

**Dr. Mahalingam College of Engineering and Technology, Pollachi -03
(An Autonomous Institution)**

Office of Dean Research & Innovation

In-house R&D Details

Academic year	Number of projects sanctioned	Seed Money Provided (in Rs.)
2024-2025	13	8,52,650
2019- 2024	14	15,95,500
2017- 2019	17	13,91,000
Total	44	38,39,150

In-house R&D (June 2019- March 2025)

March 2025

S.No.	Name of the teacher & Students provided with seed money	Title of the Project	Seed Money Provided (in Rs)	Duration	Year of receiving
1.	Dr.T.Ramkumar	Interfacial phase transformation and element diffusion mechanism of high speed laser cladding titanium alloy coated with High Entropy Alloy (HEA) in high temperature environment	1,00,000	1 Year	2023-24
2.	Dr.N.Shanmugasundaram	Fabrication of OKRA fiber reinforced polymer composites using vacuum assisted resin transfer molding and study on Mechanical, Dynamic mechanical properties of composites	98,000	1 Year	2023-24
3.	Mr.R.Muthubharathi	Smart campus IoT infrastructure: Integrating Edge, Fog, and cloud technologies for efficient monitoring and management	1,28,800	1 Year	2023-24
4.	Ms.C.Jayashree	Enhancing MCET Website Access: A voice recognition-based hands free approach integrated with Chat-bot functionality.	1,37,000	1 Year	2023-24
5.	Ms.M. Jotheeswari	LibroBot: Revolutionizing Library Services with AI- powered assistance	90,500	1 Year	2023-24
6.	Dr.K.Vivekanandan	Supplier Bot	1,14,050	1 Year	2023-24
7.	Mr.J. Arthur Vasanth	Development of virtual reality (A New system of educative method)	61,900	1 Year	2023-24

S.No.	Name of the teacher & Students provided with seed money	Title of the Project	Seed Money Provided (in Rs)	Duration	Year of receiving
8.	Chandru S (727623BME303) Sandeep V S (727622BME067) Kabilesh M(727623BME305) Balaaswin S (727622BME073) Manoj M (727622BME057) Pranesh L R (727623BME307) Faculty Mentor: Mr.S.Naveen Kumar- AP/MECH	Design of intelligent door closing system	24,400	1 Year	2023-24
9.	Hari Pradap V (727622BIT026) Surya N (727622BIT014) Uthaya kumarV(727622BIT094) Gayathri M(727622BIT060) Abdhul Razaak (727622BIT036) Aarthy K(727622BIT054) Faculty Mentor: Mr.R. Govindaraj – AP/IT	Skillvista: AI Driven career development system	15,000	3 Months	2023-24
10.	Saran S (727622BAD010) Kathirvel D(727622BAD024) Venkatesh K P (727622BAD026) Shanmuga Vishnu G(727622BAD084) Gokul prasath M (727622BAD086) Faculty Mentor: Dr.N. Suba Rani –Asso. Prof/CSE	LLMs: Revolutionizing communication and ethical considerations	22,000	1 Year	2023-24
11.	Kaviya K (727621BAD030) Harshini S (727621BAD039) Suganath P 727621BAD049) Faculty Mentor: Mr.M.Arun – AP(SS)/AIDS	Revolutionizing hostel attendance : face & location based tracking system	35,000	3 Months	2023-24
12.	Godwin Jacob J (727622BCS096) Roshan Akthar M R (727622BCS004) Faculty Mentor: Ms.S.C.Lavanya- AP(SS)/CSE	Smart Cane	8,000	6 Months	2023-24

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13.	Abinesh R (727622BEC094) Kavipriya A(727622BEC104) Varsha S(727622BEC108) Navanika M L (727622BEC005) Nithin S M(727622BEC045) Logananth K(727622BEC025) Faculty Mentor: Ms.S.Thiagavathi-AP(SS)/ECE	Development of microstrip patch antenna using frequency selective surface (FSS) for 5G/6G Applications	18,000	6 Months	2023-24
14.	Mr. S. Syed Masoodhu	Hydraulic Performance of Geosynthetic Clay Liner with Modified Clay by Polymeric Hydrogels	1,10,000	1 year	2022-23
15.	Dr.A.Noble Mary Juliet	Web/Mobile Application for Multi modal Mark entry and Hall booking service automation	1,15,000	1.5 years	2022-23
16.	Mr.K.R.Gokul Anand	Customized Cultivation using Smart Aeroponics System	1,04,500	1 year	2022-23
17.	Dr.K.Rameshkumar	Design and Development of Solar Photovoltaic fed Electric Vehicle Charging Station with Improved Power Quality using Virtual Active Power Filter	1,15,000	2 years	2022-23
18.	Mr.M.Gideon Ganesh	Design and fabrication of polymer-based 3D printing	1,10,000	1 year	2022-23
19.	Dr.T.Ramkumar	Design and Development of PCM-Nano Composite for Solar Water Heater Application	1,15,000	1 year	2022-23
20.	Mr.C.Radhakrishnan	Experimental Investigation of Bio-oil Produced from continuous Flash Pyrolysis of Biomasses	1,10,000	2 years	2022-23
21.	Dr.A.Shanmugapriya	Synthesis and anticancer activity of binuclear Ni(II) & Pd(II) complexes	1,07,600	1.5 Years	2022-23
22.	Dr.J.Johnson William	Microwave Engineering of Binary Metal Compounds and its carbon composites as Electrode Materials for Energy Storage and Photocatalytic Applications	1,15,000	1 year	2022-23
23.	Dr.M.Mariyappan	Silver Nanoparticles Embedded Rare Earth Doped Borophosphate Glasses for Lasers, Wleds and Amplifiers	1,14,400	1 year	2022-23

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24.	Dr.S.Ponni@Sathya	Work smart at villages	70,000	1 year	2021-22
25.	Dr.K.Umamaheshwari	Brain frequency controlled handicapWheelchair	31,000	6 months	2021-22
26.	Dr.Rama Thirumurugan	Coconut Husk pre Crushing machine	2,82,000	1 year	2020-21
27.	Mr.P.Kathirvel	Life saving Mobility	96,000	6 months	2019-20