



**GRANT RECEIVED / APPLIED**  
**RESEARCH INITIATIVES TAKEN BY THE DEPARTMENT FACULTY MEMBERS:**  
 Funding Proposals Applied and Sanctioned  
**ACADEMIC YEAR 2023-2024**

| S.No | Name of the Funding Agencies                         | Type of the Event   | Fund Proposed | Faculty Coordinator   | Status  |
|------|--|---|---------------|---|---------|
| 1.   | Centre for faculty Development,<br>Anna University   | FDP-4G/5G Communication<br>Networks   | Rs.25000      | Dr.K.Sivasankari, Professor/ECE<br>Mrs.K.Nimisha, AP/ECE  | Applied |
| 2.   | Centre for faculty Development,<br>Anna University   | FDP – Data Exploratory<br>Analysis  | Rs.25000      | Dr. N.Suguna, Professor/CSE<br>Mrs. M. Nisha, AP/CSE  | Applied |
| 3.   | Centre for faculty Development,<br>Anna University   | FDP- CAD/CAM  | Rs.25000      | Dr.A.Karthik, ASP/MCT,<br>Dr.S.Thillikkani, ASP/Mech,   | Applied |
| 4.   | Science & Engineering Research<br>Board (SERB)       | Investigating Access,<br>Identifying Challenges and<br>Empowering Communities.        | Rs.28,16,000  | Dr.R.Vignesh, AP/Civil<br>Dr.P.Ravikumar,ASP/MCT<br>Dr.S.Kapilan, AP/Civil  | Applied |
| 5.   | Indian Council of Social Science<br>Research (ICSSR) | Real Time Eye movement<br>Condition for Comatose<br>Patient Using L3<br>Communication | Rs. 7,20,000  | Dr. S. Jothi Lakshmi, ASP/CSE<br>Mrs. M. Nisha, AP/CSE<br>Mr. V. Balamurugan, AP/ CSE   | Applied |
| 6.   | Indian Council of Social Science<br>Research (ICSSR) | Complete Health Monitoring<br>and Cyber Safe Smart<br>Education                       | Rs. 28,80,000 | Dr. S. Jothi Lakshmi, ASP/CSE<br>Mrs. M. Nisha, AP/CSE<br>Mr. V. Balamurugan, AP/ CSE<br>Mrs. M. S. Kavitha, AP/ CSE<br>Mrs. V. Krithika, AP/ CSE | Applied |

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| 7. | Centre for faculty Development,<br>Anna University    | FDP-Data Exploratory<br>Analysis   | Rs.25000      | Dr. N.Suguna, Professor/CSE<br>Mrs. M. Nisha, AP/CSE                                    | Applied |
| 8. | SERB-POWER Grant                                      | Single Mothers Thriving in<br>Parenthood and Decoding<br>Intellectual Capacities using<br>AI and Emotional Detection<br>Tools          | Rs.16,15,000  | Mrs. M. Nisha, AP/CSE<br>Mrs. K. Gomathi, AP/CSE  | Applied |
| 9. | SERB-POWER Grant                                      | Empowering Survivors:<br>Leveraging Artificial<br>Intelligence for Emotional<br>Intelligence Analysis in<br>Women Affected by Violence | Rs.12,80,000  | Mrs. K. Malarvizhi, AP/CSE<br>Mrs. K. Veena, AP/CSE                                     | Applied |
| 10 | SERB-POWER Grant                                      | A Visual Support System for<br>Women Nurturing Children<br>with Disabilities   | Rs.16,76,000  | Mrs. P. Sowkarthiga, AP/CSE<br>Mrs. V. Krithika, AP/CSE<br>Mrs. M. S. Kavitha, AP/CSE   | Applied |
| 11 | SERB-POWER Grant                                      | Develop An Eco Friendly<br>Biogas Digester for<br>Sustainable Management of<br>Organic Waste from Municipal<br>Solid waste             | Rs.30,00,000  | Dr.R.Premasudha, Professor/Civil<br>Mrs.J.Anitha, AP/Civil<br>MS.D.Kalaimathi, AP?Civil | Applied |
| 12 | SERB-POWER Grant                                      | Revolutionizing Lotus<br>farming: Harnessing smart<br>irrigation for optimal growth<br>and sustainability                              | Rs. 22,40,000 | Dr.K.G Dharani ASP/ECE<br>Mrs. Balambigai AP/EEE  | Applied |
| 13 | SERB-POWER Grant                                      | Energy efficient VLSI chip<br>with low power OPAMP for<br>Remote Patient Monitoring<br>System  | Rs. 20,40,000 | Dr.K.Sumathi Professor/ECE<br>Ms.S.Vishnushree AP/ECE                                   | Applied |
| 14 | SERB-POWER Grant                                      |  |               | Dr.K.Sivasankari Professor/ECE<br>Mrs. K. Nimisha AP/ECE                                | Applied |
| 15 | Tamilnadu State Council for<br>Science and technology | National Level Seminar on<br>Exploring the impact of<br>machine elements design in<br>automation                                       | Rs. 10,000    | Dr.P.Ravikumar,ASP/MCT  | Applied |
| 16 | Science & Engineering Research<br>Board (SERB)        | National Level Seminar on  | Rs. 70,000    | Dr.P.Ravikumar,ASP/MCT<br>Dr.A.Karthik, ASP/MCT   | Applied |

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|    |   | Additive manufacturing concepts using 3D printing and design  |              |   |              |
| 17 | Human Rights Commission                       | Research Project Sustainable solutions for safe drinking water: Investigating Access, Identifying Challenges and Empowering Communities   | Rs. 7,50,000 | Dr.P.Ravikumar,ASP/MCT<br>Dr.S.kapilan,AP/Civil                                       | Applied      |
| 18 | Council of Scientific and Industrial Research | Technological developments in sustainable bio energy conversion techniques  | Rs. 1,00,000 | Dr.P.Ravikumar,ASP/MCT  | Applied      |
| 19 | AICTE   | Additive manufacturing Concepts using in 3D Printing in design.   | Rs. 3,50,000 | Dr.P.Ravikumar, ASP/MCT<br>M.Selvaraju, AP/Mech                                       | Applied      |
| 20 | JOY IT Solutions                              | ML-Driven Identification of Medicinal Plants and Supply Chain Management  | Rs. 66,000   | Dr.N.Suguna, Professor/CSE<br>Mrs.P. Sowkarthiga, AP/AIDS<br>Mrs.K.Malarvizhi, AP/CSE | <b>Grant</b> |
| 21 | Applied Automation Systems PVT LTD            | Smart Textiles:IoT Implementation in Textile Manufacturing  | Rs. 3,00,000 | Dr.T.Surya, AP/ECE  | <b>Grant</b> |
| 22 | Niral Thiruvizha                              | AI Enabled Drone to Track Human Movements during Disasters  | Rs. 10,000   | Mr.C.Rajasekar, AP/MCT  | <b>Grant</b> |
| 23 | Niral Thiruvizha                              | Develop an automated system for real-time street light detection, precise location tracking, and efficient maintenance in cities  | Rs. 10,000   | Ms.D.Kalaimathi, AP/Civil   | <b>Grant</b> |
| 24 | Niral Thiruvizha                              | How might we develop an automatic self-cleaning toilet system, incorporating UV disinfection, hot air drying, water saving features and real-time availability tracking for nearby functional toilets | Rs. 10,000   | Mrs.J.Anitha, AP/Civil  | <b>Grant</b> |
| 25 | TNSCST  | Campus commute: imple - mentation sustainable transportation solution on college campus   | Rs. 7500     | Mrs.M.Nisha   | <b>Grant</b> |

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| 26 | TNSCST | An eco-friendly and natural utilization of leaves to reduce plastic wastes in road-side to medium sized hotels | Rs. 7500 | Dr.R.Vignesh     | <b>Grant</b> |
| 27 | TNSCST | Visual patient monitoring system   | Rs. 7500 | Dr.K.Sivasankari | <b>Grant</b> |
| 28 | TNSCST | Sewage and drainage cleaning machine   | Rs. 7500 | Mr.O.Sathish     | <b>Grant</b> |