

**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.)
2017- August 2023	31	29,86,500

In-house R&D (2017-Aug 2023)

August 2023

S.No.	Name of the teacher provided with seed money	Title of the Project	Seed Money Provided (in Rs)	Duration	Year of receiving
1.	Mr. S. Syed Masoodhu	Hydraulic Performance of Geosynthetic Clay Liner with Modified Clay by Polymeric Hydrogels	1,10,000	1 year	2022-23
2.	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
3.	Mr.K.R.Gokul Anand	Customized Cultivation using Smart Aeroponics System	1,04,500	1 year	2022-23
4.	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

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5.	Mr.M.Gideon Ganesh	Design and fabrication of polymer-based 3D printing	1,10,000	1 year	2022-23
6.	Dr.T.Ramkumar	Design and Development of PCM-Nano Composite for Solar Water Heater Application	1,15,000	1 year	2022-23
7.	Mr.C.Radhakrishnan	Experimental Investigation of Bio-oil Produced from continuous Flash Pyrolysis of Biomasses	1,10,000	2 years	2022-23
8.	Dr.A.Shanmugapriya	Synthesis and anticancer activity of binuclear Ni(II) & Pd(II) complexes	1,07,600	1.5 Years	2022-23
9.	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
10.	Dr.M.Mariyappan	Silver Nanoparticles Embedded Rare Earth Doped Borophosphate Glasses for Lasers, Wleds and Amplifiers	1,14,400	1 year	2022-23
11.	Dr.S.Ponni@Sathya	Work smart at villages	70,000	1 year	2021-22

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12.	Dr.K.Umamaheshwari	Brain frequency controlled handicapWheelchair	31,000	6 months	2021-22
13.	Dr.Rama Thirumurugan	Coconut Husk pre Crushing machine	2,82,000	1 year	2020-21
14.	Mr.P.Kathirvel	Life saving Mobility	96,000	6 months	2019-20
15.	Dr.Karthick Jayaram	Mavericks - All terrian Vehicle	5,00,000	1 year	2018-19
16.	Dr.V.K.Sudha	Green energy based vegetable preservator controlled through IoT	28,000	6 months	2018-19
17.	Mr.B.Vigneshkumar	Automated Fedility Car	31,000	6 months	2018-19
18.	Mr.L.Jayaraman	Intelligent mobile robot for smart factory	45,000	1 year	2018-19
19.	Mr.P.Kathirvel	Low cost controller for Tilling machine	15,000	6 months	2018-19
20.	Mr.S.K.Ashok	Redmist Riders	1,30,000	1 year	2018-19
21.	Mr.B.Kishore Mr.N.Santhosh	Electrifying Green Aspiration Vehicle	1,10,000	6 months	2018-19
22.	Dr.G.Anupriya	Smart Object Tracker using Amazon	30,000	6 months	2018-19
23.	Dr.K.Mohaideen abdul kadhar	Classification of brain wave signals	22,000	1 year	2017-18
24.	Dr.V.K.Sudha	Raspberry Pi controlled smart switching through IoT	8,000	6 months	2017-18

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25.	Dr.R.Sudhakar, Ms.T.Sathiyapriya, Mr.V.Gurunathan	Design of Compact Microwave circuit components using Novel DGS and its applications	7,000	6 months	2017-18
26.	Mr.PE.Kamalakkannan	Renewable Energy from plastic waste	35,000	6 months	2017-18
27.	Mr.P.Kathirvel	Solar Power E-Bicylce	25,000	2 months	2017-18
28.	Mr.L.Jayaraman	4 Axis intelligent weldbot and smart material handling system	1,40,000	1 year	2017-18
29.	Dr.Rama Thirumurugan, Mr.T.Vigneshkumar	Effect of cryogenic treatment on the hardness, dimension stability and wear resistance of 440C gear steel	40,000	1 year	2017-18
30.	Mr.N.Shanmuga Sundaram Mr.K.Vijayakannan	Design and development of glass fiber reinforced polymer composites for container application	1,25,000	1 year	2017-18
31.	Mr.P.Boopathi Rajan, Mr. N. Praveen Sundra Kumar	Android mobile application for disseminating information about Government Scheme	1,00,000	6 months	2017-18