

STUDENTS PROJECTS

The project works carried out by the students are categorized on the basis of objectives and project outcomes such as

- **Application based projects**
- **Industry based projects**
- **Research based projects**
- **Interdisciplinary projects**
- **Product based projects**
- **Design and manufacturing**
- **Solution of the industrial problems**

After categorizing the projects, they are mapped with the POs and PSOs and A Sample mapping of projects with their relevance and POs/PSOs has been mentioned in table below.

Academic Year 2024-25

| S.no | Register No | Name | Project Title | Project Guide | Project Type | Mapping with PO,PSO |
|------|--------------|------------------|---|------------------|----------------------------|--|
| 1 | 810421105004 | Anbarasan. P | Design & implementation of AI-powered smart inverter for predictive load management & solar Energy optimization | Dr.K.Anbarasan | Design and manufacturing | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105012 | Dhayanithi .S | | | | |
| | 810421105029 | Kaviarasu R | | | | |
| | 810421105030 | KilbertWilliam.A | | | | |
| 2 | 810421105019 | Gokul Raj R | Optimized energy Harvesting for Enhanced smart home IOT performance | Dr.M.Parameswari | Application based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105027 | Kathiravan K | | | | |
| | 810421105042 | Prasath S | | | | |
| | 810421105043 | Prithivi Raj S | | | | |
| 3 | 81421105303 | Aswini S | Iot Based Smart Circuit Breaker Using Password And Gsm | Dr.M.Parameswari | Industry based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105314 | Janani S | | | | |
| | 81421105324 | Nithya R | | | | |
| 4 | 810421105003 | Abishek .S | Electric Vehicle to Vehicle Energy Transfer in Emergency using on-board converted | Dr.Danalakshmi | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105026 | Karthik Raj .K | | | | |
| | 810421105041 | Prasanth .K | | | | |
| | 810421105050 | Rajesh V | | | | |
| 5 | 810421105018 | Gokul .J | Optimized maximum Efficiency point tracking for Bidirectional | Dr.Danalakshmi | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105033 | Logesh. S | | | | |
| | 810421105051 | Ramaraj. M | | | | |

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|----|--------------|--------------------|--|-------------------|-----------------------------|--|
| | 810421105052 | Ranjith. K | Non-Inverter Buck- Boost Converter | | | |
| 6 | 810421105025 | Kalaiselvan .K | Mastering Energy: A Design Guide for Efficient management in self-powered sensor | Dr.K.Srinivasa n | Design and manufactu ring | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810421105006 | Ankit Kumar | | | | |
| | 810421105055 | Ruthran .C | | | | |
| | 810421105058 | Saravanan Kumar .P | | | | |
| 7 | 810421105015 | Dinesh Kumar. S | Advanced EV charging station using Z-source Quantic improved boost zeta Converter with Energy storage system | Dr A.Rajkumar | Product based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810421105022 | Jayasurya. M | | | | |
| | 810421105028 | Kathiravan .R | | | | |
| | 810421105053 | Retheshwaran. M | | | | |
| 8 | 810421105062 | Shivashree r | Efficient thermoelectri c energy harvesting through solar energy | Dr.M.Vijay | Research based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810421105071 | Uma maheshwari s | | | | |
| | 810421105072 | Vaishnavi p | | | | |
| | 810421105008 | Bavishna .A | Smart lot Monitoring of RF Energy Harvesting Techniques for wireless power transfer system | Mrs.T.Lavnn ya | Industry based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| 9 | 810421105016 | Gayathri .A | | | | |
| | 810421105046 | Pavithra. P | | | | |
| 10 | 81421105064 | Siva S | lot –Enabled Electric Vehicles Maintenance | Mr.K.Vijayak anth | Applicatio n based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81421105065 | Sivamanicam M | | | | |
| | 81421105067 | Srikanth B | | | | |

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|----|--------------|--------------------|--|-------------------|---------------------------------|--|
| | 81421105080 | Vishva J | For Smart Charging Piles | | | |
| 11 | 810421105082 | Vishwanth M | Solar Based High Gain Dc-Dc Converter With Inverse Gain Characteristic | Mr.M.Asaithambi | Research based projects | PO1,PO2,PO3,P04,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105304 | Avinash S | | | | |
| | 810421105305 | Barani Kumar M | | | | |
| | 810421105307 | Dinesh Kumar S | | | | |
| 12 | 810421105007 | Balaji S | Integrated Wireless Charging Receiver For Electric Vehicles Using Half Bridge Inverter | Mr.G.Chandrasekar | Product based projects | PO1,PO2,PO3,P04,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105024 | Jayaprathap S | | | | |
| | 810421105039 | Padmanaban K | | | | |
| | 810421105047 | Raja V | | | | |
| 13 | 810421105002 | Abishek.S | Deep Learning Based Object detection for street light control with Energy management & Fault using IOT | Mrs .T.Durga | Research based projects | PO1,PO2,PO3,P04,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105010 | Dhanasekar. B | | | | |
| | 810421105032 | Loganathan .T | | | | |
| | 810421105038 | MukeshKirshnan .R | | | | |
| 14 | 810421105311 | Guruprasad S | Advanced Transformer Monitoring And Load Distribution With Iot Integration | D.Krishnamoorthy | Application based projects | PO1,PO2,PO3,P04,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105328 | Rajavel V | | | | |
| | 810421105329 | Rajesh S | | | | |
| | 810421105330 | Rengasamy G | | | | |
| 15 | 810421105309 | Gowtham J | IOT Based Accident Minimization In E-Vehicle Multiple Fault Detection Using Ai | Mr.M.Kathamuthu | Solution of industrial problems | PO1,PO2,PO3,P04,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105310 | Gowtham R | | | | |
| | 810421105317 | Karthikeyan K | | | | |
| | 810421105336 | Vinayaragunathan S | | | | |

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|----|--------------|------------------|--|----------------------|----------------------------|--|
| 16 | 81421105313 | Ilamparithi M | Advanced Electric Vehicle Wireless Charging With Mutually Spliced Double-D Coil | S. AmaliArputha Mary | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105315 | Jayaprakash M | | | | |
| | 81421105334 | Vedhanayagam A | | | | |
| | 81421105335 | Vetrivel R | | | | |
| 17 | 810421105001 | Abdul Kalam .M | Solar Based fuel Bridge Resonant convert for EV | Mrs.M.Bhuvanewari | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105054 | Rubin Raj. N | | | | |
| | 810421105056 | Sameer .S | | | | |
| | 810421105057 | Sanjay .P | | | | |
| 18 | 81421105060 | Sathis Kumar K | IoT Enabled Water Monitoring In Smart Cities With Power Grid And Inverter Based Harvesting | Ms.A.Thamijunisha | Application based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105319 | Kishanamoorthy S | | | | |
| | 81421105332 | Sanjeev K | | | | |
| | 81421105333 | Sridhar R | | | | |
| 19 | 81421105325 | Praveen E | High Power Factor And High Step Down Bridgeless Sepic Converter Based Ev Charging | Ms.S.Nalini | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105059 | Saravanan S | | | | |
| | 81421105069 | Surya R | | | | |
| | 81421105081 | Vishwa K | | | | |
| 20 | 81421105063 | Silamabarasan S | Hybrid Renewable Pv-Fule Cell Ev Charging With Intelligent Rnn-Based State-Of- | Mr.R.Sathish | Interdisciplinary projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105316 | Jeeva V | | | | |
| | 81421105320 | Lenin S | | | | |
| | 81421105312 | Hari Haran T | | | | |

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|----|--------------|------------------|---|------------------|---------------------------------|--|
| | | | Charge Management | | | |
| 21 | 81421105321 | Logeshwaran M | Design Of Harmonic Filters For Supra Harmonics Suppression In Power Electronics Dominated Power System | Mrs.N.Saranya | Design and manufacturing | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105322 | Mahesh U | | | | |
| | 81421105323 | Mohamed Yasin A | | | | |
| | 81421105327 | Raghu S | | | | |
| | 810421105023 | Jayanathan .K | Controller Design for Autonomous direct current for Micro grid Operation | Mr .C. Kavikumar | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| 22 | 810421105034 | Mahesh .P | | | | |
| | 810421105037 | Mohan Raj .B | | | | |
| | 810421105048 | Rajarajan | | | | |
| 23 | 810421105005 | Anbuselvan .J | Dual battery Management system with Real Time Monitoring , Thermal Regulations &Fire safety for Electric Vehicles | Mrs.T.Thenmozhi | Solution of industrial problems | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 810421105011 | Dhanushsanjai .V | | | | |
| | 810421105020 | Gowtham .S | | | | |
| | 810421105049 | Rajesh Kannan .D | | | | |
| 24 | 81421105066 | Sobiya R | Enhanced Smart Safety Helmet For Industrial Workers | Mrs.S.Ayswarya | Product based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105070 | Susmitha R | | | | |
| | 81421105079 | Vishpriya M | | | | |
| 25 | 81421105014 | Dinesh M | Integrated Optimization Techniques For High Power Dwpt System In Electric Vechicles | Devika K | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81421105035 | Mahendran K | | | | |
| | 81421105045 | Ragul R | | | | |
| | 81421105046 | Ragul S | | | | |

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|----|--------------|----------------|---|----------------|-------------------------|--|
| 26 | 810421105075 | Vengatesan R | Enhanced Solar Pv Performance With Dual Control Mppt In Dc-Dc Converter Application | Mr.P.Suriya | Research based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810421105077 | Vijay S | | | | |
| | 810421105302 | Asraf Deen M | | | | |
| | 810421105326 | Pugalarasan S | | | | |
| 27 | 810421105019 | Gokul Raj R | Optimized Energy Harvesting For Enhanced Smart IoT Performance | Mrs.M. Anusuya | Research based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810421105027 | Karthiravan K | | | | |
| | 810421105042 | Prasath S | | | | |
| | 810421105043 | Prithivi Raj S | | | | |

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| NO | Reg.No. | Name of The Student | Project title | Guide Name | Project type | Mapping with PO,PSO |
|----|--------------|---------------------|--|------------------|------------------------|--|
| 1 | DSUG20105023 | Naveen A | Modeling of Active- Clamp Fly back Converter As Auxiliary Power Supply of An Inductive-Charging System For Electric Vehicles | Dr.K.Anbarasan | Industry Based Project | PO1,PO2,PO3,PO PO5,PO6,PO7,P 8,PO9,PO10,PO ,PO12,PSO1,PS 2, PSO3 |
| | DSUG20105024 | Naveen A | | | | |
| | DSUG20105031 | akthivel S | | | | |
| | DSUG20105032 | msalamon.P | | | | |
| | DSUG20105310 | avarasan E | | Dr.M.Parameswari | | |

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|---|--------------|-------------------|---|-----------------|--------------------------|---|
| | DSUG20105327 | Mohamed Yasir S | Adaptive Control Technique For Portable Solar Powered EV Charging Adapter To Operate In Remote Location | | Product based Project | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105330 | Rugesh M | | | | |
| | DSUG20105333 | Rakash R | | | | |
| 3 | DSUG20105011 | Divyalakshmi G | Case Study On Inductive Charge Induced on Human Body In Basketball Court | Dr.K.Srinivasan | Research-based Project | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105018 | Deerthika C | | | | |
| | DSUG20105036 | Deekha D | | | | |
| | DSUG20105314 | Devithaa R T | | | | |
| | DSUG20105006 | Divyazhagan R | Modelling of Three Port Soft Switch DC-DC VFB Converter With Battery For SPV Applications | Dr.N.Arunkumar | Design and Project based | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105003 | Subakkar Sithik R | | | | |
| | DSUG20105009 | Ramesh D | | | | |
| | DSUG20105010 | Ramesh M | | | | |
| 5 | DSUG20105001 | Prasanna B | | Dr.M.Vijay | | |

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|---|--------------|----------------|--|-------------------------|-------------------------|---|
| | DSUG20105033 | njay K | Development And Implementation of Wireless Smart Board Using Air canvas | | Research based projects | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105042 | enkatesh J | | | | |
| | DSUG20105045 | shnu S | | | | |
| | DSUG20105045 | shnu S | | | | |
| 6 | DSUG20105301 | odul Rahuman B | Comparative Analysis of Power Electronics converter for Ultrafast charging In EV Application | <u>Dr.D.Danalakshmi</u> | Research-based Project | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105317 | ishna G | | | | |
| | DSUG20105335 | hul S | | | | |
| | DSUG20105344 | rendhar S | | | | |
| 7 | DSUG20105005 | shay R | Harvesting of Electromagnetic Energy By Using Self Powered Synchronous Switch Energy Extraction Circuit. | Mrs.T.Lavanya | Product based project | PO1,PO2,PO3,PO5,PO6,PO7,P3,PO9,PO10,PO12,PSO1,PS2, PSO3 |
| | DSUG20105020 | eganathan | | | | |
| | DSUG20105025 | adeepan R | | | | |
| | DSUG20105037 | ya Balan D | | | | |
| 8 | DSUG20105035 | enivasan S | | Mr.M.Asaitambhi | | |

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|----|--------------|---------------|---|------------------|--|---|
| | DSUG20105039 | kanth P | Design And Implementation | | Design and product based | PO1,PO2,PO3,PO PO5,PO6,PO7,P PO8,PO9,PO10,PO PO12,PSO1,PS PO2, PSO3 |
| | DSUG20105041 | rya A | Monitoring Photovoltaic Induction | | | |
| | DSUG20105044 | shnu B | Motor Control Using IoT | | | |
| 9 | DSUG20105004 | thkumar R | Microgrid Battery Charging Management | Mr.K.Vijayakanth | Interdisciplinary Project | PO1,PO2,PO3,PO PO5,PO6,PO7,P PO8,PO9,PO10,PO PO12,PSO1,PS PO2, PSO3 |
| | DSUG20105012 | avarasan E | Using Fuzzy Based DC-DC Charge Controller | | | |
| | DSUG20105019 | anikandan E | | | | |
| | DSUG20105046 | sithran R | | | | |
| 10 | DSUG20105013 | hilarasan E | Micro-inverter for Extracting Power In The Photovoltaic Panel Using Coupled Inductor. | Ms,Anandhi.S | Solutions of the industrial problems | PO1,PO2,PO3,PO PO5,PO6,PO7,P PO8,PO9,PO10,PO PO12,PSO1,PS PO2, PSO3 |
| | DSUG20105021 | ukesh Kumar G | | | | |
| | DSUG20105026 | avin Kumar C | | | | |
| | DSUG20105038 | ya R | | | | |
| 11 | DSUG20105008 | manaselvan S | IoT Based Battery Management | Mr.Kannan R | Application based project | PO1,PO2,PO3,PO PO5,PO6,PO7,P PO8,PO9,PO10,PO |
| | DSUG20105017 | rthick R | | | | |

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|----|--------------|--------------|---|-------------------|------------------------------|---|
| | DSUG20105022 | uthukumar P | System In lectric Vehicle | | | ,PO12,PSO1,PS 2, PSO3 |
| | DSUG20105030 | mkumar S | | | | |
| 12 | DSUG20105002 | ishek P | Reduced oltage Stress nd Spikes In ource Current of 7 Level Switched Capacitor Based Multilevel Inverter | nothkumar V | Research ased project | 01,PO2,PO3,PO PO5,PO6,PO7,P 3,PO9,PO10,PO ,PO12,PSO1,PS 2, PSO3 |
| | DSUG20105014 | okul S | | | | |
| | DSUG20105029 | makrishnan R | | | | |
| | DSUG20105304 | ash R | Design And Modeling of ctive Quasi Z- Source Multilevel Inverter With High Gain Boost | Mrs.T.Durga | dustry-Based Project | 01,PO2,PO3,PO PO5,PO6,PO7,P 3,PO9,PO10,PO ,PO12,PSO1,PS 2, PSO3 |
| | DSUG20105306 | hik Ali S | | | | |
| | DSUG20105312 | owtham D | | | | |
| | DSUG20105336 | mesh V | | | | |
| 14 | DSUG20105308 | rath R | Model Predictive ontrol Based Energy | Mr.G.Chandrasekar | terdisciplinary y Project | 01,PO2,PO3,PO PO5,PO6,PO7,P 3,PO9,PO10,PO |
| | DSUG20105320 | geshwaran L | | | | |

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|----|--------------|----------------------|--|-------------------|---------------------------|---|
| | DSUG20105349 | veek V | Management System By using Battery / super capacitor hybrid Energy Storage In Electric Vehicle | | | ,PO12,PSO1,PSO2, PSO3 |
| | DSUG20105323 | phamed Abuthair A J | Online Adaptive Gain For Passivity Based Control For sensor less BLDC Motor Coupled With DC Motor For EV Application | Ms.S.Nalini | Research-based Project | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3 |
| | DSUG20105325 | phamed Farid Ahmed M | | | | |
| | DSUG20105326 | phamed Riyas A | | | | |
| | DSUG20105329 | phanraj R | | | | |
| 16 | DSUG20105016 | gadheesh J | Mitigation Of Voltage Sag And Swell Using DVR | Mrs.M.Bhuvanewari | Application-based Project | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2,PSO3 |
| | DSUG20105028 | kesh V | | | | |
| | DSUG20105040 | ram S | | | | |
| | DSUG20105043 | nkatesan M | | | | |
| 17 | DSUG20105328 | phammed Jilani R | Implementation of Dual Coupled Lcc-S For EV Wireless | Mr.Selvakumaran S | Interdisciplinary project | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PSO1,PSO2,PSO3 |
| | DSUG20105332 | veen K | | | | |

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|----|--------------|---------------------|--|-----------------------------|-----------------------------------|--|
| | DSUG20105341 | ambarasan S | arging System Using Ann | | | 2,PSO1,PSO2, O3 |
| | DSUG20105343 | nivasan R | | | | |
| 18 | DSUG20105315 | Jegadeesh S | Grid Integrated PV Based E- Vehicle Charge Station With Improved Reactive Power Compensati on | Dr.G.Muralikrishn an | Application- Based Project | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,P O12,PSO1,PSO 2, PSO3 |
| | DSUG20105334 | Prashanth S | | | | |
| | DSUG20105340 | Shameer Ahamed A | | | | |
| 19 | DSUG20105307 | Athi Gowtham A | Spv Fed Luo Converter Based BLDC Motor For Water Pumping System | Ms.S. Amali Arputha Mary | Interdiscipli nary Projects | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,P O12,PSO1,PSO 2, PSO3 |
| | DSUG20105313 | rikrishnan S | | | | |
| | DSUG20105347 | gneshwar M | | | | |
| | DSUG20105348 | ay M | | | | |
| 20 | DSUG20105309 | nesh Ram | irectional Full Bridge Llc Resonant nverter For E- Vehicles Charging Applications | D.Krishnamoorthi | roduct based projects | 1,PO2,PO3,PO4, 5,PO6,PO7,PO8, 9,PO10,PO11,P 2,PSO1,PSO2, O3 |
| | DSUG20105331 | ndhakumar | | | | |
| | DSUG20105345 | tri Sezhiyan J | | | | |
| | DSUG20105346 | gnesh M | | | | |

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|----|--------------|------------------|---|--------------|-----------------------------|---|
| 21 | DSUG20105303 | th K | DT Monitoring r Grid Voltage gulation Using odel Predictive ontrol in Wind Systems | M.Kathamuthu | Application ased project | 01,PO2,PO3,PO4, 05,PO6,PO7,PO8, 09,PO10,PO11,P 02,PSO1,PSO2, 03 |
| | DSUG20105316 | laivanan R | | | | |
| | DSUG20105319 | chief.I | | | | |
| | DSUG20105324 | phamed Arafath A | | | | |

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| S.NO | Register No | Name | Project Title | Project Guide | Project Type | Mapping with PO,PSO |
|------|--------------|-----------------|---|------------------|----------------------------|--|
| 1 | 810419105011 | Hariharan M | Performance Analysis of Single Phase Multilevel Cascaded Converter Based On Particle Swarm Optimization Technique | Dr.K.Anab arasan | Research based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 810419105045 | Sabarinathan S | | | | |
| | 810419105302 | Jaya Prasanth M | | | | |
| | 810419105314 | Vigneshwaran | | | | |
| 2 | 810419105001 | Abinaya.P | A Smart Electric Vehicles Station | Dr.M.Paraswari | Interdisciplinary projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, |
| | 810419105309 | Pavithra. M | | | | |

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|---|------------------|---------------------|--|---------------------|----------------------------|--|
| | 81041910 5047 | Sathyasri .S | Assessment System Using AI With Block Chain | | | PO11,PO12,PSO1,PSO2, PSO3 |
| 3 | 81041910 5013 | Kalaiyarasan. K | Design And Implementation Of Single Input Multi Output DC-Dc Converter Using Super Lift LUO Technology | Dr.N.Arun kumar | Design and manufacturing | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81041910 5027 | Mohammed Ashik A | | | | |
| | 81041910 5304 | Maharaja M | | | | |
| | 81041910 5311 | Surendhar S | | | | |
| 4 | 81041910 5051 | Sriram.K | Modelling And Implementation Of High Frequency Switched QRFC Using Snubber Circuit | DrG.Muralikrishnana | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81041910 5060 | Vignesh.K | | | | |
| | 81041910 5308 | Prithviraj.A | | | | |
| | 81041910 5310 | Sanjay Kumar.V | | | | |
| 5 | 81041910 5008 | Gopika. R | Zero Voltage Derivative Switching For Resonant Converters With Reduction of Ripple | Mrs.T.Lavana | Research based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81041910 5047 | Sathya D | | | | |
| | 81041910 5309 | Priyavathana R | | | | |
| 6 | 81041910 5021 | Madhavan R | A Goal Towards Electro Mobility Within Smart City Solution (IoT) Based | Mr M.Asaitambhi | Application based projects | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2, PSO3 |
| | 81041910 5026 | Mohamed Arafath I | | | | |
| | 81041910 5306 | Mohammed Imthiyaz M | | | | |

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| | 81041910 5312 | Suresh V | Air Quality Monitoring | | | |
| 7 | 81041910 5014 | Kannan.D | Implementati on of High Voltage Gain Interleaved Boost Converter For Electric Vehicles | Dr.Srinivas an K | Application based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5031 | Manoj.M | | | | |
| | 81041910 5040 | RajeshKum ar.A | | | | |
| | 81041910 5048 | Sedhupathy .A | | | | |
| 8 | 81041910 5037 | RagulRajan. S | Wireless Charging System For Electric Vehicles | Mrs.K.Pre etha | Application based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5305 | Minnal Raj M | | | | |
| | 81041910 5053 | Thanigaivel. V | | | | |
| | 81041910 5016 | Kaviyarasu G | | | | |
| | 81041910 5063 | Aravind. R | Hybrid Solar Wind Inverter | Dr. R.Latha | Design and manufacturing | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| 9 | 81041910 5063 | Vinoth. M | | | | |
| | 81041910 5056 | Uma Sudhan R | | | | |
| | 81041910 5017 | Kaviyazhaga n. E | | | | |
| 10 | 81041910 5020 | Lavanya.A | A Grid Connected Single Phase Transformer | Dr.Suba Seethslaks hmi V | Design and manufacturing | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, |
| | 81041910 5033 | Pavithra.k | | | | |

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| | 81041910 5303 | Johncy.A | Less Inverter Using H5 Topology Controlling Two Solar PV Arrays | | | PO11,PO12,PSO 1,PSO2, PSO3 |
| 11 | 81041910 5012 | Kalaimathi J | Detection of Lightning Damage on Wind Turbine Blades Using Artificial Neural Network | Mr.Selvak umaran S | Research based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5022 | Malathi M | | | | |
| | 81041910 5058 | Varshini R | | | | |
| | 81041910 5064 | Vishnupriya .M | | | | |
| 12 | 81041910 5004 | Ariharan.S | Implementati on of Frontend Buck Converter For Torque Ripple Reduction In BLDC Motor | Mr.J.Nagen dran | Application based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5018 | Krishnaraj. B | | | | |
| | 81041910 5024 | Manokaran. V | | | | |
| | | | | | | |
| 13 | 81041910 5023 | Manikanda n M | IoT Based Battery Monitoring System In Electrical Vehicles | Mr.K.Vijay akanth | Interdisciplinary projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5061 | Vignesh T | | | | |
| | 81041910 5313 | Vengatesan R | | | | |
| | 81041910 5701 | Arjun K | | | | |
| 14 | 81041910 5025 | Mohaideen N | Design Of 100Mw Solar PV Power | Mr.G.Chan drasekar | Industry based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, |

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| | 81041910 5042 | Rasheedul Irfan M | Plant Using Mono Perc Silicon Technology Based PV Panels With Single Axis Tracker And Analysis Plant Performance | | | PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5301 | Hidhyathull ah B | | | | |
| 15 | 81041910 5009 | Gurumoort hi M | Integration of Buck Converter With Extended Super Lift Buck Converters For Electric Vehicles | Mr.M.Kath amuthu | Design and manufacturing | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5019 | Kuralarasan K | | | | |
| | 81041910 5038 | Ragupathi P | | | | |
| | 81041910 5055 | Udhayprak asu D | | | | |
| 16 | 81041910 5010 | Hariharan A | An Smart Energy Storage System Using Zero Export Inverter | Dr.M.Para meswari | Application based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5015 | Kathirvel C | | | | |
| | 81041910 5059 | Vengatajala pathi M | | | | |
| | 81041910 5062 | Vimalan D | | | | |
| 17 | 81041910 5007 | Dinesh K | Design Of 100kw Solar Power Plant Using Bifacial Technology Based PV Panels And Analysis Of Performance Using Different | Mr.M.Asai thambi | Application based projects | PO1,PO2,PO3,P O4,PO5,PO6,PO7 ,PO8,PO9,PO10, PO11,PO12,PSO 1,PSO2, PSO3 |
| | 81041910 5029 | Mugeshku mar T | | | | |
| | 81041910 5035 | Prakash K | | | | |
| | 81041910 5039 | Raja V | | | | |

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Academic Year 2024-25

| S.NO. | BATCH NO. | REG NO. | NAME | TITLE OF THE PROJECT |
|--------------|------------------|----------------|------------------|--|
| 1. | 1 | 810422105033 | HAREESH A | DEVELOPMENT OF AN AUTONOMOUS POWER SYSTEM UTILIZING CO-LOCATED SOLAR AND PIEZOELECTRIC HARVESTER |
| 2. | | 810422105027 | ELANCHERAN E | |
| 3. | | 810422105026 | DINESH KUMAR S | |
| 4. | | 810422105007 | ARAVINTH N | |
| 5. | 2 | 810422105034 | HARI PRASATH K | SMART ASSISTIVE DEVICE FOR VISUALLY IMPAIRED |
| 6. | | 810422105054 | MANIKANDAN M | |
| 7. | | 810422105048 | LOGESHWARAN K | |
| 8. | | 810422105041 | JAYAKARTHICK J | |
| 9. | 3 | 810422105020 | CHANDRU S | OPTIMAL CONTROL OF MULTI LEVEL BOOST-BUCK AC/DC CONVERTER FOR HIGH EFFICIENCY, WIDE RANGE EV CHARGER |
| 10. | | 810422105037 | HARISH R | |
| 11. | | 810422105060 | NAVEEN VARSHAN M | |
| 12. | | 810422105062 | NITHISH S | |

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|-----|---|--------------|---------------|--|
| 13. | 4 | 810422105038 | HARISUDHAN R | ROAD ACCIDENT PREVENTION USING AIRAVAT |
| 14. | | 810422105001 | AAKASH A | |
| 15. | | 810422105043 | KALAISELVAN B | |
| 16. | | 810422105049 | MAGESH B | |
| 17. | 5 | 810422105008 | ARAVINTH P | SMART WIRELESS EV CHARGING USING NEURAL NETWORKS FOR REAL TIME IMPEDANCE CONTROL |
| 18. | | 810422105029 | GAJENDRAN S | |
| 19. | | 810422105053 | MAKESHWARAN R | |
| 20. | | 810422105058 | MOHAN DASS S | |
| 21. | 6 | 810422105304 | GUHAN M | EVALUATION ON THE IOT BASED ONLINE METHODS FOR MONITORING TRANSFORMER TURN-TO- TURN FAULTS |
| 22. | | 810422105308 | LAKSHMANAN D | |
| 23. | | 810422105309 | MANIVASAN P | |
| 24. | | 810422105313 | NISHANTH S | |
| 25. | 7 | 810422105028 | FARHAN UMAR A | REAL-TIME ATTENDANCE MONITORING VIA A SECURE FINGER PRINT WITH MOBILE APPLICATION |
| 26. | | 810422105030 | GANESH. S | |
| 27. | | 810422105047 | LOGESH M | |
| 28. | | 810422105302 | DHANUSH B | |
| 29. | 8 | 810422105022 | DEEPANRAJA N | PERFORMANCE EVALUATION OF DATA PRE-PROCESSING |
| 30. | | 810422105036 | HARISH R | |

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|-----|----|--------------|-------------------|--|
| 31. | | 810422105064 | PRASANTH B | METHODS FOR SOLAR PANELS FAULT DETECTION |
| 32. | | 810422105063 | PERARASU S | |
| 33. | 9 | 810422105005 | AMEER S | DEVELOPMENT OF AN OPTIMIZED ISOLATED DC-DC CONVERTER FOR ULTRA-WIDE OUTPUT RANGE IN EV FAST CHARGING SYSTEMS |
| 34. | | 810422105042 | JAYAKUMAR K | |
| 35. | | 810422105056 | MOHAMED SUHAIL E | |
| 36. | | 810422105057 | MOHAMMED FAHEEM H | |
| 37. | 10 | 810422105003 | AJITH A | PHOTOVOLTAIC MLI BASED DVR WITH BATTERY ENERGY STORAGE SYSTEM FOR POWER QUALITY IMPROVEMENT |
| 38. | | 810422105024 | DHANUSHKUMAR R | |
| 39. | | 810422105035 | HARIHARAN P | |
| 40. | | 810422105021 | CHARUDUTTA HARI V | |
| 41. | 11 | 810422105310 | MOHAMED SHAKITH S | DESIGN AND IMPLEMENTATION OF AN IOT BASED ENERGY MANAGEMENT SYSTEM FOR SMART GRID DEMAND SIDE CONTROL |
| 42. | | 810422105320 | YASWANTH E | |
| 43. | | 810422105307 | KANNAN S | |
| 44. | | 810422105055 | MANIMARAN P | |
| 45. | 12 | 810422105018 | BHARANIDHARAN S | SMART IOT BASED FIRE PREVENTION AND FAULT DETECTION SYSTEM WITH |
| 46. | | 810422105010 | AROKKIYARAJA S | |

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| 47. | | 810422105013 | ASWINTH R | AI-POWERED BATTERY MANAGEMENT FOR E-VEHICLES |
| 48. | | 810422105015 | ASWIN KUMAR P | |
| 49. | 13 | 810422105006 | AMIRTHARAJ R | SMART EV CHARGING INFRASTRUCTURE USING IOT |
| 50. | | 810422105009 | ARI HARAN S | |
| 51. | | 810422105011 | ARULARASAN R | |
| 52. | | 810422105012 | ARUNRAJ S | |
| 53. | 14 | 810422105017 | BARATH R | DEVELOPMENT OF AN OPTIMIZED AND IMPROVED WIRELESS POWER TRANSFER SYSTEMS FOR CHARGING APPLICATIONS USING A BLCSC CONVERTER |
| 54. | | 810422105019 | BHAVITHRAN M | |
| 55. | | 810422105023 | DEVARAJ. B | |
| 56. | | 810422105032 | GURUDEVA S | |
| 57. | 15 | 810422105031 | GOWTHAM S | RAILWAY TRACK OBSTACLE DETECTION USING CNN ACCIDENT AVOIDANCE |
| 58. | | 810422105040 | IRFAN SHARIF S | |
| 59. | | 10422105046 | KISHORE V A | |
| 60. | 16 | 810422105305 | JAGADEESHAN R | IOT- BASED ACCIDENT MONITORING AND AMBULANCE DISPATH SYSTEM FOR REAL- TIME RESCUE |
| 61. | | 810422105306 | KAMALESH K | |
| 62. | | 810422105312 | MURUGAN V | |
| 63. | | 810422105314 | POOVARASAN R | |
| 64. | 17 | 810422105039 | HEMAVARSHINI S | |

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| 65. | | 810422105045 | KAVIYA T | IOT ENABLED REAL TIME WATER QUALITY MONITORING SYSTEM FOR SMART CITIES WITH SOLAR ENERGY HARVESTING |
| 66. | | 810422105050 | MAHALAKSHMI S | |
| 67. | 18 | 810422105002 | AASHA G | NEXT GENERATION RAILWAY SAFETY: IOT COLLISION AVOIDANCE TECHNOLOGY |
| 68. | | 810422105045 | KAVIYA T | |
| 69. | | 810422105059 | MONISHA J | |
| 70. | 19 | | SUBASH B | WEIGHTED DYNAMIC AGGREGATION OF GRID FOLLOWING INVERTERS TO ANALYZE RENEWABLE DG INTEGRATED MICROGRID |
| | | 810422105101 | | |
| 71. | | 810422105106 | SUNIL T | |
| 72. | | 810422105103 | SUDHARSHAN S | |
| 73. | | 810422105088 | SANJAY K | |
| 74. | 20 | 810422105114 | VENKATESA C | SMART SOLAR EV CHARGING STATION WITH ADAPTIVE CONTROL AND GRID POWER BALANCING FOR DC VOLTAGE STABILITY |
| 75. | | 810422105107 | SURIYA K | |
| 76. | | 810422105120 | VIMALRAJ R | |
| 77. | | 810422105118 | VIGNESHWARAN V | |
| 78. | 21 | 810422105104 | SUMA A | INTELLIGENT ADAPTIVE ENERGY MANAGEMENT SYSTEM FOR STANDALONE ELECTRIC VEHICLES WITH DYNAMIC POWER FLOW |
| 79. | | 810422105110 | THILLAI NAYAKI R | |
| 80. | | 810422105095 | SNEHA V | |

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| | | | | OPTIMIZATION AND BATTERY PROTECTION |
| 81. | 22 | 810422105301 | ANUSIYA K | DYNAMIC MODELLING AND PERFORMANCE EVALUATION OF CONVENTIONAL AND DUAL UPQC |
| 82. | | 810422105097 | SRI PRIYASAMOONDES WARY R | |
| 83. | | 810422105085 | SANGARI G | |
| 84. | 23 | 810422105093 | SIVA KUMAR V | DATA DRIVEN SWITCH FAULT DIAGNOSIS FOR DC/DC BOOST CONVERTERS IN PHOTOVOLTAIC APPLICATIONS |
| 85. | | 810422105105 | SUNDHAR RAJAN R | |
| 86. | | 810422105108 | SURIYA S | |
| 87. | | 810422105122 | VISHNUVARDAN G K | |
| 88. | 24 | 810422105092 | SEENIVASAN R | DESIGN OF CHILD SAFETY SMART COAT USING AI WITH HYBRID ENERGY |
| 89. | | 810422105109 | TAMIZHARASAN G | |
| 90. | | 810422105316 | TAMILKAVIYAN A | |
| 91. | | 810422105311 | MOHAN K | |
| 92. | 25 | 810422105111 | UMESH J | AI ENABLED FAULT DETECTION, CLASSIFICATION AND LOCALIZATION IN HIGH VOLTAGE TRANSMISSION LINES USING HYBRID MACHINE LEARNING MODELS |
| 93. | | 810422105065 | PRAVEENKUMAR K | |
| 94. | | 810422105119 | VIJAYAKUMAR R | |
| 95. | | 810422105087 | SANJAI S | |
| 96. | 26 | 810422105123 | YUGENDIRAN S | |

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| 97. | | 810422105079 | RUBAN V | AI DRIVEN POWER QUALITY ANALYSIS IN DISTRIBUTION GRIDS |
| 98. | | 810422105116 | VIGNESH M | |
| 99. | | 810422105081 | SABARINATHAN G | |
| 100. | 27 | 810422105071 | RAJA SITHICK M | IMPLEMENTATION OF A BRIDGELESS MANITOBA RECTIFIER TOPOLOGY FOR HIGH FREQUENCY WIRELESS POWER TRANSFER |
| 101. | | 810422105076 | RISHABANANTHAN R | |
| 102. | | 810422105096 | SRI KANTH L | |
| 103. | | 810422105112 | VARUNRAJ M | |
| 104. | 28 | 810422105070 | RAHUL V | IOT BASED WIRELESS EV CHARGING STATION WITH REAL TIME ENERGY MONITORING AND MANAGEMENT |
| 105. | | 810422105075 | RANJITH E | |
| 106. | | 810422105082 | SAKTHI S | |
| 107. | | 810422105094 | SIVA M | |
| 108. | | 810422105113 | VEERA ROHIT NANDHA KUMAR R | |
| 109. | 29 | 810422105089 | SANJAY S | BATTERY MANAGEMENT SYSTEM WITH THERMAL MONITORING |
| 110. | | 810422105086 | SANJAI R | |
| 111. | | 810422105066 | PRAVIN KANTH S | |
| 112. | | 810422105102 | SUBASH S | |

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| 113. | 30 | 810422105072 | RAJESH R | AI DRIVEN SWITCHED CAPACITOR DUAL INPUT CONVERTER FOR SOLAR PV AND BATTERY ENERGY SYSTEMS |
| 114. | | 810422105090 | SANTHOSH KUMAR S | |
| 115. | | 810422105091 | SARAVANAN P | |
| 116. | | 810422105080 | SABAREESH KUMAR E | |
| 117. | 31 | 810422105099 | SRINATH V | MONITORING OF POWER SYSTEM EVENTS AT TRANSMISSION AND DISTRIBUTION LEVEL |
| 118. | | 810422105100 | SRIRAM K | |
| 119. | | 810422105068 | PUJAN E | |
| 120. | | 810422105069 | RAGUL R | |
| 121. | 32 | 810422105115 | VIGNESH J | EV – BATTERY CHARGING USING PIEZOELECTRIC ROADS |
| 122. | | 810422105117 | VIGNESH M | |
| 123. | | 810422105317 | THULASI RAMAN M | |
| 124. | | 810422105318 | VIJAY M | |
| 125. | | 810422105501 | GIRI P | |
| 126. | 33 | 810422105121 | VISHAL K | AUTOMATED RAIL HEALTH ASSESSMENT WITH HIGH FREQUENCY VIBRATION SENSOR |
| 127. | | 810422105084 | SANDHURU P | |
| 128. | | 810422105098 | SRIDHARSHAN S | |
| 129. | | 810422105077 | RISHABH KUMAR | |

