

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

**Office of Dean Research & Innovation**

**Funded Projects and External Grant Details**

| <b>Academic Year</b> | <b>Number of Projects</b> | <b>Total Funded Amount (Rs.)</b> |
|----------------------|---------------------------|----------------------------------|
| 2024-2025            | 7                         | 95,80,050                        |
| 2023-2024            | 1                         | 15,000                           |
| 2022-2023            | 5                         | 1,86,32,340                      |
| 2021-2022            | 5                         | 2,36,000                         |
| 2020-2021            | 10                        | 31,87,000                        |
| 2019-2020            | 10                        | 84,09,272                        |
| 2018-2019            | 10                        | 32,15,000                        |
| 2017-2018            | 14                        | 59,91,000                        |
| 2007-2016            | 42                        | 2,11,96,000                      |
| <b>Total</b>         | <b>104</b>                | <b>7,04,61,662</b>               |

**Funded Project Details (2019- MAY 2025):****MAY 2025**

| 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.D.Sivaganesan/CSE                  | Contactless Doorbell using IoT  | TNSCST                 | May 2025                 | 6 Months         | 7500                    | In-progress |
|      | Mr. Shafeek A/ECE                     | Low cost portable audiometer for hearing ability test                       | TNSCST                 | May 2025                 | 6 Months         | 7500                    |             |
|      | Dr.M. Selva kumar/AUTO                | Smart clothing for elderly fall protection: Design, development and testing | TNSCST                 | May 2025                 | 6 Months         | 7500                    |             |
|      | Mrs. M. Rajalakshmi/AIDS              | Voice Controlled Email System   | TNSCST                 | May 2025                 | 6 Months         | 7500                    |             |
| 2.   | Dr.Ramathirumurugan /Mech             | AICTE IDEA LAB  | AICTE                  | Jan 2025                 | 2 Years          | 90,00,000               | In-progress |
| 3.   | Mr. M. Mahendran /Auto                | Small size vibration tester for Electric Vehicle Batteries                  | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
|      | Ms.K.S. Sudhishna/IT                  | Decentralized crowd funding   | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
|      | Mr.J. Nagarajan/ EEE                  | Design and Development of IoT based smart glucometer                        | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
|      | Mr.T.Kanagasabapathy/CSE              | Security locking panel system using RFID Card                               | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
|      | K.R.Gokul Anand/ECE                   | Mini Sprouting Machine  | TNSCST                 | Oct 2024                 | 6 Months         | 7050                    | Completed   |
|      | Dr.K.Umamaheswari/EEE                 | Automatic Solar PV panel cleaning system                                    | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
|      | Ms.S.Thilagavathi/ECE                 | Wearable security alert system for women safety in public places            | TNSCST                 | Oct 2024                 | 6 Months         | 5500                    | Completed   |
|      | Dr.M.Mariyappan/Civil                 | Experimental study on GGBS and flyash based light weight                    | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |

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|------|---|---|------------------------|--------------------------|------------------|-------------------------|-------------|
|      |   | bricks  |                        |                          |                  |                         |             |
|      | Dr.N.Senthil Madasamy/CSE   | Yoga and Exercise via virtual reality   | TNSCST                 | Oct 2024                 | 6 Months         | 7500                    | Completed   |
| 4.   | Dr.M.Selvakumar / Auto  | Development of EV-Fiber Rotavator for Coir Industries   | EDII                   | May 2023                 | 1 Year           | 3,21,000                | In-progress |
| 5.   | Dr.K.N.Vijeyakumar/AIML<br>Dr.R.Sudhakar/ECE<br>Dr.N.Saravanakumar/ECE<br>Dr.B.Vinoth Kumar/EEE<br>Dr.K.Saranya/EEE<br>Mr. Talluri Vineel Jessy/ECE | Design and Development of healthcare equipment  | MEITY                  | May 2023                 | 3 Years          | 1,39,80,000             | In-progress |
| 6.   | Dr.S.Parveen/Chemistry  | Nanostructured bi-functional metal Schiff base complexes and its spinel oxides for biological and energy storage applications | DST                    | April 2023               | 3 Years          | 42,51,340               | In-progress |
| 7.   | Dr. D. Shanmugam/Auto   | Polymer Based Natural Fiber Composite as Vibration Damper for Automotive Application  | TNSCST                 | March 2023               | 6 Months         | 7,500                   | Completed   |
|      | Dr.K.Mohaideen Abdul Kadhar/ECE   | Intelligent voice assisted Note maker   | TNSCST                 | 03 March 2023            | 6 Months         | 7,500                   | Completed   |
|      | Mr.V.Gurunathan/ECE   | Plant Leaf diseases detection using computer based embedded system  | TNSCST                 | 03 March 2023            | 6 Months         | 7,500                   | Completed   |
|      | Ms.C.Jayashree/CSE  | AR Kids application   | TNSCST                 | 03 March 2023            | 6 Months         | 7,500                   | Completed   |
| 8.   | Dr.M. Selvakumar /Auto<br>Ms.R. Nivetha /ECE<br>Ms.C.Devipriya /CSE   | 1.Development of low cost Areca nut climbing and harvesting Machine with pesticide sprayer                                    | TNSCST                 | 11 March 2022            | 6 Months         | 23,000                  | Completed   |

| S.No | Name of the Investigator & Department             | Title of the Project  | Funding Agency/ Scheme | Month & Year of Sanction  | Project Duration | Sanctioned Amount (Rs.) | Status    |
|------|---|---|------------------------|---------------------------|------------------|-------------------------|-----------|
|      |   | 2.Performance evaluation of LoRa LPWAN technology for mountain search and rescue<br>3.Plant disease recognition for farmers               |                        |                           |                  |                         |           |
| 9.   | Dr.M. Selvakumar /Auto                            | Development of Automatic Jeeva-Amirtham (Organic Manure) Preparation Machine  | EDII                   | 02 Feb 2021               | 1 Year           | 2,50,000                | Completed |
| 10.  | Dr.M. Selvakumar /Auto                            | Development of Coconut Dehusker and Fibre Separation Unit   | EDII                   | 22 Dec 2020               | 1 Year           | 2,50,000                | Completed |
| 11.  | Dr.M. Selvakumar /Auto                            | Multi-Rotor Tractor Rotavator and Roto-Tiller   | EDII                   | 17 Nov 2020               | 1 Year           | 2,50,000                | Completed |
| 12.  | Dr.M. Senthilarasi<br>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               | Completed |
| 13.  | Dr.Ramathirumurugan /Mech                         | Coconut Husk Pre Crushing Machine   | EDII                   | June 2020 to June 2021    | 1 Year           | 2,82,000                | Completed |
| 14.  | T.Sathiyaprana/ ECE<br>S.Arulkumar / Auto         | 1. Battery free IoT devices based on RF Energy harvesting technique<br>2. Smart stair climbing wheelchair                                 | TNSCST                 | March2020                 | 6 Months         | 15,000                  | Completed |
| 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 | 1Year            | 2,50,272                | Completed |

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|------|---------------------------------------|---|------------------------|--------------------------|------------------|-------------------------|-----------|
|      |                                       |   |                        | 2022                     |                  |                         |           |
| 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               | Completed |

**Seminar/FDP/Conference Grants**

| S.No | Name of the Co-ordinator & Department        | Title   | Funding Agency/ Scheme | Month & Year | Duration | Sanctioned Amount (Rs.) | Status    |
|------|--|---|------------------------|--------------|----------|-------------------------|-----------|
| 18.  | Dr B Vinoth Kumar/EEE<br>Mr A Venkatesh /EEE | Revolutionizing Electric Vehicle Powertrains: The Role of WideBandgap Semiconductors in Overcoming Challenges and Shaping Future Trends | AICTE - ATAL           | Nov 2024     | 6 Days   | 1,00,000                | Completed |
| 19.  | Dr.N.Natarajan/Civil                         | Artificial intelligence and machine learning in civil engineering   | AICTE - ATAL           | July 2024    | 6 Days   | 3,50,000                | Completed |
| 20.  | Dr. V.Umadevi/Physics                        | State Level Science Exhibition and Project Competition  | TNSCST                 | Oct 2024     | One Day  | 20,000                  | Completed |
| 21.  | Dr. V.Umadevi/Physics                        | One day State Level Exhibition on Innovative ideas in Science and Engineering   | TNSCST                 | Sep 2024     | One Day  | 15,000                  | Completed |

| S.No | Name of the Co-ordinator & Department | Title   | Funding Agency/ Scheme          | Month & Year    | Duration  | Sanctioned Amount (Rs.) | Status    |
|------|---------------------------------------|---|---------------------------------|-----------------|---|-------------------------|-----------|
| 22.  | Dr. B. Saravanakumar/ Physics         | One day state level science exhibition  | TNSCST                          | July 2023       | One day   | 15,000                  | Completed |
| 23.  | Dr.K.Murali /Civil                    | Fundamentals and applications of textile reinforced concrete construction in India  | Indian National Science Academy | August 2022     | 2 Days<br>28 <sup>th</sup> -29 <sup>th</sup> Oct 2022 | 50,000                  | Completed |
| 24.  | Dr.D.Nathan / Mech                    | 1.Expert Talk on Process of Innovation Development & Technology Readiness level & Commercialization of lab Technologies & Tech-Transfer<br>2.Workshop on Design Thinking<br>3.Workshop on Entrepreneurship skill, attitude and behavior Development<br>4.Workshop on IPR<br>5.Workshop on Business Plan Preparation | CIBIE                           | Feb to Mar 2022 | 2 Months  | 10,000                  | Completed |
| 25.  | Dr.S.Ramakrishnan / IT                | Two days Virtual International workshop on Privacy Preserving Artificial Intelligence Techniques for machine learning   | CSIR                            | Nov 2021        | 2 Days<br>26 <sup>th</sup> -27 <sup>th</sup> Nov 2021 | 10,000                  | Completed |
| 26.  | Dr.A.Sakthivel,                       | Scheme for promoting  | AICTE-                          | Sep 2021        | 1 Year  | 1,00,000                | Completed |

| S.No | Name of the Co-ordinator & Department          | Title  | Funding Agency/ Scheme | Month & Year   | Duration   | Sanctioned Amount (Rs.) | Status    |
|------|--|--|------------------------|----------------|--|-------------------------|-----------|
|      | Mr.J.Senthilkumar,<br>Dept. of S&H             | interests, creativity, and ethics among students (SPICES)  | SPICES                 | to Aug 2022    |  |                         |           |
| 27.  | Dr.I.Rajendran                                 | ATAL program online FDP on '3D Printing and Design'  | AICTE ATAL             | July 2021      | 5 Days<br>06 <sup>th</sup> -10 <sup>th</sup> Jul 2021  | 93,000                  | Completed |
| 28.  | Dr.R.Sudhakar<br>Dr.V.K.Sudha,<br>Dept. of ECE | Online FDTP on 'Signals and Systems'   | Anna University        | Jun 2021       | 07.06.2021 to 12.06.2021   | 30,000                  | Completed |
| 29.  | Dr.A.Rathinavelu / CSE                         | ATAL program online FDP on 'Augmented Reality (AR) / Virtual Reality (VR)'                           | AICTE ATAL             | December 2020  | 5 Days<br>15 <sup>th</sup> -19 <sup>th</sup> Dec 2020  | 93,000                  | Completed |
| 30.  | Dr.S.Ramakrishnan/IT                           | International Conference on Data Analytics, Intelligent Systems and Information Security (ICDIIS'20) | AICTE                  | December 2020  | 2 Days<br>11 <sup>th</sup> -12 <sup>th</sup> Dec 2020  | 1,66,667                | Completed |
| 31.  | Dr. A. Senthilkumar/EEE                        | ATAL program online FDP on 'Internet of Things IOT'  | AICTE ATAL             | September 2020 | 5 Days<br>14 <sup>th</sup> -18 <sup>th</sup> Sep 2020  | 93,000                  | Completed |
| 32.  | Dr.B.Saravanakumar/ S&H                        | Nanomaterials for Clean Energy and Environmental Applications  | AICTE                  | Nov 2020       | 3 Slots<br>02 <sup>nd</sup> -07 <sup>th</sup> Nov 2020,<br>16 <sup>th</sup> -21 <sup>st</sup> Nov 2020,<br>23 <sup>rd</sup> -28 <sup>th</sup> Nov 2020 | 3,34,500                | Completed |
| 33.  | Dr.G.Anupriya/ CSE                             | Federated Identity Management System in  | AICTE                  | Aug & Sep 2020 | 3 Slots<br>17 <sup>th</sup> -22 <sup>nd</sup> Aug  | 3,57,266                | Completed |

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|------|---|--|------------------------|----------------|---|-------------------------|-----------|
|      |   | Cyberspace: Research Perspectives  |                        |                | 2020, 07 <sup>th</sup> -12 <sup>th</sup> Sep 2020, 21 <sup>st</sup> - 26 <sup>th</sup> Sep 2020   |                         |           |
| 34.  | Dr.R.Venkatasubramani/Civil   | Special Topics in Geotechnical Engineering   | AICTE                  | Aug & Sep 2020 | 2 Slots<br>24 <sup>th</sup> -29 <sup>th</sup> Aug 2020,<br>07 <sup>th</sup> -12 <sup>th</sup> Sept 2020   | 2,47,833                | Completed |
| 35.  | Dr.K.Vijeyakumar/EIE  | STTP on Internet of Things for Healthcare  | AICTE                  | Aug & Sep 2020 | 3 Slots<br>24 <sup>th</sup> -29 <sup>th</sup> Aug 2020, 07 <sup>th</sup> -12 <sup>th</sup> Sept 2020, 21 <sup>st</sup> - 26 <sup>th</sup> Sept 2020 | 3,16,666                | Completed |
| 36.  | Dr.A.Senthilkumar/EEE   | International conference on “Renewable Energy and Sustainable Environment (RESE 2019)” | AICTE                  | December 2019  | 3 Days<br>12 <sup>th</sup> -14 <sup>th</sup> Dec 2019   | 5,00,000                | Completed |
| 37.  | 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 |
| 38.  | Dr.V.Lakshminarayanan,<br>Dr.S.Anthony Jesudurai,<br>Mr.P.Kathirvel<br>Dept. of EIE | MODROBS Funding - Modernization of “Sensors and Instrumentation laboratory”            | AICTE                  | May 2019       | 1 Year  | 16,68,000               | Completed |