

**ROHINI COLLEGE OF ENGINEERING &  
TECHNOLOGY, PALKULAM**

*Accredited by NAAC with A+ Grade*  
(AUTONOMOUS)

**Department of Electrical and  
Electronics Engineering**

**PROJECT WORK**

**EE8811**

**BATCH : 2020-2024**

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**Department of Electrical and Electronics Engineering**

**Date: 01.12.2023**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular/Call for Project work 2023-2024/01**

All the faculty members of Electrical & Electronics Engineering department are requested to submit your area of interest and specialization to the Head of the Department on or before **05.12.2023** towards the faculty supervisor allocation for the final year student's project work.

  
**HOD/EEE**

**Copy to**

- 1. Notice Board /EEE**
- 2. IV BE EEE Class Room**

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**Department of Electrical and Electronics Engineering**

**Date: 06-12-2023**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular/Call for Project work – Faculty Area/2023-2024/02**

The specialization areas of the faculty members are tabulated. All the final year BE-EEE students are asked to approach the faculty members as per their area of interest and finalize the supervisor for the project work within a week period.

SI No	Area of Interest	Faculty Name
1.	Embedded system technologies	Mr.P.JEYAKUMAR
2.	Power Systems	Dr.D.SAM HARISON
3.	Power Systems	Dr.T.SREEDHAR
4.	Power Electronics and Drives	Dr.G.K.JABASH SAMUEL
5.	Control and Instrumentation	Dr.N.AMUTHA PRIYA
6.	Power Electronics and Drives	Mr.S.GOPAKUMAR
7.	Power Electronics and Drives	Mr.G.MURUGAN
8.	Power Systems	Mrs.S.NITHYA
9.	Power Electronics and Drives	Mr.C.BASKER
10.	Power Electronics and Drives	Mr.S.SANJU
11.	Applied Electronics	Mr.R.PADMA KUMAR
12.	Power Electronics and Drives	MR.C.EBBIE SELVA KUMAR
13.	Control and Instrumentation	Dr.C.SOWTHILY

  
**HOD /EEE**

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**Notice Board /EEE**

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**Department of Electrical and Electronics Engineering**

**Date:06.12.2023**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular/Project work Co-ordinator Nomination - 2023-2024/03**

This is to inform you that the Project work Coordinator for the academic year 2023-2024 has been nominated by the Head of the department to direct all the project batch students.

**Name of the Project Co-ordinator: Dr.D.SAM HARISON, Professor & Head/EEE**

  
**HOD/EEE**

**Copy to**

- 1. Notice Board /EEE**
- 2. IV BE EEE Class Room**

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*


**Department of Electrical and Electronics Engineering**

**Date:06.12.2023**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular/Guide Allocation 2023-2024/04**

All the final year BE students are instructed to form their project batch and get it registered with the project coordinator according to their domain/thrust area to proceed the allocation of faculty supervisor. Allocation of faculty supervisor will be based on the project domain/student's request.

  
**HOD/EEE**

**Copy to**

- 1. Notice Board /EEE**
- 2. IV BE EEE Class Room**

ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

Department of Electrical and Electronics Engineering

EE8811 - PROJECT WORK


Academic Year < 2023 - 2024 >

IV BE EEE (8th Semester)

PROJECT BATCH

Batch No.	Register No.	Student's Name	Project Area
1	963320105005	ABINAYA SREE G S	Embedded System Power electronics At Aravind
	963320105043	PREDYUSHA N	
2	963320105009	ABITHA G	Power systems At Aravind
	963320105015	ASWI A	
	963320105023	HARISHMA JAI J P	
	963320105046	RAJA RAJESWARI S	
3	963320105012	ANU G	Electrical Embedded System At Aravind
	963320105035	MONISHA JASMIN P	
	963320105044	PRIYADHARSHINI R	
	963320105052	SOWMIYA R	
4	963320105019	GOPIKA M A	Power system Artificial Intelligence At Aravind
	963320105038	NANTHANA P B	
	963320105039	NAVA RAMYA N	
	963320105302	BALA BHARATHI K	
5	963320105001	ABDUL RAHMAN N	POWER ELEC & MACHINES
	963320105003	ABDUL SHAHITH S	
	963320105048	SANJAY H	
	963320105051	SHANMUGA SUNDARAM N	
6	963320105002	ABDUL RAZIQ ALI A S	Power Electronics N.Karthika
	963320105028	KARTHIKEYAN N	
	963320105032	MELBIN JOSE L	
	963320105008	ABISH MELAN C	
7	963320105004	ABHIJEET C	Power system C. Abhijet
	963320105011	AJIL S	
	963320105031	MANIKANDAN T	
	963320105303	MUTHU PERUMAL M	
8	963320105006	ABISHEAK M T	Power Electronics & machines M. Aravind
	963320105014	ARAVIND BABU S	
	963320105017	GODWIN P	
	963320105033	MOHAMED FAHMI M	
9	963320105007	ABISHEK D M	Electrical & Electronics P. Aravind
	963320105018	GOKULRAM K	
	963320105029	LIWIN PAUL J	
	963320105061	VISHWA P	
10	963320105016	EVAN FELIX M	Power Electronics S. Aravind
	963320105022	HARIHARAN G	
	963320105030	MAHESH S	
	963320105034	MOHAMED ZAHIR S	

11	963320105020	GOUTHAM KRISHNA G	
	963320105041	NITHIN LOPPAS	
	963320105042	PRAVEEN R	
12	963320105021	HAMJIN J	Electrical & Electronics S. Ruban
	963320105024	HERCIN Y	
	963320105040	NIGASH R	
	963320105047	RUBAN S	
13	963320105025	JOHNY BABISH J P	Embedded System John.
	963320105026	JOSEPH VIYANTH V	
	963320105036	MURUGAN S	
	963320105053	SRIKANTH G	
14	963320105027	JUDE MAKVIN T	Power System Vinoth
	963320105056	THIVAKAR V	
	963320105060	VINOTH J	
	963320105305	SHERAO B	
15	963320105037	MUTHU SELVAN A	Power Electronics Vellaian
	963320105057	VELLAIYAN M	
	963320105058	VENKATESHWARAN M	
	963320105306	THOMAS LEVIN P	
16	963320105045	RAJA DURAI S	Power electronics Subash
	963320105054	SUBASH C	
	963320105059	VIJAY V	
17	963320105050	SHAMEEM AHAMED M I	Power System Sg.
	963320105055	THANGA KRISHNAN T	
	963320105301	AKASH SERCIN C	
	963320105304	NIDISH RAM M P	

  
Project Co-ordinator

  
Faculty Advisor

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM**  
*Accredited by NAAC with A+ Grade*  
**Department of Electrical and Electronics Engineering**

**Date: 18.12.2023**

**CIRCULAR**

**Ref. No.: RCET/EEE/Staff/Internal Circular – Formation of Project work Review Committee (PRC) - 01**

The Project work Review Committee for the respective batches of the academic year 2023-2024 has been formed. The Project work Review Committee (PRC) is responsible for initiating/selecting the projects teams, reviewing and approving the project titles and awarding the marks.

Batch No.	Register No.	Student's Name	Supervisor	Project work Review Committee
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105043	PREDYUSHA N		
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105015	ASWI A		
	963320105023	HARISHMA JAI J P		
	963320105046	RAJA RAJESWARI S		
3	963320105012	ANU G	Dr.D.Sam Harison	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105035	MONISHA JASMIN P		
	963320105044	PRIYADHARSHINI R		
	963320105052	SOWMIYA R		
4	963320105019	GOPIKA M A	Dr.D.Binu	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Dr.D.Binu
	963320105038	NANTHANA P B		
	963320105039	NAVA RAMYA N		
	963320105302	BALA BHARATHI K		
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105016	EVAN FELIX M		
	963320105048	SANJAY H		
	963320105051	SHANMUGA SUNDARAM N		
6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.S.Gopa Kumar
	963320105028	KARTHIKEYAN N		
	963320105032	MELBIN JOSE L		
	963320105008	ABISH MELAN C		
7	963320105004	ABHIJEET C	Mr.S.Sanju	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.S.Sanju
	963320105011	AJIL S		
	963320105031	MANIKANDAN T		
	963320105303	MUTHU PERUMAL M		



8	963320105006	ABISHEAK M T	Mrs.S.Nithya	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mrs.S.Nithya
	963320105014	ARAVIND BABU S		
	963320105017	GODWIN P		
	963320105033	MOHAMED FAHMI M		
9	963320105007	ABISHEK D M	Mr.G.Murugan	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.G.Murugan
	963320105018	GOKULRAM K		
	963320105029	LIWIN PAUL J		
	963320105061	VISHWA P		
10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.C.Ebbie Selva Kumar
	963320105022	HARIHARAN G		
	963320105030	MAHESH S		
	963320105034	MOHAMED ZAHIR S		
11	963320105021	HAMJIN J	Mr.C.Basker	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.C.Basker
	963320105024	HERCIN Y		
	963320105040	NIGASH R		
	963320105047	RUBAN S		
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Dr.D.Binu
	963320105026	JOSEPH VIVANTH V		
	963320105036	MURUGAN S		
	963320105053	SRIKANTH G		
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105056	THIVAKAR V		
	963320105060	VINOTH J		
	963320105305	SHERAO B		
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.R.Padma Kumar
	963320105057	VELLAIYAN M		
	963320105058	VENKATESHWARAN M		
	963320105306	THOMAS LEVIN P		
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya Mr.P.Jeya Kumar
	963320105045	RAJA DURAI S		
	963320105054	SUBASH C		
	963320105059	VIJAY V		
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	Dr.G.K.Jabash Samuel Dr.C.Sowthily Dr.D.Sam Harison Dr.N.Amutha Priya
	963320105055	THANGA KRISHNAN T		
	963320105301	AKASH SERCIN C		
	963320105304	NIDISH RAM M P		

  
HOD/EEE

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

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**Department of Electrical and Electronics Engineering**

Date: 06.01.2024

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular Project-Title approval /Zeroth Review 2023-2024/05**

All the final year BE EEE students are instructed to submit the title of the project in the given proforma to the Project Co-ordinator. The submitted project titles will be reviewed by a Review committee consisting of Project Co-ordinator, Head of the Department, Class Advisor and Review Committee Members. The students are also asked to make a presentation for the zeroth review before the committee on **18.01.2024** and based on the presentation, the title will be approved.

  
HOD/EEE

Copy to

1. Notice Board /EEE
2. IV BE EEE Class Room

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

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**Department of Electrical and Electronics Engineering**

**Date: 06-01-2024**

**CIRCULAR**

**Ref. No.: RCET/ EEE /Internal Circular/Zeroth Review/AY 2023-2024/02**

**To**

The Project work Review Committee Members (MPRC)

**SUB: Review Meeting /Zeroth Review - Title Approval for final year Project works –  
AY 2023-2024/Dated on 18.01.2024.**

This is to inform you that the **Zeroth Review meeting** of the Project work of IV BE EEE Batch (2020-2024) will be held on **18.01.2024** (10:00am to 03.30pm), **19.01.2024** (10:00am to 03.30pm) and **20.01.2024** (10:00am to 01.00pm) at the Power System Simulation Laboratory to discuss the following agenda.

1. Project Title Approval
2. Objective of the work
3. Tools & Technologies to be Used
4. Any specific software or hardware requirement

**You are requested to attend the meeting.**

  
**HOD/EEE**

Copy to

1. PRC Members
2. Class Advisors
3. EEE faculty members

# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

*Accredited by NAAC with A+ Grade*

## Department of Electrical and Electronics Engineering

**Date:11.01.2024**

### CIRCULAR

**Ref. No.: RCET/ EEE /Circular/ Review Schedule - Project work - Title Approval Form /Zeroth Review 2023-2024/04**

All the final year BE EEE students are instructed to submit the title approval form of their project in the given proforma to the Project Coordinator duly signed by Supervisor and Head of the department before appearing the zeroth review. The submitted project titles will be reviewed by the Project work Review Committee (PRC). The students are asked to make a presentation for the zeroth review before the committee as per the schedule. Based on the presentation and discussion, the project title will be approved.

### DETAILED SCHEDULE - ZEROTH REVIEW

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	18.01.2024 10.00 am – 10.45 am
	963320105043	PREDYUSHA N			
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	18.01.2024 10.45 am – 11.30 am
	963320105015	ASWI A			
	963320105023	HARISHMA JAI J P			
	963320105046	RAJA RAJESWARI S			
3	963320105012	ANU G	Dr.D.Sam Harison	E-Bike Speed Controller System	18.01.2024 11.30 am – 12.15 pm
	963320105035	MONISHA JASMIN P			
	963320105044	PRIYADHARSHINI R			
	963320105052	SOWMIYA R			
4	963320105019	GOPIKA M A	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	18.01.2024 12.15 pm – 01.00 pm
	963320105038	NANTHANA P B			
	963320105039	NAVA RAMYA N			
	963320105302	BALA BHARATHI K			
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	18.01.2024 02.00 pm – 02.45 pm
	963320105016	EVAN FELIX M			
	963320105048	SANJAY H			
	963320105051	SHANMUGA SUNDARAM N			
6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	18.01.2024 02.45 pm – 03.30 pm
	963320105028	KARTHIKEYAN N			
	963320105032	MELBIN JOSE L			
	963320105008	ABISH MELAN C			

7	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	19.01.2024 10.00 am - 10.45 am
	963320105011	AJIL S			
	963320105031	MANIKANDAN T			
	963320105303	MUTHU PERUMAL M			
8	963320105006	ABISHIEK M T	Mrs.S.Nithya	Power Generation using Speed Breakers	19.01.2024 10.45 am - 11.30 am
	963320105014	ARAVIND BABU S			
	963320105017	GODWIN P			
	963320105033	MOHAMED FAHIMI M			
9	963320105007	ABISHIEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	19.01.2024 11.30 am - 12.15 pm
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
10	963320105003	ABDUL SHAIKH S	Mr.C.Ebbie Selva Kumar	Electricity Theft Detection using Machine Learning	19.01.2024 12.15 pm - 01.00 pm
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	19.01.2024 02.00 pm - 02.45 pm
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	19.01.2024 02.45 pm - 03.30 pm
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	20.01.2024 10.00 am - 10.45 am
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHESERAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	20.01.2024 10.45 am - 11.30 am
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	E-Bike Speed Controller System with MATLAB	20.01.2024 11.30 am - 12.15 pm
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and alerting System	20.01.2024 12.15 pm - 01.00 pm
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

### Instruction to the Candidates:

Absenteeism during the review dates will not be entertained

All the students should attend the project review at 10:00am sharp without fail.

  
HOD/EEE

Copy to

1. Notice Board /EEE
2. Final Year Class Room

# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

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Department of Electrical and Electronics Engineering

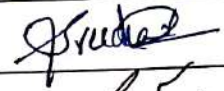
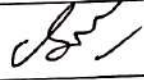
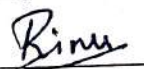
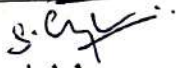
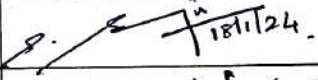

Academic Year 2023-2024 (Even Semester)

ZEROth REVIEW - Presentation Schedule

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	18.01.2024 10.00 am - 10.45 am
	963320105043	PREDYUSHA N			
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	18.01.2024 10.45 am - 11.30 am
	963320105015	ASWI A			
	963320105023	HARISHMA JAJI P			
	963320105046	RAJA RAJESWARI S			
3	963320105012	ANU G	Dr.D.Sam Harison	E-Bike Speed Controller System	18.01.2024 11.30 am - 12.15 pm
	963320105035	MONISHA JASMIN P			
	963320105044	PRİYADHARSHINI R			
	963320105052	SOWMIYA R			
	963320105019	GOPIKA M A			
4	963320105038	NANTHANA P B	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	18.01.2024 12.15 pm - 01.00 pm
	963320105039	NAVA RAMYA N			
	963320105302	BALA BHARATHI K			
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	18.01.2024 02.00 pm - 02.45 pm
	963320105016	EVAN FELIX M			
	963320105048	SANJAY H			
	963320105051	SHANMUGA SUNDARAM N			
	963320105002	ABDUL RAZIQ ALI A S			
6	963320105028	KARTHIKEYAN N	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	18.01.2024 02.45 pm - 03.30 pm
	963320105032	MELBIN JOSEL			
7	963320105008	ABISH MELAN C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	19.01.2024 10.00 am - 10.45 am
	963320105004	ABHIJEET C			
	963320105011	AJIL S			
	963320105031	MANIKANDAN T			
8	963320105303	MUTHU PERUMAL M	Mrs.S.Nithiya	Power Generation using Speed Breakers	19.01.2024 10.45 am - 11.30 am
	963320105006	ABISHEAK M T			
	963320105014	ARAVIND BABU S			
	963320105017	GODWIN P			
	963320105033	MOHAMMED FAHMI M			

9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	19.01.2024 11.30 am – 12.15 pm
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Electricity Theft Detection using Machine Learning	19.01.2024 12.15 pm – 01.00 pm
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	19.01.2024 02.00 pm – 02.45 pm
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	19.01.2024 02.45 pm – 03.30 pm
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	20.01.2024 10.00 am – 10.45 am
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHESERAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	20.01.2024 10.45 am – 11.30 am
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	E-Bike Speed Controller System with MATLAB	20.01.2024 11.30 am – 12.15 pm
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	20.01.2024 12.15 pm – 01.00 pm
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

Members Present:

Sl No	Name of the faculty / Designation	Signature with Date
1.	Dr. D. SAM HARISON	 18/1/24.
2.	Mr. P. JEYAKUMAR	 18/1/24
3.	Dr. T. SREEDHAR	
4.	Dr. G K. JABASH SAMUEL	
5.	Dr. N. AMUTHA PRIYA	 18/1/24
6.	Dr. D. BINU	 Binu.
7.	Mr. S. GOPAKUMAR	 S. G. P.
8.	Mr. G. MURUGAN	
9.	Mrs. S. NITHYA	 18/1/24
10.	Mr. C. BASKER	 18/01/2024.
11.	Mr. S. SANJU	 18/1/24.
12.	Mr. R. PADMA KUMAR	
13.	Mr. C. EBBIE SELVAKUMAR	 19/1/24
14.	Dr.C.SOWTHILY	 18/1/24

  
HOD/ EEE




**Department of Electrical and Electronics Engineering**  
**Academic Year 2023-2024 (Even Semester)**  
**ZEROth REVIEW – Project Review Committee Report**

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)	Title Approved/ Denied	Comments of PRC
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	18.01.2024 10 – 10.45 am	Approved	o.k
	963320105043	PREDYUSHA N					
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	18.01.2024 10.45 am – 11.30 am	Approved	o.k
	963320105015	ASWI A					
	963320105023	HARISHMA JAI J P					
	963320105046	RAJA RAJESWARI S					
3	963320105012	ANU G	Dr.D.Sam Harrison	E-Bike Speed Controller System	18.01.2024 11.30 am – 12.15 pm	Denied	Title is not clear about after explanation
	963320105035	MONISHA JASMIN P					
	963320105044	PRIYADHARSHINI R					
	963320105052	SOWMIYA R					
	963320105019	GOPIKA M A					
	963320105038	NANTHANA P B					
4	963320105039	NAVA RAMYA N	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	18.01.2024 12.15 pm – 01.00 pm	Denied	"
	963320105302	BALA BHARATHI K					
	963320105001	ABDUL RAHMAN N					
	963320105016	EVAN FELIX M					
5	963320105048	SANJAY H	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	18.01.2024 02.00 pm – 02.45 pm	Approved	Collected the Base Paper from Journal Publication.
	963320105051	SHANMUGA SUNDARAM N					
	963320105002	ABDUL RAZIQ ALI A S					
	963320105028	KARTHIKEYAN N					
6	963320105032	MELBIN JOSE L	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	18.01.2024 02.45 pm – 03.30 pm	Approved	o.k
	963320105008	ABISH MELAN C					
	963320105004	ABHIJEET C					
	963320105011	AJIL S					
7	963320105031	MANIKANDAN T	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	19.01.2024 10.00 am – 10.45 am	Approved	ok.
	963320105303	MUTHU PERUMAL M					
	963320105006	ABISHEAK M T					
	963320105014	ARAVIND BABU S					
8	963320105017	GODWIN P	Mrs.S.Nithya	Power Generation using Speed Breakers	19.01.2024 10.45 am – 11.30 am	Approved	o.k
	963320105033	MOHAMMED FAJIMI M					

9	963320105007	ABISHEK D M	Mr.G.Murugan	Approved.	Collect the bare paper from journal.
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Approved.	change the slide, put point by point.
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Denied.	Collect bare paper from journal.
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Approved	Collect the journal papers - from reputed journal. Explanation is not clear.
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Approved	O.K.
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHERARAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Approved	O.K.
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	Approved.	Change the slide, put point by point.
	963320105045	RAJA DURAI S			
	963320105054	SUPASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	Approved	O.K.
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

Project  Co-ordinator

 PRC Member

 HOD/EEE

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)	Title Approved/Denied	Comments of PRC
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	18.01.2024 10 – 10.45 am	Approved	More back papers have to be referred
	963320105043	PREDYUSHA N					
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	18.01.2024 10.45 am – 11.30 am	Approved	More analysis should be made. Basics have to be referred
	963320105015	ASWI A					
	963320105023	HARISHMA JAJ P					
	963320105046	RAJA RAJESWARIS					
3	963320105012	ANU G	Dr.D.Sam Harison	E-Bike Speed Controller System	18.01.2024 11.30 am – 12.15 pm	Denied	Presentation should be improved. More papers have to be referred
	963320105035	MONISHA JASMIN P					
	963320105044	PRİYADHARSHINI R					
	963320105052	SOWMIYA R					
	963320105019	GOPIKA M A					
4	963320105038	NANTHANA P B	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	18.01.2024 12.15 pm – 01.00 pm	Denied	Back papers should be referred.
	963320105039	NAVA RAMYA N					
	963320105302	BALA BHARATHI K					
	963320105001	ABDUL RAHMAN N					
5	963320105016	EVAN FELIX M	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	18.01.2024 02.00 pm – 02.45 pm	Approved	Vast area coverage. Specific concentration over BMS is to be studied
	963320105048	SANJAY H					
	963320105051	SHANMUGA SUNDARAM N					
	963320105002	ABDUL RAZIQ ALI A S					
	963320105028	KARTHIKEYAN N					
6	963320105032	MELBIN JOSE L	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	18.01.2024 02.45 pm – 03.30 pm	Approved	Good. Objectives can be refined
	963320105008	ABISH MELAN C					
	963320105004	ABHIJEET C					
	963320105011	AJIL S					
7	963320105031	MANIKANDAN T	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	19.01.2024 10.00 am – 10.45 am	Denied	Presentation should be improved. More papers have to be referred
	963320105303	MUTHU PERUMAL M					
	963320105006	ABISHEAK M T					
	963320105014	ARAVIND BABU S					
8	963320105017	GODWIN P	Mrs.S.Nithya	Monthly Electricity Billing <del>Power Generation using Speed</del> Display <del>Buttons</del> with Bill SMS Feature	19.01.2024 10.45 am – 11.30 am	Approved	More back papers have to be referred
	963320105033	MOHAMED FAHMI M					

9	963320105007	ABISHEK D M	Mr.G.Murugan	Approved	Good. Back papers have to be referred.
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Approved	More backwork is needed. Basic updation over the concept is required.
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Denied	Study work can be avoided. A design model is necessary. More papers have to be referred.
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Approved	More backwork should be made.
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Approved	Basics have to be referred. More analysis should be made.
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHESERAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Approved	More papers should be referred.
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	Denied	Title is very simple. A little more complex project can be chosen.
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jnbush Samuel	Approved	More backwork should be made.
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

PRC Member

  
RODREE

  
Projectwork Co-ordinator

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**Department of Electrical and Electronics Engineering**

**MINUTES OF THE PROJECT WORK REVIEW COMMITTEE MEETING  
ON APPROVAL OF PROJECT TITLES OF PROJECT WORK BATCHES**

**MINUTES -01**

Date & Time : 29.01.2024 & 10.00 AM – 01.00 PM

Agenda:

1. Discussions about the approval of project titles
2. Discussions about the Requirement of Tools & Technologies to be Used

The following points were discussed:

- The final year project work's zeroth review committee meeting was held at the EEE department on 18-01-2024, 19-01-2024 and 20-01-2024 for the approval of Project titles.
- The meeting was presided over by Dr.D.Sam Harison, Head, Department of EEE. He extended a warm welcome to the Project Review Committee members and all the final year students.
- Each batch was allowed to present their project title, abstract, objective and to submit the requirement of the tools, technologies (Hardware and/or Software) to be used for their project work.
- Based upon the presentation of the project batch students their respective titles were Approved / Denied by the Committee members.
- The committee created an awareness among the students about Literature review, conference presentation and journal publication of their project work.

  
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**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

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**Department of Electrical and Electronics Engineering**

**Project titles with Batches**

**Batch:2020-2024**

**Academic Year :2023-2024**

**Year/Sem: IV/VIII**

S.No.	Batch No.	Register No.	Student's Name	Finalized Project titles approved by PRC
1	1	963320105005	ABINAYA SREE G S	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients
2		963320105043	PREDYUSHA N	
3	2	963320105009	ABITHA G	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation
4		963320105015	ASWIA	
5		963320105023	HARISHIMA JAI J P	
6		963320105046	RAJA RAJESWARI S	
7	3	963320105012	ANU G	Aging Mitigation for Battery Energy Storage System in Electric Vehicles
8		963320105035	MONISHA JASMIN P	
9		963320105044	PRIYADHARSHINI R	
10		963320105052	SOWMIYA R	
11	4	963320105019	GOPIKA M A	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection
12		963320105038	NANTHANA P B	
13		963320105039	NAVA RAMYA N	
14		963320105302	BALA BHARATHI K	
15	5	963320105001	ABDUL RAHMAN N	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot
16		963320105016	EVAN FELIX M	
17		963320105048	SANJAY H	
18		963320105051	SHANMUGA SUNDARAM N	
19	6	963320105002	ABDUL RAZIQ ALI A S	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot
20		963320105028	KARTHIKEYAN N	
21		963320105032	MELBIN JOSE L	
22		963320105008	ABISH MELAN C	
23	7	963320105004	ABHIJEET C	Solar Wireless Electric Vehicle Charging System
24		963320105011	AJIL S	
25		963320105031	MANIKANDAN T	
26		963320105303	MUTHU PERUMAL M	
27	8	963320105006	ABISHEAK M T	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet
28		963320105014	ARAVIND BABU S	
29		963320105017	GODWIN P	
30		963320105033	MOHAMED FAHMI M	
31	9	963320105007	ABISHEK D M	Smart E-Petrol Bunk
32		963320105018	GOKULRAM K	
33		963320105029	LIWIN PAUL J	
34		963320105061	VISHWA P	
35	10	963320105003	ABDUL SHAHITH S	Electricity Theft Detection using Machine Learning
36		963320105022	HARIHARAN G	
37		963320105030	MAHESH S	
38		963320105034	MOHAMED ZAHIR S	

39	11	963320105021	HAMJIN J	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms
40		963320105024	HERCIN Y	
41		963320105040	NOGASH R	
42		963320105047	RUBAN S	
43	12	963320105025	JOHNY BABISH J P	Automated Person Detection and Attendance System using Image Processing Techniques
44		963320105026	JOSEPH VIVANTH V	
45		963320105036	MURLGAN S	
46		963320105053	SRIKANTH G	
47	13	963320105027	JUDE MAKVINT	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation
48		963320105056	THIVAKAR V	
49		963320105060	VINOTH J	
50		963320105305	SHERAO B	
51	14	963320105057	MUTHU SELVAN A	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems
52		963320105057	VELLAIYAN M	
53		963320105058	VENKATESHWARAN M	
54		963320105306	THOMAS LEVIN P	
55	15	963320105042	PRAVEEN R	E-Bike Speed Controller System
56		963320105045	RAJA DURAI S	
57		963320105054	SUBASH C	
58		963320105059	VUAY V	
59	16	963320105050	SHAMEEM AHAMED M I	IoT based Automatic Railway Crack Detection and Alerting System
60		963320105055	THANGA KRISHNAN T	
61		963320105301	AKASH SERCIN C	
62		963320105304	NIDISH RAM M P	



PROJECT CO-ORDINATOR



HOD/EEE

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**Department of Electrical and Electronics Engineering**

**Date:19.02.2024**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular Project-First Review 2023-2024/01**

All the final year students are instructed to submit the title - abstract, literature relevant to the study and give a Power Point presentation on their project for **first review** on **26.02.2024, 27.02.2024 and 28.02.2024** as per the schedule.

  
**HOD/EEE**

**Copy to**

- 1. Notice Board /EEE**
- 2. Final Year Class Room**



# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

Accredited by NAAC with A+ Grade

Department of Electrical and Electronics Engineering

Academic Year 2023-2024 (Even Semester)

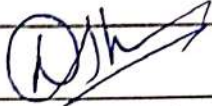
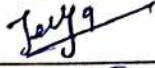
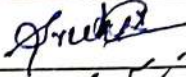
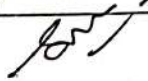
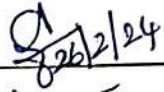

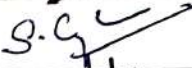
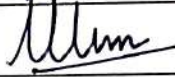

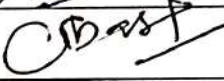
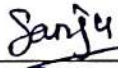

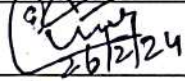
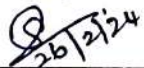
## FIRST REVIEW – Presentation Schedule

S.No.	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	26.02.2024 10.00 am – 10.45 am
2		963320105016	EVAN FELIX M			
3		963320105048	SANJAY H			
4		963320105051	SHANMUGA SUNDARAM N			
5	6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	26.02.2024 10.45 am – 11.30 am
6		963320105028	KARTHIKEYAN N			
7		963320105032	MELBIN JOSE L			
8		963320105008	ABISH MELAN C			
9	7	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	26.02.2024 11.30 am – 12.15 pm
10		963320105011	AJIL S			
11		963320105031	MANIKANDAN T			
12		963320105303	MUTHU PERUMAL M			
13	8	963320105006	ABISHEAK M T	Mrs.S.Nithya	Power Generation using Speed Breakers	26.02.2024 12.15 pm – 01.00 pm
14		963320105014	ARAVIND BABU S			
15		963320105017	GODWIN P			
16		963320105033	MOHAMED FAHMIM			
17	9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	26.02.2024 02.00 pm – 02.45 pm
18		963320105018	GOKULRAM K			
19		963320105029	LIWIN PAUL J			
20		963320105061	VISHWA P			
21	13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	26.02.2024 02.45 pm – 03.30 pm
22		963320105056	THIVAKAR V			
23		963320105060	VINOTH J			
24		963320105305	SHESERAO B			
25	10	963320105003	ABDUL SHAHITH S	Mr.C.EbbieSelva Kumar	Electricity Theft Detection using Machine Learning	27.02.2024 10.00am – 10.45am
26		963320105022	HARIHARAN G			
27		963320105030	MAHESH S			
28		963320105034	MOHAMED ZAHIR S			

29	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	27.02.2024 10.45 am – 11.30 am
30	963320105015	ASWI A			
31	963320105023	HARISHMA JAI J P	Dr.D.Sam Harison	E-Bike Speed Controller System	27.02.2024 11.30 am – 12.15 pm
32	963320105046	RAJA RAJESWARI S			
33	963320105012	ANU G			
34	963320105035	MONISHA JASMIN P			
35	963320105044	PRİYADHARSHINI R	Dr.D.Binu	Real-Time Hazard Detection in Smart Helmet	27.02.2024 12.15 pm – 01.00 pm
36	963320105052	SOWMIYA R			
37	963320105019	GOPIKA M A			
38	963320105038	NANTHANA P B			
39	963320105039	NAVA RAMYA N	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	27.02.2024 02.00 pm – 02.45 pm
40	963320105302	BALA BHARATHI K			
41	963320105025	JOHNY BABISH J P			
42	963320105026	JOSEPH VIVANTH V			
43	963320105036	MURUGAN S	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	28.02.2024 10.00 am – 10.45 am
44	963320105053	SRIKANTH G			
45	963320105021	HAMJIN J			
46	963320105024	HERCIN Y			
47	963320105040	NIGASH R	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	28.02.2024 10.45 am – 11.30 am
48	963320105047	RUBAN S			
49	963320105037	MUTHU SELVAN A			
50	963320105057	VELLAIYAN M			
51	963320105058	VENKATESHWARAN M	Mr.P.Jeya Kumar	E-Bike Speed Controller System	28.02.2024 11.30 am – 12.15 pm
52	963320105306	THOMAS LEVIN P			
53	963320105042	PRAVEEN R			
54	963320105045	RAJA DURAI S			
55	963320105054	SUBASH C	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	28.02.2024 12.15 pm – 01.00 pm
56	963320105059	VIJAY V			
57	963320105050	SHAMEEM AHAMED M I			
58	963320105055	THANGA KRISHNAN T			
59	963320105301	AKASH SERCIN C	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	28.02.2024 02.00 am – 02.45 pm
60	963320105304	NIDISH RAM M P			
61	963320105005	ABINAYA SREE G S			
62	963320105043	PREDYUSHA N			

  
 Project Co-ordinator

**Members Present:**

Sl No	Name of the faculty / Designation	Signature with Date
1.	Dr. D. SAM HARISON	
2.	Mr. P. JEYAKUMAR	
3.	Dr. T. SREEDHAR	
4.	Dr. G K. JABASH SAMUEL	
5.	Dr. N. AMUTHA PRIYA	
6.	Dr.D.BINU	
7.	Mr. S. GOPAKUMAR	
8.	Mr. G. MURUGAN	
9.	Mrs. S. NITHYA	
10.	Mr. C. BASKER	
11.	Mr. S. SANJU	
12.	Mr. R. PADMA KUMAR	
13.	Mr.C. EBBIE SELVAKUMAR	
14.	Dr.C.SOWTHILY	



**HOD/ EEE**

Project Batches reviewed by the Project work Review Committee

Batch No.	Register No.	Student's Name	Supervisor	Comments of PRC
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Clear explanation is needed
	963320105043	PREDYUSHAN		
2	963320105009	ABITHA G	Dr.N.Amutha Priya	More real-time data has to be collected.
	963320105015	ASWI A		
	963320105023	HARISHMA JAI J P		
	963320105046	RAJA RAJESWARI S		
	963320105012	ANU G		
3	963320105035	MONISHA JASMIN P	Dr.D.Sam Harison	Explanation is not enough. More simulations have to studied
	963320105044	PRIYADHARSHINI R		
	963320105052	SOWMIYA R		
	963320105019	GOPIKA M A		
	963320105038	NANTHANA P B		
4	963320105039	NAVA RAMYA N	Dr.D.Binu	Base paper is not clear
	963320105302	BALA BHARATHI K		
	963320105001	ABDUL RAHMAN N		
5	963320105016	EVAN FELIX M	Dr.C.Sowthily	More Concentration for theoretical calculation
	963320105048	SANJAY H		
	963320105051	SHANMUGA SUNDARAM N		
	963320105002	ABDUL RAZIQ ALI A S		
	963320105028	KARTHIKEYAN N		
6	963320105032	MELBIN JOSE L	Mr.S.Gopa Kumar	Clear explanation is needed for these proposed methodology
	963320105008	ABISH MELAN C		
	963320105004	ABHIJEET C		
	963320105011	AJIL S		
7	963320105031	MANIKANDAN T	Mr.S.Sanju	More clarity is needed on the work.
	963320105303	MUTHU PERUMAL M		
	963320105006	ABISHEAK M T		
8	963320105014	ARAVIND BABU S	Mrs.S.Nithya	Practical implementation should be verified.
	963320105017	GODWIN P		
	963320105033	MOHAMED FAHMI M		

9	963320105007	ABISHEK D M	Mr.G.Murugan	Base paper is needed & Explain properly for the block
	963320105018	GOKULRAM K		
	963320105029	LIWIN PAUL J		
	963320105061	VISHWA P		
10	963320105003	ABDUL SHAHITH S	Mr.C.EbbieSelva Kumar	Presentation is not clear. Block diagram explanation is good.
	963320105022	HARIHARAN G		
	963320105030	MAHESH S		
	963320105034	MOHAMED ZAHIR S		
11	963320105021	HAMIIN J	Mr.C.Basker	more analytical work should be made.
	963320105024	HERCIN Y		
	963320105040	NIGASH R		
	963320105047	RUBAN S		
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Practical difficulties is more when in operation. U.rity should be more
	963320105026	JOSEPH VIVANTH V		
	963320105036	MURUGAN S		
	963320105053	SRIKANTH G		
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	more analysis is needed. Real-time data collection should be adequate
	963320105056	THIVAKAR V		
	963320105060	VINOTH J		
	963320105305	SHESERAO B		
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Presentation should be improved
	963320105057	VELLAIYAN M		
	963320105058	VENKATESHWARAN M		
	963320105306	THOMAS LEVIN P		
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	Presentation should be clear.
	963320105045	RAJA DURAI S		
	963320105054	SUBASH C		
	963320105059	VIJAY V		
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	Base paper should be read.
	963320105055	THANGA KRISHNAN T		
	963320105301	AKASH SERCIN C		
	963320105304	NIDISH RAM M P		

  
HOD/EEE

  
PRC Coordinator

  
Project Work Co-ordinator

Project Batches reviewed by the Project work Review Committee

Batch No.	Register No.	Student's Name	Supervisor	Comments of PRC
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Explanation should be clear on the proposed work
	963320105043	PREDYUSHA N		
2	963320105009	ABITHA G	Dr.N.Amutha Priya	None analysis should be made.
	963320105015	ASWI A		
	963320105023	HARISHMA JAI J P		
	963320105046	RAJA RAJESWARIS		
3	963320105012	ANU G	Dr.D.Sam Harison	Presentation should be improved
	963320105035	MONISHA JASMIN P		
	963320105044	PRIYADHARSHINI R		
	963320105052	SOWMIYA R		
	963320105019	GOPIKA M A		
4	963320105038	NANTHANA P B	Dr.D.Binu	Learn the base paper clearly
	963320105039	NAVA RAMYA N		
	963320105302	BALA BHARATHI K		
	963320105001	ABDUL RAHMAN N		
	963320105016	EVAN FELIX M		
5	963320105048	SANJAY H	Dr.C.Sowthily	Have to improve the presentation and clear about proposed Methodology
	963320105051	SHANMUGA SUNDARAM N		
	963320105002	ABDUL RAZIQ ALI A S		
	963320105028	KARTHIKEYAN N		
	963320105032	MELBIN JOSE L		
6	963320105008	ABISH MELAN C	Mr.S.Gopa Kumar	Proposed methodology should be clear
	963320105004	ABHIJEET C		
7	963320105011	AJIL S	Mr.S.Sanju	Read the base paper clearly
	963320105031	MANIKANDAN T		
	963320105303	MUTHU PERUMAL M		
	963320105006	ABISHJEAK M T		
8	963320105014	ARAVIND BABU S	Mrs.S.Nithya	Verify practical implementation possibility
	963320105017	GODWIN P		
	963320105033	MOHAMMED FAHIMI M		

9	963320105007	ABISHEK D M	Mr.G.Murugan	Block diagram explanation should be improved.
	963320105018	GOKULRAM K		
	963320105029	LIWIN PAUL J		
	963320105061	VISHWA P		
10	963320105003	ABDUL SHAHITH S	Mr.C.EbbieSelva Kumar	Presentation should be clear
	963320105022	HARIHARAN G		
	963320105030	MAHESH S		
	963320105034	MOHAMED ZAHIR S		
11	963320105021	HAMJIN J	Mr.C.Basker	Analytical work should be concentrated.
	963320105024	HERCIN Y		
	963320105040	NIGASH R		
	963320105047	RUBAN S		
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Identify the practical difficulties in real-time implementation.
	963320105026	JOSEPH VIVANTH V		
	963320105036	MURUGAN S		
	963320105053	SRIKANTH G		
13	963320105027	JUDE MAKVINT	Dr.N.Amutha Priya	Do more analysis. Data collection should be more.
	963320105056	THIVAKAR V		
	963320105060	VINOTH J		
	963320105305	SHESERAO B		
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Presentation clarity should be improved.
	963320105057	VELLAIYAN M		
	963320105058	VENKATESHWARAN M		
	963320105306	THOMAS LEVIN P		
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	Presentation should be improved.
	963320105045	RAJA DURAI S		
	963320105054	SUBASH C		
	963320105059	VIJAY V		
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	Read base paper clearly
	963320105055	THANGA KRISHNAN T		
	963320105301	AKASH SERCIN C		
	963320105304	NIDISH RAM M P		

  
HOD/EEE

  
PRC member

  
Project work Co-ordinator

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade  
(AUTONOMOUS)*

**Department of Electrical and Electronics Engineering**

**Date:03.04.2024**

**CIRCULAR**

**Ref. No.: RCET/EEE/Circular/Project-Second Review/2023-2024/07**

All the final year students are instructed to submit the fabrication, design calculation / test results for the review presentation in comparison with the literature after approval from the supervisor for the evaluation of **second review** of the project work on **08.04.2024 and 09.04.2024.**

  
HOD

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1. Notice Board /EEE
2. Final Year Class Room



**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade*

**(AUTONOMOUS)**

**Department of Electrical and Electronics Engineering**

**Date:03.04.2024**

**CIRCULAR**

**Ref. No.: RCET/EEE /Circular/Review Schedule-Project work/Second Review 2023-2024/04**

All the final year BE EEE students are instructed to submit the Second Review report form of their project in the given proforma to the Project Coordinator duly signed by Supervisor and Head of the department before appearing the second review. The presentation will be reviewed by the Project work Review Committee (PRC). The students are asked to make a presentation on their hardware/software demo for the **second review** before the committee as per the schedule.

**DETAILED SCHEDULE – SECOND REVIEW**

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	08.04.24 10.00- 10.30am
	963320105043	PREDYUSHA N			
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	08.04.24 10.30- 11.00am
	963320105015	ASWI A			
	963320105023	HARISHMA JAI J P			
	963320105046	RAJA RAJESWARI S			
3	963320105012	ANU G	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	08.04.24 11.00- 11.30am
	963320105035	MONISHA JASMIN P			
	963320105044	PRIYADHARSHINI R			
	963320105052	SOWMIYA R			
4	963320105019	GOPIKA M A	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	08.04.24 11.30- 12.00noon
	963320105038	NANTHANA P B			
	963320105039	NAVA RAMYA N			
	963320105302	BALA BHARATHI K			
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	08.04.24 12.00- 12.30pm
	963320105016	EVAN FELIX M			
	963320105048	SANJAY H			
	963320105051	SHANMUGA SUNDARAM N			
6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control	08.04.24 12.30-
	963320105028	KARTHIKEYAN N			

	963320105032	MELBIN JOSE L		Driver Circuit for Autonomous Robot	1.00pm
	963320105008	ABISH MELAN C			
	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	08.04.24 1.30- 2.00pm
	963320105011	AJIL S			
	963320105031	MANIKANDAN T			
	963320105303	MUTHU PERUMAL M			
8	963320105006	ABISHEAK M T	Mrs.S.Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	08.04.24 2.00- 2.30pm
	963320105014	ARAVIND BABU S			
	963320105017	GODWIN P			
	963320105033	MOHAMED FAHMI M			
9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	09.04.24 10.00- 10.30am
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
10	963320105003	ABDUL SHAHITH S	Mr.C.EbbieSelva Kumar	Electricity Theft Detection using Machine Learning	09.04.24 10.30- 11.00am
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	09.04.24 11.00- 11.30am
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	09.04.24 11.30- 12.00noon
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	09.04.24 12.00- 12.30pm
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHERAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	09.04.24 12.30- 1.00pm
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	E-Bike Speed Controller System	09.04.24 1.30- 2.00pm
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	09.04.24 2.00- 2.30pm
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

### Instruction to the Candidates:

Absenteeism during the review dates will not be entertained

All the students should attend the project review at 10:00am sharp without fail.

  
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2. Final Year Class Room

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM**  
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(AUTONOMOUS)

Department of Electrical and Electronics Engineering  
Academic Year 2023-2024 (Even Semester)  
[08.04.2024 & 10.04.2024]

**SECOND REVIEW – Presentation Schedule**

S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	1	963320105005	ABINAYA SREE G S G. S. <i>Abinaya</i>	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	08.04.24 10.00-10.30am
2		963320105043	PREDYUSHA N <i>Predyusha</i>			
3	2	963320105009	ABITHA G <i>Abitha</i>	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	08.04.24 10.30-11.00am
4		963320105015	ASWI A <i>Aswika</i>			
5		963320105023	HARISHMA JAJ P <i>Harishma</i>			
6		963320105046	RAJA RAJESWARIS <i>Rajeswaris</i>			
7	3	963320105012	ANU G <i>Anu</i>	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	08.04.24 11.00-11.30am
8		963320105035	MONISHA JASMIN P <i>Monisha</i>			
9		963320105044	PRIYADHARSHINI K <i>Priyadharshini</i>			
10		963320105052	SOWMIYA R <i>Sowmiya</i>			
11		963320105019	GOPIKA M A <i>Gopika</i>			
12		963320105038	NANTHANA P B <i>Nanthana</i>			
13	4	963320105039	NAVA RAMYA N <i>Navar</i>	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	08.04.24 11.30-12.00noon
14		963320105302	BALA BHARATHI K <i>Bala</i>			
15	5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	08.04.24 12.00-12.30pm
16		963320105016	EVAN FELIX M			
17		963320105048	SANJAY H			
18		963320105051	SHANMUGA SUNDARAM N			
19	6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	08.04.24 12.30-1.00pm
20		963320105028	KARTHIKEYAN N			
21		963320105032	MELBIN JOSE L			
22		963320105008	ABISH MELAN C			



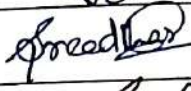
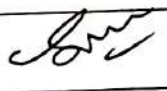
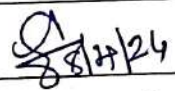

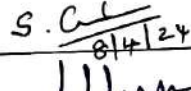
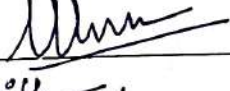
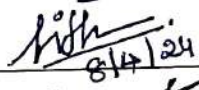
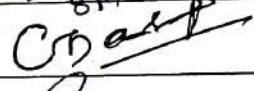
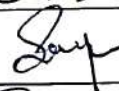
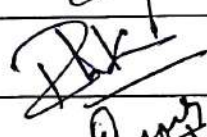
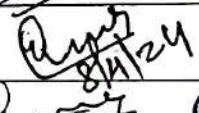
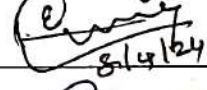
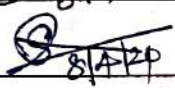
S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
23	7	963320105004	ABHJEET C	Mr.S.Sanjju	Solar Wireless Electric Vehicle Charging System	08.04.24 1.30-2.00pm
24		963320105011	AJIL S			
25		963320105031	MANIKANDAN T			
26		963320105303	MUTHU PERUMAL M			
27	8	963320105006	ABISHEAK M T	Mrs.S.Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	08.04.24 2.00-2.30pm
28		963320105014	ARAVIND BABU S			
29		963320105017	GODWIN P			
30		963320105033	MOHAMED FAHMI M			
31	9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	10.04.24 10.00-10.30am
32		963320105018	GOKULRAM K			
33		963320105029	LIWIN PAUL J			
34		963320105061	VISHWA P			
35	10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Electricity Theft Detection using Machine Learning	10.04.24 10.30-11.00am
36		963320105022	HARIHARAN G			
37		963320105030	MAHESH S			
38		963320105034	MOHAMED ZAHIR S			
39	11	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	10.04.24 11.00-11.30am
40		963320105024	HERCIN Y			
41		963320105040	NIGASH R			
42		963320105047	RUBAN S			
43	12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	10.04.24 11.30-12.00noon
44		963320105026	JOSEPH VIVANTH V			
45		963320105036	MURUGAN S			
46		963320105053	SRIKANTH G			
47	13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	10.04.24 12.00-12.30pm
48		963320105056	THIVAKAR V			
49		963320105060	VINCENT J			
50		963320105305	SHIBU RAO H			

S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
51	14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	10.04.24 12.30-1.00pm
52		963320105057	VELLAIYAN M			
53		963320105058	VENKATESHWARAN M			
54		963320105306	THOMAS LEVIN P			
55	15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	E-Bike Speed Controller System	10.04.24 1.30-2.00pm
56		963320105045	RAJA DURAI S			
57		963320105054	SUBASH C			
58		963320105059	VIJAY V			
59	16	963320105050	SHAMBEEM AHAMED MI	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	10.04.24 2.00-2.30pm
60		963320105055	THANGA KRISHNAN T			
61		963320105301	AKASH SERCIN C			
62		963320105304	NIJISH RAM M P			

  
HoD/EEE

  
Project Co-ordinator

**Members Present:**

Sl No	Name of the faculty / Designation	Signature with Date
1.	Dr. D. SAM HARISON	
2.	Mr. P. JEYAKUMAR	
3.	Dr. T. SREEDHAR	
4.	Dr. G K. JABASH SAMUEL	
5.	Dr. N. AMUTHA PRIYA	
6.	Dr.D.BINU	
7.	Mr. S. GOPAKUMAR	
8.	Mr. G. MURUGAN	
9.	Mrs. S. NITHYA	
10.	Mr. C. BASKER	
11.	Mr. S. SANJU	
12.	Mr. R. PADMA KUMAR	
13.	Mr.C. EBBIE SELVAKUMAR	
14.	Dr.C.SOWTHILY	
15.	Mr.M.JIBIN	

  
HOD/EEE

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM**  
*Accredited by NAAC with A+ Grade (AUTONOMOUS)*  
**Department of Electrical and Electronics Engineering**  
**Academic Year 2023-2024 (Even Semester)**  
**SECOND REVIEW [08.04.2024 & 10.04.2024]**  
**Comments of Project Review Committee**

S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Comments
1	1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	Good
2		963320105043	PREDYUSHA N			
3	2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	More analysis to be made
4		963320105015	ASWI A			
5		963320105023	HARISHMA JAI J P	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	Simulation results can be obtained with varied inputs
6		963320105046	RAJA RAJESWARIS			
7	3	963320105012	ANU G	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	Good.
8		963320105035	MONISHA JASMIN P			
9		963320105044	PRIYADHARSHINI R	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Block diagrams explanation should be improved.
10		963320105052	SOWMIYA R			
11	4	963320105019	GOPIKA M A	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	Presentation should be clear.
12		963320105038	NANTHANA P B			
13		963320105039	NAVA RAMYA N	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	Read base paper clearly.
14		963320105302	BALA BHARATHI K			
15	5	963320105001	ABDUL RAHMAN N	Mrs.S.Nithya		
16		963320105016	EVAN FELIX M			
17		963320105048	SANJAY H	Mrs.S.Nithya		
18		963320105051	SHANMUGA SUNDARAM N			
19	6	963320105002	ABDUL RAZIQ ALI A S	Mrs.S.Nithya		
20		963320105028	KARTHIKEYAN N			
21		963320105032	MELBIN JOSE L	Mrs.S.Nithya		
22		963320105008	ABISH MELAN C			
23	7	963320105004	ABHIJEET C	Mrs.S.Nithya		
24		963320105011	AJIL S			
25		963320105031	MANIKANDAN T	Mrs.S.Nithya		
26		963320105303	MUTHU PERUMAL M			
27	8	963320105006	ABISHEAK M T	Mrs.S.Nithya		
28		963320105014	ARAVIND BABU S			

Clear explanation  
is needed.

Do more analysis

Data Collection  
Should be improved

Base paper is  
not clear

Suggest to be  
clear with base

Good

Do more  
analysis

Need clear  
explanation

Read more  
papers

29	963320105017	GODWIN P	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Mr.G.Murugan	
30	963320105033	MOHAMED FAHMI M			
31	963320105007	ABISHEK D M	Smart E-Petrol Bunk		
32	963320105018	GOKULRAM K			
33	963320105029	LIWIN PAUL J			
34	963320105061	VISHWA P			
35	963320105003	ABDUL SHAHITH S	Electricity Theft Detection using Machine Learning	Mr.C.Ebbie Selva Kumar	
36	963320105022	HARIHARAN G			
37	963320105030	MAHESH S			
38	963320105034	MOHAMED ZAHIR S			
39	963320105021	HAMJIN J	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Mr.C.Basker	
40	963320105024	HERCIN Y			
41	963320105040	NIGASH R			
42	963320105047	RUBAN S			
43	963320105025	JOHNY BABISH J P	Automated Person Detection and Attendance System using Image Processing Techniques	Dr.D.Binu	
44	963320105026	JOSEPH VIVANTH V			
45	963320105036	MURUGAN S			
46	963320105053	SRIKANTH G			
47	963320105027	JUDE MAKVINT	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	Dr.N.Amutha Priya	
48	963320105056	THIVAKAR V			
49	963320105060	VINOTH J			
50	963320105305	SHESERAO B			
51	963320105037	MUTHU SELVAN A	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	Mr.R.Padma Kumar	
52	963320105057	VELLAIYAN M			
53	963320105058	VENKATESHWARAN M			
54	963320105306	THOMAS LEVIN P			
55	963320105042	PRAVEEN R	E-Bike Speed Controller System	Mr.P.Jeya Kumar	
56	963320105045	RAJA DURAI S			
57	963320105054	SUBASH C			
58	963320105059	VIJAY V			
59	963320105050	SHAMEEM AHAMED M I	IoT based Automatic Railway Crack Detection and Alerting System	Dr.G.K.Jabash Samuel	
60	963320105055	THANGA KRISHNANT			
61	963320105301	AKASH SERGIN C			
62	963320105304	NIDISH RAM M P			



S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Comments
1	1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	Analytic Work should be concentrated
2		963320105043	PREDYUSHA N			
3	2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	Good
4		963320105015	ASWI A			
5		963320105023	HARISHMA JAI J P			
6		963320105046	RAJA RAJESWARI S			
7	3	963320105012	ANU G	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	Do more research on Project
8		963320105035	MONISHA JASMIN P			
9		963320105044	PRIYADHARSHINI R			
10		963320105052	SOWMIYA R			
11	4	963320105019	GOPIKA M A	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	Identify the practical difficulties
12		963320105038	NANTHANA P B			
13		963320105039	NAVA RAMYA N			
14		963320105302	BALA BHARATHI K			
15	5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Read base paper clearly
16		963320105016	EVAN FELIX M			
17		963320105048	SANJAY H			
18		963320105051	SHANMUGA SUNDARAM N			
19	6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	Presentation clarity Should be improved
20		963320105028	KARTHIKEYAN N			
21		963320105032	MELBIN JOSE L			
22		963320105008	ABISH MELAN C			
23	7	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	Good
24		963320105011	AJIL S			
25		963320105031	MANIKANDAN T			
26		963320105303	MUTHU PERUMAL M			
27	8	963320105006	ABISHEAK M T	Mrs.S.Nithya		
28		963320105014	ARAVIND BABU S			

29	963320105017	GODWIN P	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Mr.G.Murugan	Analytic work should be concentrated
30	963320105033	MOHAMED FAHMI M	Smart E-Petrol Bunk	Mr.G.Murugan	Do more research on Project
31	963320105007	ABISHEK D M			
32	963320105018	GOKULRAM K			
33	963320105029	LIWIN PAUL J			
34	963320105061	VISHWA P			
35	963320105003	ABDUL SHAHITH S	Electricity Theft Detection using Machine Learning	Mr.C.Ebbie Selva Kumar	Read the base paper.
36	963320105022	HARIHARAN G			
37	963320105030	MAHESH S			
38	963320105034	MOHAMED ZAHIR S	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Mr.C.Basker	Good
39	963320105021	HAMJIN J			
40	963320105024	HERCIN Y			
41	963320105040	NIGASH R			
42	963320105047	RUBAN S			
43	963320105025	JOHNY BABISH J P	Automated Person Detection and Attendance System using Image Processing Techniques	Dr.D.Binu	Explanation should be clear.
44	963320105026	JOSEPH VIVANTH V			
45	963320105036	MURUGAN S			
46	963320105053	SRIKANTH G			
47	963320105027	JUDE MAKVIN T			
48	963320105056	THIVAKAR V	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	Dr.N.Amutha Priya	Do more work on the project.
49	963320105060	VINOTH J			
50	963320105305	SHESERAO B			
51	963320105037	MUTHU SELVAN A	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	Mr.R.Padma Kumar	Identify the Practical difficulties
52	963320105057	VELLAIYAN M			
53	963320105058	VENKATESHWARAN M			
54	963320105306	THOMAS LEVIN P			
55	963320105042	PRAVEEN R			
56	963320105045	RAJA DURAI S	E-Bike Speed Controller System	Mr.P.Jeya Kumar	Block diagram should be improved
57	963320105054	SUBASH C			
58	963320105059	VIJAY V			
59	963320105050	SHAMEEM AHAMED M I	IoT based Automatic Railway Crack Detection and Alerting System	Dr.G.K.Jabash Samuel	Explanation should be clear.
60	963320105055	THANGA KRISHNAN T			
61	963320105301	AKASH SERCIN C			
62	963320105304	NOBIL KAM M P			

S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Comments
1	1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	Analytic Work Should be concentrated
2		963320105043	PREDYUSHA N			
3		963320105009	ABITHA G			
4	2	963320105015	ASWI A	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	Explanation is Should be clear
5		963320105023	HARISHMA JAI J P			
6		963320105046	RAJA RAJESWARI S			
7		963320105012	ANU G			
8	3	963320105035	MONISHA JASMIN P	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	Good.
9		963320105044	PRIYADHARSHINI R			
10		963320105052	SOWMIYA R			
11	4	963320105019	GOPIKA M A	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	Simulation output can be varied, with input.
12		963320105038	NANTHANA P B			
13		963320105039	NAVA RAMYA N			
14		963320105302	BALA BHARATHI K			
15	5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Block diagram Should be improved
16		963320105016	EVAN FELIX M			
17		963320105048	SANJAY H			
18		963320105051	SHANMUGA SUNDARAM N			
19	6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	Identify the Practical difficulties.
20		963320105028	KARTHIKEYAN N			
21		963320105032	MELBIN JOSE L			
22		963320105008	ABISH MELAN C			
23	7	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	Good.
24		963320105011	AJIL S			
25		963320105031	MANIKANDAN T			
26		963320105303	MUTHU PERUMAL M			
27	8	963320105006	ABISHEAK M T	Mrs.S.Nithya		
28		963320105014	ARAVIND BABU S			

29	963320105017	GODWIN P	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Do more research on the project
30	963320105033	MOHAMED FAHMI M	Smart E-Petrol Bunk	Read the base Paper clearly
31	963320105007	ABISHEK D M		
32	963320105018	GOKULRAM K		
33	963320105029	LIWIN PAUL J		
34	963320105061	VISHWA P		
35	963320105003	ABDUL SHAHITH S		
36	963320105022	HARIHARAN G		
37	963320105030	MAHESH S	Electricity Theft Detection using Machine Learning	Analytic work should be concentrated
38	963320105034	MOHAMED ZAHIR S	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Good
39	963320105021	HAMJIN J		
40	963320105024	HERCIN Y		
41	963320105040	NIGASH R		
42	963320105047	RUBAN S	Automated Person Detection and Attendance System using Image Processing Techniques	Presentation should be clear.
43	963320105025	JOHNY BABISH J P		
44	963320105026	JOSEPH VIVANTH V		
45	963320105036	MURUGAN S		
46	963320105053	SRIKANTH G	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	Read the base Paper clearly.
47	963320105027	JUDE MAKVIN T		
48	963320105056	THIVAKAR V		
49	963320105060	VINOTH J		
50	963320105305	SHERAO B	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	Practical implementation must be verified.
51	963320105037	MUTHU SELVAN A		
52	963320105057	VELLAIYAN M		
53	963320105058	VENKATESHWARAN M		
54	963320105306	THOMAS LEVIN P	E-Bike Speed Controller System	Analytic research should be done.
55	963320105042	PRAVEEN R		
56	963320105045	RAJA DURAI S		
57	963320105054	SUBASH C		
58	963320105059	VIJAY V	IoT based Automatic Railway Crack Detection and Alerting System	Good.
59	963320105050	SHAMEEM AHAMED M I		
60	963320105055	THANGA KRISHNAN T		
61	963320105301	AKASH/SERCIN C		
62	963320105304	NISH RAM M P		

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade [AUTONOMOUS]*

**Department of Electrical and Electronics Engineering**

**Date:22.04.2024**

**Ref. No.: RCET/EEE/Circular/Third Review-Project Draft report /2023-2024/08**

**CIRCULAR**

All the final year students are asked to present the completed project with demonstration/ PPT for **third review** on 27.04.2024, 29.04.2024 and 30.04.2024 as per the presentation schedule. Students are instructed to submit the draft project report in compliance with the university requirement for scrutiny.

  
**HOD/EEE**

Copy to

1. Notice Board /EEE
2. Final Year Class Room

# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

Accredited by NAAC with A+ Grade

(AUTONOMOUS)

## Department of Electrical and Electronics Engineering

Date:22.04.2024

### CIRCULAR

**Ref.No.:RCET/EEE/Circular/Review Schedule-Project work/Third Review 2023-2024/05**

All the final year BE EEE students are instructed to submit the Third Review report form of their project in the given proforma to the Project Coordinator duly signed by Supervisor and Head of the department before appearing the third review. The presentation will be reviewed by the Project work Review Committee (PRC). Students are asked to make a presentation on their hardware/software demo for the **third review** before the committee as per the schedule.

### DETAILED SCHEDULE – THIRD REVIEW

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	27.04.24 10.00- 10.30am
	963320105043	PREDYUSHA N			
3	963320105012	ANU G	Dr.D.Sam Harison	Aging Mitigation for Battery Energy Storage System in Electric Vehicles	27.04.24 11.00- 11.30am
	963320105035	MONISHA JASMIN P			
	963320105044	PRIYADHARSHINI R			
	963320105052	SOWMIYA R			
4	963320105019	GOPIKA M A	Dr.D.Binu	Next-Gen Helmets: Implementing AI for Real-Time Hazard Detection	27.04.24 11.30- 12.00noon
	963320105038	NANTHANA P B			
	963320105039	NAVA RAMYA N			
	963320105302	BALA BHARATHI K			
6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	27.04.24 12.30- 1.00pm
	963320105028	KARTHIKEYAN N			
	963320105032	MELBIN JOSE L			
	963320105008	ABISH MELAN C			
8	963320105006	ABISHEAK M T	Mrs.S.Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	27.04.24 2.00- 2.30pm
	963320105014	ARAVIND BABU S			
	963320105017	GODWIN P			
	963320105033	MOHAMED FAHMI M			
9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	27.04.24 10.00- 10.30am
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	29.04.24 10.30- 11.00am
	963320105015	ASWI A			
	963320105023	HARISHMA JAI J P			
	963320105046	RAJA RAJESWARI S			
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	29.04.24 12.00- 12.30pm
	963320105016	EVAN FELIX M			
	963320105048	SANJAY H			
	963320105051	SHANMUGA SUNDARAM N			

7	963320105004	ABHIJEET C	Mr.S.Sanju	Solar Wireless Electric Vehicle Charging System	29.04.24 1.30- 2.00pm
	963320105011	AJIL S			
	963320105031	MANIKANDAN T			
	963320105303	MUTHU PERUMAL M			
10	963320105003	ABDUL SHAHITH S	Mr.C.Ebbie Selva Kumar	Electricity Theft Detection using Machine Learning	29.04.24 10.30- 11.00am
	963320105022	HARIHARAN G			
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
11	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	29.04.24 11.00- 11.30am
	963320105024	HERCIN Y			
	963320105040	NIGASH R			
	963320105047	RUBAN S			
12	963320105025	JOHNY BABISH J P	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	29.04.24 11.30- 12.00noon
	963320105026	JOSEPH VIVANTH V			
	963320105036	MURUGAN S			
	963320105053	SRIKANTH G			
13	963320105027	JUDE MAKVIN T	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	30.04.24 12.00- 12.30pm
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
	963320105305	SHERAO B			
14	963320105037	MUTHU SELVAN A	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	30.04.24 12.30- 1.00pm
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
15	963320105042	PRAVEEN R	Mr.P.Jeya Kumar	E-Bike Speed Controller System	30.04.24 1.30- 2.00pm
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VIJAY V			
16	963320105050	SHAMEEM AHAMED M I	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	30.04.24 2.00- 2.30pm
	963320105055	THANGA KRISHNAN T			
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			

### Instruction to the Candidates:

Absenteeism during the review dates will not be entertained

All the students should attend the project review at 10:00am sharp without fail.

  
HOD/EEE

Copy to

1. Notice Board /EEE
2. Final Year Class Room

# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

Accredited by NAAC with A+ Grade (AUTONOMOUS)

Department of Electrical and Electronics Engineering

Academic Year 2023-2024 (Even Semester)

[27.04.2024, 29.04.2024 & 30.04.2024]

THIRD REVIEW – Presentation Schedule

Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Schedule (Date & Time)
1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	27.04.24 10.00-10.45am
	963320105043	PREDYUSHA N			
3	963320105012	ANU G	Dr.D.Sam Harison	Aging Mitigation of Battery Management System in Electric Vehicle using MATLAB	27.04.24 10.45-11.30am
	963320105035	MONISHA JASMIN P			
	963320105044	PRİYADHARSHINI R			
	963320105052	SOWMIYA R			
4	963320105019	GOPIKA M A	Dr.D.Binu	Real Time Hazard Detection using Smart Helmet	27.04.24 11.30-12.15pm
	963320105038	NANTHANA P B			
	963320105039	NAVA RAMYAN			
	963320105302	BALA BHARATHI K			
6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	27.04.24 12.15-1.00pm
	963320105028	KARTHIKEYAN N			
	963320105032	MELBIN JOSE L			
	963320105008	ABISH MELAN C			
8	963320105006	ABISHEAK M T	Mrs.S.Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	27.04.24 2.00-2.45pm
	963320105014	ARAVIND BABU S			
	963320105017	GODWIN P			
	963320105033	MOHAMED FAHMIM			
9	963320105007	ABISHEK D M	Mr.G.Murugan	Smart E-Petrol Bunk	27.04.24 2.45-3.30pm
	963320105018	GOKULRAM K			
	963320105029	LIWIN PAUL J			
	963320105061	VISHWA P			
2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	29.04.24 11.15-12.00noon
	963320105015	ASWI A			
	963320105023	HARISHMA JAI J P			
	963320105046	RAJA RAJESWARIS			
5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	29.04.24 12.00-12.45pm
	963320105016	EVAN FELIX M			
	963320105048	SANIJAY H			
	963320105051	SHANMUGA SUNDARAM N			

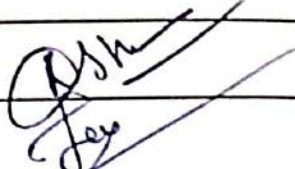





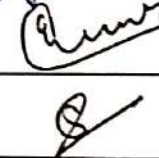






7	963320105004	ABHIDEET C	Mr.S.Sanju	Brain controlled Smart Home Automation System	29.04.24 1.30-2.15pm
	963320105011	AJIL S			
	963320105031	MANIKANDAN T			
	963320105303	MUTHU PERUMAL M			
	963320105003	ABDUL SHAHITH S			
10	963320105022	HARIHARAN G	Mr.C.Ebbie Selva Kumar	IoT based Electricity Theft Identification	29.04.24 2.15-3.00pm
	963320105030	MAHESH S			
	963320105034	MOHAMED ZAHIR S			
	963320105021	HAMJIN J			
11	963320105024	HERCIN Y	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	29.04.24 3.00-3.45pm
	963320105040	NIGASH R			
	963320105047	RUBAN S			
	963320105025	JOHNY BABISH J P			
	963320105026	JOSEPH VIVANTH V			
12	963320105036	MURUGAN S	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	30.04.24 11.15-12.00noon
	963320105053	SRIKANTH G			
	963320105027	JUDE MAKVIN T			
	963320105056	THIVAKAR V			
	963320105060	VINOTH J			
13	963320105305	SHESERAO B	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	30.04.24 12.00-12.45pm
	963320105037	MUTHU SELVAN A			
	963320105057	VELLAIYAN M			
	963320105058	VENKATESHWARAN M			
	963320105306	THOMAS LEVIN P			
14	963320105042	PRAVEEN R	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	30.04.24 1.30-2.15pm
	963320105045	RAJA DURAI S			
	963320105054	SUBASH C			
	963320105059	VUJAY V			
	963320105050	SHAMEEM AHAMED M I			
15	963320105055	THANGA KRISHNAN T	Mr.P.Jeya Kumar	Solar Uninterruptible Power Supply	30.04.24 2.15-3.00pm
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			
	963320105304	NIDISH RAM M P			
16	963320105055	THANGA KRISHNAN T	Dr.G.K.Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	30.04.24 3.00-3.45pm
	963320105301	AKASH SERCIN C			
	963320105304	NIDISH RAM M P			
	963320105304	NIDISH RAM M P			
	963320105304	NIDISH RAM M P			

Project Co-ordinator

HOD/EEE

**Members Present:**

Sl No	Name of the faculty / Designation	Signature with Date
1.	Dr. D. SAM HARISON	
2.	Mr. P. JEYAKUMAR	
3.	Dr. T. SREEDHAR	
4.	Dr. G K. JABASH SAMUEL	
5.	Dr. N. AMUTHA PRIYA	
6.	Dr.D.BINU	
7.	Mr. S. GOPAKUMAR	
8.	Mr. G. MURUGAN	
9.	Mrs. S. NITHYA	
10.	Mr. C. BASKER	
11.	Mr. S. SANJU	
12.	Mr. R. PADMA KUMAR	
13.	Mr.C. EBBIE SELVAKUMAR	
14.	Dr.C.SOWTHILY	
15.	Mr.M.JIBIN	

  
HOD/EEE

# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM

Accredited by NAAC with A+ Grade(AUTONOMOUS)

Department of Electrical and Electronics Engineering

Academic Year 2023-2024 (Even Semester)

[27.04.2024, 29.04.2024 & 30.04.2024]

## THIRD REVIEW - Comments of Project Review Committee

S.No	Batch No.	Register No.	Student's Name	Supervisor	Title of the Project	Comments
1	1	963320105005	ABINAYA SREE G S	Dr.C.Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	Good
2		963320105043	PREDYUSHA N			
3	2	963320105009	ABITHA G	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	More analysis to be made
4		963320105015	ASWI A			
5		963320105023	HARISHMA JAI J P	Dr.D.Sam Harison	Aging Mitigation of Battery Management System in Electric Vehicle using MATLAB	Simulation results can be obtained with varied input
6		963320105046	RAJA RAJESWARIS			
7	3	963320105012	ANU G	Dr.D.Binu	RealTime Hazard Detection using Smart Helmet	Good.
8		963320105035	MONISHA JASMIN P			
9		963320105044	PRIYADHARSHINI R	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Explanation should be clear on the proposed work.
10		963320105052	SOWMIYA R			
11	4	963320105019	GOPIKA M A	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	More analysis should be made.
12		963320105038	NANTHANA P B			
13		963320105039	NAVA RAMYA N	Mr.S.Sanju	Brain controlled Smart Home Automation System	Presentation should be improved.
14		963320105302	BALA BHARATHIK			
15	5	963320105001	ABDUL RAHMAN N	Dr.C.Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	More analysis should be made.
16		963320105016	EVAN FELIX M			
17		963320105048	SANJAY H	Mr.S.Gopa Kumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	More analysis should be made.
18		963320105051	SHANMUGA SUNDARAM N			
19	6	963320105002	ABDUL RAZIQ ALI A S	Mr.S.Sanju	Brain controlled Smart Home Automation System	Presentation should be improved.
20		963320105028	KARTHIKEYAN N			
21		963320105032	MELBIN JOSE L	Mr.S.Sanju	Brain controlled Smart Home Automation System	Presentation should be improved.
22		963320105008	ABISH MELAN C			
23	7	963320105004	ABHIJEET C	Mr.S.Sanju	Brain controlled Smart Home Automation System	Presentation should be improved.
24		963320105011	AJIL S			
25		963320105031	MANIKANDAN T	Mr.S.Sanju	Brain controlled Smart Home Automation System	Presentation should be improved.
26		963320105303	MUTHU PERUMAL M			

27	963320105006	ABISHAK M T				
28	963320105014	ARAVIND BABU S	Mrs.S.Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Learn the base paper clearly	
29	963320105017	GODWIN P	Mr.G.Murugan	Smart E-Petrol Bunk	Have to improve the Presentation	
30	963320105033	MOHAMED FAHMI M				
31	963320105007	ABISHEK D M				
32	963320105018	GOKULRAM K				
33	963320105029	LIWIN PAUL J				
34	963320105061	VISHWA P	Mr.C.EbbieSelva Kumar	IoT based Electricity Theft Identification	Proposed methodology should be improved	
35	963320105003	ABDUL SHAHITH S				
36	963320105022	HARIHARAN G				
37	963320105030	MAHESH S				
38	963320105034	MOHAMED ZAHIR S				
39	963320105021	HAMJIN J	Mr.C.Basker	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Presentation should be clear	
40	963320105024	HERCIN Y				
41	963320105040	NIGASH R				
42	963320105047	RUBAN S				
43	963320105025	JOHNY BABISH J P				
44	963320105026	JOSEPH VIVANTH V	Dr.D.Binu	Automated Person Detection and Attendance System using Image Processing Techniques	Analytic work should be done	
45	963320105036	MURUGAN S				
46	963320105033	SRIKANTH G				
47	963320105027	JUDE MAKVIN T				
48	963320105036	THIVAKAR V				
49	963320105060	VINOTH J	Dr.N.Amutha Priya	Cost impact analysis through Energy Audit at Stone Sculptural works industry for optimal operation	Read base paper clearly	
50	963320105305	SHERAO B				
51	963320105037	MUTHU SELVAN A				
52	963320105057	VELLAIYAN M				
53	963320105058	VENKATESHWARAN M				
54	963320105306	THOMAS LEVIN P	Mr.R.Padma Kumar	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	Presentation should be improved,	
55	963320105042	PRAVEEN R				
56	963320105045	RAJA DURAI S				
57	963320105054	SUBASH C				
58	963320105059	VIJAY V				
			Mr.P.Jeya Kumar	Solar Uninterruptible Power Supply	Presentation should be clear	

59	963320105050	SHAMEEM AHAMED M I	Dr. G.K. Jabash Samuel	IoT based Automatic Railway Crack Detection and Alerting System	Good
60	963320105055	THANGA KRISHNAN T			
61	963320105301	AKASH SERCIN C			
62	963320105304	NIDISH RAM M P			

  
Project Co-ordinator

  
HOD/EEE

ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY, PALKULAM  
Accredited by NAAC with A+ Grade

Department of Electrical and Electronics Engineering

Form 1: PROJECT TITLE APPROVAL FORM

Academic Year: 2023-24

Course/Year: IV BE

Semester: VIII

Students Name

Roll Number

Register Number

G. S. Abinaya Sree

963320105005

N. Preedyusha

963320105043

Title of the Project:

Eye ball sensor for Automatic wheelchair for  
Paralyzed patients

Motivation of the work: (Maximum 100 words)

⇒ To provide a more intuitive and accessible control mechanism. Traditional wheel chair controls can be challenging for individuals with severe mobility impairments. It allows to control the wheel chair movement.

Objectives of the Study:

1. To provide a reliable and intuitive method for users to control the wheel chair using eye movements.
2. To operate the wheel chair independently without relying on external assistance.

Scope of the work: (Maximum 75 words)

The future potential of an eye blink - controlled automatic wheelchair with obstacle - avoiding features is promising for the advancement of assistive technology.

Supervisor's Comments:

Shij.  
N. Preedyusha

Students' signature

  
Supervisor's signature

  
HoD signature

Batch 1

# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY, PALKULAM

Accredited by NAAC with A+ Grade

## Department of Electrical and Electronics Engineering B.E FINAL YEAR PROGRESS REVIEW REPORT I

1	Name of the Students with Register Numbers	G.S. Abinaya Sree - 963320105005 N.Predyusha - 963320105043
2	Contact Details	Mobile: 8760323269 Email: projectwheelchairbatch1@gmail.com
3	Name of the Guide	Dr.C. Sowthily
4	Title of the project	Eye ball sensor for Automatic wheelchair for paralyzed patients
5	Duration Completed	Months: 01
6	Review Details	Date of Review: 5.5.2024 Review No: I
7	Problem Statement:(Attach one page with detailed facts and figures and the parameters, as applicable to the project )	Attached
8	Expected Outcome: The students have to describe in brief about the expected outcomes (in 1-2pages) of their project. Every project is expected to improve a product or a process. This statement of expected outcome will gauge the innovation index and the extent to which the project satisfies the needs of some industry or society.	Attached
9	Work Done so far to attain the Objectives (in %)	250%
10	Work to be carried out for the next one month	Software Development
11	Visible Research Output During the Review Period	International Conferences: 0 International Journals: - Patent

## DECLARATION

The above given information are true to the best of my knowledge.

Date: 5.5.2024

*N. Predyusha*  
Signature of the Student

12	Remarks, if any, by the Review Committee	
Signature of the Review Committee Member		Signature of the Guide

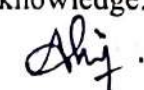

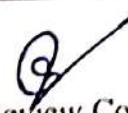

According to a new report prepared jointly by the World Health Organization and the World Bank 15% of the world's population is disabled. Paralysis is one of the biggest causes to mankind. The person affected by physical disabilities use an automatic wheelchair and they do not have ability to control the powered wheelchair using joystick and hand movements as it is longer for the person to move. In worst case paralysis person could move only his eye. So eyeball movement-based wheelchair would help the best of those automatic wheelchair. Primary goal was to detect eye in real-time and to keep track on it.



8. The proposed wheelchair model is designed and tested. This wheelchair is tested on outdoor and built specifically for indoor use. DC motor are performing well while bearing up to 70 kgs limit. Batteries used in the project are sufficient to provide enough power supply to the motor and electric circuit. The resulted accuracy of the tracking device is 90-90%. It has been tested using 4 different person. The eye tracking device made using transparent glasses and IR sensor is performing well under testing procedure. The performance measure criteria in this study are:

- i) calibration time
- ii) Accuracy.

**ROIINI COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**BE SIXTH SEMESTER PROGRESS REVIEW REPORT II**

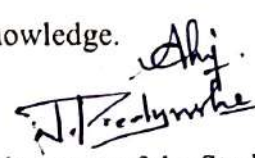
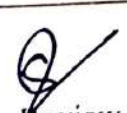

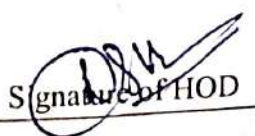
1	Name of the Students with Register Numbers	G.S. Abinaya Sree - 963320105005 N. Preedysha - 963320105043
2	Contact Details	Mobile: 8760829269 Email: Projectwheelchairbatch1@gmail.com
3	Name of the Guide	Dr. C. Sowthily
4	Topic of Project	Eye ball sensor for automatic wheelchair for paralyzed patients
5	Duration Completed	Months: 9
6	Review Details	Date of Review: 8-4-2024 Review No: II
7	Literature Review: (Attach one page a critical appraisal of the previous work published in the literature pertaining to the topic of the investigation. The extent and emphasis of the Literature review shall depend on the nature of the investigation)	Attached
8	Report on the present investigation: shall be presented in two pages. It covers experimental setups, procedures adopted, techniques developed, methodologies developed and adopted.	Attached
9	Work Done so far to attain the Objectives (in %)	75 %
10	Work to be carried out for the next one month	Hardware Development
11	Visible Research Output During the Review Period	International Conferences: Modern trends in engineering + Management International Journals: Patent
<p><b>DECLARATION</b></p> <p>The above given information is true to the best of my knowledge.</p> <p style="text-align: right;">     Signature of the Student </p> <p>Date: 8/4/24</p>		
12	Remarks, if any, by the Review Committee	
 Signature of the Review Committee Member		 Signature of the Guide

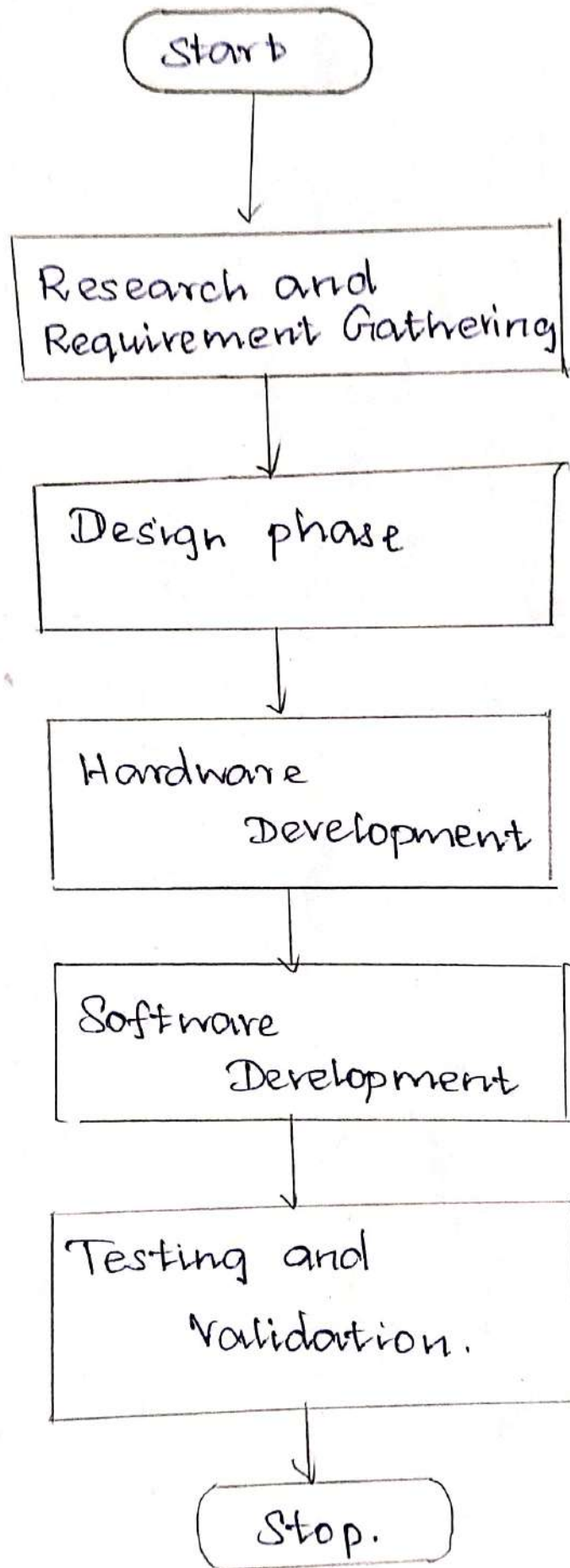
Most physically challenged people to rely on  
ers for their motion and the number of  
ch people is increasing day by day.  
Manual wheelchair are quite difficult to  
operate by physically challenged people as  
they require force for the motion. Hand  
defect and stroke make them have  
limitations in doing activities. It caused  
their hand has paralyzed. Hence, they find  
it difficult to do daily activities, such  
as running a wheelchair, choosing a menu  
on the screen display and so on. The  
inability to control the limbs is the main  
reason that affect the daily activities of  
disabled which causes social restrictions and  
isolation.

Automatic wheelchair system is basically based on mechanical and the electronic system. Nowadays, there are so many ways to make automatic wheelchair. In this system eye blink sensor is used to control the wheelchair. First, the mapping of the house or any area is done and then the command signal is given to the wheelchair by eye blink sensor and the controller. When the eye blink sensor detects the blink then the wheelchair moves forward, left, right and backward and stop.

The IR sensors are used to monitor eye blinking of user. There is sonar sensor also available in front part of wheelchair for obstacle detection. There is a buzzer for alerting user and people nearby wheelchair.

**ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY, PALKULAM**  
 Accredited by NAAC with A+ Grade (AUTONOMOUS)  
 Department of Electrical and Electronics Engineering  
**B.E FINAL YEAR PROJECT PROGRESS REVIEW REPORT III**

1	Name of the Student	G.S. Abinaya Sree - 963320105005 N.Predyusha
2	Register Number	963320105005, 963320105043
3	Contact Details	Mobile: 8760323269 Email: Projectwheelchairbatch1@gmail.com
4	Name of the Guide	Dr. C. Sowthika
5	Topic of the project	Eye ball sensor for automatic wheelchair for paralyzed patients
6	Date of Review	27-04-2024
7	Aim of the project	To empower paralyzed individuals that <del>with</del> enhances their independence contributing to an overall improvement in the quality of life for paralyzed
8	Important Objectives of the Project Work	1. Increased confidence 2. Efficient Navigation 3. Stress reduction about obstacles
9	Work Plan (Flow chart)	Attached
12	Experimental Work Details	An eye-ball sensor system is developed to control an automatic wheelchair to improve system achieved an accuracy of 97-95% mobility.
13	Results	Demonstrating its effectiveness in controlling <del>allows</del> the user to control their wheelchair with gaze
14	Important Findings	Greatly improve the independence.
14	Visible Research Output During the Review Period	Visual charts comparing the performance of the eye ball sensor system with existing solutions.
DECLARATION The above given information are true to the best of my knowledge.		
Date: 27-04-2024		 Signature of the Student
15	Remarks, if any, by the Review Committee	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div align="center">                           Signature of the Review Committee Member                     </div> <div align="center">                           Signature of the Guide                     </div> <div align="center">                           Signature of HOD                     </div> </div>		



**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
PALKULAM**

*Accredited by NAAC with A+ Grade [AUTONOMOUS]*

**Department of Electrical and Electronics Engineering**

**Date:02.05.2024**

**Ref. No. : RCET/EEE/Circular/ Project – Viva Voce 2020-2024/09**

**CIRCULAR**

All the final year students are asked to submit the final project report in compliance with the university requirement on or before 07.05.2024. The final viva voce examination is to be conducted by the committee of external examiner appointed by the university. Best projects will be identified by the External, Head of the Department and the Project Co-ordinator for rewards and implementation.

  
**HOD/EEE**

**Copy to**

- 1. Notice Board /EEE**
- 2. Final Year Class Room**



# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE and Affiliated to Anna University, (An ISO Certified Institution)

Accredited with A+ Grade by NAAC

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Variyoor Post,  
Kanyakumari District - 629 401. Tel: 04652 - 266665 | Mob: 9894218888

Email: admin@rcet.org.in | Website: www.rcet.org.in



## PROJECT LOG BOOK

Name of the Faculty : Dr. D. SAM HARISON, ME, PH.D.

Course Code / Title : EE8811 - PROJECT WORK

Class / Branch : IV - BE EEE

Year / Semester : IV / VIII

Academic Year : 2023 - 2024



### VISION

To create technically competent technocrats to meet the demand of Electrical and Electronics industry and societal need for the well being of humankind.

### MISSION

- \* To provide knowledge and skills necessary for professional development in Electrical and Electronics Engineering.
- \* To promote research and creativity in the area of Electrical and Electronics Engineering.
- \* To promote team work and professional conduct in societal activities.

### Programme Educational Objectives [PEO's]

1. Graduates of the programme will possess career in electrical and allied fields.
2. Graduates will have the ability to adapt to the growing technological requirement of the society through lifelong learning and team work.
3. Graduates of the programme will possess knowledge to pursue higher studies.

# ROHINI

## COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE and Affiliated to Anna University, (An ISO Certified Institution)

Accredited with A+ Grade by NAAC

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Variyoor Post,  
Kanyakumari District - 629 401. Tel: 04652 - 266665 | Mob: 9894218888

Email: admin@rcet.org.in | Website: www.rcet.org.in

### PROJECT LOG BOOK



Name of the Staff : Dr. D. SAM HARISON, ME., Ph.D.,

Course Code / Title : EE8811 - PROJECT WORK

Class / Branch : IV - BE EEE

Year / Semester : IV / VIII

Name of the Faculties : 1) Dr. N. AMUTHA PRIYA, Dr. C. SOWTHILY  
2) Mr. S. GOPAKUMAR

Academic Year : 2023 - 2024 Total No. of Students : 62














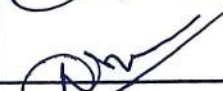












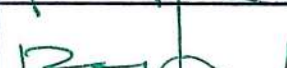















Course Starting Date : 01-02-2024 Ending Date : 03-05-2024

  
Faculty in Charge

  
NOD

  
Principal

## SUBMISSION & ACADEMIC REVIEW

Week No.	Date	Staff Signature	HOD Signature	Principal Signature
1	5-02-24			
2	12-02-24			
3	19-02-24			
4	26-02-24			
5	04-03-24			
6	13-03-24			
7	18-03-24			
8	25-03-24			
9	01-04-24			
10	08-04-24			
11	15-04-24			
12	22-04-24			
13	29-04-24			
14	06-05-24			
15				

  
Faculty In Charge

  
HOD

  
Principal

## GENERAL INSTRUCTIONS

Review No.	Work to be Completed
Zero <sup>th</sup>	<ul style="list-style-type: none"><li>✓ Students are instructed to submit the title of the project in a given proforma to the Project Coordinator.</li><li>✓ The submitted project titles are reviewed by a Review committee consisting of Project Coordinator, Head of the Department, Class Advisor and Faculty Supervisor.</li><li>✓ The project team members are asked to make the presentation before the committee, based on that the title is approved.</li></ul>
First	<ul style="list-style-type: none"><li>✓ All the Students are instructed to submit title - abstract, literature relevant to the study and give a Power Point presentation on their project.</li></ul>
Second	<ul style="list-style-type: none"><li>✓ All the Students are instructed to submit the fabrication, design calculation / test results are presented in comparison with the literature after approval from the supervisor for evaluation.</li></ul>
Third	<ul style="list-style-type: none"><li>✓ Students are instructed to submit draft project report in compliance with the university requirement for scrutiny.</li><li>✓ Students are instructed to present the completed project with demonstration.</li></ul>
Submission of Project Report	<ul style="list-style-type: none"><li>✓ Final viva voce examination is conducted by a committee consisting of external examiner appointed by university.</li><li>✓ Best projects are identified by the External, Head of the department and the project coordinator for rewards and implementation.</li></ul>



## COURSE OUTCOMES

CO No.	PROJECT WORK	Highest Cognitive Level
17C410.1	Utilize literature to identify the objective, scope and the concept of the work	K3
17C410.2	Apply suitable methods and modern tools to carry out experiments by conserving eco-system	K3
17C410.3	Develop a prototype/experimental set-up necessary to overcome the real time complex problems	K3
17C410.4	Utilize the results obtained for discussion and to derive conclusions	K3
17C410.5	Defend the work by preparing a report as per the University format	K4
17C410.6	Assess health, safety and legal relevant to professional engineering practices	A3
17C410.7	Comply the environmental needs and sustainable development	A2
17C410.8	Justify ethical principles in engineering practices	A3
17C410.9	Perform multi-disciplinary task as an individual and/or team member to manage the project/task	A3
17C410.10	Comprehend the engineering activities with effective presentation and report	A3
17C410.11	Interpret the findings with appropriate technological/research citation	A2

## MAPPING OF COURSE OUTCOMES WITH PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSOs)

CO No.	Level of CO	Program Outcomes												Program Specific Outcomes		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
17C410.1	K3	3	2	1	-	-	-	-	-	-	-	-	-	3	3	-
17C410.2	K3	3	2	1	-	3	3	3	-	-	-	-	-	3	-	3
17C410.3	K3	3	-	3	3	-	-	-	-	-	-	3	-	3	2	-
17C410.4	K3	3	2	-	1	-	-	-	-	-	2	-	2	3	2	-
17C410.5	K4	3	3	-	-	-	-	-	-	-	3	-	3	3	-	3
17C410.6	A3	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
17C410.7	A2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
17C410.8	A3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
17C410.9	A3	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-
17C410.10	A3	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
17C410.11	A2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
17C410		3	2.25	1.67	2	3	3	3	3	3	2.67	3	2.67	3	2.33	3

## ASSESSMENT WEIGHTAGE COMPONENTS

ASSESSMENT COMPONENTS	TARGET PERCENTAGE				CO WEIGHTAGE				
	TARGET LEVEL %	% OF STUDENTS			CO1	CO2	CO3	CO4	CO5
		LEVEL 1	LEVEL 2	LEVEL 3					
Review I	100%	60	70	80	80%	40%	-	-	-
Review II	100%	60	70	80	20%	40%	75%	60%	-
Review III	100%	60	70	80	-	20%	25%	40%	100%





## Rubrics for Zero<sup>th</sup> Review

### TITLE - FEASIBILITY (10)

Excellent (10)	Good (9)	Average (8)	Poor (7)
Proper identification of problem domains and detailed and extensive explanation of the purpose and need of the project.	Good explanation of the purpose and need of the project and identification of problem.	Average explanation of the purpose and need of the project	Moderate explanation of the purpose and need of the project.

### ABSTRACT - DEPTH OF KNOWLEDGE (10)

Steps to be followed to solve the identified problem are clearly explained	Steps to be followed to solve the identified problem are explained.	Average explanation of solving the problem identified	Moderate explanation of solving the problem identified.
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### PRESENTATION (5)

Excellent (5)	Good (4)	Average (3)	Poor (2)
Proper eye contact with audience and clear voice with good spoken language.	Clear voice with good spoken language but eye contact not proper	Eye contact with few people and unclear voice	Demonstration not satisfactory



## Rubrics for First Review

### LITERATURE SURVEY AND PROBLEM STATEMENT (40)

Excellent (40)	Good (35)	Average (25)	Poor (20)
All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified.	Collects a great deal of information and good study of the existing systems.	Moderate study of the existing system; Collects some basic information	Explanation of the specifications and the limitations of the existing systems are not very satisfactory; limited information.
Well and detailed explanation of the specifications and the limitations of the existing systems.	Good justification to the objectives; Methodology to be followed is specified but detailing is not done.	Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives.	Only some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly.
Literature survey was done by taking more than 20 survey papers	Literature survey was done by taking 15-20 survey papers	Literature survey was done by taking 10-15 survey papers	Literature survey was done by taking less than 10 survey papers

### METHODOLOGY AND MATERIAL SELECTION (10)

Excellent (10)	Good (8)	Average (6)	Poor (4)
Division of problem into modules and <sup>very</sup> good selection of computing framework/Materials	Division of problem into modules and good selection of computing framework/Materials	Division of problem into modules but inappropriate selection of computing framework/Materials	Partial division of problem into modules and inappropriate selection of computing framework/Materials
Appropriate design methodology and properly justified	Design methodology not properly justified	Design methodology not defined properly	Design methodology not defined

## Mark Allocation for Second Review

S.No.	Performance Indicators	Marks
1	LITERATURE SURVEY AND PROBLEM STATEMENT	10
2	METHODOLOGY AND MATERIAL SELECTION	10
3	DEVELOPMENT OF PROTOTYPE / EXPERIMENT	15
4	DISCUSSION ON THE EXPERIMENTAL RESULTS	15
	<b>Total</b>	<b>50</b>

## Rubrics for Second Review

### LITERATURE SURVEY AND PROBLEM STATEMENT (10)

Excellent (10)	Good (8)	Average (6)	Poor (4)
Extensive explanation of the specifications of the current state and clear comparative knowledge about the topic with what is already known	Good knowledge in the specifications and the current state of the project and good comparative knowledge about the topic with what is already known	Moderate knowledge in the specifications and the current state of the project and knowledge in what is already known about the topic	Not very satisfied with the explanation of the specifications and the current state and existing knowledge

### METHODOLOGY AND MATERIAL SELECTION (10)

Appropriate design methodology and properly justified and time frame properly specified and being followed	Design methodology not properly specified and time frame properly specified but being followed partly.	Design methodology not defined properly. Time frame properly specified but not being followed.	Design methodology not defined properly. Time frame not properly specified.
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### DEVELOPMENT OF PROTOTYPE / EXPERIMENT (15)

Excellent (15)	Good (12)	Average (10)	Poor (8)
Changes are made as per modifications suggested during mid-term evaluation and new innovations added	Changes are made as per modifications suggested during mid-term evaluation and good justification	All major changes are made as per modifications suggested during mid-term evaluation	Suggestions during mid-term evaluation are not incorporated

### DISCUSSION ON THE EXPERIMENTAL RESULTS (15)

All defined objectives are achieved. System working is highly satisfied.	All defined objectives are achieved. System working is not very highly satisfied	All defined objectives are achieved. Modules are working well in isolation	Only some of the defined objectives are achieved. Modules are not in proper working form
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## Mark Allocation for Third Review

S.No.	Performance Indicators	Marks
1	METHODOLOGY AND MATERIAL SELECTION	5
2	DEVELOPMENT OF PROTOTYPE / EXPERIMENT	5
3	DISCUSSION ON THE EXPERIMENTAL RESULTS	10
4	CONSOLIDATION OF THE WORK AND REPORT	30
	<b>Total</b>	<b>50</b>

## Rubrics for Third Review

### METHODOLOGY AND MATERIAL SELECTION (5)

Excellent (5)	Good (4)	Average (3)	Poor (2)
Appropriate design methodology and properly justified and time frame properly specified and being followed.	Design methodology not properly justified. But time frame properly specified and being followed partly.	Design methodology not defined properly. Time frame properly specified, but not being followed.	Design methodology not defined properly. Time frame not properly specified.

### DEVELOPMENT OF PROTOTYPE/EXPERIMENT (5)

Each module working well and properly demonstrated.	All defined objectives are achieved. But system working is not very satisfactory.	Modules are working well in isolation and properly demonstrated.	Only some of the defined objectives are achieved.
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### DISCUSSION ON THE EXPERIMENTAL RESULTS (10)

Excellent (10)	Good (8)	Average (6)	Poor (4)
All modules of project are well integrated and system working is accurate.	Each module is working and demonstrated. But system working is not accurate.	Modules of project are not properly integrated.	Modules are not in proper working form.

### CONSOLIDATION OF THE WORK AND REPORT (30)

Excellent (30)	Good (25)	Average (20)	Poor (15)
<ul style="list-style-type: none"> <li>• Results are presented in very appropriate manner.</li> <li>• Project work is well summarized and concluded.</li> <li>• Future extensions in the project are well specified.</li> </ul>	<ul style="list-style-type: none"> <li>• Results are presented in good manner.</li> <li>• Project work summary and conclusion are not very appropriate.</li> <li>• Future extensions in the project are specified.</li> </ul>	<ul style="list-style-type: none"> <li>• Results presented are not much satisfactory.</li> <li>• Project work summary and conclusion not very appropriate.</li> <li>• Future extensions in the project are not specified.</li> </ul>	<ul style="list-style-type: none"> <li>• Results are not presented properly.</li> <li>• Project work is not summarized and concluded.</li> <li>• Future extensions in the project are not specified.</li> </ul>
<ul style="list-style-type: none"> <li>• Project report is according to the specified format.</li> <li>• References are appropriate and well mentioned.</li> </ul>	<ul style="list-style-type: none"> <li>• Project report is according to the specified format.</li> <li>• References are appropriate but not mentioned well.</li> </ul>	<ul style="list-style-type: none"> <li>• Project report is according to the specified format but some mistakes.</li> <li>• Insufficient references.</li> </ul>	<ul style="list-style-type: none"> <li>• Project report is not prepared according to the specified format.</li> <li>• References are not appropriate.</li> </ul>



## Project Identification, Guide allocation, Classification and Mapping with Programme Outcomes & Project Specific Outcomes

Batch No.	Register No.	Student Name	Name of the Supervisor	Title of the project	Project Classification	Mapping with POs & PSOs
1	963320105005	ABINAYA SREE G S	Dr. C. Sowthily	Eye Ball Sensor for Automatic Wheel Chair for Paralyzed Patients	Application	PO1, PO2, PO3, PO6, PO12, PO9, PO10, PO11
	963320105043	PREDYUSHA N				
2	963320105009	ABITHA G	Dr. N. Amulba Priya	Cost impact analysis through Energy Audit at Educational Institution for Energy Conservation	Research	PO1, PO2, PO5, PO6, PO8, PO9, PO10, PO12, PS01, PS03, PS02, PO7, PS03
	963320105015	ASWI A				
	963320105023	HARISHMA JAI J P				
	963320105046	RAJA RAJESWARI S				
	963320105012	ANU G				
3	963320105035	MONISHA JASMIN P	Dr. D. Sam Harrison	Aging mitigation of Battery Management System in Electric Vehicle using MATLAB	Research	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PS01, PS02
	963320105044	PRIYADHARSHINI R				
	963320105052	SOWMIYA R				
	963320105019	GOPIKA M A				
	963320105038	NANTHANA P B				
4	963320105089	NAVA RAMYAN	Dr. D. Binu	Real Time Hazard Detection using Smart Helmet	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PS02
	963320105302	BALA BHARATHI K				
	963320105001	ABDUL RAHMAN N				
5	963320105016	EVAN FELIX M	Dr. C. Sowthily	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PS01, PS02
	963320105048	SANJAY H				
	963320105051	SHANMUGA SUNDARAM N				

Batch No.	Register No.	Student Name	Name of the Supervisor	Title of the project	Project Classification	Mapping with POs & PSOs
6	963320105002	ABDUL RAZIA ALIAS	Mr. S. Gopakumar	Design and Implementation of a Robust Motor Control Driver Circuit for Autonomous Robot	Application	PO1, PO2, PO3, PO5, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2
	963320105008	ABISH MELAN C				
	963320105028	KARTHIKEYAN N				
	963320105032	MELBIN JOSE L				
7	963320105004	ABHIJEET C	Mr. S. Sanju	Brain controlled Smart Home Automation System	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO2
	963320105011	ADILS				
	963320105031	MANIKANDANT				
	963320105303	MUTHU PERUMAL M				
8	963320105006	ABISHEAK MT	Mrs. S. Nithya	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2
	963320105014	ARAVIND BABU S				
	963320105017	GODWIN P				
	963320105033	MOHAMED FAHMI M				
9	963320105007	ABISHEK DM	Mr. G. Murugam	Smart E-Petrol Bunk	Research	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO2
	963320105018	GOKULRAM K				
	963320105029	LIWIN PAUL J				
	963320105061	VISHWA P				
10	963320105003	ABDUL SHAHITH S	Mr. C. Ebbie Selvakumar	Electricity Theft Detection using Machine Learning	Research	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2
	963320105022	HARIHARAN G				
	963320105030	MAHESH S				
	963320105034	MOHAMED ZAHIRS				

Batch No.	Register No.	Student Name	Name of the Supervisor	Title of the project	Project Classification	Mapping with POs & PSOs
11	963320105021	HAMJIN J	Mr. C. Baskar	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Application	PO1, PO2, PO3, PO6, PO8, PO9, PO10, PO11, PO12, PS02
	963320105024	HERCIN Y				
	963320105040	NIGASH R				
	963320105047	RUBAN S				
12	963320105025	JOHNY BABISH J P	Dr. D. Binu	Automated Person Detection and Attendance Systems using Image Processing Techniques	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PS02
	963320105026	JOSEPH VIVANTH V				
	963320105036	MURUGAN S				
	963320105053	SRIMANTH G				
13	963320105027	JUDE MAKVINT	Dr. N. Amutha Priya	Cost Impact Analysis through Energy Audit at Stone Sculptural works industry for optimal operation	Research	PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PS01, PS02, PS03
	963320105056	THIVAKAR V				
	963320105060	VINOTH J				
	963320105305	SHESEAO B				
14	963320105037	MUTHU SELVAN A	Mr. R. Padma Kumar	Efficient Sensor Integration: Embarassing Perception and Connectivity in Smart Systems	Application	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PS02
	963320105057	VELLAIYAN M				
	963320105058	VENKATESHWARAN M				
	963320105306	THOMAS LEVIN P				
15	963320105042	PRAVEEN R	Mr. P. Teja Kumar	Solar Uninterruptible Power Supply	Application	PO1, PO2, PO3, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PS02
	963320105045	RADA DURAI S				
	963320105054	SUBASH C				
	963320105059	VITAY V				



## Students Attendance

Month & Year :			1/2	2/2	5/2	6/2	7/2	8/2	9/2	12/2	
Sl. No.	Batch No.	Register No.	Date	Thu	Fri	Mon	Tue	Wed	Thu	Fri	Mon
			Day	3-8	3-8	3-8	3-8	3-8	3-8	3-8	
			Period	3-8	3-8	3-8	3-8	3-8	3-8	3-8	
			Name of the Student								
1	1	963320105005	Abinaya Sree A S	OD	OD	OD	OD	OD	OD	OD	
2		963320105043	Predyusha N	OD	OD	OD	OD	OD	OD	OD	
3	2	963320105009	Abitha A	OD	OD	OD	OD	OD	OD	OD	
4		15	Aswi A	OD	OD	OD	OD	OD	OD	OD	
5		23	Harithma Jai JP	/	/	/	/	/	/	/	
6		46	Raja Rajeswari S	/	/	/	/	/	/	/	
7	3	12	Anu A	/	/	/	/	/	/	/	
8		35	Monisha Jasmin P	OD	OD	OD	OD	OD	OD	OD	
9		44	Peiyadhaushini R	OD	OD	OD	OD	OD	OD	OD	
10	4	52	Sowmiya R	OD	OD	OD	OD	OD	OD	OD	
11		19	Ropika MA	/	/	/	/	/	/	/	
12		38	Nanthana PB	OD	OD	OD	OD	OD	OD	OD	
13		39	Nava Ramya N	OD	OD	OD	OD	OD	OD	OD	
14	5	302	Bala Bhardhi K	OD	OD	OD	OD	OD	OD	OD	
15		01	Abdul Rahman N	/	/	/	/	/	/	/	
16		16	Evan Felix M	/	/	/	/	/	/	/	
17		48	Sanjay H	/	/	/	/	/	/	/	
18		51	Shanmuga Sundaram N	/	/	/	/	/	/	/	
19	6	02	Abdul Raziq Ali A S	/	/	/	/	/	/	/	
20		08	Abish Melan C	/	/	/	/	/	/	/	
21		28	Karthikeyan N	/	/	/	/	/	/	/	
22		32	Melbin Jose L	/	/	/	/	/	/	/	
23	7	04	Abhijeet C	/	/	/	/	/	/	/	
24		11	Ajil S	/	/	/	/	/	/	/	
25		31	Manikandan T	/	/	/	/	/	/	/	
26	8	303	Muthu Perumal M	/	/	/	/	/	/	/	
27		06	Abishak M T	/	/	/	/	/	/	/	
28		14	Aravind Babu S	/	/	/	/	/	/	/	
29		17	Rodwin P	/	/	/	/	/	/	/	
30	9	33	Mohamed Fahmi M	/	/	/	/	/	/	/	
31		07	Abishak D M	/	/	/	/	/	/	/	
32		18	Lyokul Ram K	/	/	/	/	/	/	/	
33		29	Liwin Paul J	/	/	/	/	/	/	/	
34		61	Vishwa P	/	/	/	/	/	/	/	









# Continuous Monitoring & Assessment

## a . Zero<sup>th</sup> Review

Sl. No.	Batch No.	Register No.	Student Name	Title-Feasibility (10)	Abstract-Depth of Knowledge (10)	Presenta-tion (5)	Total (25)
1	1	963320105005	Abinaya Sree G S	10	10	5	25
2		963320105048	Preedyusba N	10	10	5	25
3	2	963320105009	Abitha A	10	10	5	25
4		15	Aswi A	10	10	5	25
5		23	Harishma Tai JP	10	10	5	25
6		46	Raja Rajeswari S	10	10	5	25
7	3	12	Adu A	10	08	4	22
8		35	Monisha Jasmin P	10	10	3	23
9		44	Preiyadharubini R	10	10	4	24
10		52	Soumiya R	10	10	4	24
11	4	19	Ropika MA	10	10	5	25
12		38	Nambana P B	10	10	5	25
13		39	Nava Ramya N	10	10	5	25
14		302	Bala Bharathi K	10	10	4	24
15	5	01	Abdul Rahman N	10	10	5	25
16		16	Evam Felix M	10	8	4	22
17		48	Sanjay H	10	10	5	25
18		51	Shanmuga Sundaram N	10	10	5	25
19	6	02	Abdul Raziq Ali A S	10	10	5	25
20		08	Karthikeyan N	10	10	5	25
21		28	Melbin Jose L	10	10	5	25
22		32	Abish Melan C	10	8	2	20
23	7	04	Abhijeet C	10	8	2	20
24		11	Ajil S	10	10	2	22
25		31	Manikandan T	10	7	4	21
26		303	Muthu Perumal M	10	10	3	23
27	8	06	Abishek M T	10	10	5	25
28		14	Aravind Babu S	10	10	5	25
29		17	Godwin P	10	10	5	25
30		33	Mohamed Fabmi M	10	10	5	25
31	9	07	Abishek DM	10	10	5	25
32		18	Gokulram K	10	10	5	25
33		29	Lwin Paul J	10	10	5	25
34		61	Vishwa P	10	10	3	23



## Continuous Monitoring & Assessment

### b . First Review

Sl. No.	Batch No.	Register No.	Student Name
1	1	963320105005	Abinaya Sree A S
2		43	Puedyluba N
3	2	963820105009	Abitha G
4		15	Aswi A
5		23	Hanishma Jai J P
6		46	Raja Rajeswari S
7	3	12	Anu G
8		35	Monisha Jasmin P
9		44	Priyadharshini R
10	4	52	Sobmiya R
11		19	Ropika M A
12		38	Namthana P B
13		39	Nava Ramya N
14		302	Bala Bbarathi K
15	5	01	Abdul Rahman N
16		16	Evan Felix M
17		48	Sanjay H
18		51	Shamhuga Sundaram N
19	6	02	Abdul Raziq Ali A S
20		28	Karthikeyan N
21		32	Melbin Jose L
22	7	08	Abish Melan C
23		04	Abhijeet C
24		11	Ajil S
25		31	Mamukandan T
26		303	Muthu Perumal M
27	8	06	Abishak M T
28		14	Aravind Balu S
29		17	Rodwin P
30		33	Mohammed Fahmi M
31	9	07	Abishak D M
32		18	Rokul Ram K
33		29	Lwin Paul J
34		61	Visbwa P

CO1	CO2	CO3	CO4	CO5	Total
Literature survey and Problem statement	Methodology and Material selection	Development of Prototype/Experiment	Discuss the Experimental results	Consolidation of the work & Report	50
40	10	-	-	-	
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	8	-	-	-	48
40	9	-	-	-	49
40	10	-	-	-	50
39	10	-	-	-	49
39	9	-	-	-	48
40	9	-	-	-	49
39	10	-	-	-	49
39	10	-	-	-	49
40	10	-	-	-	50
38	10	-	-	-	48
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	9	-	-	-	49
34	10	-	-	-	44
40	9	-	-	-	49
39	10	-	-	-	49
38	8	-	-	-	46
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
40	10	-	-	-	50
38	8	-	-	-	46





## Continuous Monitoring & Assessment

### C . Second Review

Sl. No.	Batch No.	Register No.	Student Name
1	1	963320105005	Abinaya Sree R S
2		43	Preedyukha N
3	2	963320105009	Abitha R
4		15	Aswi A
5		23	Hanishma Jai JP
6		46	Raja Rajeswari S
7	3	12	Ardu G
8		35	Monisha Jamin P
9		44	Preiyadhayhini R
10		52	Soubmiya R
11		19	Gopika MA
12	4	38	Nanthama PB
13		39	Nava Ramya N
14		302	Bala Bhatthi K
15	5	01	Abdul Rahman N
16		16	Evam Felix M
17		48	Sanjay H
18		51	Sharmuga Sundaram N
19	6	02	Abdul Raziq Ali A S
20		28	Karthikeyan N
21		32	Melbin Ibse L
22		08	Abish Melan C
23	7	04	Abhijeet C
24		11	Ajil S
25		31	Manikandan T
26	8	303	Muthu Perumal M
27		06	Abishek MT
28		14	Aarvind Babu S
29		17	Godwin P
30		33	Mohamed Fahmi M
31	9	07	Abishek DM
32		18	Gokul Ram K
33		29	Livin Paul J
34		61	Vishwa P









# Continuous Monitoring & Assessment

## d . Third Review

Sl. No.	Batch No.	Register No.	Student Name
1	1	963320105005	Abinaya Sree GS
2		43	Preedjusha N
3	2	963320105009	Abitba G
4		15	Aswi A
5		23	Harishma Tai JP
6		46	Rajarajeswari S
7	3	12	Anu G
8		35	Monisha Tasmin P
9		44	Priyadharshini R
10	4	52	Soubhaya R
11		19	Ropika M A
12		38	Nambana P B
13		39	Nava Ramya N
14	5	302	Bala Bharathi K
15		01	Abdul Rahman N
16		16	Evam Felix M
17	6	48	Sanjay H
18		51	Shahmuga Sundaram N
19		02	Abdul Raziq Ali AS
20		28	Karthikeyan N
21	7	32	Melbin Jose L
22		08	Abish Melam C
23		04	Abhijeet C
24	8	11	Ajil S
25		31	Mamikandan T
26		303	Muthu Perumal M
27		06	Abishek M T
28	9	14	Aaravind Babu S
29		17	Godwin P
30		33	Mohamed Fahmi M
31	9	07	Abishek D M
32		18	Rokul Ram K
33		29	Livin Paul J
34		61	Viswa P

CO1 Literature survey and Problem statement	CO2 Methodology and Material selection	CO3 Development of Prototype/Expe riment	CO4 Discuss the Experimental results	CO5 Consolidation of the work & Report	Total
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	6	30	46
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	8	30	48
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	8	30	48
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	8	28	46
-	5	5	8	28	46
-	5	5	8	28	46
-	5	5	8	28	46
-	5	5	8	30	48
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	10	30	50
-	5	5	8	30	48





# CONSOLIDATED MARK STATEMENT

Sl. No.	Batch No.	Register No.	Student Name	Review - 1		Review - 2		Review - 3		Mark out of 20
				Mark out of 50	Mark out of 5 A	Mark out of 50	Mark out of 7.5 B	Mark out of 50	Mark out of 7.5 C	
1	1	963820105005	Abinaya Sree G S	50	5	50	7.5	50	7.5	20
2		43	Pseudhyba N	50	5	50	7.5	50	7.5	20
3	2	963820105009	Abitba G	50	5	50	7.5	50	7.5	20
4		15	Aswi A	50	5	50	7.5	50	7.5	20
5		23	Harishma Jai JP	50	5	50	7.5	50	7.5	20
6		46	Rajarajeswari S	50	5	50	7.5	50	7.5	20
7	3	12	Anu G	48	4.8	46	6.9	46	6.9	18.6
8		35	Monisha Tamim P	49	4.9	48	7.2	50	7.5	19.6
9		44	Prityadharubini R	50	5	46	6.9	50	7.5	19.4
10		52	Sowmiya R	49	4.9	48	7.2	50	7.5	19.6
11	4	19	Gopika M A	48	4.8	48	7.2	48	7.2	19.2
12		38	Nambana P B	49	4.9	48	7.2	50	7.5	19.6
13		39	Nava Ramya N	49	4.9	48	7.2	50	7.5	19.6
14		302	Bala Bharathi K	49	4.9	48	7.2	50	7.5	19.6
15	5	01	Abdul Rabman N	50	5	50	7.5	50	7.5	20
16		16	Evam Felix M	48	4.8	48	7.2	48	7.2	19.2
17		48	Sanjay H	50	5	50	7.5	50	7.5	20
18		51	Shammuga Sundaram	50	5	50	7.5	50	7.5	20
19	6	02	Abdul Raziq Ali A S <sup>N</sup>	50	5	50	7.5	50	7.5	20
20		28	Karthukeyam N	50	5	50	7.5	50	7.5	20
21		32	Melbin Jose L	50	5	50	7.5	50	7.5	20
22		08	Abish Melan C	49	4.9	46	6.9	46	6.9	18.8
23	7	04	Abhijeet C	44	4.4	46	6.9	46	6.9	18.2
24		11	Ajil S	49	4.9	46	6.9	46	6.9	18.8
25		31	Mamikanandam T	49	4.9	46	6.9	46	6.9	19
26		303	Muthu Perumal M	46	4.6	48	7.2	48	7.2	19
27	8	06	Abishek M T	50	5	50	7.5	50	7.5	20
28		14	Aravind Balu S	50	5	50	7.5	50	7.5	20
29		17	Godwin P	50	5	50	7.5	50	7.5	20
30		33	Mohamed Fahmi M	50	5	50	7.5	50	7.5	20
31	9	07	Abishek D M	50	5	50	7.5	50	7.5	20
32		18	Jyokul Ram K	50	5	50	7.5	50	7.5	20
33		29	Livin Paul J	50	5	50	7.5	50	7.5	20
34		61	Vishwa P	46	4.6	48	7.2	48	7.2	19







## b. Projects in to Products

S. No.	Register No.	Student Name	Title of the Project	Products Developed	Societal Impact
1	96332010 5001	ABDUL RAHMAN N	Optimized Battery Management System for Enhanced Energy Efficiency and Life Span in Autonomous Robot	Autonomous Robot	Automated attendance system
2	96332010 5016	EVAN FELIX M	Design and Implementation of a Robust Motor Control Drive Circuit for Autonomous Robot	Autonomous Robot	Automated attendance system
3	96332010 5048	SANJAY H		Autonomous Robot	Automated attendance system
4	96332010 5051	SHANMUGA SUNDARAM N		Autonomous Robot	Automated attendance system
5	96332010 5002	ABDUL RAZIA ALI AS		Autonomous Robot	Automated attendance system
6	96332010 5008	ABISH MELAN	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	Autonomous Robot	Automated attendance system
7	96332010 5028	KARTHIKEYAN N		Autonomous Robot	Automated attendance system
8	96332010 5032	MELBIN JOSE L		Autonomous Robot	Automated attendance system
9	96332010 5021	HAMJIN J		Autonomous Robot	Automated attendance system
10	96332010 5024	HERCIN Y	Automated Person Detection and Attendance System using Image Processing Techniques	Autonomous Robot	Automated attendance system
11	96332010 5040	NIGASH R		Autonomous Robot	Automated attendance system
12	96332010 5047	RUBAN S		Autonomous Robot	Automated attendance system
13	96332010 5025	JOHNY BABISH JP		Autonomous Robot	Automated attendance system
14	96332010 5026	JOSEPH VIVANTH V	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	Autonomous Robot	Automated attendance system
15	96332010 5036	MURUGAN S		Autonomous Robot	Automated attendance system
16	96332010 5053	SRIKANTH R		Autonomous Robot	Automated attendance system
17	96332010 5037	MUTHU SELVANA		Autonomous Robot	Automated attendance system
18	96332010 5057	VELLAIYAN M	IoT based Smart Energy Meter with Auto Daily Tariff Calculations over Internet	Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
19	96332010 5058	VENKATESHWARAN M		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
20	96332010 5306	THOMAS LEVIN P		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
21	96332010 5006	ABISHEAK M T		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
22	96332010 5014	ARAVIND BABU S	Real Time Hazard Detection using Smart Helmet	Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
23	96332010 5017	RODWIN P		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
24	96332010 5033	MOHAMED FAHMI M		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
25	96332010 5019	GOPIKA M A		Smart Energy Meter	Electricity consumer's will have easy access on the units of electricity usage and the bill.
26	96332010 5038	NANTHANA P B	Reduction in the number of accidents	Smart Energy Meter	Reduction in the number of accidents
27	96332010 5039	NAVA RAMYA N		Smart Energy Meter	Reduction in the number of accidents
28	96332010 5302	BALA BHARATHI K		Smart Energy Meter	Reduction in the number of accidents

d. Evidence of Paper Published / Awards Received

(i) Paper Published in Journals

Student Name	Title of the Paper	Vol & Iss No. Page No.	Name of the Journal
G. ABITHA A. ASWI J.P. HARISHMA JAI S. RAJA RAJESWARI	Role of Energy Audit in optimizing the energy consumption cost of Educational Institutions for Energy Conservation	Vol. 13 Issue 2 Page: 42-52	Journal of Nuclear Engineering & Technology
J. VINOTH V. THIVAKAR B. SHESERAO T. JUDE MAKVIN	Assessing the Effectiveness of Industrial Energy Audits: A Literature Review	Vol. 15 Issue 1 Page: 1-7	Journal of Alternate Energy Sources & Technologies

(ii) Paper Presented / Published in Conference

Student Name	Title of the Paper	Name of the Conference
1) N. Abdul Rahman, H. Sanjay, M. Evan Felix, N. Shammuga Sundaram	Autonomous Battery Management System for Mobile Robots	International Conference on Advanced Innovations in Engineering and Technology (ICAIEET- 2024)
2) M. T. Abisheak, S. Aravind Babu, P. Godwin, M. Mohamed Fahmi	Cascaded H-Bridge Multilevel Inverter	"
3) J. Vinoth, V. Thivakar, T. Jude Makwin, B. Sheserao	Energy Audit at Stone Sculptural Works Industry	"
4) G. Abitha, A. Aswi, J. P. Harishma Jai, S. Raja Rajeswari	Energy Audit at Isaac Newton Block for Energy Conservation	"
5) G. S. Abinaya Sulee, N. Preedyusba	Eye Ball controlled Wheel Chair using Arduino and openCV for Paralyzed Patients	"
6) C. Abhijeet, S. Ajil, T. Manikandan, M. Muthu Perumal	Brain controlled Smart Home Automa- tion System	"
7) M. A. Gopika, P. B. Nanthana, N. Nava Ramya, K. Bala Bharathi	Real Time Hazard Detection using Smart Helmet	"
8) A. S. Abdul Raziq Ali C. Abish Melan N. Kaithikeyan, L. Melbin Jose	Design and Imple- mentation of a Robust Motor Control Drive Circuit for Auto- nomous Robots	"
9) G. Anu, P. Monisha Jasmin, R. Sowmiya, R. Priyadharshini	Aging Mitigation of Battery Management System in Electric Vehicle using MATLAB	"

Student Name	Title of the Paper	Name of the Conference
10) D. M. Abishek, K. Lokul Ram, J. Lwin Paul, P. Vishwa	Smart E-Petrol Bunk	International Conference on Advanced Innovations in Engineering and Technology (ICAIET- 2024)
11) S. Abdul Sabith, G. Haribaran, S. Mabeeth, S. Mohamed Zahid	Electricity Theft Detection using Machine Learning	"
12) J. Hamjin, Y. Heuin, R. Nigash, S. Ruban	Enhancing Mobility: A Comprehensive Study on Locomotion for Mobile Robot Platforms	"
13) J.P. Jomy Babish, V. Joseph Vivanth, S. Murugan, G. Seikamth	Automated Person Detection and Attendance System using Image Processing Techniques	"
14) A. Muthu Selvan, M. Vellaiyan, M. Venkateshwaram, P. Thomas Levin,	Efficient Sensor Integration: Enhancing Perception and Connectivity in Smart Systems	"
15) R. Praveen, S. Raja Durai, C. Subash, V. Vijay	Solar Uninterruptible Power Supply	"
16) M. Shameem Ahamed, T. Thanga Krishnan, C. Akash Sercin, M.P. Nidish Ram	IoT based Automatic Railway Crack Detection and Alerting System	"

Student Name	Title of the Paper	Name of the Conference
17) Abdul Rahman N, Sanjay H, Shammug Sundaram N, Evan Felix M	Optimized Battery Management System for Autonomous Robot	International Conference on Modern Trends in Engineering and Management
18) G.S. Abimaya Sree, N. Pradyusha	Eyeball sensor for Automatic Wheelchair for paralyzed patients.	(ICMTEM 2024)

### (iii) Awards Received

Student Name	Title of the Project	Events details	Details of the Prize awarded
ABISHEK . DM GOKULRAM . K LWIN PAUL . J VISHWA - P	<u>BEST PAPER AWARD</u>  Smart E - Petrol  BUNK	Project Presentation	First Prize .





## **VISION**

- ☞ **TO BE AN ACADEMIC INSTITUTE OF CONTINUOUS EXCELLENCE TOWARDS EDUCATION AND RESEARCH IN RURAL REGIME AND PROVIDE SERVICE TO NATION IN TERMS OF NURTURING POTENTIALLY HIGHER SOCIAL, ETHICAL AND ENGINEERING COMPANION GRADUANDS.**

## **MISSION**

- ☞ **TO FOSTER AND PROMOTE TECHNICALLY COMPETENT GRADUANDS BY IMPARTING THE STATE OF ART ENGINEERING EDUCATION IN RURAL REGIME.**
- ☞ **TO ENUNCIATE RESEARCH ASSISTED SCIENTIFIC LEARNING BY DISSEMINATION OF KNOWLEDGE TOWARDS SCIENCE, AGRICULTURE, INDUSTRY AND NATIONAL SECURITY.**

# **Rohini College Of Engineering And Technology**





**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**ATTAINMENT SHEET**

**ASSESSMENT YEAR**

**2023-2024**

**NAME OF THE FACULTY**

**Dr.D.Sam Harison/Dr.T.Sreedhar/Dr.N.Amutha Priya/Dr.C.Sowthily**

**SUBJECT CODE & NAME**

**EE8811 - Project Work**

**YEAR / SEMESTER / SEC**

**IV/ 08**

S.No.	REGISTER NO	STUDENT NAME	University Grade	University Mark	Attainment
1	963320105001	ABDUL RAHMAN N	O	99	Y
2	963320105002	ABDUL RAZIQ ALI A S	O	99	Y
3	963320105003	ABDUL SHAHITH S	O	99	Y
4	963320105004	ABHIJEET C	O	99	Y
5	963320105005	ABINAYA SREE G S	O	99	Y
6	963320105006	ABISHEAK M T	O	99	Y
7	963320105007	ABISHEK D M	O	99	Y
8	963320105008	ABISH MELAN C	O	99	Y
9	963320105009	ABITHA G	O	99	Y
10	963320105011	AJIL S	O	99	Y
11	963320105012	ANU G	O	99	Y
12	963320105014	ARAVIND BABU S	O	99	Y
13	963320105015	ASWI A	O	99	Y
14	963320105016	EVAN FELIX M	O	99	Y
15	963320105017	GODWIN P	O	99	Y
16	963320105018	GOKULRAM K	O	99	Y
17	963320105019	GOPIKA M A	O	99	Y
18	963320105021	HAMJIN J	O	99	Y
19	963320105022	HARIHARAN G	A+	90	Y
20	963320105023	HARISHMA JAI J P	O	99	Y
21	963320105024	HERCIN Y	O	99	Y
22	963320105025	JOHNY BABISH J P	A+	90	Y
23	963320105026	JOSEPH VIVANTH V	A+	90	Y

INDIRECT ATTAINMENT				
C01	C02	C0 3	C04	C05
3	3	3	3	3
3	3	3	3	3
3	2	2	2	3
3	3	3	2	3
3	2	1	2	3
2	2	3	2	2
3	3	2	3	3
3	3	2	3	2
1	3	2	3	2
3	3	2	2	3
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3	3	2	2	3
3	3	3	3	2
2	3	1	3	3

24	963320105027	JUDE MAKVIN T	O	99	Y
25	963320105028	KARTHIKEYAN N	O	99	Y
26	963320105029	LIWIN PAUL J	O	99	Y
27	963320105030	MAHESH S	O	99	Y
28	963320105031	MANIKANDAN T	A+	90	Y
29	963320105032	MELBIN JOSE L	O	99	Y
30	963320105033	MOHAMED FAHMI M	O	99	Y
31	963320105034	MOHAMED ZAHIR S	A+	90	Y
32	963320105035	MONISHA JASMIN P	O	99	Y
33	963320105036	MURUGAN S	A+	90	Y
34	963320105037	MUTHU SELVAN A	O	99	Y
35	963320105038	NANTHANA P B	O	99	Y
36	963320105039	NAVA RAMYA N	O	99	Y
37	963320105040	NIGASH R	A+	90	Y
38	963320105042	PRAVEEN R	A+	90	Y
39	963320105043	PREDYUSHA N	O	99	Y
40	963320105044	PRIYADHARSHINI R	O	99	Y
41	963320105045	RAJA DURAI S	A+	90	Y
42	963320105046	RAJA RAJESWARI S	O	99	Y
43	963320105047	RUBAN S	A+	90	Y
44	963320105048	SANJAY H	O	99	Y
45	963320105050	SHAMEEM AHAMED M I	A+	90	Y
46	963320105051	SHANMUGA SUNDARAM N	O	99	Y
47	963320105052	SOWMIYA R	O	99	Y
48	963320105053	SRIKANTH G	A+	90	Y
49	963320105054	SUBASH C	A+	90	Y
50	963320105055	THANGA KRISHNAN T	A+	90	Y
51	963320105056	THIVAKAR V	O	99	Y
52	963320105057	VELLAIYAN M	O	99	Y
53	963320105058	VENKATESHWARAN M	O	99	Y
54	963320105059	VIJAY V	A+	90	Y
55	963320105060	VINOTH J	O	99	Y
56	963320105061	VISHWA P	O	99	Y

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2	3	3	3	3
2	3	3	2	3
2	3	3	3	3
2	3	3	3	3
2	3	3	1	3
3	3	3	3	3

57	963320105301	AKASH SERCIN C	0	99	Y		3	3	3	3	3
58	963320105302	BALA BHARATHI K	0	99	Y		3	3	3	2	3
59	963320105303	MUTHU PERUMAL M	0	99	Y		3	3	3	3	3
60	963320105304	NIDISH RAM M P	0	99	Y		3	3	3	3	3
61	963320105305	SHERAO B	0	99	Y		3	3	3	3	3
62	963320105306	THOMAS LEVIN P	0	99	Y		3	3	3	3	3
	YES (Y)				62	HIGH	41	54	40	49	45
	NO (N)				0	MEDIUM	17	7	17	11	16
	ABSENT (A)				0	LOW	3	0	4	1	0
	APPEARED				62		160	176	158	170	167
	CO ATTAINMENT				1		2.58	2.84	2.55	2.74	2.69
	ATTAINMENT LEVEL				3						

CO NO	OVERALL ATTAINMENT							
	REVIEW 1	REVIEW 2	REVIEW 3	Attainment through Internal Assessment (X1)	Attainment through University Assessment (X2)	Direct CO Attainment X = (0.5*X1)+(0.5*X2)	Indirect CO Attainment (y)	Overall CO Attainment Z = (0.8*X) + (0.2*Y)
C01	3	3		3	3	3	2.58	2.92
C02	3	3	3	3	3	3	2.84	2.97
C03		3	3	3	3	3	2.55	2.91
C04		3	3	3	3	3	2.74	2.95
C05			3	3	3	3	2.69	2.94



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## APPRECIATION CERTIFICATE

This is to certify that the project carried out by **Mr.D.M.ABISHEK** of Department of Electrical and Electronics Engineering for the project entitled as 'SMART E-PETROL BUNK' has been awarded as the BEST PROJECT for the Academic Year 2023-2024.

*For proving that dedication and learning ends in excellent outcome  
Applauds for achieving best place and all the best for the upcoming days.*

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CHAIRMAN

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