

# **R.M.K. ENGINEERING COLLEGE**

**(An Autonomous Institution)**

**R.S.M. NAGAR, KAVARAIPETTAI, GUMMIDIPOONDI TALUK, THIRUVALLUR  
DIST. - 601206.**

**(Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi  
/Accredited by NAAC with A+ Grade/ISO 9001:2015 Certified Institution  
/All the eligible UG programs are accredited by NBA, New Delhi)**



## **ELECTROWERKZ NEWSLETTER DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

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# Vision and Mission

**To Mould the Young Professionals into Creative and Successful Electrical Engineers to meet with the Global Technological Challenges**

- **To Provide World Class Facilities to Enhance Technical Expertise of Students.**
- **To Create Awareness in Cutting Edge Technologies to the Faculty through Continuous Improvement Programs.**
- **To Provide a Conducive Ambience for the Teaching–Learning Process.**
- **To Impart Industry Oriented Technical Skills and Equip Students to Meet with the Societal Developments.**
- **To Inculcate Ethical Values, Team Spirit, Leadership Quality and Flexibility in Budding Electrical Engineers.**

# Students Activity

**01. Guest Lecture**

**02. Industrial Visit**

**03. Inplant Training**

**04. Paper Publication**

**05. Placement**

**06. Higher Studies**

**07. Extracurricular Activities**

# Faculty Activity

**08. FDP Attended**

**9.Funded Project**

**10.Conference/ Workshop / FDP Organised**

**11.PATENT**

**12.Faculty Achievement**

**13.Consultancy**

# 01. Guest Lecture

<b>Name of the Industry Expert</b>	<b>Designation</b>	<b>Industry</b>	<b>Topic</b>
Mr.S.Sangeeth	Data Specialist Deputy Manager	Philips Gbs, Chennai	Data and Engineering
Ms.R V Rashmi	Firmware Engineer	Intel Technologies ,Banglore	Embedded Systems and Industry Trends
Mr.S.Vignesh	Project leader	Johnson control INDIA Pvt,Chennai	Real time applications of Closed loop systems
Ms.R V Rashmi	Firmware Engineer	Intel Technologies ,Banglore	Industrial Insights of Embedded Systems
Dr.K.Pushpanathan	Director	TIAS Energy Pvt.Ltd	Solar PV Technology and Components
Dr.K.Pushpanathan	Director	TIAS Energy Pvt.Ltd	Solar PV system Design and Application
Mr. Srinivas Sambandam	Founder & Managing Director	Galaxy Educational Consultants	Worldwide Job Oppurtunities And Industries Expectation

# 02.Industrial Visit

<b>Year / SEM</b>	<b>Total No of Students</b>	<b>No.of students attended</b>	<b>Name of the Industry</b>	<b>Location</b>	<b>Date</b>
II/IV	125	125	NCTPS	Athipattu	4.02.2020, 5.02.2020
II/IV	125	125	Kamarajar Port Trust-manali	Ennore	19.02.2020
III/V	138	138	Sriperumbudur Sub Station	Sriperumbudur	12.02.2020
III/V	138	138	Kamarajar Port Trust-manali	Ennore	10.03.2020
II/IV	125	125	NCTPS	Athipattu	4.02.2020, 5.02.2020
II/IV	125	125	Kamarajar Port Trust-manali	Ennore	19.02.2020

# 03.Inplant Training

Name of the Industry	Student Name	From Date	To Date	No of Days
Crion Technologies	ABISHEK S	1.02.2021	13.02.2021	14
SHAPEAI - Machine Learning Bootcamp	AHAMED BASHA N	05.02.2021	12.02.2021	14
NSIC Technical service center	AJAYKUMAR R	1.02.2021	05.02.2021	7
Crion technology	AKSHAYA R NAIR	1.02.2021	13.02.2021	14
Crion technology	AKSHAY KUMAR D	1.02.2021	13.02.2021	14
KAASHIV INFOTECH	AMRITHA A	03.02.2021	09.02.2021	7
KAASHIV INFOTECH	ANEESH JOHN C	01.02.2021	05.02.2021	7
crion technologies	ARAVINDAN M C	1.02.2021	13.02.2021	14
KAASHIV INFOTECH, Crion Technologies	AVANTHIKA C	01.02.2021	05.02.2021	7
KAASHIV INFOTECH	AZHAGUDEVI K	01.02.2021	05.02.2021	7
NSIC Technical service center	BALABHADRA NANDAKIRAN ROYAL	08.02.2021	12.02.2021	7
NSIC Technical service center	BALAJI B	1.02.2021	13.02.2021	7
NSIC Technical service center	BHARATH R	1.02.2021	13.02.2021	7
NSIC Technical service centre	CHANDRASEKAR M M	08.02.2021	12.02.2021	7
NSIC Technical service centre	DERICK CLEMENT H	8.02.2021	12.02.2021	7
NSIC Technical service centre	DHANUS KUMAR K	8.02.2021	12.02.2021	7
KAASHIV INFOTECH	DHARSHINI D	01.02.2021	05.02.2021	7
NSIC TECHNICAL SERVICE CENTER	DINESH RAJ E	08.02.2021	12.02.2021	7
KAASHIV INFOTECH	DINESHRAM P	15.2.2021	20.2.2021	7
KAASHIV INFOTECH	DIVYA LAKSHUME M	1.2.2021	20.2.2021	14

# 04.Paper Publication

<b>Name of the faculty</b>	<b>Title of the Paper</b>	<b>Journal Name</b>	<b>Indexing</b>
M. Mohamed Thalib, M. Vimala, A. Muthu Manokar, Ravishankar Sathyamurthy, Milad Sadeghzadeh,	Energy, exergy and economic investigation of passive and active	Journal of Thermal Analysis and Calorimetry	SCI
Sabari L Umamaheswari, A Santhosh, Balireddy MohanReddy, D Jothi Prakash, Maligi Adithya Kumar, Jebamani. T	Self Sustaining Hybrid Renewable Energy DC Micro grid with Ideal Energy Superintendence for AC Load Operation	Turkish Online Journal of Qualitative Inquiry	Scopus
Sabari L. Umamaheswari, Prakesh B, Palani.S, Rakesh.J Ranjith.G	Patient Monitoring System using Iot Technology	Turkish Online Journal of Qualitative Inquiry	Scopus
L.Annie Isabella ,Aravindharaj P, Barath E, Barath W, Sriganesh K,A.Xavier	Smart ATM Security System	Turkish Online Journal of Qualitative Inquiry	Scopus
Jenifer .A ,Ranjith.I ,Sai Dinakaran J.P ,Kishore kumar	Android Application using Android Studio	Turkish Online Journal of Qualitative Inquiry	Scopus
T.Magesh , Aravindan M C , Srinath D , Harish D , Harish D , M.Vimala ,Geethanjali Baskar	Power Measurement and Protection Circuit	Turkish Online Journal of Qualitative Inquiry	Scopus
E.Elakkia, Parri Lokesh , Pojula Gokul Krishna , Shaik Mohammed Sajid ,Shaik Mohammed Sajid , Nandini B	Security based Circuit Breaker for Maintenance and Management Using IoT	Turkish Online Journal of Qualitative Inquiry	Scopus
E.Elakkia , S.Anita , Sneha S , Sneha S M , Vishali L , Nandini B	Zigbee Based Home Automation System for Physically Challenged And Elderly People	Turkish Online Journal of Qualitative Inquiry	Scopus



<b>Name of the faculty</b>	<b>Title of the Paper</b>	<b>Journnal Name</b>	<b>Indexing</b>
Alexander Jeevanandham Ya, Deva.K, Kanivizhaiyan N , Meganathan.R , Nagarjun.N	Smart Home Management System	Turkish Online Journal of Qualitative Inquiry	Scopus
Alexander Jeevanandham Y, Govind K , Jeevaharan M J , Kamalesh M, Natarajan V	Real Time Performance Monitoring Of Solar Panel	Turkish Online Journal of Qualitative Inquiry	Scopus
Naresh Kumar K, Pavithra T, Pavithra J, Santhiya G	Tap Changing of Autotransformer using Internet of Things	Turkish Online Journal of Qualitative Inquiry	Scopus
K.Naresh Kumar,Jilani Basha M, Naveen Kumar S, Nithish Kumar S, Nizzar Ahmed Z, Jabamani T	Automated Level Crossing with Alert System and GSM	Turkish Online Journal of Qualitative Inquiry	Scopus
S Balamurugan, J S Shalini, M Snehitha, M R TharunaAbinaya, P M Yuvashree	Anaemia and Polycythaemia detection Using Non-Invasive Method	Turkish Online Journal of Qualitative Inquiry	Scopus
Fayaz Ahamed A, Kavipriya.G, Krithika.S, Naveena.S, Pooja.O	Multiport Cuk Converter Using Solar With Battery Charging And Discharging Mode	Turkish Online Journal Of Qualitative Inquiry	Scopus
Y Sukhi , Ch Bhavana, M Keerthi, 1H Swetha, T Anusha, J.Alex	Web Based Smart Mailbox System	Turkish Online Journal of Qualitative Inquiry	Scopus
M. Perarasi, Geetha Ramadas, Sherwin Joseph N.A, Somasundaram V.L, Vasanth Kumar .K, Venkata Vamsi Krishna Soma	SMART SOLAR PANEL MONITORING SYSTEM USING IMAGE PROCESSING	Turkish Online Journal of Qualitative Inquiry	Scopus

# 05.Placement

Name of the organization	No.of students Placed	Salary in Lakhs	Product / Core/ Service companies
ACCENTURE (4.50 LAKHS)	15	4.5	Service
ACCENTURE (6.50 LAKHS)	1	6.5	Service
Agnikul Cosmos Pvt Ltd (2.4 LAKHS)	1	2.4	Service
Alight(3.50LAKHS)	1	3.5	Service
Amazon Development Center , India (2.48LAKHS)	1	2.48	Service
BYJUS (10.00 LAKHS)	1	10	Product
CAPGEMINI (3.50 LAKHS)	3	3.5	Service
Coda Global (6.10 LAKHS)	1	6.1	Product
COGNIZANT_GENC (4.00 LAKHS)	20	4	Service
FACE (3.06 LAKHS)	1	3.06	Service
fine tech enterprises	1	2.5	Service
Flex(3.10 lakhs)	1	3.1	Core
HCL Technologies Ltd. (Rs.3.50 Lakhs)	1	3.5	Service
Helyxon(3.40 Lakhs)	1	3.4	Service
KPIT TECHNOLOGIES PVT LTD (3.60 LAKHS)	3	3.6	Core
L & T Technology services (Rs.4.00 Lakhs)	5	4	Service
LTI (3.5 LAKHS)	1	3.5	Service
LTI (5.00 LAKHS)	3	5	Service
LTI (8.00 LAKHS)	3	8	Service
Mindtree ( 4.00 Lakhs)	2	4	Service
PENNAR INDUSTRIES (2.34 LAKHS)	1	2.34	Service
Renault Nissan Automotive nvt l td	2	2.5	Service

SL LUMAX LTD (1.47 LAKHS)	1	1.47	Service
Sun Network	1	2.5	Service
Sutherland_Non Voice (2.50 LAKHS)	3	2.5	Service
TATA elxsi (3.500 lakhs)	1	3.5	Core
TCS - DIGITAL (7.00 LAKHS)	4	7	Service
TCS - NINJA (3.50 LAKHS)	11	3.5	Service
Temenos (6.31 Lakhs)	1	6.31	Product
Trimble (6.5 lakhs)	1	6.5	Product
TVS SUNDRAM FASTENERS LTD (1.69 LAKHS)	4	1.69	Service
TVS Supply chain Solutions	1	1.5	Service
VURAM (4.50 LAKHS)	1	4.5	Service
WALMART (6.50 LAKHS)	1	6.5	Product
WILEY INDIA (7.00 LAKHS)	1	7	Product
Wipro Technologies (5.00 LAKHS)	1	5	Service
Zoho (4.5Lakhs)	1	4.5	Product

# 06.Higher Studies

<b>Register Number</b>	<b>Name of the student</b>	<b>Institution</b>	<b>Specialization</b>
111716105011	Arul Selvan V	VIT University, Chennai	M.Tech, Automotive Electronics
111716105035	Guruprasanth S	Lovely Professional University, Punjab	MBA
111716105075	Prince N	ICAT Design & Media college, Chennai	PG
111716105062	Mega Shyam	Skill Lync, Chennai	PG
111716105038	Harish	SRM Institute of Technology and Science, Chennai	M.B.A.-Business Administration
111717105035	Kameshwaran	SRM Institute of Technology and Science, Chennai	LLB

# 07.Extracurricular Activities

<b>Year / SEM</b>	<b>Name of the society</b>	<b>Activity Name</b>	<b>Date</b>	<b>No of the students attended</b>
IV/VIII	IEI	Best Project Award	03.09.2021	22
IV/VIII	IEI	Best Student Award	03.09.2021	5
III/V	IEI	Paper Presentation	03.09.2021	1
III/V	IEI	Riddles	03.09.2021	1
III/V	IEI	Best Project Award	03.09.2021	10
II/III	IEI	Best Student Award	03.09.2021	1
II/III	IEI	Best Project Award	03.09.2021	15
II/III	ISTE	Mathematical Competition	05.12.2021	59
III/V	ISTE	Mathematical Competition	05.12.2022	115
IV/VII	ISTE	Mathematical Competition	05.12.2022	79
IV/VIII	ISTE	Best Student Award	28.03.2022	2
IV/VIII	ISTE	Best Project Award	28.03.2022	1



Ms.Jenifer.A	ATAL FDP on "Research Avenues and Challenges in Industry 4.0"	RMD Engineering College	14.06.2021 to 18.06.2021	5
Ms.Sabari Uma Maheswari	ATAL FDP on "Research Avenues and Challenges in Industry 4.0"	RMD Engineering College	14.06.2021 to 18.06.2021	5
Ms. M. Perarasi	ATAL FDP on "Research Avenues and Challenges in Industry 4.0"	RMD Engineering College	14.06.2021 to 18.06.2021	5
Ms.Jenifer.A	NITTTR Online Training Programme on "OUTCOME BASED EDUCATION"	NITTTR	21.06.2021 to 25.06.2021	5
Ms.Elakkia E	Elsevier Author Workshop: Fundamentals of Research Article Writing	Elsevier	4.6.2021(11 AM TO 1 PM)	1
Ms.Elakkia E	ATAL FDP on "Research Avenues and Challenges in Industry 4.0"	RMD Engineering College	14.06.2021 to 18.06.2021	5
Ms.Elakkia E	NITTTR Online Training Programme on "OUTCOME BASED EDUCATION"	NITTTR	21.06.2021 to 25.06.2021	5
Ms.Sabari Uma Maheswari	NITTTR Organized Online Training Programme on "OUTCOME BASED EDUCATION"	NITTTR	21.06.2021 to 25.06.2021	5
Dr.S.Anita	NITTTR Online Training Programme on "OUTCOME BASED EDUCATION"	NITTTR	21.06.2021 to 25.06.2021	5
Ms.Sabari Uma Maheswari	ATAL FDP On "Smart Grid – Key to a sustainable Future"	GEC,SURAT	28.06.2021 to 02.07.2021	5
Ms.Chandla Ellis	NITTTR Organized Online Training Programme on"NBA Accreditation Process for UG and PG Programs"	NITTTR	21.06.2021 to 25.06.2021	5
Mr.A.Fayaz Ahamed	NITTTR Organized Online Training Programme on"NBA Accreditation Process for UG and PG Programs"	NITTTR	21.06.2021 to 25.06.2021	5

Mr.Balamurugan S	NITTTR Organized Online Training Programme on"NBA Accreditation Process for UG and PG Programs"	NITTTR	21.06.2021 to 25.06.2021	5
Dr.Kavitha P	NITTTR Organized Online Training Programme on"NBA Accreditation Process for UG and PG Programs"	NITTTR	21.06.2021 to 25.06.2021	5
Dr. T.Magesh	VIT Chennai organized FDP "AI-ML Software tools"	VIT,Chennai	21.07.2021 to 25.07.2021	5
Ms.M.S.Kavitha	NITTTR Online Training Programme on "OUTCOME BASED EDUCATION"	NITTTR	21.06.2021 to 25.06.2021	5
Ms.M.Vimala	ATAL FDP on "Research Avenues and Challenges in Industry 4.0"	RMD Engineering College	14.06.2021 to 18.06.2021	5
Mr.Thiyagesan M	ATAL FDP " Quantum Computing"	AICTE	01.06.2020 to 05.06.2021	5
Mr.Thiyagesan M	Elsevier Author Workshop: Fundamentals of Research Article Writing	Elsevier	04.06.2021( 11 AM TO 1 PM)	1
Mr.Balamurugan S	ATAL 'Microgrid An Opportunity: Electric Vehicles and Renewable Energy Resources'	AICTE	05.07.2021 to 09.07.2021	5
Ms.Chandla Ellis	One day FDP on "Mitsubishi Electric SCADA"	Others	23.07.2021 (2PM TO 5PM)	1
Ms.Perarasi. M	ATAL FDP on "Recent Trends in Electric Vehicle and Renewable Energy Systems"	Arasu Engineering College	21.06.2021 to 25.06.2021	5
Dr.T.Magesh	NITTTR Organized Online Training Programme on"NBA Accreditation Process for UG and PG Programs"	NITTTR	21.06.2021 to 25.06.2021	5
Dr. T.Magesh	Two week online FDP," Digital Transformation in Health Care"	Easwari Engineering College	02.08.2021 to 16.08.2021	14



# 9.Funded Project

<b>Name of the faculty</b>	<b>From</b>	<b>To</b>	<b>Description</b>	<b>Industry</b>	<b>Fund Generated (Rs)</b>
Dr. T. Magesh	23-03-2021		Smart Energy Monitoring System	-	29,250/-

# 10.PATENT

Name of the Applicants	Name of the Inventors	Title	Application no. & patent filed Date	Current Status
1. R.K.Sankamitra 2. Samriddhi Programme centre, R.M.K. Engineering College	1.R.K.Sankamitra 2.Ms.M.Vimala 3.SumathiSree. A 4. Vanitha K 5. Vishnu Priya K S 6.Dr.K.A. Mohamed Junaid 7. Dr.N.M. JothiSwaroopan	Smartphone ControlledEnd- Effector	202141016664 & 08/04/2021	Application Published 12/04/2021
1. Arun Kumar D 2. Samriddhi Programme centre, R.M.K. Engineering College	1. Arun Kumar D 2. Ms Annie Isabella L 3.S.Abhishek 4. Advaid.P.Anoop 5.Dr.K.A. Mohamed Junaid 6. Dr.N.M. JothiSwaroopan	Precision Agriculture	202141013784 & 27/03/2021	Application Published 02/04/2021
1.Ravivarma.P 2. Samriddhi Programme centre, R.M.K. Engineering College	1. Ravivarma.P 2. Mr.A. FayazeAhamad 3.RakeshVibahar.R.M 4. Purusothaman.S 5. Vishnu Priya K S 6. Gurudevan.M 7.Dr.K.A. Mohamed Junaid 8. Dr.N.M. JothiSwaroopan	Hybrid Microgrid Optimization Using Homer Software	202141013783 & 27/03/2021	Application Published 02/04/2021
Dr.GeethaRamadas Ms.Perarasi M Ms.M. Vimala Mr. Alexander Jeevanantham Mr. K. Naresh Kumar Ms. A. Jenifer Ms.Sabari L UmamaheswariMs. Annie Isabella L Ms. E. Elakkia	Dr.GeethaRamadas Ms.Perarasi M Ms.M. Vimala Mr. Alexander Jeevanantham Mr. K. Naresh Kumar Ms. A. Jenifer Ms.Sabari L UmamaheswariMs. Annie Isabella L Ms. E. Elakkia	A Low-Cost Auto Tracking Solar Panel Cell Phone Charger	202141021932 & 15/05/2021	Application Published 15/05/2021
R.M.K. Engineering College	Ms.MPerarasi Mr. Alexander Jeevanatham Dr. GeethaRamadas ShaliniS,SwethaaPriyaS,B hanusreejaP,SivaSriya D	Design Of Smart Therapy Device For Bone And Muscle Healing	202141029945 & 03/07/2021	Application Published & 06/01/2023

# 11. Faculty Achievement

<b>Name of the Faculty</b>	<b>Nature of the award</b>	<b>Institute d by</b>	<b>Details of the prize</b>	<b>Name of the Faculty</b>	<b>Nature of the award</b>
Dr.Y.Sukhi	Innovative Researcher & Dedicated Professor	The Society of Innovative Educationalist & Scientific Research Professional, Chennai	Ceritificate	Dr.Y.Sukhi	Innovative Researcher & Dedicated Professor
Dr.Y.Sukhi	ISTE - PERIYAR Best Teacher Award	Madurai Local Centre ISTE TN section Engineering Faculty virtual convention	Ceritificate	Dr.Y.Sukhi	ISTE - PERIYAR Best Teacher Award
Dr. Geetha Ramadas	Best Faculty Award	IEI Hosur Local Centre at Adhiyamaan College of Engineering in 1st Southern Regional Technical Conclave	Ceritificate	Dr. Geetha Ramadas	Best Faculty Award
Dr.Y.Sukhi	Best Faculty Award	IEI Hosur Local Centre at Adhiyamaan College of Engineering in 1st Southern Regional Technical Conclave	Ceritificate	Dr.Y.Sukhi	Best Faculty Award

# 12.Consultancy

Name of the faculty	From	To	Description	Industry	Fund Generated
Mrs.M.S.Kavitha	7.4.2021	1.7.2021	Knock Based Security console with fingerprint sensor	Galaxy Educational Consultants	50,000
Ms. M.Vimala ,M.Perarasi	20.01.2021	25.06.2021	Solar photovoltaic based electrification for electronic weighing machines	Muthu stores	50,000
Y.Sukhi	8.1.2021	7.8.2021	Water tank Electricity Generator	PM Agro Biotech Pvt Ltd	20,000
A.Jenifer	1.7.2021	7.10.2021	E-Vehicle Battery Charger	PM Agro Biotech Pvt Ltd	20,000
A.Fayaz Ahamed	8.1.2021	7.8.2021	Green House Plant Automation	PM Agro Biotech Pvt Ltd	20,000
Mr.Alexander Jeevanantham				Srinivasa Electricals & Services	50,000
Dr.Geetha Ramadas, Dr.T.Magesh,M. Thiyagesan,Annie Isabella	01-04-2021	30-08-2021	Grid Integrated Charging Station For Electric Vehicles	Green City Aircon	40,000