

3.1.1.Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs) (5)

| 2019-2020 | | | | | | | | |
|--|---|--------------------------------------|---------------|-------------------------|-------------------------|--|----------------------------------|---|
| Name of the Project/ Endowments, Chairs | Name of the Principal Investigator/Co-investigator | Department of Principal Investigator | Year of Award | Amount Sanctioned (INR) | Duration of the project | Name of the Funding Agency | Type (Government/non-Government) | Link to funding agency website |
| Intelligent post harvest monitoring & controlling system using wireless sensor network | B. Divya (Full Time Research Scholar) under the guidance of Dr. M. Santhi | ECE | 2019 | 300000 | 24 Months | Tamilnadu State Council for Science & Technology(TNSCST) | Government | https://www.tanscst.nic.in/ |
| MODROBS - Modernization of Communication Laboratory with Software Defined Radio and removal of Obsolescent Equipment | Dr. M. Santhi | ECE | 2019 | 1200000 | 12 Months | All India Council for Technical Education(AICTE) | Government | https://www.aicte-india.org/ |
| Novel Design & Control Strategies and Innovative Technical Practices in LV/HV Modern Switch Gear | Dr.C.Krishnakumar | EEE | 2019 | 300000 | 1 week | All India Council forTechnical Education (AICTE) | Government | https://www.aicte-india.org/ |
| Design and Fabrication of Power ElectronicInterface for Fixing and Removal of Bearing and Coupling in Mechanical System using Induction Heating. | Dr.C.Krishnakumar and Dr.S.Thamizharasan | EEE | 2019 | 30000 | 9 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Protection and Switchgear | Dr.C.Krishnakumar and Dr.D.Kalyanakumar | EEE | 2019 | 30000 | 1 week | Anna University | Government | https://www.annauniv.edu/ |
| Cutting Edge Technology on Electrical Communication Embedded System and Soft Computing Techniques. | Dr.S.Vijayalakshmi | EEE | 2019 | 500000 | 3 days | All India Council forTechnical Education (AICTE) | Government | https://www.aicte-india.org/ |
| BIO medical application using Nano sensor | Dr.M. Shanmugavalli | ICE | 2020 | 30000 | 2 days | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Artificial Intelligence based Smart Building Controller | Ms.K.Ezhilarasi | ICE | 2019 | 7500 | 6 Months | Tamilnadu State Council for Science & Technology(TNSCST) | Government | https://www.tanscst.nic.in/ |
| Machine Learning Techniques using PyTorch | Mr.A.Anand | IT | 2020 | 10000 | 1 day | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |

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|--|--|------|------|-------|----------|--|------------|---|
| "Comprehensive Analysis of New Composition Cast Single Point Cutting Tool in Machining Various Materials" | Mr.A.Saravanan | MECH | 2020 | 20000 | 6 months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Experimental Analysis and Optimization of Friction Welding Parameters on Dissimilar Metals" | Dr.N.Baskar Mr.S.Karthikeyan | MECH | 2019 | 25000 | 6 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Performance Investigation On Solar Distillation System using Air Conditioning Unit Reject Water as Working Fluid | Mr.M.Sridharan | MECH | 2019 | 30000 | 6 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Performance Monitoring and Controlling of shell and tube heat exchanger using Internet of Things | Ms.R.S Shivaranjani & Mr.P.Vigneshwar | MECH | 2019 | 30000 | 6 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Design and fabrication of friction welding joint on Aluminium Alloy Grade 6351 | Dr.N.Baskar Mr.S.Karthikeyan | MECH | 2019 | 7500 | 6 Months | Tamilnadu State Council for Science & Technology(TNSCST) | Government | https://www.tanscst.nic.in/ |

2018-2019

| Name of the Project/ Endowments, Chairs | Name of the Principal Investigator/Co-investigator | Department of Principal Investigator | Year of Award | Amount Sanctioned (INR) | Duration of the project | Name of the Funding Agency | Type (Government/non-Government) | Link to funding agency website |
|---|--|--------------------------------------|---------------|-------------------------|-------------------------|--|----------------------------------|---|
| Recognition of Ancient Tamil Characters from Epigraphical Inscriptions using OCR Technique | M. Merline Magrina (ME Comm Sys) under the guidance of Dr. M. Santhi | ECE | 2019 | 7500 | 6 Months | Tamilnadu State Council for Science & Technology(TNSCST) | Government | https://www.tanscst.nic.in/ |
| Design of micro grid and grid integration issues of distrutibed generation | Dr.S.Vijayalakshmi | EEE | 2019 | 30000 | 2 days | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Big data Analytics | Dr. Sumathi Rathnam | IT | 2019 | 300000 | 1 week | All India Council for Technical Education(AICTE) | Government | https://www.aicte-india.org/ |
| "Experimental Investigation on Solar Hybrid Heatrier System" with ID 'PG2019009' | Mr.M.Sridharan | MECH | 2018 | 30000 | 6 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Experimental Analysis, Evaluation and Optimization of Friction Welding Parameters on EN 353 Alloy | Dr.N.Baskar Mr.S.Karthikeyan | MECH | 2018 | 15000 | 6 Months | The Institution of Engineers(IEI) | Government | https://www.ieindia.org/webui/IEI-Activities.aspx |
| Cutting Edge Technology and Contemporary Research in Mechanical Engineering | Dr.N.Baskar & Dr.R.Rekha | MECH | 2019 | 647000 | 2 weeks | All India Council for Technical Education(AICTE) | Government | https://www.aicte-india.org/ |

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|--|--|--------------------------------------|---------------|-------------------------|-------------------------|--|----------------------------------|---|
| Development and Implementation of Simplified Intelligent Controller for a Regulated Autonomous hybrid PV Array Excited Wind driven Induction Generator system with an unbalanced and non-linear load | Mr.S.Lenin Prakash | EEE | 2013 | 520000 | 36 Months | All India Council for Technical Education(AICTE) | Government | https://www.aicte-india.org/ |