



An Autonomous Institution Since 2011 (A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)



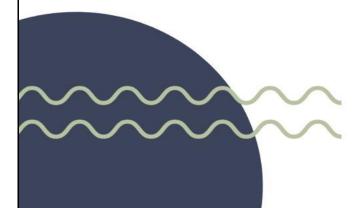
The Highest Grade

Best Workplaces Asia 2024

1stJanuary 2023 to 31stDecember 2023

2nd Research Incentive Awardees & Achievements

OFFICE OF DEAN - RESEARCH & INNOVATION



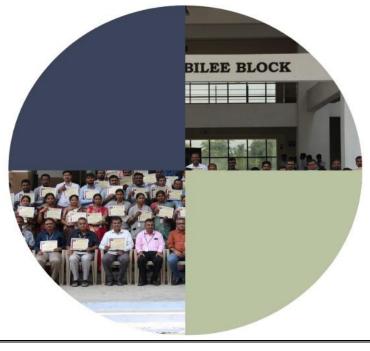


Table of Contents

S.No.	Research Details	Page Number
1	Research Statistics of MCET	3
2	Initiatives taken by Office of Dean Research & Innovation	6
3	Research Incentive Report	16
	Department wise R&I Incentive Details	
	Automobile Engineering	29
	Mechanical Engineering	31
	Civil Engineering	35
	Information Technology	39
4	Computer Science and Engineering	44
4	Artificial Intelligence & Data Science	48
	Master of Computer Applications	51
	Electrical and Electronics Engineering	54
	Electronics and Communication Engineering	59
	CSE(Cyber Security)	63
	Science & Humanities	66
5	Incentive Amount for Consultancy	70
6	Photos taken during the ceremony	73

Research Statistics of MCET

Research Statistics: Comparison

Research Activities	2017-2022	Annual Average (2017-2022)	Jan 2023- Dec 2023
	Research Pub	lications	
Q1	53	11	17
SCIE	135	27	43
SCOPUS	18	5	23
H-Index	45	-	51
Citations	11936	-	14769
No. of PhD Scholars Registered	40	8	59
No. of Scholars doing PhD	86	-	144

Research Statistics: Comparison

Research Activities	2017-2022	Annual Average (2017-2022)	Jan 2023- Dec 2023			
	Funded	Projects				
External Funded 59 12 Projects		12	Submitted:140 Ongoing:4			
	Pat	tent				
Patent Granted	4	1	19			
	Consultancy					
Consultancy Revenue Shared	Rs.7,18,005 /- (179)	Rs.1,43,601/- (36)	Rs.2,41,213/- (15)			

Research Incentive: Comparison

Research Activities	2017-2022 (in Rs.)	Annual Average (2017-2022) (in Rs.)	Jan 2023- Dec 2023 (in Rs.)	% of Increase
Research Publications	11,26,500/-	2,25,300/-	4,11,500/-	83 %
External Funded Projects	2,76,000/-	55,200/-	1,63,750/-	196 %
Patent	19,000/-	3,800/-	87,000/-	219 %
Revenue Shared	7,18,005 /-	1,43,601/-	2,41,213/-	68 %

Initiatives taken by Office of Dean Research & Innovation



Initiatives taken by Office of Dean Research & Innovation

- 1. Formation of Research Interest Group
- 2. Formulation of Student Research Council
- 3. Increasing number of Research Scholars
- 4. Coordinating Incentive distribution to faculty for Research Contribution
- 5. Conducting Knowledge Sharing Sessions & Organizing Research Seminars
- 6. Identifying potential IPR for financial support
- 7. Periodic review of Department R&I activities &Ph.D.

Scholar Progress

7

- 8. Periodic review of Ongoing External Funded Projects and In-house R&D Projects
- 9. Periodic review of Ongoing Consultancy Works
- 10. Facilitating faculty for attending Online Certification Courses
- 11. Publication of the R&I Newsletter
- 12. Publication of Research Process Handbooks

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

Initiatives taken by Office of Dean Research & Innovation (Continued.,)

13.Convening meetings, Controlling and Monitoring NIRF data

analysis

14. Periodic Circulation of Calls for Proposals for funded

Project

8

- 15.Facilitating faculty for attending Faculty Development Programs and workshops
- 16.Facilitating Students' participation in Seminars and Workshops
- **17.Identifying and Sanctioning In-house R&D Projects for Faculty**

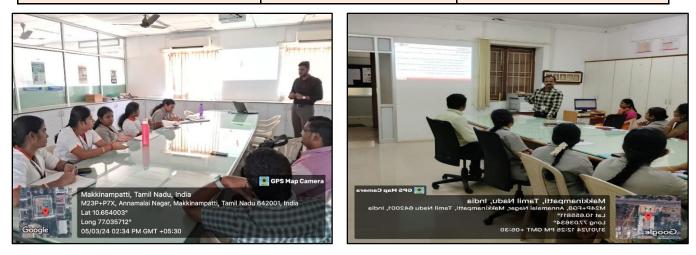
members & Students

- **18.Purchasing R&I Tools for checking Plagiarism and Grammar**
- **19.Facilitating Subscriptions for Printed and E-Journal**
- 20.Managing the activities of the Institution's Innovation Council(IIC)
- **21.Facilitating the hosting of International Conferences**
- **22.Conduction of Open House Exhibition**

No. of **Domains** 12

Formation of Research Interest Group (Aug 2023 - Dec 2023)

RIG Activities	No. of Events Conducted	No. of Faculty members acted as resource person
Seminars	48	
Hands-on Session	3	51
Total	51	





2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

Student Research Council (Sep 2023- Feb 2024)				
Activities	Date	Details		
Technofete'23	06.11.2023 to 07 .11.2023	 No. of students participated:1979 No . Events:21 		
Smartathon'24	08.02.2024 to 16.02.2024	 No. of students participated:1700 No .of rounds:3 		
Anveshana'24	05.03.2024 & 06.03.2024	 No .of Colleges partcipated:40 No. of stalls:36 No. of students visited:3107 		

Knowledge Sharing Sessions (Dec 2022-Feb 2024)

No. of KSS

Sessions 22

KSS activities related to	No. of Resource Persons Internal External		
Research Publication	8	5	
Funded Project	1	3	
Patent	1	4	



IPR Initiative (Nov 2022-Dec 2023)

Patentable Invention Identification Phase-1

12

Patentable Invention Identification Phase-2

Remarks/ Recommendation	Patent Count	Remarks/ Recommendation	Patent Count
No. of Proposal Submitted	33	No. of Proposal Submitted Utility Patent	27 09
Proposal Sanctioned of	ctioned of 06 Design Pa		01
Utility Patent		Copy rights	05



Research Review Meetings

	Department Review Meetings 11 departments * 4 reviews= 44				ly Ph.D. Scholars	Review Meeting
S.No.	Activities	Date(s)	S.No.		Activities	Date(s)
1.	Cycle 1 Dates	21.07.2023 to 28.07.2023	1.	R	eview Meeting-I	10.08.2023 to 14.08.2023
2.	Cycle 2 Dates	19.09.2023 to 22.09.2023	2.	Re	eview Meeting-II	22.01.2024 to 31.01.2024
		22.09.2023 22.11.2023	Re	vie	w Meeting for Ong	going Projects
3.	Cycle 3 Dates	to 25.11.2023	S.No).	Activities	Date(s)
		05.02.2024	1.		In-House R&D	28.11.2023
4.	Cycle 4 Dates	to 12.02.2024	2.		Extramural Projects	29.11.2023







Faculty for attending Online Certification Courses



S.No.	Course Name	No. of Faculty Members Completed (Jan 2023- Dec 2023)	BUTHERSON CONTRACTOR OF A
1.	Innovation by Design	3	R. SHERINE JENNY Topper of 1% Introduction on Intelectual Property to Engineers and Technologies Elite • Silver
2.	Design, Technology and Innovation	9	A.ShaFEER Topper of 1% Deep Learning Elite+oold
3.	Effective Writing	10	
4.	Introduction to Research/ Research Methodology	16	N. NATÄRAJAN Topper of 1% Technical English For Englineers Elite+Gold K. S. SUDHISHNA Topper of 5% Desp Learning K. S. SUDHISHNA Topper of 2% K. S. SUDHISHNA Topper of 2% K. S. SUDHISHNA Topper of 2% Elite+Silver Elite+Silver Soft Skills Elite+Silver F. ButVANESWARI Topper of 5% Soft Skills Elite+Silver
5.	Patent Search for Engineers and Lawyers	5	Elite NPTEL Online Certification Image: Certification Funded by the Mot. Govt. of ledal Image: Certification Finance of the certification Image: Certification Finance of the certification Image: Certification Image: Certification Image: Certification
6.	Introduction on Intellectual Property to Engineers and Technologists	1	Roadmap for Patent Creation with a consolidation score (find) 6 % Online Assignments (road 20.0025) Proctored Exam (road 20.0025) 54/75 Total number of conditiates certified in this course (road 20.0025) Find Patent Creation Margin 1000000000000000000000000000000000000
7.	Roadmap for Patent Creation	6	
8.	Patent Drafting for Beginners	10	
	Total	60	

14

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

RI Newsletter & Handbooks

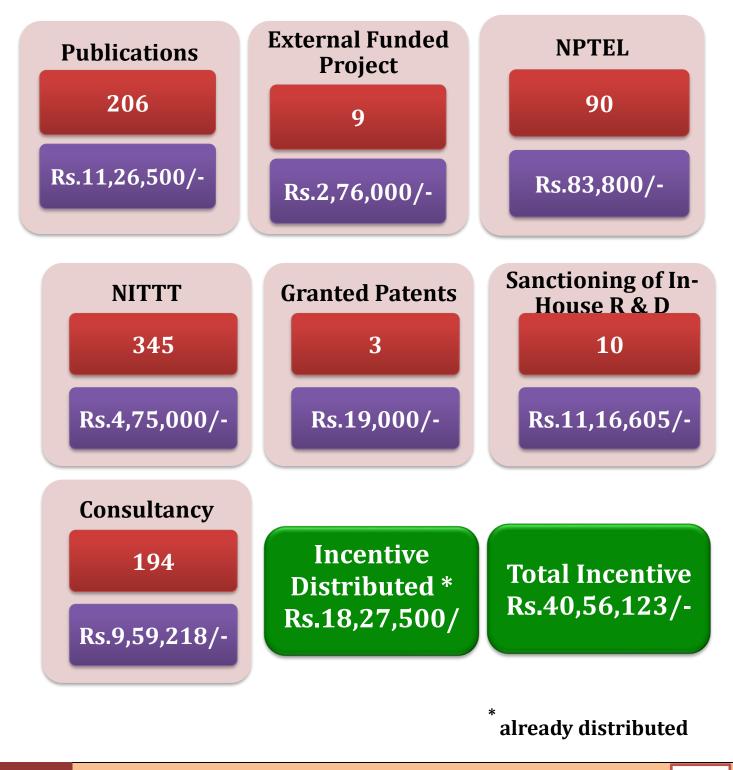


Research Incentive Report

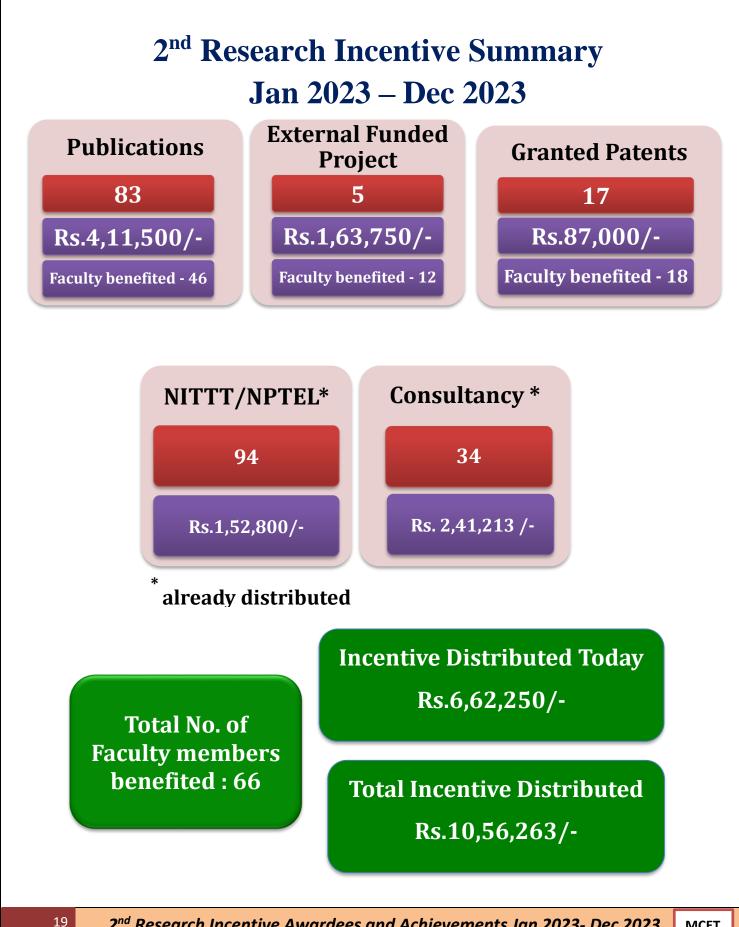
Incentive Norms

PAPER	PUBLICATION	PATEN	NT	
		Granted patent (inventors in MCET)	Rs.7000/-	
Q1	Rs.7500/-	Granted patent		
SCIE	Rs.5000 /-	(inventors including other institutions)	Rs.5000/-	
Scopus	Rs.3000 /-			
		CONSULT	ANCY	
RESEAF	RCH FUNDING		60:40 ratio	
Range	Incentive Amount (in Rs.)	Institution resources are utilized	60% to institution 40% as	
Above 30 Lakh	1.0 Lakh		incentive	
>25-30 Lakh	90,000	Institution	40:60 ratio 40% to	
>20-25 Lakh	80,000	resources are not	institution	
>15-20 Lakh	70,000	utilized	60% as incentive	
>10-15 Lakh	60,000	IN HOUSE	R&D	
>5-10 Lakh	40,000			
>3-5 Lakh	30,000	Minimum seed mone	v of Rs.1,00.000/-	
2-3 Lakh	20,000	Infinitum seeu money of K5.1,00,00		

1st Research Incentive Summary June 2017 – Dec 2022



18 2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET



2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

S.No.	Dept	No. of Faculty Benefited	Amount (in Rs.)
1	Auto	4	44,166/-
2	Civil	3	67,000/-
3	Mech. & Mechatronics	7	80,834/-
4	CSE	5	36,000/-
5	IT	5	16,500/-
6	AI&DS	1	5,000/-
7	МСА	1	10,500/-
8	AIML &CSE(CYS)	1	2,500/-
9	ECE	6	33,500/-
10	EEE & EIE	8	76,000/-
11	S&H	5	39,500/-
	Total	46	4,11,500 /-

Research Paper Publications (Jan 2023 – Dec 2023)

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

Research Pap	er Pu	blicati	ons (J	Jan 202	3 – Dec 20)23)
Description Springer	Springer Elsevier		1	J	WILEY	7
Faculty B 4		d		Incenti .4,11,5		
S.No.		I	Ιησενίησ		No. of Publicatio	
1			Q1		17	
2			SCIE		43	
3			Scopu	IS	23	
				Total	83	
S.No.	Journal Publisher		No. o	f Publications	5	
1.	Elsevier				9	
2.	S	pringer			21	
3.		Wiley			7	
4.	Taylor & Francis		ncis		9	
5.	IoP Press		6			
6.	Hindawi		3			
7.	Others			28		
			Total		83	

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

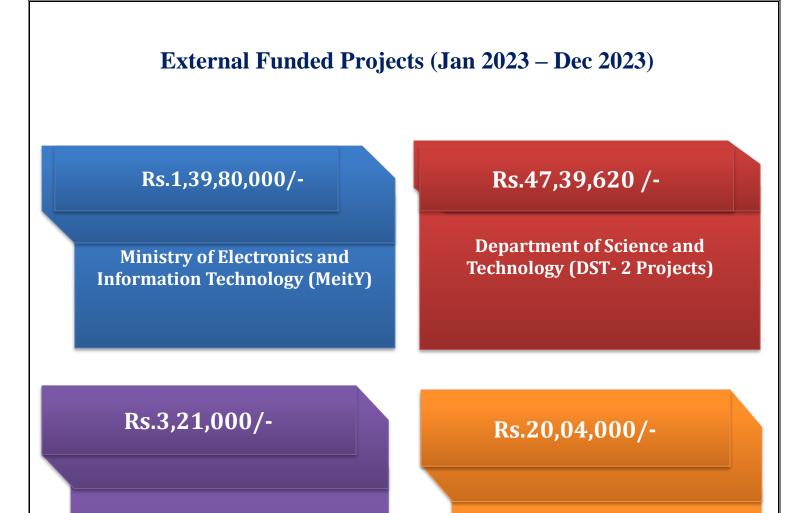
MCET

External Funded Projects (Jan 2023 – Dec 2023)

S.No.	Dept	No. of Faculty	Amount (in Rs.)	
1	Auto	2	14,250/-	
2	ECE	5	59,500/-	Faculty Benefited
3	AIML&CYS	1	35,000/-	12
4	EEE	2	10,000/-	Incentive
5	S&H	2	45,000/-	Rs. 1,63,750/-
	Total	12	1,63,750/-	

Total granted amount: Rs.2,10,44,620/-Completed Projects: 2 Ongoing Projects: 3 Total Projects: 5





Entrepreneurship Development and Innovation Institute (EDII-TN)

23

Indian Space Research Organisation (ISRO)

Granted Patents Jan 2023- Dec 2023

S.No.	Dept	No. of Faculty Benefited	Amount (in Rs.)	Faculty Benefited 18
1	Civil	3	5,000/-	No. of Granted patents:17
2	AIDS	1	2500/-	
3	CSE	2	6,400/-	Incentive Rs.87,000
4	S&H	1	5,000/-	
5	IT	7	36,700/-	INTELLECTUAL PROPERTY INDIA PATENTSIDESIGNS ITRADE MARKS GEOGRAPHICAL INDICATIONS
6	EEE	3	30,000/-	
7	AUTO	1	1,400/-	
	Total	18	87,000/-	

Consultancy Details Jan 2023- Dec 2023

S.No.	Dept.	No. of Consultancy Projects	Revenue Shared (in Rs.)
1	Civil	22	50,080/-
2	EEE	12	1,91,133/-
	Total	34	2,41,213/-

<text><text><text><image><image>

AICTE-NITTR/NPTEL (Jan 2023 – Dec 2023)

NITTT Faculty Benefited :27			
	NITT	Г	
S.No.	Dept.	Amount (in Rs.)	
1.	Auto	8,000/-	
2.	Civil	4,000/-	
3.	Mech	5,000/-	
4.	CSE	7,000/-	
5.	IT	16,000/-	
6.	AI&DS	2,000/-	
7.	ECE	13,000/-	
8.	EEE	1,000/-	
9.	AI&ML	3,000/-	
10.	S&H	10,000/-	
	Total 69,000 /-		

NPTEL Faculty Benefited:77				
	NPTE	EL		
S.No.	Dept.	Amount (in Rs.)		
1.	Auto	5,000/-		
2.	Civil	9,000/-		
3.	Mech	12,500/-		
4.	CSE	7,500/-		
5.	IT	14,500/-		
6.	AI&DS	4,500/-		
7.	MCA	1,000/-		
8.	ECE	11,200/-		
9.	EEE	7,100/-		
10.	EIE	1,000/-		
11.	AI&ML	1,000/-		
12.	S&H	9,500/-		
	Total 83,800/-			







2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

Department wise R&I Incentive (Jan 2023- Dec 2023)

S.No.	Name of the Department	No. of Faculty in Department	No. of Faculty contributed	% of Faculty Contributed	Incentive Amount (in Rs.)
1	Auto	16	5	31%	59,816/-
2	Mech & Mechatronics	23	7	30%	80,833/-
3	Civil	14	6	43%	72,000/-
4	IT	25	9	36%	53,200/-
5	CSE	27	5	19%	42,400/-
6	AI&DS	16	2	13%	7,500/-
7	МСА	6	1	17%	10,500/-
8	EEE & EIE	31	9	29%	1,16,000/-
9	ECE	25	9	36%	93,000/-
10	CSE(CS)	11	1	10%	37,500/-
11	S&H	36	6	17%	89,500/-
	Total 230 60 26% 6,62,250 /-				
27	²⁷ 2 nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET				

Faculty Wise R & I Incentive Details

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

AUTOMOBILE ENGINEERING

Faculty Wise Details

Department of Automobile Engineering

No. of Faculty benefited: 5

Category	Amount in Rs.
Publication	44,166
Funded Project	14,250
Patent	1,400
Total	59,816 /-

Name of the faculty	Publication, Funded Project, Patent
Ivalle of the faculty	i ubication, l'unice i roject, i atent
Dr. D.Shanmugam	Publications 5
	Publications 2
Dr. M.Selvakumar	Funded Project 1
Dr. M.Thirunavukkarasu	Publications 4
Dr. S.K.Ashok	Publications 1 Patent 1

MECHANICAL ENGINEERING

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

31

MCET

Faculty Wise Details

Department of Mechanical Engineering

No. of Faculty benefited: 7

Category	Amount in Rs.
Publication	80,833 /-
Total	80,833 /-

			Mech
S.No	Name of the faculty	Publication, Funded Project, Patent	
1	The second se	Publications 4	
2	Dr.D.Nathan	Publications 1	
3	The second se	Publications 4	

³³ 2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET



CIVIL ENGINEERING

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

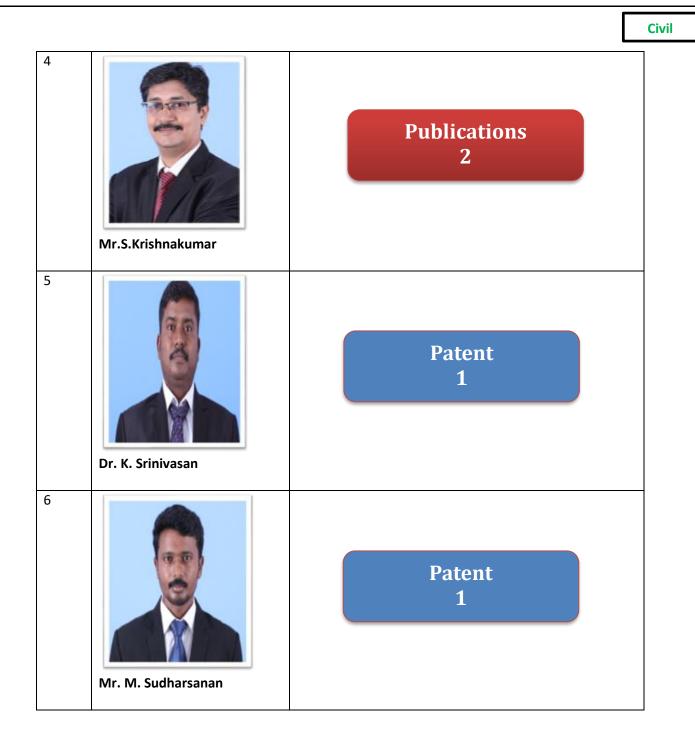
Faculty Wise Details

Department of Civil Engineering

No. of Faculty benefited: 6

Category	Amount in Rs.
Publication	67,000
Patent	5,000
Total	72,000 /-

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Dr.K.Murali	Patent 1
2	The second se	Publications 9
3	Dr.M.Mariappan	Publications 2



INFORMATION TECHNOLOGY

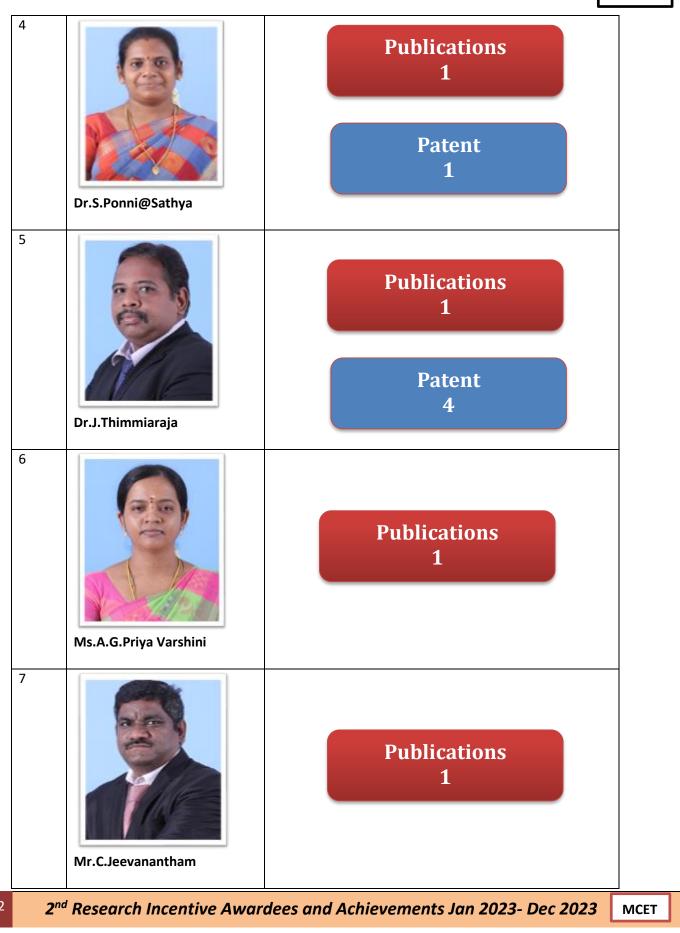
2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

Department of Information Technology

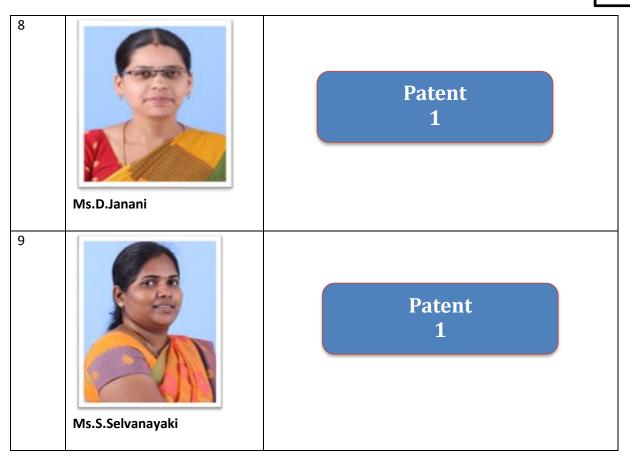
No. of Faculty benefited: 9

Category	Amount in Rs.
Publication	16,500
Patent	36,700
Total	53,200 /-

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Fr.s.Ramakrishnan	Publications 1 Patent 1
2	The second se	Patent 1
3	Tr.A.P.Janani	Patent 1



IT



COMPUTER SCIENCE AND ENGINEERING

Department of Computer Science and Engineering

No. of Faculty benefited: 5

Category	Amount in Rs.
Publication	36,000
Patent	6,400
Total	42,400 /-

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Fr.M.Senthil Madasamy	Publications 1
2	Dr.J. Bhavithra	Publications 2
3	With the second seco	Publications 1 Patent 1



ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MG

48

MCET

Department of Artificial Intelligence and Data Science

No. of Faculty benefited: 2

Category	Amount in Rs.
Publication	5,000
Patent	2,500
Total	7,500 /-

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Dr.M.Balakrishnan	Patent 1
2	With the second seco	Publications 1

MASTER OF COMPUTER APPLICATIONS

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

51

MCET

Department of Master of Computer Applications

No. of Faculty benefited: 1

Category	Amount in Rs.
Publication	10,500
Total	10,500 /-

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Fr. R. Muthusami	Publications 2

ELECTRICAL AND ELECTRONICS ENGINEERING

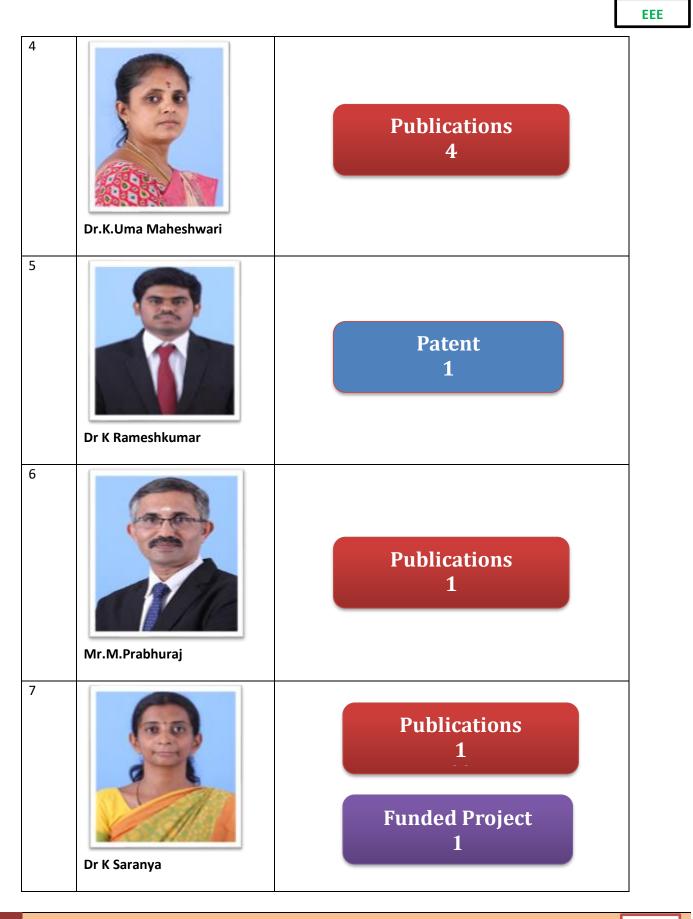
Department of Electrical and Electronics Engineering

No. of Faculty benefited: 9

Category	Amount in Rs.
Publication	76,000/-
Funded Project	10,000/-
Patent	30,000/-
Total	1,16,000/-

EEE

S.No	Name of the faculty	Publication, Funded Project, Patent
1	The second se	Publications 3 Patent 2
2	The second se	Publications 3 Funded Project 1
3	The second se	Publications 7 Patent 3



2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET



ELECTRONICS AND COMMUNICATION ENGINEERING

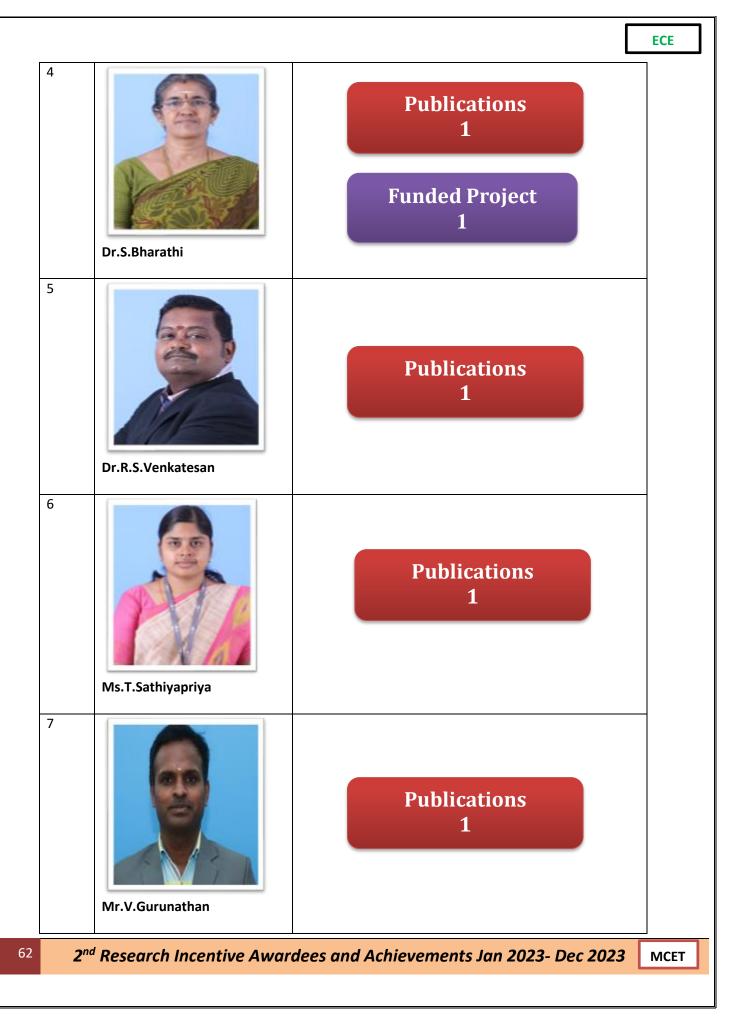
Department of Electronics and Communication Engineering

No. of Faculty benefited: 9

Category	Amount in Rs.
Publication	33,500/-
Funded Project	59,500/-
Total	93,000 /-

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET

S.No	Name of the faculty	Publication, Funded Project, Patent
1	Frage Frage Fr	Funded Project 1
2	The second se	Publications 2
3	Dr.N.Saravanakumar	Publications 2 Funded Project 2



COMPUTER SCIENCE ENGINEERING (Cyber Security)

Department of CSE (Cyber Security)

No. of Faculty benefited: 1

Category	Amount in Rs.
Publication	2,500/-
Funded Project	35,000/-
Total	37,500 /-

CYS

S.No	Name of the faculty	Publication, Funded Project, Patent	
1		Publications 1	
	Dr.K.N.VijeyaKumar	Funded Project 2	

SCIENCE & HUMANITIES

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

66

MCET

Department of Science & Humanities

No. of Faculty benefited: 6

Category	Amount in Rs.
Publication	39,500/-
Funded Project	45,000/-
Patent	5,000/-
Total	89,500 /-

S.No	Name of the faculty	Publication, Funded Project, Patent
1	F. B. Saravanakumar	Funded Project 1 Patent 1
2	With the second seco	Publications 1
3	Dr. S. Parveen	Publications 4 Funded Project 1

		S & (н
4	Dr. J Johnson William	Publications 1	
5	Dr. M. Mariyappan	Publications 1	
6	Dr.R.Ramesh	Publications 2	

Incentive Amount for Consultancy

Category	Amount in Rs.
Consultancy	1,84,623/-

No. of Faculty benefited: 9

S.No.	Name and Designation			
1.	Dr. L. Chitra Associate Professor/ EEE			
2.	Dr. K. Srinivasan Assistant Professor (SS)/Civil			
3.	Mr. A. Manikandan Assistant Professor(SS)/Civil			
4	Mr. S. Syed Masoodhu Assistant Professor(SS))/Civil			
5	Mr. P. S. Sathish Kumar Assistant Professor(SS) /Civil			
6	Mr. M. Praburaj Assistant Professor(SS)/EEE			
7	Mr. M. Saravanakumar Assistant Professor(SS)/EEE			
8	Mr. S. Dineshkumar Assistant Professor/Civil			
9	Mr. M. Sudharsanan Assistant Professor/Civil			

70

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

Incentive Amount for Consultancy

Category	Amount in Rs.	No. of Faculty
Consultancy	31,974/-	benefited: 9
S.No.	Name and Designation	ו
1.	Mr. K. Karuppasamy Lab Assistant/Civil	
2.	Mr. P. Sakthivel Lab Assistant/Civil	
3. Mr. K. Arivazhagan Lab Assistant/EEE		
4 4 Lab Assistant/EEE		
5	Mr. B. Saravanraj Lab Assistant/EEE	
Mr.M. Malaiyandisami 6 Lab Assistant/ EEE		ni
7 7 Lab Assistant/EEE		chel Raj
8	Mr. R. Amarnath Lab Assistant/EEE	
9	Mr. C. Vishnuchanda Lab Assistant/EEE	r

71

2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023

MCET

Incentives for Supporting Staff

For the support in doing Funded Project

Category	Amount in Rs.	
		No. of Faculty
Funded Project Support	22,500/-	benefited: 3
upport		

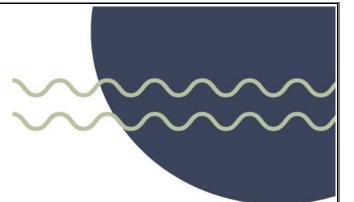
S.No.	Name of the faculty	Department	Total Claim Amount (in Rs.)
1.	Mr.B.Rangarajan	Automobile Engineering	6,000/-
2.	Mr.J.Antony Wilson	Electronics and Communication Engineering	4,500/-
3.	Mr.Talluri Vineel Jessy Senior Research Fellowship C2S PROJECT	Electronics and Communication Engineering	12,000/-

Photos taken during the Ceremony





2nd Research Incentive Awardees and Achievements Jan 2023- Dec 2023 MCET



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

