



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF CONSULTANCY PROJECT

ACADEMIC YEAR 2023-2024

| S.No | Title of the Project | Investigator | Consultant | Status |
|------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------|---------|
| 1 | High-Efficiency Grid Systems Using Switched Capacitor-Based Multilevel Inverters | Investigator Dr.V.Sridevi Co-Investigators (1) Dr.S.Priya (2) Mr.K.Manikandan | AB Technologies, Nagercoil | Ongoing |
| 2 | Efficient Power Factor Correction for Industrial Motor Drives with HR Resonant Converter Design | Investigator Dr.D.Lakshmi Co-Investigators: (1) Dr.R.K.Padmashini (2)Mrs.R.Rajasree | Athiran Technologies, Chennai | Ongoing |
| 3 | Innovative PV-Based Smart Charging System for Electric Vehicles with Advanced Converters | Investigator Dr.R.K.Padmashini Co-Investigators: (1)Dr.D.Lakshmi (2)Dr.R.Karthick manoj | Athiran Technologies, Chennai | Ongoing |
| 4 | Efficient Smart Grid Management Using PV-Based Architecture and Advanced Converters | Investigator Dr.R.Karthick manoj Co-Investigators: (1) Dr.D.Lakshmi (2) Dr.R.K.Padmashini | AB Technologies, Nagercoil | Ongoing |
| 5 | Intelligent Security Protocols and Path Optimization for Marine Propulsion Systems | Investigator Mrs.R.Rajasree Co-Investigators (1) Dr.D.Lakshmi (2)Dr.R.Karthick manoj | AB Technologies, Nagercoil | Ongoing |