

**Dr. Mahalingam College of Engineering and Technology, Pollachi-642 003
(An Autonomous Institution)**

Office of Dean Research & Innovation

External Funded Projects and External Grant Details

Academic Year	Number of Projects	Total Funded Amount
2017- August 2023	59	Rs. 3,89,51,591
2007-2016	40	Rs. 2,11,96,000
Total	99	Rs. 6,01,47,591

Funded Project Details (2017- August 2023):

August 2023

S.No	Name of the Investigator & Department	Title of the Project	Funding Agency/ Scheme	Month & Year of Sanction	Project Duration	Sanctioned Amount (Rs.)	Status
1.	Dr.Ramathirumurugan /Mech	Self Recharging Internal Frame Electric Bicycles	MSME	August 2023	1 Year	5,75,000	In-progress
2.	Dr.M.Selvakumar / Auto	Development of EV-Fiber Rotavator for Coir Industries	EDII	May 2023	1 Year	3,21,000	In-progress
3.	Dr.K.N.Vijeyakumar/AIML Dr.R.Sudhakar/ECE Dr.N.Saravanakumar/ECE Dr.B.Vinoth Kumar/EEE Dr.K.Saranya/EEE Mr. TalluriVineel Jessy/ECE	Design and Development of healthcare equipment	MEITY	May 2023	3 Years	1,40,00,000	In-progress
4.	Dr.S.Parveen	Nanostructured bi-functional metal Schiff base complexes and its spinel oxides for biological and energy storage applications	DST	April 2023	3 Years	33,02,620	In-progress
5.	Dr. D. Shanmugam/Auto	Polymer Based Natural Fiber Composite as Vibration Damper for Automotive Application	TNSCST	March 2023	6 Months	7,500	In-progress

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6.	Dr.K.Mohaideen Abdul Kadhar/ECE	Intelligent voice assisted Note maker	TNSCST	03 March 2023	6 Months	7,500	In-progress
7.	Mr.V.Gurunathan/ECE	Plant Leaf diseases detection using computer based embedded system	TNSCST	03 March 2023	6 Months	7,500	In-progress
8.	Dr.M. Selvakumar /Auto Ms.R. Nivetha /ECE Ms.C.Devipriya /CSE	1.Development of low cost Areca nut climbing and harvesting Machine with pesticide sprayer 2.Performance evaluation of LoRa LPWAN technology for mountain search and rescue 3.Plant disease recognition for farmers	TNSCST	11 March 2022	6 Months	23,000	In-progress
9.	Dr.M. Selvakumar /Auto	Development of Automatic Jeeva-Amirtham (Organic Manure) Preparation Machine	EDII	02 Feb 2021	1 Year	2,50,000	In-progress
10.	Dr.M. Selvakumar /Auto	Development of Coconut Dehusker and Fibre Separation Unit	EDII	22 Dec 2020	1 Year	2,50,000	In-progress
11.	Dr.M. Selvakumar /Auto	Multi-Rotor Tractor Rotavator and Roto-Tiller	EDII	17 Nov 2020	1 Year	2,50,000	In-progress
12.	Dr.M. Senthilarasi Dr.M.Bharathi, Dept. of ECE	Implementation of a Machine Learning Technique for Enhancing Women Safety at Public Women-only Spaces	DST	01 July 2020	2 Years	14,37,344	In-progress
13.	Dr.Ramathirumurugan /Mech	Coconut Husk Pre Crushing Machine	EDII	June 2020 to June 2021	1 Year	2,82,000	Completed
14.	T.Sathiyaprina/ ECE S.Arulkumar / Auto	1. Battery free IoT devices based on RF Energy harvesting technique 2. Smart stair climbing wheelchair	TNSCST	March to Sept 2020	6 Months	15,000	Completed

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15.	Dr.Rathinavelu /CSE	UGC scheme for mentoring NAAC Accreditation Aspirant Institutions to promote Quality Assurance in Higher Education under PARAMARSH scheme	UGC	Oct 2019 to Sept 2020	1 Year	30,00,000	Completed
16.	Dr.V.Lakshminarayanan/ EEE	Modernization of Sensor and Instrumentation Laboratory	AICTE	February 2020 to February 2022	1Year	2,50,272	Completed
17.	Dr.K.N.Vijeyakumar/ECE	Design of High Slew Rate, Low Offset and Low Drift Operational Amplifier (OPAMP) in 180nm SCL's CMOS Fabrication Technology	ISRO	Nov 2019 to Nov 2021	1Year	20,04,000	In-progress
18.	Dr.A.Senthilkumar/EEE	Modernization of Power System Laboratory	AICTE	April 2019 to April 2021	2 Year	16,00,000	Completed
19.	Dr. I.Rajendran/ Mech	Grant for consultancy services for Research Studies in 'Evaluate the adoption of Green Manufacturing and 6S(5S+Safety) principles in motor and pump industries of Coimbatore through a system model 'Green-6S'	EDII	July 2018 to July 2019	1 Year	5,00,000	Completed
20.	Dr.V.Saravanan /Auto and Dr.S.Ramakrishnan/IT	PMKVY-TI (Pradhan MantriKaushalVikasYojana for Technical Institutions) schemeAutomotive Sector – Automotive Service Technician Level 4 IT/ITeS sector – Junior Software Developer	AICTE	April 2018 to July 2018	4 Months	1,59,653	Completed

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21.	Dr.M.Selvakumar / Auto	Tribological investigation of Titanium-Titanium Boride (Ti-TiB) composites processed through microwave sintering for Automobile disc brake applications	UGC	Nov 2017 to Nov 2019	2 Years	3,85,000	Completed
22.	Dr.D.Shanmugam/Automobile	Feasibility study on natural/glass fiber reinforced polymer Nano composites materials for naval applications	NRB	Dec 2017 to March 2019	1 Year	5,00,000	Completed
23.	Dr.Rama Thirumurugan/ Mechanical	Effect of Cryogenic Treatment on the Hardness, Dimensional Stability, and Wear Resistance of 440C Gear Steel	The Institution of Engineers (India), Kolkata	Aug 2017 to Aug 2018	1 Year	50,000	Completed
24.	Dr.S.Ramakrishnan/IT	Development of Wireless system using Machine Learning Technique for Epileptic Seizure Detection and Patient Monitoring	CSIR	July 2017 to July 2019	2 years	14,01,000	Completed

Seminar/Conference Grants

S.No	Name of the Co-ordinator & Department	Title	Funding Agency/ Scheme	Month & Year	Duration	Sanctioned Amount (Rs.)	Status
25.	Dr.K.Murali /Civil	Fundamentals and applications of textile reinforced concrete construction in India	Indian National Science Academy	August 2022	2 Days 28 th -29 th Oct 2022	50,000	Completed
26.	Dr.D.Nathan / Mech	1.Expert Talk on Process of Innovation Development & Technology Readiness level & Commercialization of lab Technologies & Tech-Transfer 2.Workshop on Design Thinking 3.Workshop on Entrepreneurship skill, attitude and behavior Development 4.Workshop on IPR 5.Workshop on Business Plan Preparation	CIBIE	Feb to Mar 2022	2 Months	10,000	In-Progress
27.	Dr.S.Ramakrishnan /IT	Two days Virtual International workshop on Privacy Preserving Artificial Intelligence Techniques for machine learning	CSIR	Nov 2021	2 Days 26 th -27 th Nov 2021	10,000	Completed
28.	Dr.A.Sakthivel, Mr.J.Senthilkumar, Dept. of S&H	Scheme for promoting interests, creativity, and ethics among students (SPICES)	AICTE-SPICES	Sep 2021 to Aug 2022	1 Year	1,00,000	Completed
29.	Dr.I.Rajendran	ATAL program online FDP on '3D Printing and Design'	AICTE ATAL	July 2021	5 Days 06 th -10 th Jul 2021	93,000	Completed

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30.	Dr.R.Sudhakar Dr.V.K.Sudha, Dept. of ECE	Online FDTP on 'Signals and Systems'	AICTE	Jun 2021	07.06.2021 to 12.06.2021	30,000	Completed
31.	Dr.A.Rathinavelu / CSE	ATAL program online FDP on 'Augmented Reality (AR) / Virtual Reality (VR)'	AICTE ATAL	December 2020	5 Days 15 th -19 th Dec 2020	93,000	Completed
32.	Dr.S.Ramakrishnan/IT	International Conference on Data Analytics, Intelligent Systems and Information Security (ICDIIS'20)	AICTE	December 2020	2 Days 11 th -12 th Dec 2020	1,66,667	Completed
33.	Dr. A. Senthilkumar/EEE	ATAL program online FDP on 'Internet of Things IOT'	AICTE ATAL	September 2020	5 Days 14 th -18 th Sep 2020	93,000	Completed
34.	Dr.B.Saravanakumar/ S&H	Nanomaterials for Clean Energy and Environmental Applications	AICTE	Nov 2020	3 Slots 02 nd -07 th Nov 2020, 16 th -21 st Nov 2020, 23 rd -28 th Nov 2020	3,34,500	Completed
35.	Dr.G.Anupriya/ CSE	Federated Identity Management System in Cyberspace: Research Perspectives	AICTE	Aug & Sep 2020	3 Slots 17 th -22 nd Aug 2020, 07 th -12 th Sep 2020, 21 st - 26 th Sep 2020	3,57,266	Completed
36.	Dr.R.Venkatasubramani/Civil	Special Topics in Geotechnical Engineering	AICTE	Aug & Sep 2020	2 Slots 24 th -29 th Aug 2020, 07 th -12 th Sept 2020	2,47,833	Completed
37.	Dr.K.Vijeyakumar/EIE	STTP on Internet of Things for Healthcare	AICTE	Aug & Sep 2020	3 Slots 24 th -29 th Aug 2020, 07 th -12 th Sept 2020, 21 st - 26 th Sept 2020	3,16,666	Completed

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38.	Dr.A.Senthilkumar/EEE	International conference on "Renewable Energy and Sustainable Environment (RESE 2019)"	AICTE	December 2019	3 Days 12 th -14 th Dec 2019	5,00,000	Completed
39.	Dr.A.Senthilkumar/ EEE	International conference on "Renewable Energy and Sustainable Environment (RESE 2019)'	CSIR	December 2019	12.12.2019 to 14.12.2019	50,000	Completed
40.	Dr.Sunil S R Gangolli /Auto	Design for Manufacture, Assembly & Environment for Product Innovation and Optimization	AICTE	November 2019 to December 2019	2 weeks 25 th Nov -07 th Dec 2019	4,26,000	Completed
41.	Dr.V.Lakshminarayanan, Dr.S.AnthonyJesudurai, Mr.P.Kathirvel Dept. of EIE	MODROBS Funding - Modernization of "Sensors and Instrumentation laboratory"	AICTE	May 2019	1 Year	16,68,000	Completed
42.	Dr.R.Sudhakar/ECE	Network Security and CMOS Mixed signal architectures	AICTE	May 2019 to June 2019	2 weeks 27 th May – 9 th Jun 2019	4,74,000	Completed
43.	S.Sugunavathy/ECE and Dr.M.Selvakumar/Automobile	1)Reconfigurable microstrip patch antenna for mobile devices (2) Solar powered hoverboard	TNSCST	March 2019 to April 2019	2 Months Mar 2019 – Apr 2019	15,000	Completed
44.	Dr.S.Maruthamuthu/Physics	Advances in Materials Research for Armaments Applications - AMRA	DRDO	February 2019	2 Days 15 th Feb- 16 th Feb 2019	50,000	Completed
45.	Dr.S.Ayyappan	Financial assistance for implementing the rural development activities in five selected villages in Pollachi Taluk under Unnat Bharat Abhiyan scheme of MHRD, Govt. of India	IIT-Delhi	Sep 2018	05.09.2018	50,000	Completed

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46.	Dr.L.Chitra/EEE	Recent Technological Developments in Energy Conservation and Storage	BRNS (DAE), Mumbai	Aug 2018	2 days 14 th -15 th Sep 2019	30,000	Completed
47.	Dr.A.Senthilkumar/EEE	Artificial Intelligent Techniques and its Application in Medical Diagnosis	ICMR	July 2018	2 Days 13 th -14 th Jul 2018	40,000	Completed
48.	Dr.K.Vijayakumar / EIE	Intelligent Automation using Industry 4.0	CSIR	June 2018	2 Days 13 th -14 th Jun 2018	30,000	Completed
49.	Dr.D.Shanmugam/Auto	Short Term Skill Training submitted by new empanelled training providers: Automotive Sector: Basic Automotive Servicing four wheeler Rs.5,31,000/- Fabrication sector: Arc & Gas Welding Rs.7,35,000/-	TNSDC	Nov 2017 to Feb 2018	3 months	12,66,000	Completed
50.	Dr. I.Rajendran/Mechanical	Behavioural Skills for holistic development	AICTE	Nov 2017 to Dec 2017	2 Weeks 27 th Nov- 10 th Dec 2017	5,62,770	Completed
51.	Dr.A.Rathinavelu/CSE	Machine Learning Techniques in Information Retrieval	AICTE	Nov 2017 to Nov 2017	2 Weeks 13 th Nov-26 th Nov 2017	4,80,000	Completed
52.	Dr.S.Ramakrishnan/IT	Mobile Application Development using open source for Cyber Secure Application	AICTE	Oct 2017 to Oct 2017	2 Days 6 th -7 th Oct 2017	1,00,000	Completed
53.	Dr. I.Rajendran/Mechanical	Vibration and Noise Engineering	AICTE	Nov 2017 to Nov 2017	2 Days 10 th -11 th Nov 2017	1,00,000	Utilize

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54.	Dr.RangaPalaniswamy/Civil	International Conference on "Renewable Energy and Sustainable Environment (RESE 2017)	DRDO	July 2017 to July 2017	2 Days	2,00,000	Completed
55.	Dr.A.Senthilkumar/EEE	International conference on "Renewable Energy and Sustainable Environment (RESE 2017)	AICTE	July 2017 to July 2017	3 Days 20 th -22 nd Jul 2017	5,00,000	Completed
56.	Dr.A.Senthilkumar/ EEE	International conference on "Renewable Energy and Sustainable Environment (RESE 2017)'	CSIR	July 2017 to July 2017	3 days 20 th -22 nd Jul 2017	50,000	Completed
57.	Dr.A.Senthilkumar/EEE	International conference on "Renewable Energy and Sustainable Environment (RESE 2017)'	DST-SERB	July 2017 to July 2017	3 days 20 th -22 nd Jul 2017	1,50,000	Completed
58.	B.Kishore S.Dinesh Dept of EEE	(1) Device for monitoring kinesiotherapy in rheumatic patients (2) Design of automated robot for garbage collection and smart segregation using wireless communication in beaches	TNSCST	Apr 2017 to May 2017	1 Month	20,000	Completed
59.	Dr.A.Senthilkumar/EEE	Recent Advancements in Energy Storage Technologies for Smart Grid Application	MNRE	Dec 2016	2 Days 16 th -17 th Dec 2016	30,500	Completed