

HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32


RESEARCH PROPOSAL

SEED MONEY SCHEME-2024-25


Selected list

| S NO | DEPT | NAME OF THE PI & CO-PI | TITLE OF THE PROPOSAL | AMOUNT In Rs |
|------|-------|--|---|--------------|
| 1. | MECH | Mr.K.Vigneshwaran Mr.S.Udhayakumar | Next-Generation Drainage Cleaning Equipment Conceptualization, Design and Prototyping | 200000 |
| 2. | CSE | Mrs.N.Abinaya Mrs.P.Rathika | Smart Agri-Drone System for Targeted Coconut Disease Detection and Optimized Spraying | 170000 |
| 3. | | Mrs.D.Suganthi | Smart and Sustainable Waste Management System with IoT Sensors | 160000 |
| 4. | IT | Mr.D.Vimal Kumar | Automatic Vehicle Speed Control System and Path Creation for Emergency Vehicle in Traffic Congested Signal. | 120000 |
| 5. | | Mr.P.Pandiyarajan Mrs.V.Umashankari Mr.S.Karthickkumar | AI and IoT- Enhanced Drug Detection System with Integrated Alert Messaging. | 140000 |
| 6. | S & H | Dr.P.Lalitha Dr.D.Prakash | Investigate the Effects of Ion Beam Irradiation on Amino Acid Single Crystals for Nonlinear Optical Applications. | 130000 |
| 7. | | Dr.V.Prabhu | Tabernaemontana Alternifolia's Potent Punch: Unveiling the Cytotoxic Poerof Indole Alkaloids. | 120000 |
| 8. | | Mr.M.Moses Deveprasanna Mr.V.Ganesan | Hydrogen as a Sustainable Agent for NO _x Emission Reduction in CI Engines. | 200000 |

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| 9. | AERO | Mr.N.Maheswaran Mr.M.Harish | Structural Optimization of Aircraft Nose Landing Gear Components by Using Additive Manufacturing. | 170000 |
| 10 | ECE | Mrs.T.Sivamani | Development of Web Application for Organic Farming. | 180000 |
| 11 | | Mrs.A.Roopasree | IoT Based ICU Patient Monitoring System. | 150000 |
| 12 | IT | Mrs.K.Suganya | Neuro – Acoustic feedback Control Systems for Cognitive state Regulation and Behavioral Optimization. | 150000 |
| 13 | | Dr.M.Durai Pandian | Public Health Chabot using AI driven Approach. | 163000 |
| 14 | MBA | Dr.S.Elango Mr.J.Rupesh | Managerial; Adoption of Algorithms Based Design Technologies and its Impact on Customer Retention in Customized EMI Financing. | 150000 |
| 15 | | Dr.R.Ayyamperumal | Examining the Influence of managerial Technology Adaption on Decision Velocity and EMI Structuring Effectiveness in Consumer Finance Organizations. | 120000 |
| 16 | | Mr.P.Muthuraja | Effectiveness of Performance Appraisal Systems in Modern Organizations. | 100000 |
| Total (Twenty Four Lakhs Twenty Three Thousand Only) | | | | 2423000 |


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