



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY

Established in 1998 • An Autonomous Institution Since 2011

Pollachi, Coimbatore

**3rd RESEARCH INCENTIVE
AWARDEES &
ACHIEVEMENTS**

1st January 2024 to 31st May 2024

Office of Dean - Research & Innovation

Office of Dean - Research & Innovation

Vision

To become a globally recognized hub of pioneering research and innovation, driving transformative advancements in engineering and technology for the betterment of society.

Mission

- Foster research excellence and innovation, by identifying potential IPR, offering financial support for filing, facilitating revenue sharing from consultancy collaborations, and rewarding faculty through fair incentives.
 - Strengthen research interest groups, empower the student research council, and publish the R&I newsletter to promote and celebrate achievements in the domain of research and innovation.
 - Disseminate knowledge through the publication of research, knowledge-sharing sessions, seminars, faculty development programs, workshops, inter and intra-college technical symposiums, conferences, and open-house exhibitions.
 - Offer state-of-the-art research facilities and resources to facilitate interdisciplinary research projects, secure research funding, conduct research with industry partners, and carry out PhD works.
 - Review Ph.D. scholars' progress, department R&I activities, ongoing externally funded projects, in-house R&D projects, and institute innovation council.
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Incentive Norms

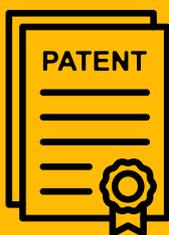


Publications



Q1 Journal - Rs.7500/-
SCIE Journal - Rs.5000/-
Scopus Journal - Rs.3000/-

Patent

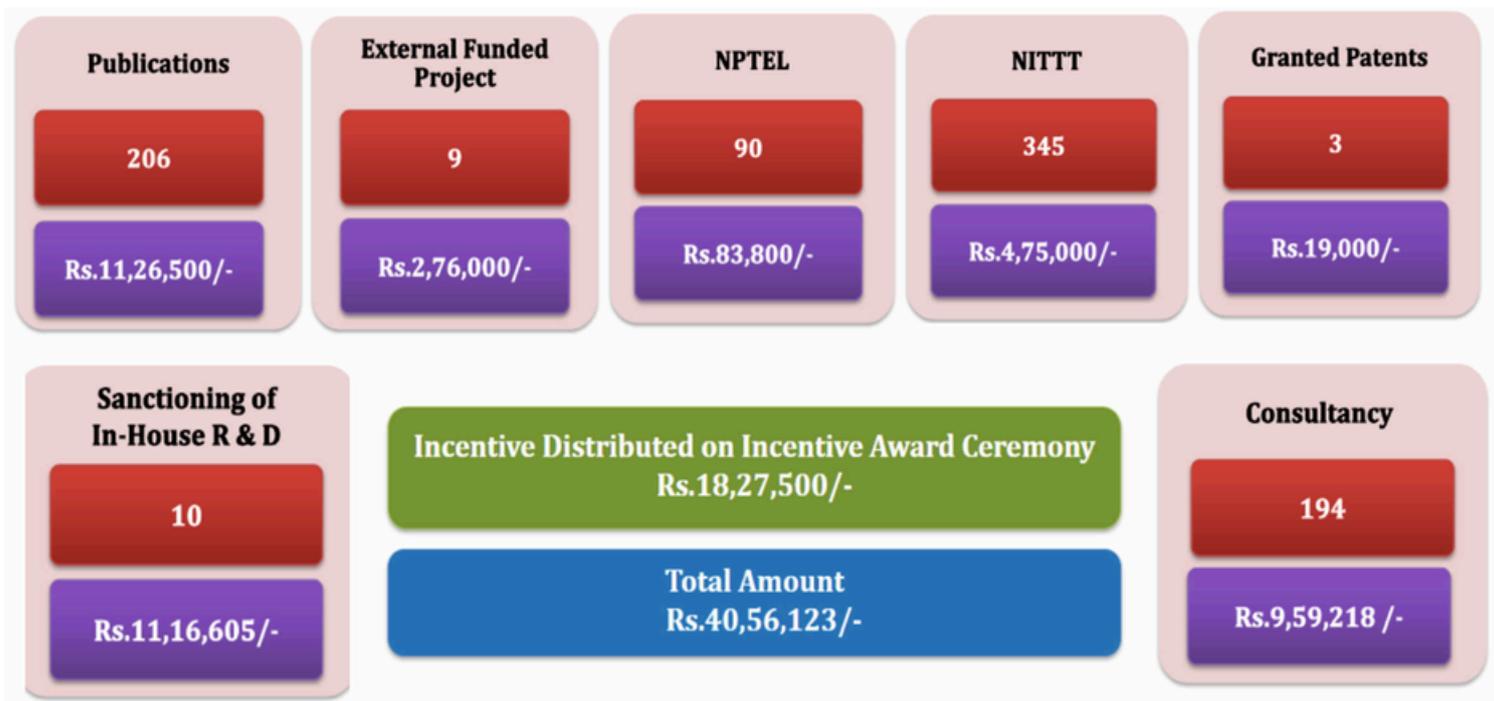


Granted Patent - Rs.7000/-
(Inventors in MCET)
Granted Patent - Rs.5000/-
(Inventors Including Other Institutions)

Office Order No: 246 – MCET/R&I/Incentive/2022-2023 Dt: 13.09.2022

Office Order No: 252 – MCET/R&I/Incentive/2023-2024 Dt: 13.02.2024

First Research Incentive Summary



**Incentive Period - Jun 2017 to Dec 2022
 (5 Years)**

**Date of Awards Ceremony
 9.6.2023**

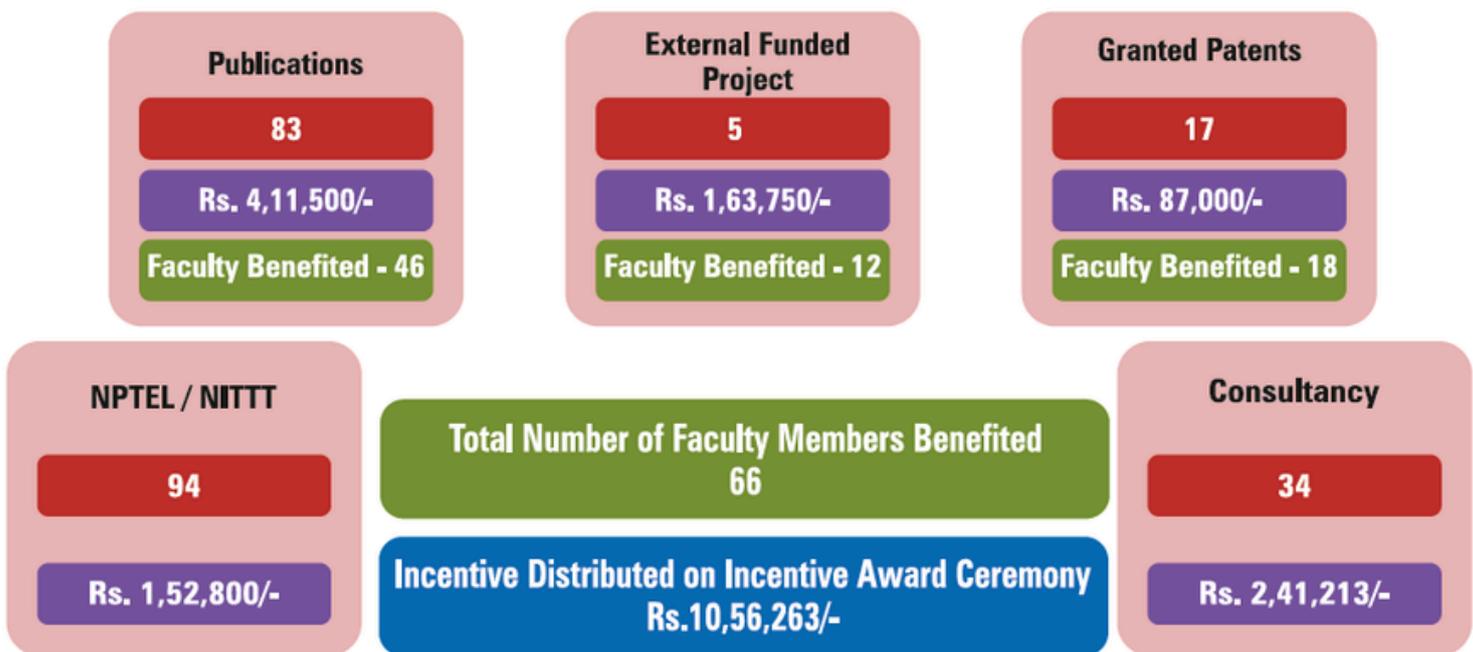
RESEARCH INCENTIVE AWARDS CEREMONY

DATE : 09.06.2023

DIAMOND JUBILEE BLOCK



Second Research Incentive Summary



**Incentive Period - Jan 2023 to Dec 2023
(1 Year)**

**Date of Awards Ceremony
16.3.2024**

RESEARCH INCENTIVE AWARDS CEREMONY

Jan 2023 - Dec 2023

DATE : 16.03.2024



Third Research Incentive Summary

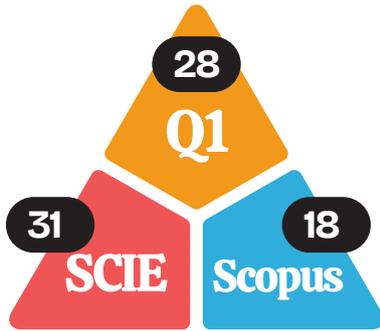
**Incentive Period - Jan 2024 to Dec 2024
(6Months)**



TOTAL INCENTIVE AMOUNT
Rs. 4,01,000/-

TOTAL NUMBER OF FACUTY BENEFITTED
84

Research Publications Summary



Artificial Intelligence & Data Science
 Rs. 9,000/- **3** Publications

Electronics & Communication Engg.
 Rs. 26,000/- **9** Publications

Automobile Engineering
 Rs. 17,250/- **5** Publications

Electrical & Electronics Engineering
 Rs. 25,500/- **5** Publications

Civil Engineering
 Rs. 35,500/- **12** Publications

Mechanical Engineering
 Rs. 68,750/- **19** Publications

Computer Science & Engineering
 Rs. 19,000/- **8** Publications

VLSI
 Rs. 10,000/- **2** Publications

Information Technology
 Rs. 27,500/- **9** Publications

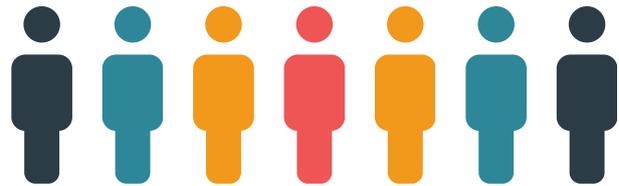
Master of Computer Applications
 Rs. 10,500/- **3** Publications

Science & Humanities
 Rs. 98,000/- **26** Publications

Granted Patents Summary

19

**Patents
Granted**



Number of Faculty Benefitted - 46

**Artificial Intelligence
& Data Science**
Rs. 3,750/-

3
Patent

**Electronics &
Communication Engg.**
Rs. 5,000/-

2
Patent

**Automobile
Engineering**
Rs. 2,350/-

2
Patent

**Electrical & Electronics
Engineering**
Rs. 2,000/-

2
Patent

**Civil
Engineering**
Rs. 7,333/-

4
Patent

**Mechanical
Engineering**
Rs. 15,250/-

3
Patent

**Computer Science &
Engineering**
Rs. 7,434/-

4
Patent

VLSI
Rs. 250/-

1
Patent

**Information
Technology**
Rs. 27,500/-

9
Patent

**Artificial Intelligence
& Machine Learning**
Rs. 750/-

1
Patent

**Science &
Humanities**
Rs. 5,333/-

2
Patent

Cyber Security
Rs. 750/-

1
Patent

List of Q1 Journals

28 Publications

S.No	Journal Name	Title of the Article	DOI
1	Arabian Journal for Science and Engineering	Microstructure Characterization and Performance Evaluation on AA7075 Metal Matrix Composites Using RSM Technique	https://doi.org/10.1007/s13369-020-04752-8
2	Ceramics International	Microstructure and tribological properties of microwave-sintered Ti _{0.8} Ni-0.3Mo/TiB composites	https://doi.org/10.1016/j.ceramint.2022.11.085
3	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Ti ₃ C ₂ T _x MXene decorated with NiMnO ₃ / NiMn ₂ O ₄ nanoparticles for simultaneous photocatalytic degradation of mixed cationic and anionic dyes	https://doi.org/10.1016/j.colsurfa.2024.133888
4	Electrochimica Acta	Sm-MOF/rGO/PANI composite as an electrode material for supercapacitor applications	https://doi.org/10.1016/j.electacta.2023.143031
5	Electrochimica Acta	Hierarchical BiFeO ₃ /Cr ₂ CT _x MXene composite as a multifunctional catalyst for hydrogen evolution reaction and as an electrode material for energy storage devices	https://doi.org/10.1016/j.electacta.2023.142685
6	Environment, Development and Sustainability	Feasibility investigation of adsorptive removal of NH ₄ ⁺ and NO ₃ ⁻ species from clayey aquifer using special soils	https://doi.org/10.1007/s10668-020-00889-6
7	Environmental Science and Pollution Research	Nitrate transport in a fracture-skin-matrix system under non-isothermal conditions	https://doi.org/10.1007/s11356-022-23428-4
8	Heliyon	Addressing a decision problem through a bipolar Pythagorean fuzzy approach: A novel methodology applied to digital marketing	https://doi.org/10.1016/j.heliyon.2024.e23991
9	IEEE Journal of Radio Frequency Identification	Novel Light Weight Hardware Authentication Protocol for Resource Constrained IoT Based Devices	https://doi.org/10.1109/JRFID.2024.3359705
10	IEEE Transactions on Industrial Electronics	Implementation of 2n-2k-1 Modulo Adder Based RFID Mutual Authentication Protocol	https://doi.org/10.1109/TIE.2017.2711864

List of Q1 Journals

28 Publications

S.No	Journal Name	Title of the Article	DOI
11	Inorganic Chemistry Communications	Facile synthesis of cobalt-nickel oxide nanocomposites for trifunctional application towards antioxidant, anticancer and electrochemical performance	https://doi.org/10.1016/j.inoch.2024.112384
12	Inorganic Chemistry Communications	Kaolin supported synergistic effects in g-C ₃ N ₄ /V ₂ O ₅ nanocomposite systems for advanced energy storage applications	https://doi.org/10.1016/j.inoch.2024.112213
13	International Journal of Lightweight Materials and Manufacture	Effect of graphene on the tribological behavior of Ti6Al6V2Sn/Gn composite produced via microwave sintering	https://doi.org/10.1016/j.ijlmm.2023.10.001
14	Journal of Electroanalytical Chemistry	Facile microwave synthesis of cerium oxide@molybdenum disulphide@reduced graphene oxide ternary composites as high performance supercapacitor electrode	https://doi.org/10.1016/j.jelechem.2021.115401
15	Journal of Electroanalytical Chemistry	Design of zinc vanadate (Zn ₃ V ₂ O ₈)/nitrogen doped multiwall carbon nanotubes (N-MWCNT) towards supercapacitor electrode applications	https://doi.org/10.1016/j.jelechem.2020.114936
16	Journal of Energy Storage	Performance investigation on flat plate solar water collector using a hybrid nano-enhanced phase change material (PCM)	https://doi.org/10.1016/j.est.2024.111163
17	Journal of Energy Storage	CoFe ₂ O ₄ nanoparticles embedded 2D Cr ₂ CTx MXene: A new material for battery like hybrid supercapacitors and oxygen evolution reaction	https://doi.org/10.1016/j.est.2024.110775
18	Journal of The Electrochemical Society	Bi Functional Manganese-Pyridine 2,6 Dicarboxylic Acid Metal Organic Frameworks with Reduced Graphene Oxide as an Electroactive Material for Energy Storage and Water Splitting Applications	https://doi.org/10.1149/1945-7111/acbfe3
19	Materials and Manufacturing Processes	Experimental studies on automated DC pulsed MIG welding of Monel 400 sheets	https://doi.org/10.1080/10426914.2023.2238076
20	Multimedia Tools and Applications	Feature analysis and classification of maize crop diseases employing AlexNet-inception network	https://doi.org/10.1007/s11042-023-16467-7

List of Q1 Journals

28 Publications

S.No	Journal Name	Title of the Article	DOI
21	Renewable Energy	Thermal characteristics enhancement of Paraffin Wax Phase Change Material (PCM) for thermal storage applications	https://doi.org/10.1016/j.renene.2024.119986
22	RSC Advances	Microwave engineered NiZrO ₃ @GNP as efficient electrode material for energy storage applications	https://doi.org/10.1039/D4RA00621F
23	Scientific Reports	Levenberg–Marquardt deep neural watermarking for 3D mesh using nearest centroid salient point learning	https://doi.org/10.1038/s41598-024-57360-z
24	Scientific Reports	Investigating topic modeling techniques through evaluation of topics discovered in short texts data across diverse domains	https://doi.org/10.1038/s41598-024-61738-4
25	Stochastic Environmental Research and Risk Assessment	Nonparametric versus parametric (both unimodal and mixed) probability distribution in hourly wind speed modelling for some regions of Tamil Nadu state in India	https://doi.org/10.1007/s00477-023-02587-x
26	Surfaces and Interfaces	Nitrogen doped 2D graphene/Zn ₃ V ₂ O ₈ nanocomposite with enhanced supercapacitive features	https://doi.org/10.1016/j.surfin.2021.101129
27	Sustainability	Bioremediation of Hydrocarbon Pollutants: Recent Promising Sustainable Approaches, Scope, and Challenges	https://doi.org/10.3390/su15075847
28	Synthetic Metals	Design of copper (II) oxide nanoflakes decorated with molybdenum disulfide@reduced graphene oxide composite as an electrode for high performance supercapacitor	https://doi.org/10.1016/j.synthmet.2021.116843



Faculty Published Q1 Journals



Dr. S. Ramakrishnan
Dean - R&I



Dr. M.L. Valarmathi
Professor / CSE



Dr. N. Natarajan
Professor / CIVIL



Dr. M. Selvakumar
Professor / AUTO



Dr. B. Kishore
Associate Dean / ASP EEE



Dr. T. Ramkumar
ASP / MECH



Dr. R. Muthusami
ASP & HOD / MCA



Dr. B. Saravanakumar
ASP / S&H



Dr. K. Vishalakshi
AP (SS) / S&H



Dr. J. Johnson William
AP / S&H



Dr. S. PARVEEN
Woman Scientist

Total Number of Faculty - 11

List of SCIE Journals

31 Publications

S.No	Journal Name	Title of the Article	DOI
1	Acta Polytechnica Hungarica	Fusion of Finger Vein Images, at Score Level, for Personal Authentication	https://doi.org/10.12700/APH.21.6.2024.6.3
2	Biomass Conversion and Biorefinery	Studies on characteristics of natural cellulosic fibers collected from the agro-discarded Solanum trilobatum stem waste	https://doi.org/10.1007/s13399-024-05739-3
3	BioResources	Evaluating the Therapeutic Importance of Gold Nanoparticles Formed by the Biogenic Synthesis Route of Madhuca longifolia Reduction.	https://doi.org/10.15376/biores.19.1.823-841
4	Computer Methods in Biomechanics and Biomedical Engineering	Multimodal sentiment analysis leveraging the strength of deep neural networks enhanced by the XGBoost classifier	https://doi.org/10.1080/10255842.2024.2313066
5	Energy Technology	Optimizing Cost and Emission Reduction in Photovoltaic–Battery–Energy–Storage–System–Integrated Electric Vehicle Charging Stations: An Efficient Hybrid Approach	https://doi.org/10.1002/ente.202301131
6	IETE Journal of Research	A Novel Back-Propagation Neural Network for Intelligent Cyber-Physical Systems for Wireless Communications	https://doi.org/10.1080/03772063.2023.2173669
7	IETE Journal of Research	Mitigation Services on SDN for Distributed Denial of Service and Denial of Service Attacks Using Machine Learning Techniques	https://doi.org/10.1080/03772063.2022.2142163
8	IETE Journal of Research	Wideband and Highly Selective BandPass Filter Using Substrate Integrated Waveguide Technology for Ku-Band Applications	https://doi.org/10.1080/03772063.2023.2273312
9	Inorganica Chimica Acta	Biological evaluation of ruthenium (II) complexes appended curcumin derivatives: Synthesis, spectral characterization, anti-oxidant and anti-cancer studies	https://doi.org/10.1016/j.ica.2024.121997
10	International Journal of Clinical and Experimental Medicine	Detection of stress level based on sweat from Gen-Z students using ANN and GA algorithms	Int J Clin Exp Med 2023;16(11):260-274

List of SCIE Journals

31 Publications

S.No	Journal Name	Title of the Article	DOI
11	International Journal of Renewable Energy Research	Enhanced Predictive Model for Grid Stability Using Hybrid GBM-LSTM Approach	14591-48606-1-PB%20(1)
12	Iranian Journal of Science and Technology, Transactions of Civil Engineering	Electrochemical Assessment of Zinc-based Anti-corrosive Solutions for Reinforced concrete structures and strategies for a Reliable Monitoring Plan	https://doi.org/10.1007/s40996-023-01189-5
13	Journal of Circuits, Systems and Computers	ASIC Design of Low Power Sobel Edge Detection Filter: An Analog Approach	https://doi.org/10.1142/S0218126624502013
14	Journal of Coordination Chemistry	Synthesis, spectral characterization and biological evaluation of diosgenin coordinated ruthenium-arene complexes	https://doi.org/10.1080/00958972.2024.2320727
15	Journal of Electrical Engineering & Technology	An Optimized Bagging Learning with Ensemble Feature Selection Method for URL Phishing Detection	https://doi.org/10.1007/s42835-023-01680-z
16	Journal of Electronic Materials	Performance Analysis of AlN/GaN HEMTs on β -Ga ₂ O ₃ Through Exploration of Varied Back Barriers: An Investigative Study for Advanced RF Power Applications	https://doi.org/10.1007/s11664-024-11100-1
17	Journal of Materials Engineering and Performance	Microstructure, High-Temperature Wear, and Corrosion Behaviors of UNS R56320-xWC Composite Fabricated through Powder Metallurgy	https://doi.org/10.1007/s11665-024-09415-5
18	Journal of Process Mechanical Engineering	Investigation of mechanical and tribological behavior of Al-Ni-Co-MWCNT composites prepared by powder metallurgy technique	https://doi.org/10.1177/09544089241228942
19	Journal of Process Mechanical Engineering	Crack-free hard facing options for orifice plate used in oil refinery application	https://doi.org/10.1177/09544089241248143
20	Journal of the Indian Chemical Society	Green approaches for the synthesis of nickel oxide and cobalt oxide nanoparticles towards anti-oxidant and anti-cancer applications	https://doi.org/10.1016/j.jics.2024.101187
21	Materials Letters	Facile synthesis of bismuth niobium oxide (Bi ₃ NbO ₇) micro squares as a novel pseudocapacitive electrode material for supercapacitors	https://doi.org/10.1016/j.matlet.2024.136295

List of SCIE Journals

31 Publications

S.No	Journal Name	Title of the Article	DOI
22	Materials Technology	MWCNT attached mesoporous Ag ₃ O ₄ @NiO nanocomposite for hybrid supercapacitor applications	https://doi.org/10.1080/10667857.2022.2135474
23	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	Thermal and mechanical characterisation of friction stir welded dissimilar aluminium alloys	https://doi.org/10.1177/09544089241241447
24	Revue Roumaine Des Sciences Techniques	Fetal 3D-Echo Classification And Segmentation Using Color And Textural Features For TR Detection	https://doi.org/10.59277/RRST-EE.2024.1.19
25	Surface Review and Letters	Dry And Hot Corrosion Behaviour Of Al-Ni-Co-X Mwent Composites Processed Through Powder Metallurgy	https://doi.org/10.1142/S0218625X24501324
26	Surface Review and Letters	Experimental Investigation On The Microstructure And Mechanical Properties Of DSS2205 AND SS304L Dissimilar Weldments	https://doi.org/10.1142/S0218625X24500823
27	The Imaging Science Journal	A novel image recognition using Fuzzy C-Means and content-based fabric image retrieval	https://doi.org/10.1080/13682199.2023.2183316
28	Water Science and Technology	Modification of bentonite with black cotton soil and carboxyl methyl cellulose for the enhancement of hydraulic performance of geosynthetic clay liners	https://doi.org/10.2166/wst.2024.093
29	Wireless Personal Communications	Detection of Epileptic Seizure from EEG Signals Using Majority Rule Based Local Binary Pattern	https://doi.org/10.1007/s11277-024-10916-8
30	Wireless Personal Communications	Software Effort Estimation Using Stacked Ensemble Technique and Hybrid Principal Component Regression and Multivariate Adaptive Regression Splines	https://doi.org/10.1007/s11277-024-11010-9
31	Zeitschrift für Physikalische Chemie	New Pd (II) complexes containing hydrazinyl oxazolyl coumarin derivatives: synthesis, spectral characterization and anti-cancer studies	https://doi.org/10.1515/zpch-2023-0380



Faculty Published SCIE Journals



Dr. S. Ramakrishnan
DEAN - R&I



Dr. R. Sudhakar
ASSOCIATE DEAN - SR



Dr. Rama Thirumurugan
PROF. & HOD / MECH



Dr. K.N. Vijeyakumar
PROF. & HOD / VLSI



Dr. V.K. Sudha
PROF. & HOD / ECE



Dr. M. SELVAKUMAR
PROFESSOR / AUTO



Dr. N. Natarajan
PROFESSOR / CIVIL



Dr. B. Vinoth Kumar
PROFESSOR / EEE



Dr. J. Ramprasath
ASP & HOD / AI&DS



Dr. T. Ramkumar
ASP / MECH



Dr. A.P. Janani
ASP / IT



Dr.S.Bharathi
ASP / ECE



Dr. N. Senthil Madasamy
ASP / CSE



Dr. S. Nithya
ASP / AI&DS



Dr. B. Saravanakumar
ASP / S&H



Dr. S. Parveen
WOMAN SCIENTIST

Faculty Published SCIE Journals



Dr. K. Uma Maheswari
AP (SG) / EEE



Dr. R.S. Venkatesan
AP (SG) / ECE



Dr. G. Soundarya
AP (SG) / ECE



Dr. M. Jayaraj
AP (SG) / MECH



Mr. M. Padmanaban
AP (SS) / MECH



Dr. C. Moorthy
AP (SS) / ECE



Mr. T. Sathesh Kumar
AP (SS) / EEE



Mr. S. Syed Masoodhu
AP (SS) / CIVIL



Ms. A.G. Priya Varshini
AP (SS) / IT



Ms. P. Ponni
AP / IT



Ms. M. Bhagavathi Priya
AP / VLSI

Total Number of Faculty - 27

List of Scopus Journals

18 Publications

S.No	Journal Name	Title of the Article	DOI
1	Communications on Applied Nonlinear Analysis	Picture Fuzzy Set with Disaster Management & Decision Making by Measures	https://doi.org/10.52783/cana.v31.397
2	Community Practioner Journal	Influence Of Meme Based Promotion To Increase Purchase Behaviour Of Youths	https://doi.org/10.17605/OSF.IO/HRDKX
3	Educational Administration: Theory and Practice	An Experimental Investigation On Rubberised Silica Fume Concrete	https://doi.org/10.53555/kuey.v30i5.4820
4	Educational Administration: Theory and Practice	Experimental study of the Mechanical Properties of Jute fiber and Coconut Shell Powder reinforced Epoxy Composites	https://doi.org/10.53555/kuey.v30i5.2985
5	International Journal of Networked and Distributed Computing	Modified Playfair for Text File Encryption and Meticulous Decryption with Arbitrary Fillers by Septenary Quadrante Pattern	https://doi.org/10.1007/s44227-023-00019-4
6	Journal of Engineering Education Transformations	Enhancing Engineering Education Through Pedagogical Change:“Application to Abstract	https://doi.org/10.16920/jeet/2024/v37is2/24127
7	Journal of Environmental Nanotechnology	Combustion Analysis of Solid Biomass Derived from Turmeric and Onion, using Nanoclay as a Binding Material, for a Sustainable Environment	https://doi.org/10.13074/jent.2024.03.241496
8	Journal of Environmental Protection and Ecology	IOT-Based Energy Meter Monitoring System For Sustainable Development	https://scifulcom.net/en/article/pFRNSsT1nhIRm18dIPg
9	Journal of Harbin Engineering University	Graphical User Interface Based Heart Disease Analysis In Machine Learning Algorithms	https://doi.org/harbinengineering/journal/article/view/317
10	Journal of Language and Linguistic Studies	Feminizing The War Novel: A Study Of Half Of A Yellow Sun	http://www.jlls.or/

List of Scopus Journals

18 Publications

S.No	Journal Name	Title of the Article	DOI
11	Journal of Propulsion Technology	Index Based Searchable Encryption on Cloud Data Using Asymmetric Encryption Algorithm	https://doi.org/10.52783/tjpt.v45.i02.6231
12	Journal of Systems Engineering and Electronics	Automatic Question Paper Generation System using Shuffling Algorithm	https://doi.org/20.14118.jsee.2024.V34I4.1585
13	Journal of The Institution of Engineers (India): Series B	An Analysis of Ethics-Based Foundation and Regulatory Issues for Genomic Data Privacy	https://doi.org/10.1007/s40031-024-01058-3
14	Materials Today: Proceedings	Mechanical properties and fracture behaviour of varying filler rod composition in TIG welding of 5083 alloys	https://doi.org/10.1016/j.matpr.2024.03.001
15	SAE Technical Papers	Design and Thermal Analysis of Battery Thermal Management System for EV	https://doi.org/10.4271/2023-28-0087
16	SAE Technical Papers	Investigation on Mechanical Properties of ER70S-6 Copper-Coated Steel Wire Sample Produced by Wire Arc Additive Manufacturing (WAAM)	https://doi.org/10.4271/2023-01-5105
17	SAE Technical Papers	Effect of Stacking Sequence on Mechanical Properties of Bamboo/Bagasse Composite Fiber for Automobile Seat Cushions and Upholstery Application	https://doi.org/10.4271/2024-01-5013
18	Salud, Ciencia y Tecnologia – Serie de Conferencias	A Hybrid Rider Optimization with Deep Learning Driven Intrusion Detection Farmwork in Wireless Sensor Network	https://doi.org/10.56294/sctconf2024762



Faculty Published Scopus Journals



Dr. N. Natarajan
 Prof. / Civil



Dr. L. Meenachi
 ASP & HOD / IT



Dr. N. Natarajan
 Prof. / Civil



Dr. K. Hariharan
 ASP / Mech



Dr. N. Saravanakumar
 ASP / ECE



Dr. S.K. Ashok
 AP (SG) / Auto



Dr. J. Bhavithra
 AP (SG) / CSE



Mr. R. Vishnu Ramesh Kumar, AP (SS) / Auto



Mr. Sreejith S.Nair
 AP (SS) / Mech



Mr. M. Gideon Ganesh
 AP (SS) / Mech



Dr. K. Srinivasan
 AP (SS) / Civil



Mr. A. Manikandan
 AP (SS) / Civil



Ms. R. Sherine Jenny
 AP (SS) / ECE



Ms. N. Sugirtham
 AP (SS) / ECE



Ms. S.C. Lavanya
 AP (SS) / CSE



Ms. B. Suganya
 AP (SS) / CSE



Faculty Published Scopus Journals



Mr. J. Dinesh Kumar
AP / Mech



Mr. M. Sudharsanan
AP / Civil



Ms. S. Suthaviji
AP / Civil



Ms. A. Selvanayakam
AP / EEE



Mr. D. Manojkumar
AP / CSE



Ms. A. Jayalakshmi
AP / CSE



Ms. P. Rajeswari
AP / IT



Dr. S. Raja Rajeswari
AP / MCA



Ms. B. Yesodhai
AP / MCA



Ms. R. Vidhya
AP / S&H



Ms. B. Maheswari
AP / S&H

Total Number of Faculty - 27



List of Granted Patents

S. No	Title of the Patent	Patent No.
1	Machine Learning Based Device Cyber Security Data Analytic Device	410029-001
2	Solar Power EV Charging System	386250-001
3	Virtual Friend For Elderly/Differently Abled	201841023877
4	IOT And Cloud Based Camera For Healthcare Surveillance	407522-001
5	Foldable Keyboard	398075-001
6	Portable Solar And Electric Powered Charger For Electronic Device	409869-001
7	Device To Perform Analysis Of Polymer Concrete	408916-001
8	Water Absorption Test Apparatus	397431-001
9	Multi-purpose Detangling Device With Liquid Dispenser	202241023296
10	Flowability Testing Apparatus For Controlled Low Strength Materials	404176-001
11	Contactless Thermal Scanning System For Security	409666-001
12	IOT Based Photovoltaic Cell Testing Device	407664-001
13	Portable Image And Text Recognizing Device	400790-001
14	Electric Paper Punching Machine	408298-001
15	Machine To Detect Textile Fabric Defect	406562-001
16	Location Detector	411350-001
17	Handheld Weed Plucker	202041006012
18	Flour Extruder	201841040120
19	Pugh Matrix Based Decision Making For The Bore Well Rescue Method And System Thereof	202141020600

Faculty Contributing in IPR



DR. R. SUDHAHAR

ASSOCIATE DEAN



DR. RAMA THIRUMURUGAN

PROF. & HOD / MECH



DR. G. ANUPRIYA

PROF. & HOD / CSE



DR. M.L. VALARMATHI

PROFESSOR / CSE



DR. N. NATARAJAN

PROFESSOR / CIVIL



DR. M. SELVAKUMAR

PROFESSOR / AUTO



DR. L. MEENACHI

ASP & HOD / IT



DR. T. RAMKUMAR

ASSO. PROF. / MECH



DR. K. HARIHARAN

ASSO. PROF. / MECH



DR. M. MARIAPPAN

ASSO. PROF. / CIVIL



DR. A. NOBAL MARY JULIET

ASSO. PROF. / CSE



DR. N. SUBA RANI

ASSO. PROF. / CSE



DR. PONNI @ SATHIYA

ASSO. PROF. / IT



DR. S.K. ASHOK

AP (SG) / AUTO



DR. S. MADHUSUDHANAN

AP (SG) / MECH



DR. J. BHAVITHRA

AP (SG) / CSE

Faculty Contributing in IPR



DR. L. SENTHIL KUMAR

AP (SG) / S&H



MR. M. PADMANABAN

AP (SS) / MECH



MR. SREEJITH S. NAIR

AP (SS) / MECH



MR. P.S. SATHISH KUMAR

AP (SS) / CIVIL



MR. P.E. KAMALAKANNAN

AP (SS) / EEE



MR. T. SATHESH KUMAR

AP (SS) / EEE



MS. N. SUMATHI

AP (SS) / CSE



MS. C. DEVIPRIYA

AP (SS) / CSE



MS. C. JAYASHREE

AP (SS) / CSE



DR. J. THIMMAIRAJA

AP (SS) / IT



MR. R. PRABHU

AP (SS) / IT



MR. M. ARUN

AP (SS) / AI&DS



MR. K. SASIKUMAR

AP / MECH



MR. M. SUDHARSANAN

AP / CIVIL



MS. S. SUTHAVIJI

AP / CIVIL



MS. S. ABIRAMASUNDARI

AP / ECE

Faculty Contributing in IPR



MS. M. GOMATHI

AP / CSE



MS. G. SARANYA

AP / IT



MS. S.R. INDUREKAA

AP / AI&DS



MS. D.C. KIRUTHIKKA

AP / AI&DS



MS. M. RAJALAKSHMI

AP / AI&DS



MR. A. VISHNUPRASATH

AP / AI&DS



MR. T. VIJAYAKUMAR

AP / AIML



MRS. V. SHANMUGAVENI

AP / CSE(CYS)



MS. PRASANNA BLESSY

AP / CSE(CYS)



MS. M. JOTHEESWARI

AP / CSE(CYS)



MS. M. BHAGAVATHI PRIYA

AP / VLSI



MS. B. MAHESWARI

AP / S&H



MS. N. PUNITHA

AP / S&H



MS. S. CHITRA

AP / S&H

Research Awards & Recognition



Ramakrishnan, S.

Dr.Mahalingam College of Engineering & Technology, IND

Year 2023 Rank: 196506

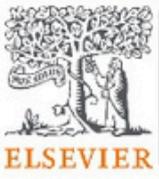
Main Field: Information & Communication Technologies

H-index: 9, **Hm-index:** 5.83

Sub Field: Artificial Intelligence & Image Processing

Rank in the SubField: 7186 out of 299004 authors

Top 2% Listed Year(s): 2024






<https://TopResearchersList.com/>



Saravanakumar, B.

Dr.Mahalingam College of Engineering & Technology, IND

Year 2024 Rank: 199315

Main Field: Enabling & Strategic Technologies

H-index: 12, **Hm-index:** 5.28

Sub Field: Materials

Rank in the SubField: 4576 out of 299561 authors

Top 2% Listed Year(s): 2024



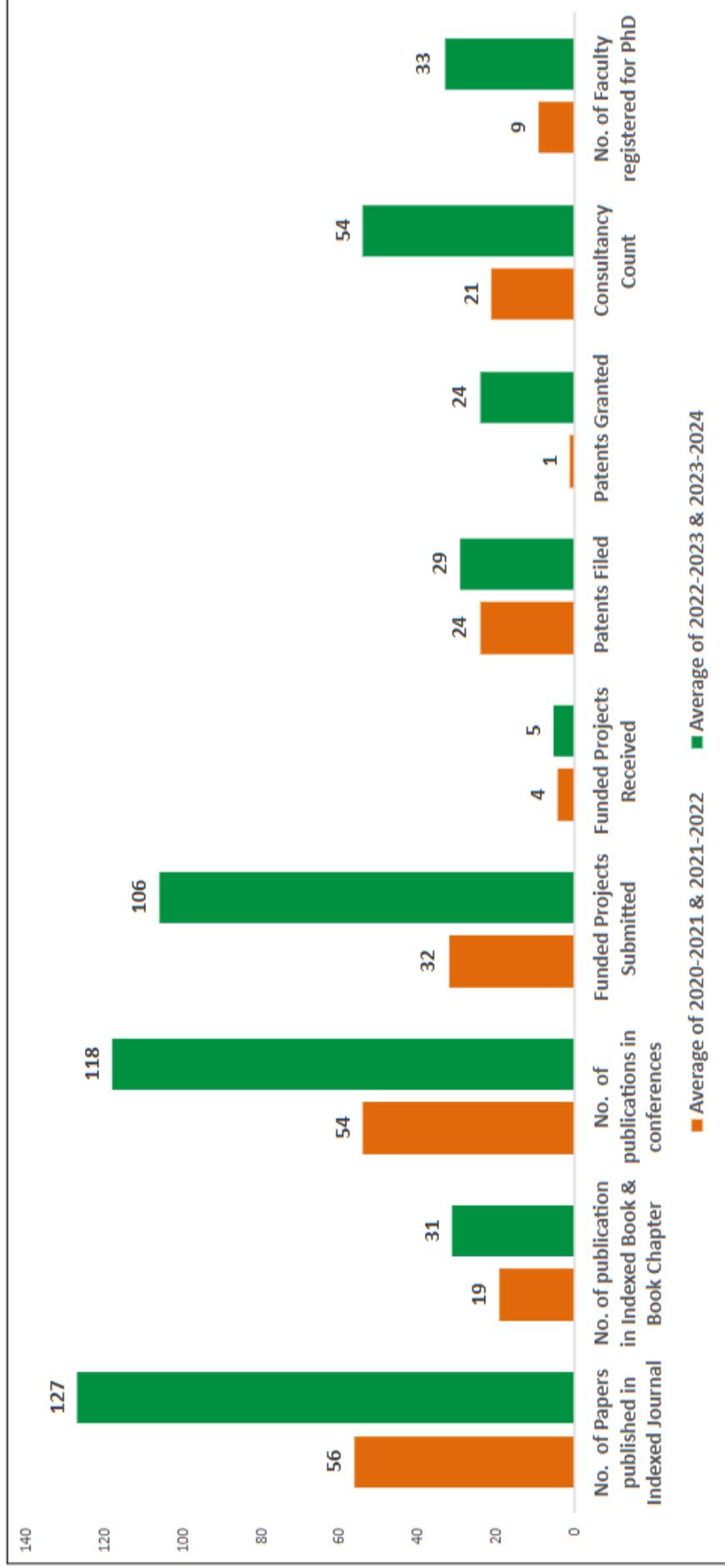



<https://TopResearchersList.com/>

Continuous Improvement over previous 2 Academic Years

S. No.	Details of Research Outcomes	2020-2021	2021-2022	Previous 2 AY Avg. (A)	2022-2023	2023-2024	Last 2 AY Avg. (B)	Difference (B)-(A)
1	No. of Papers published in Indexed Journal	58	53	56	98	156	127	+71
2	No. of publication in Indexed Book & Book Chapter	15	23	19	23	39	31	+12
3	No. of publications in conferences	64	43	54	111	124	118	+64
4	Funded Projects Submitted	27	37	32	46	166	106	+74
	Funded Projects Received	4	3	4	6	3	5	+1
5	Patents Filed	17	30	24	18	39	29	+5
	Patents Granted	-	1	1	10	38	24	+23
6	Consultancy Count	18	24	21	39	68	54	+33
7	No. of Faculty registered for Ph.D.	6	11	9	11	54	33	+24

Continuous Improvement over last 2 Academic Years



Research Initiatives

Office of Dean - Research & Innovation Research Initiatives

RESEARCH & COLLABORATION GROUPS

1. Establishing Student Research Council (SRC)
2. Establishing Research Interest Groups (RIG)
3. Establishing Tech Express Circle (TEC)
4. Managing Institution's Innovation Council (IIC)

FACULTY & SCHOLAR DEVELOPMENT

5. Expanding Research Scholar Enrolment
6. Launching Research Faculty Scheme
7. Conducting Knowledge Sharing Sessions (KSS) & Organizing Research Seminars
8. Facilitating Student Participation in Seminars & Workshops
9. Facilitating Faculty for Online NPTEL-Swayam Certifications
10. Facilitating Faculty to attend Faculty Development Programmes
11. Facilitating faculty to become authorized expert by Govt. agencies to carry out Consultancy Works
12. Rewarding Faculty for Research Contributions
13. Purchasing R&I Tools for Plagiarism & Grammar Checking
14. Facilitating Subscriptions for Printed & E-Journals

RESEARCH REVIEW & MONITORING

15. Periodic Review of Departments' R&I Activities
16. Periodic Review of Ph.D. Scholars' Progress
17. Periodic Review of Ongoing External & In-house Funded Projects and Consultancy Works
18. Convening Meetings, Controlling & Monitoring NIRF Data Analysis

RESEARCH INCENTIVES & SUPPORT

19. Coordinating Cash Incentive Distribution to faculty members for Research Contributions
20. Developing In-house talent pool, providing Technical & Financial support for IPR Management
21. Identifying & Sanctioning In-house R&D Projects for Faculty members and Students
22. Facilitating Revenue Sharing for Consultancy Works

RESEARCH COMMUNICATION & PUBLICATION

23. Publishing Bi-monthly MCET Research Dashboard
24. Updating Research information periodically in institution webpage
25. Publishing R&I Newsletter
26. Circulating Call for Proposals for external grants
27. Publishing Research Process Handbooks
28. Developing process flows, templates and forms for various R&I activities
29. Creating and Updating IRINS Profile
30. Preparing Annual reports for RIG, SRC, KSS and Annual report of R&I activities

Creating opportunities, driving your research growth with unwavering support

June 2024

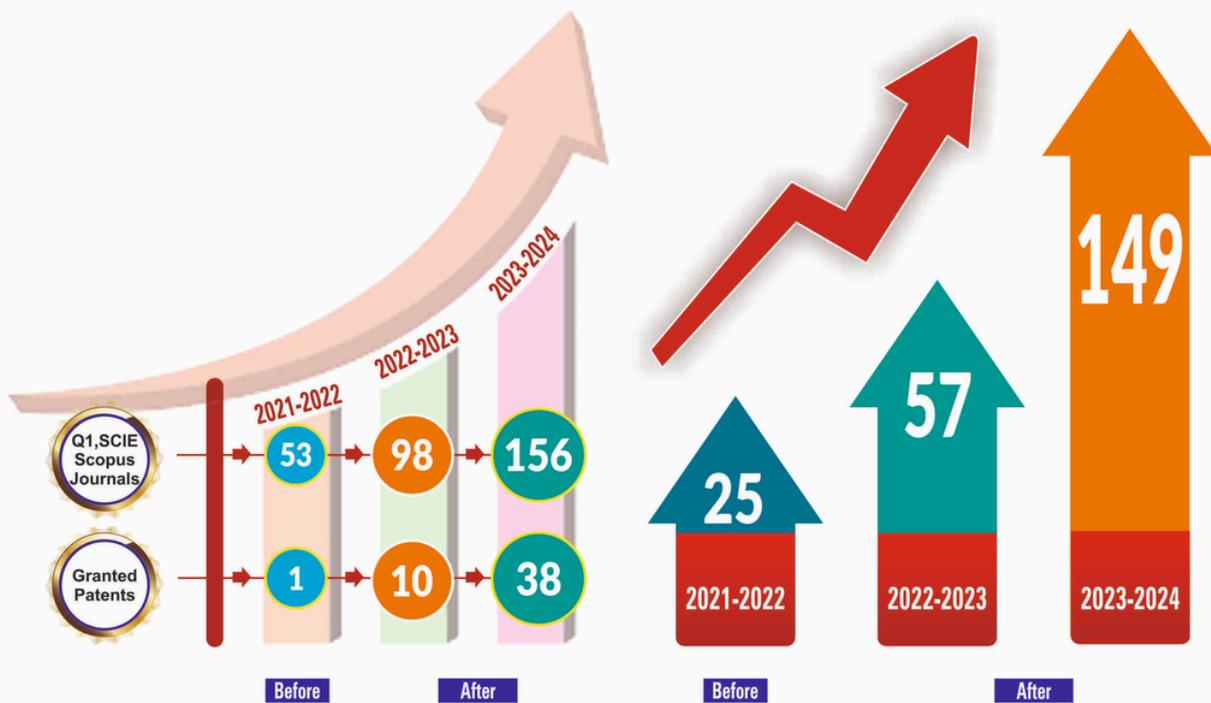
**Office of Dean
Research & Innovation**

Impacts of RI Initiatives

(Before: 2021-2022 | After: 2022-2023 & 2023-2024)

Research Outcomes

**Number of Faculty Members
Contributed**



For 5 Years

For 1 Year

For 6 Months

Incentive Distributed from
Jun 17- Dec 22 on 9.6.2023

Rs.18,27,500/-

Incentive Distributed from
Jan 23 - Dec 23 on 16.3.2024

Rs.10,56,263/-

Incentive Distributed from
Jan 24 - May 24 on 4.1.2025

Rs.13,27,150/-

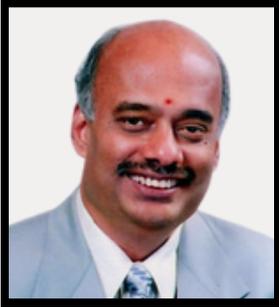
Impacts of Research Initiatives

Period	Research Publications (No. of papers)			IPR (Count)	Total
	Q1	SCIE	Scopus		
5 years (Jun 2017- Dec 2022)	53	135	18	3	209
1 Year (Jan 2023- Dec 2023)	17	43	23	17	100
6 Months (Jan 2024 – May 2024)	26	31	18	19	94

Period	Research Publications (No. of papers)			IPR (Count)	Total	Impact
	Q1	SCIE	Scopus			
Bi-Annual Average of five years (Jun 2017- Dec 2022)	5	14	2	0	21	X
Bi-Annual Average of five years (Jan 2023- Dec 2023)	9	22	12	9	52	2.5 X
Bi-Annual Average of five years (Jan 2024 – May 2024)	26	31	18	19	94	4.5 X

Acknowledgements

Management Team



Dr. M. Manickam
Chairman



Shri. M. Hari Hara Sudhan
Correspondent



Dr. C. Ramaswamy
Secretary



Dr. Subramaniam
CHRO



Dr. P. Govindasamy
Principal



Dr. A. Senthil Kumar
Dean A&A



Dr. S. Ramakrishnan
Dean R&I



Dr. Calvin Sophistus King
Dean IR &TD

Head of The Departments



Dr. Rama Thirumurugan
HoD/Mech



Dr. D. Shanmugam
HoD/Auto



Dr. K. Murali
HoD/Civil



Dr. M. Kaliamoorthy
HoD/EEE



Dr. V. Lakshmi Narayanan
HoD/EIE



Dr. R. Sudhakar
HoD/ECE



Dr. G. Anupriya
HoD/CSE



Dr. L. Meenachi
HoD/IT



Dr. Suba Rani
HoD/AIDS



Dr. K. N. Vijeyakumar
HoD/AIIML&CYS

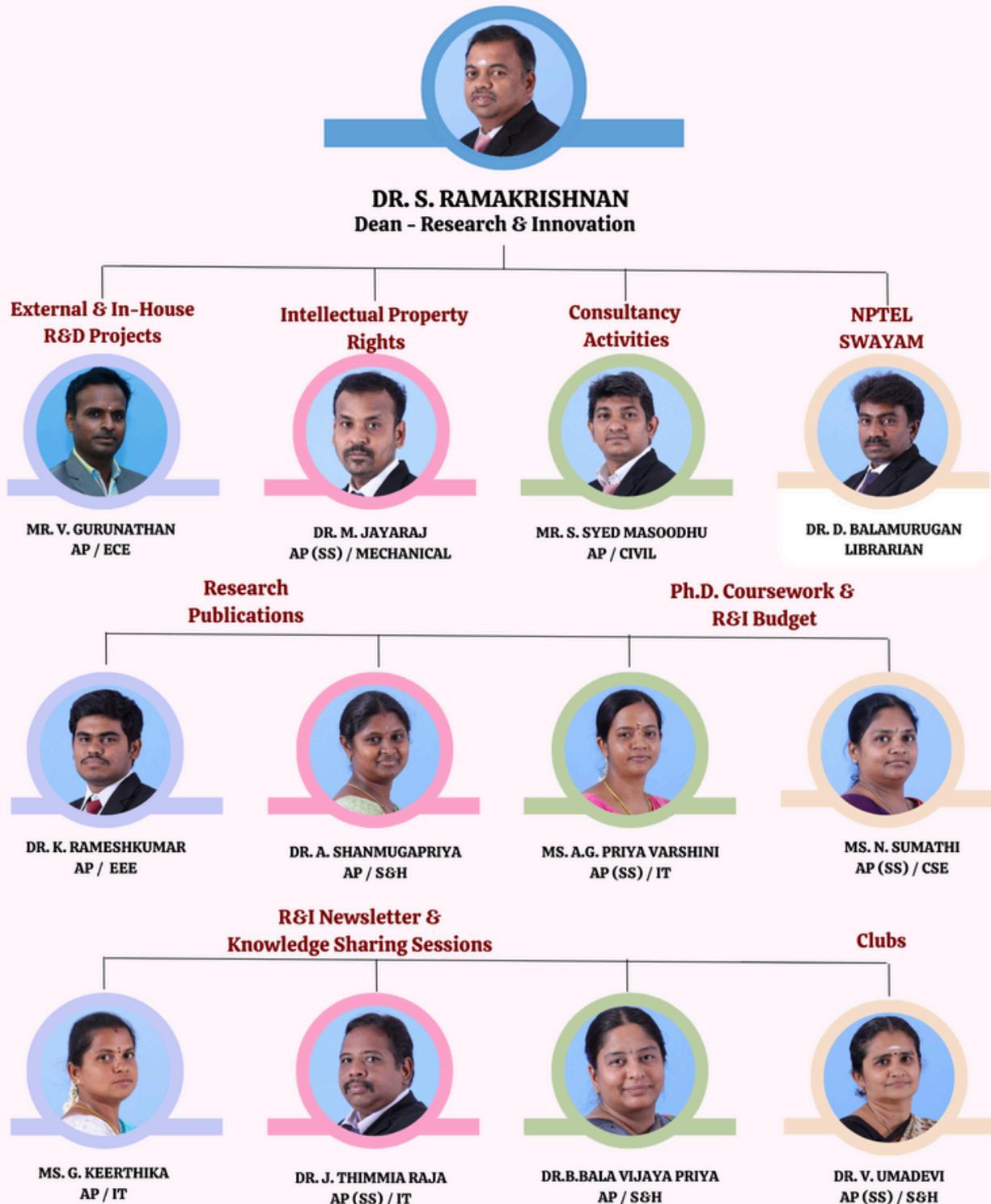


Dr. R. Muthusami
HoD/MCA



Dr. L. Chitra
HoD/S&H

Office of Dean - Research & Innovation Team Members

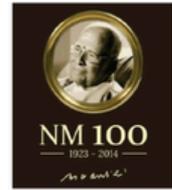


Coordinating Towards Progress...





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Pollachi, Coimbatore



RESEARCH CONTINGENCY GRANT

**Our Management is pleased to extend
financial support**

Rs. 20,000 per Faculty ✨
per Semester

Upto 3 Lakh Per Department

**Opportunity to avail
Enhanced Incentive**



**For SEM, TEM, XRD,
FTIR, TGA Analysis etc.,**



**For Antenna
Fabrication & Testing**



**For Cloud-based
Infrastructure Services**



**Purchase of Research
Related Consumables**

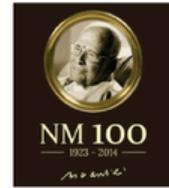


SCAN HERE FOR MORE DETAILS

OFFICE OF DEAN RESEARCH & INNOVATION



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OFFICE OF DEAN RESEARCH & INNOVATION

ENHANCED RESEARCH INCENTIVE

Journal Publications

Type of Journal	Enhanced Incentive	Author Position (Upto)
Q1	Rs. 15,000	6
SCIE	Rs. 10,000	5
Scopus	Rs. 6,000	4

Intellectual Property Rights

Type of IPR	Enhanced Incentive
Granted Patent	Rs. 15,000
Granted Design	Rs. 1,000
Copyright	Rs. 1,000

Funded Projects

Rs. 20,000 to
Rs. 2,00,000

Consultancy Projects

Revenue Sharing
60:40 Ratio & 40:60 Ratio

NPTEL & NITTTR

100 %
Reimbursement

Office Order No: 257

SCAN HERE FOR MORE DETAILS



Grateful to the Management for Fueling Research Excellence with Enhanced Research Incentives!

RESEARCH DATA (2019-2024)

CONSULTANCY

177

Revenue Generated
1.40 Crore

PUBLICATIONS

916

Q1 : 94 Conference : 397
SCIE : 216 Books : 116
Scopus : 93

PATENTS

162

Published : 118
Granted : 39
Copyright : 5

EXTERNAL PROJECTS

33

Total Amount Sanctioned :
Rs. 3,01,25,892/-

PhD Scholars
142

Supervisors
45

Citations
16357

h-index
54

RESEARCH INCENTIVES

Total Amount : Rs. 51,12,386/-

OFFICE OF DEAN RESEARCH & INNOVATION

**Office of Dean Research & Innovation,
Dr. Mahalingam College of Engineering &
Technology,
Pollachi - 642 003.**

Web: <https://drmcet.ac.in/academic-research>

Email: deanri@drmcet.ac.in

