



COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)
(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi) Established in
1956, A Unit of V.Rangasamy Naidu Educational Trust **CIVIL AERODROME POST,**
COIMBATORE-641 014, TAMILNADU, INDIA

Criterion III – Research Innovation and Extension

Key Indicator - 3.1 Promotion of Research and Facilities

3.1.2 The institution provides seed money to its teachers for research

3.1.2.1 Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)

Contents

- List of faculties provided with seed money

3.1.2 The institution provides seed money to its teachers for research

Name of the teacher provided with seed money	Title of the Project	Duration	Date of grant DD-MM-	Amount granted (INR in Lakhs)
2023-2024				
Dr.A.Saravanan	Real Time Exam Supervision System using Deep Learning Techniques	1 Year	07.08.2023	120000
Dr.D.SudhaDevi/Dr.M.Sujithra/ Dr.P.Velvadivu	Federated Learning for Effective Mental Stress Management of Working Women in the Educational Institutions	1 Year	07.08.2023	120000
Dr.P.Aruna/Dr.N.Priya	Predicting Academic Success of a Student in Educational Institution	1 Year	07.08.2023	120000
Dr.D.Kavitha	Finger-tip Haptics for Braille and Tactile Feature Generation Using Electropneumatic Interface as a Wearable Device for Visually Impaired Students	1 Year	07.08.2023	150000
Dr.A.G.Sudha/Dr.S.Thilaga/Dr.J.Deepa	Learning and Development: A Blended Learning Through gamification - A Tool to Improve Sustainable Branding	1 Year	07.08.2023	50000
Dr.K.V.Hemalatha	Utilisation of Waste-derived Activated Carbon as Electrode Material for Supercapacitor Applications	1 Year	07.08.2023	75000
Dr.B.Gayathri	Development of Nanohydroxyapatite from Edible Waste for Potential Biomedical Applications	1 Year	07.08.2023	150000
Dr.B.Uma Maheswari	Bioinspired Superhydrophobic Mesoporous Hybrid Aerogels/Membranes by Coordination of Biochar for Effective Oil Adsorption and Nano-Emulsion separation	1 Year	07.08.2023	75000

Dr.R.Azarudeen	Fabrication of Gold Nanoparticles Incorporated Nanofiber Scaffolds:A Promising Regenerated Approach for Bone Tissue Engineering Application	1 Year	07.08.2023	100000
Dr.M.Sangeetha	AD-SP Device for Visually Impaired	1 Year	07.08.2023	100000
Dr.T.Balakumaran/Ms.T.Yathavai/Ms.M.Abitha Thangam	Analysis and Reduction of Electromagnetic Radiation from WiFi routers /5G Smartphones	1 Year	07.08.2023	34000
Dr.I.S.Akila/Ms.D.Diana Josephine	Design and Testing of RF Class F Power Amplifier with Optimal Power Added Efficiency and Gain for eMBB applications in 5G	1 Year	07.08.2023	90000
Dr.R.Rajalakshmi	Drone with Robotic Arm for the maintenance of Wind Blades in Wind Turbines	1 Year	07.08.2023	80000
Dr.J.Devishree/Ms.A.Priyadarshini	Design and Development of Improved Power Quality Convertors	1 Year	07.08.2023	100000
Mr.M.Karthikeyan	Feasibility of Inconel-Aluminium Disimilar Welding by Modified MIG and Friction stir Welding Processes	1 Year	07.08.2023	100000
Dr.C.Balaji Ayyanar	Characterisation and Evaluation of In vitro Wound Healing of the Plant Extracts Loaded Biomembrane	1 Year	07.08.2023	100000
Dr.M.P.Muthuraj/Dr.S.Brindha/Dr.K.Nithyapriya/Dr.K.V.Hemalatha/Mr.D.Arul/Mrs.	A Pilot Study on Non -Shrinkable Chemical Grouting Material for Fractured Structure	1 Year	07.08.2023	100000

Dr.V.G.Kalpana	Influence of Geopolymer Ash Fine Aggregate as a River Sand Replacement Material on the Mechanical and Durability Properties of Cement Mortar and Concrete	1 Year	07.08.2023	150000
2022-2023				
NIL				
2021-2022				
NIL				
2020-2021				
Dr. R. Saraswathi	The Treatment with Optimization of Printing Process Generated Waste Water from a Newly Developed Sono -Assisted Electrochemical Reactor	1 Year	31.3.2021	100000
Mr.K.Karthik	Experimental Investigation of Dissimilar Metal Weld Joints using GTAW Process	1 Year	31.3.2021	100000
Dr.S.Geetha	Object Detection and Tracking using Error Tolerant Hardware	1 Year	31.3.2021	100000

Dr.B.Premalatha & Ms.Cynthia Joseph	Compressive Sensing based Real time Multimodal Emotion Recognition System	1 Year	31.3.2021	100000
Dr.M.Mohanapriya	Smart Chair for Correct Sitting Posture using IOT	1 Year	31.3.2021	100000
Dr.E.Arul	DIGI Security for ICT Enabled System	1 Year	31.3.2021	100000
Dr. P. Sivakumar	Recovery of Precious Metals from Electronic Waste by a Porous Porphyrin Polymer	1 Year	31.3.2021	100000
Dr. B. Uma Maheswari	Waste Aquatic Weeds as a Bio reductant for Phot Degradation of Organic Waste Pollutant and Antibacterial Performance in Water Treatment	1 Year	31.3.2021	75000
Dr. P. Balraju	Investigation of Coconut Shell Based Activated Carbon for Water Purification	1 Year	31.3.2021	50000
Dr.P.Rupa	Heavy Metal Assessment in Soil and Plants by Early Response of Plants in Abatement of Coimbatore City Air Pollution around Singanallur Lake for Green Belt Development	1 Year	31.3.2021	50000
Dr.R.Maheshvari	Prevalance of Risk, Treatment Seeking Behaviour and Cost Incurred for Gynaecological Cancer Patients in Coimbatore District,Tamil Nadu	1 Year	31.3.2021	75000
Dr.C.Stanly Felix	Design and Development of IoT Based Energy Efficient Economically Viable Chicken Egg Incubator Model and its Performance Analysis	1 Year	31.3.2021	100000

Dr. A. Gnanaprakasam	catalytic Pyrolysis of Plastic Waste for the production of Liquid Fuels	1 Year	07.12.2020	15000
Dr.N.Anithadevi	MediFood	1 Year	07.12.2020	25000
Dr. S. NandaKumar	Design and Development of thermoelectric generator System from exhaustable gas of vehicles	1 Year	07.12.2020	15000
2019-2020				
Mr.M.Gowri shankar	Development of Sustainable Building Blocks in Housing Construction for Low Income People	1 Year	07.08.2019	125000
Dr.V.G.Kalpana	Parametric Study on Thermal Efficiency and Seismic Response of Composite Insulated Precast Concrete Sandwich Wall Panel Buildings	1 Year	07.08.2019	125000
Mr.S.Thirumurugan	Performance Evaluation of Ionano(INFs) Fluids as Absorbant in Vapour Absorption Refrigeration Systems	1 Year	07.08.2019	93600
Dr.S.Suja	Design and Analysis of Cost Effective Electric Vehicle Charging Station	1 Year	07.08.2019	125000
Dr.M.Poongothai & Ms.S.Dhanalakshmi	IoT Based Indoor Air Quality (IAQ) Monitoring and Controlling System for CIT Campus	1 Year	07.08.2019	125000

Dr.P.Suresh	Synthesis and Characterization of Hetero-Structured Powder Catalyst for Photo-Catalytic Application	1 Year	07.08.2019	1250000
Dr.C.P.Yoganand	Fabrication of Nanocarbon Based Medical Cotton Fabrics by Plasma Impregnation Technique for Wound Healing and Anti-Cancerous Applications	1 Year	07.08.2019	125000
B.Gayathri	Novel Bone Mimetic Scaffold Composed of Polyactic Acid Hydroxyapatite Zeolite Biomaterial-Finding the Route of Mechanism	1 Year	07.08.2019	125000

1814000

1105000

2093600