spirit of research in engineering and technology.
- To empower the youth not only technically but also to serve the society selflessly.

VISION & MISSION OF THE DEPARTMENT

Vision

To set a benchmark in the field of computer science and engineering education by delivering high-quality, innovative, and research-driven program that cultivates a passion for learning and produce globally competent, ethical, and socially responsible professionals equipped to tackle the challenges of the digital age.

Mission

1.To provide state-of-the-art computer science and engineering education that both satisfies the societal needs of our country and the world at large and tackles the expanding problems of the industry.

2. To consistently improve teaching and learning standards by incorporating cutting-edge techniques and cultivating a strong research environment that promotes originality and critical thinking.

3. To create and preserve dynamic relationships with the industry sector, guaranteeing that the graduates are equipped with the necessary skills to succeed in the workplace.

PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

PEO1 : To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.

PEO2 : To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

PEO3 : To prepare the graduates to be able to become entrepreneur in the field of Computer Science and Engineering

PROGRAM OUTCOMES(POs)

1) **Engineering Knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

2) **Problem Analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.

3) **Design/development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

4) **Conduct Investigations of Complex Problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5) **Modern Tool Usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6) **The engineer and Society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7) **Environment and Sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10) **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11) **Project Management and Finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12) **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

PSO1 : To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.

PSO2 : To apply software engineering principles and practices for developing quality software for scientific and business applications

PSO3 : To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

CS3811 PROJECT WORK **L T P C**
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OBJECTIVES:

1. To train the students to gain domain knowledge, and technical skills to solve potential business/research problems
2. To Gather requirements and analyse and design suitable software solutions and evaluate the alternatives
3. To work in small teams and understand the processes and practices in the ‘industry.
4. Implement, Test and deploy solutions for target platforms
5. Prepare project reports and presentation

The students shall individually / or as group work on business/research domains and related problems approved by the Department Panel members or the organization that offered the project.

The students in a group of 2 or 3 works on a topic approved by the Project Coordinator and the Head of the department under the guidance of a faculty member and prepares a comprehensive project report after completing the work to the satisfaction of the supervisor. The progress of the project is evaluated based on a minimum of three reviews. The review committee may be constituted by the Head of the Department and the Project Coordinator. A project report is required at the end of the semester. The project work is evaluated based on oral presentation and the project report jointly by external and internal examiners constituted by the Headof the Department.

TOTAL: 300 PERIODS

COURSE OUTCOME :

On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology.

MAPPING OF COURSE OUTCOMES WITH PROGRAMME OUTCOMES

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO		*	*	*	*	*	*	*	*	*	*	*

RULES AND REGULATIONS

1. **Each batch should maintain this project handbook with complete details.**
2. Student must bring the handbook and file to all the review sessions and also while meeting their respective Supervisor / Coordinators / HOD.
3. Internal mark will be awarded based on the internal review mark.
4. All the completed projects will belong to the institution and need to be submitted to the coordinator to get no dues clearance.
5. The consumables required for the project should be taken care by the students.
6. Review will be conducted only in the presence of the supervisor.
7. Final working model should be painted neatly and specification details should be embedded on the final review itself. (Name plate: project title, name of the students with Reg.No., Name of the Supervisor; Specification board: Specification of the machine)
8. There will not be any re-review for the students those who failed to attend the review.
9. This Project workbook must be submitted to the coordinators at the end of the pre-final review.
10. Every week students have to meet the Supervisor and it's the duty of the Supervisor to record the status of the project in the note book.

S. No	Review	Date			Stages of completion
		"A" Sec	"B" Sec	"C" Section	
1.	Zeroth Review				Title and the area with details
2.	First Review				Title, Literature survey, project methodology, theoretical design calculation.
3.	Second Review				Project Report should be partially completed, completion of fabrication part should be above 50%.
4.	Third Review				Testing of physical model completed, final corrected project report completed.
5.	Pre - Final Review				Final Review
6.	Monitoring	Every Week supervisors have to sign the project record note book			Status of the work to be noted by the supervisor

PROJECT COORDINATOR:

IMPORTANT DATES

Si. No.	Description	Due Date	Completion Date	Remarks
1	Batch Formation			
2	Title and Supervisor confirmation			
3	Zeroth Review			
4	First Review			
5	Second Review			
6	Third Review			
7	Submission of Physical Model			
8	Submission of Rough Report			
9	Submission of Fair Report			

ABSTRACT

ACCEPTANCE OF SUPERVISOR

I_____accept to be the Project Supervisor for this team.

Signature of Supervisor Signature of HOD

TITLE CHANGE (IF ANY)

CHANGE OF TITLE:

Existing Title :

New Title :

Reason :

Applied on :

Signature of Supervisor **Signature of HOD**

TITLE CHANGE (IF ANY)

CHANGE OF TITLE:

Existing Title :

New Title :

Reason :

Applied on :

Signature of Supervisor **Signature of HOD**

REFERENCES

Sl.No.	Type of References (Book/Journal/ website)	TITLE / AUTHOR / WEB ADDRESS
1		
2		
3		
4		
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12		

PROGRESS OF PROJECT

Date	Details of Work Done	Students' Sign	Supervisor Sign

PROGRESS OF PROJECT

Date	Details of Work Done	Students' Sign	Supervisor Sign

PROGRESS OF PROJECT

Date	Details of Work Done	Students' Sign	Supervisor Sign