



R.M.K. ENGINEERING COLLEGE

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

JAN 2019-DEC 2019

Volume 9, Issue-01

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**

08

• **Professional Societies**

Jan 2019-Dec 2019

FACULTY ACTIVITY

09

• **FDP Attended**

10

• **Funded Project**

11

• **Conference/ Workshop / FDP Organised**

12

• **PATENT**

13

• **Faculty Achievement**

14

• **Consultancy**

Jan 2019-Dec 2019

Guest Lecture

Name of the Industry Expert	Designation	Industry	Topic	No. of Students Attended	Batch Name	Year/ Semester	Date
Mr Salaivan Muthu Sambath	Team Manager	CTS	Fundamentals of Programming	126	2018-2022	II Year/ IV Sem	23-02-2019
Mr Salaivan Muthu Sambath	Team Manager	CTS	Programming in C	138	2017-2021	III Year/ VI Sem	23-02-2020
Dr.G.Thiagu	Managing Director	New Bee Technologies	Robotics Automation	126	2017-2021	II Year/ IV Sem	13-02-2019
Dr.G.Thiagu	Managing Director	New Bee Technologies	Embedded systems	138	2016-2020	III Year/ VI Sem	13-02-2020
Mr Salaivan Muthu Sambath	Team Manager	CTS	Enhancing Programming skills	125	2016-2020	IV Year/ VII Sem	20.07.2019
Mrs.Chenthamarai Selvam	Sr,Principal	Scientist(retd),csir	Role of Internet of Technology(IoT) to meet or manage the societal needs	126	2018-2022	II Year/ III Sem	20.07.2019
Mr.J.V.Chandrasekhar	Technical Lead (Retd)	Alight Solutions	Object Oriented Programming	138	2017-2021	III Year/ V Sem	03.08.2019

Jan 2019-Dec 2019



Mr Salaivan Muthu Sambath	Team Manager	CTS	Fundamentals of Program
----------------------------------	---------------------	------------	--------------------------------



Dr.G.Thiagu	Managing Director	New Bee Technologies	Robotics Auto
--------------------	--------------------------	-----------------------------	----------------------



Mrs.Chenthamarai Selvam	Sr,Principal	Scientist(retd),csir	Role of Internet of Technology(IoT) to manage the societal
--------------------------------	---------------------	-----------------------------	---

Jan 2019-Dec 2019

Industrial Visit

Batch Name	Year / SEM	Total No of Students	No.of students attended	Name of the Industry	Location	Date
2018-22	II/III	125	125	Alamathy substation	Alamathy	9.7.2019,10.7.2019, 11.7.2019
2018-22	II/III	125	125	SHAR	Sriharikota	19.8.2019
2016-20	IV/VII	125	125	News 7	Nungambakkam	19.8.2019
2016-20	III/V	125	125	Siruseri substation	Siruseri	9.7.2019, 10.7.2019
2017-21	III/V	138	138	News 7	Nungambakkam	23.9.2019, 24.9.2019
2017-21	III/V	138	138	Technocrat	Nungambakkam	1.8.2019

Jan 2019-Dec 2019

Industrial Visit



Alamathy substation

Alamathy

9.7.2019,10.7.2019,11.7.2019



Siruseri substation

Siruseri

9.7.2019, 10.7.2019



Technocrat

Nungambakkam 1.8.2019

Jan 2019-Dec 2019

Paper Publication

Name of the faculty	Title of the Paper	Journnal Name	Indexing
A.R.Kavitha, Dr.C.Chellamuthu	Brain Tumor detection using self-adaptive learning PSO – based feature selection algorithm in MRI images	International Journal of Business Intelligence and Data Mining	Scopus
Mallavolumalleswararao Dr.GeethaRamadas	Multiobjective Improved Particle Swarm Optimisation For Transmission Congestion AndVoltage Profile Management Using Multilevel UPFC	Power Electronics And Drives(Sciendo)	Google Scholar
Muruganpushpavalli, Dr.N.M.JothiSwaroopan	Performance Analysis Of Hybrid Photovoltaic/Wind Energy System Using KY Boost Converter	International Journal Of Power Electronics And Drive Systems	Scopus
Ms.Sivagami, Dr.N.M.JothiSwaroopan	Performance Measures Of Positive Output SuperliftLuo Converter Using Multitudinous Controller	International Journal Of Power Electronics And Drive System	Scopus
Dr.T.Magesh S.SyedShahruqBasha, R.Subash, S.Yogesh Mr.Hussain	Enhancement Of Lead Acid Battery For Life Cycle Improvement	International Journal Engineering Science and Computing	Google Scholar
Dr.S.Anita, Dr.C.Chellamuthu, Dr .Y.Sukhi	Simplified Design Of Permanent Magnet Synchronous Generator For Gas Turbine Application	Journal of Electrical Engg	Scopus
Ms.M.S.Kavitha P.Gayathri, S.Pradeepa, R.Pavithra	Wireless Power Transfer For Electric Vehicle Applications	International Journal Engineering Science and Computing	Google Scholar
Ms.M.S.Kavitha P.Soundriya, J.M.Vaishnu, M.Yamuna	An Embedded Based ATM For Blind People	International Journal Engineering Science and Computing	Google Scholar

Jan 2019-Dec 2019

Paper Publication

Ms.M.S.Kavitha Vishnu Kumar ,K.Praveen Kumar , S.Raja Ganesh	Smart Car With Zone Recognizing Feature Using RFID System	International Journal of Scientific Research in Science, Engineering and Technology	Google Scholar, DRJI
Ms.M.S.Kavitha B.Koushikkannan ,B.Praveen Ram	PIR Based Enhanced Safety System In Automobiles	International Journal of Scientific Research in Science, Engineering and Technology	Google Scholar, DRJI
Ms.M.S.Kavitha A.R.Madhu, R.Pradeepika, P.Sandhiya	Automation In The Body Control Module Of A Car	International Journal Of Advance Research, Ideas And Innovations In Technology	Google Scholar
Ms.M.S.Kavitha, Dr.P.Rangarajan	An Optimized Algorithm For FPGA Architecture Oriented IOT Applications	Cognitive Systems Research	Science Citation Index
Ms.Chandla Ellis Habeebullah, Dinesh Kumar,Sathish	Wireless Health Alerting Device	International Journal Of Engineering And Techniques	Google Scholar
Ms.Chandla Ellis V.I.Giritharan, D.Karthikeyan, J.Kameshmr.D	Maximum Power Point Tracking From PV Panel Using Fuzzy Logic Controller	International Journal Of Engineering And Techniques	Google Scholar
Ms.Chandla Ellis S.Aabitha,P.Akhila, N.Evangelin Ruby	Doctors Assistive System Using Augmented Reality For Critical Analysis	International Journal Engineering Science and Computing	Google Scholar
Ms.Chandla Ellis S,Gowtham,ArunKumar,J.Giridhar an	Internet Of Vehicles For Traffic Management	International Journal Of Engineering And Techniques	Google Scholar
Ms.L.Annie Isabella N,Shreya,N,Rakshana, D.Shanjushree Mr.S.K.Mohan-	Guidance System For The Visually Impaired	International Journal Engineering Science and Computing	Google Scholar
Mr.S.Balamurugan N.Aangeeras,R.Andrew, D.Bakthavchalam Mr.Mathiyazhagan	Conservation Of Energy Through Energy Audit	International Journal of Scientific Research in Science, Engineering and Technology	Google Scholar, DRJI

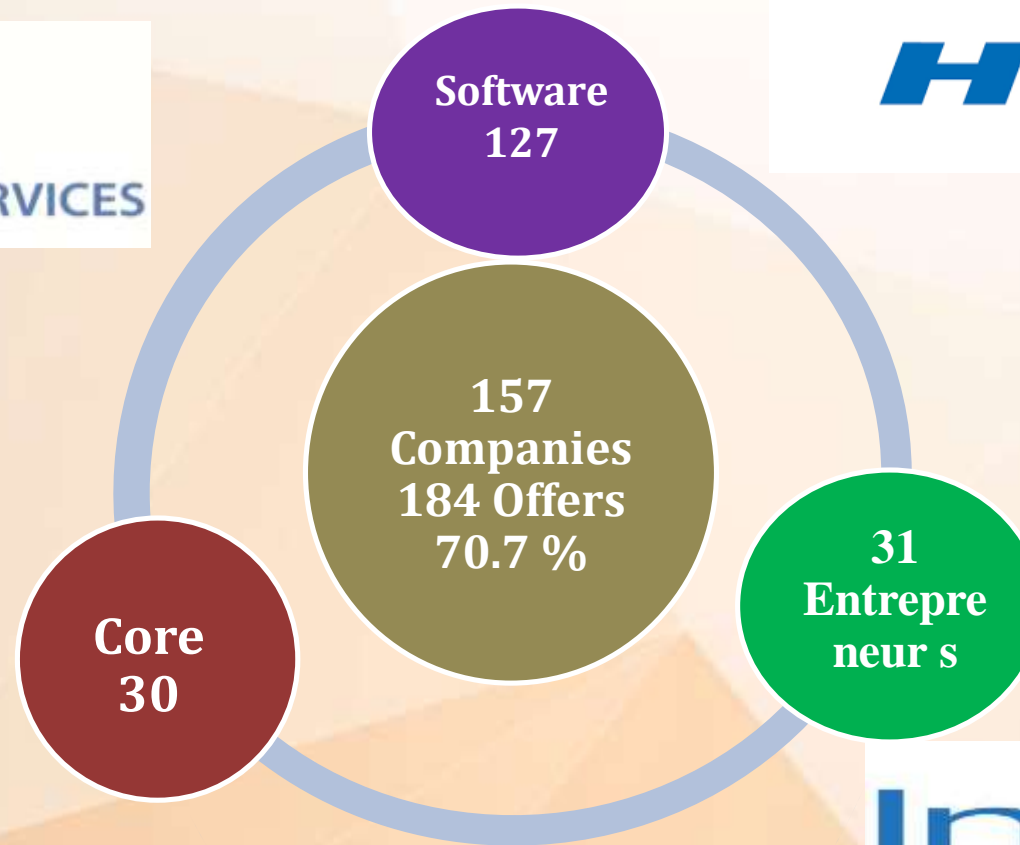
Jan 2019-Dec 2019

Placement

Name of the organization	No.of students Placed	Salary in Lakhs	Product / Core/ Service companies
ACCENTURE	1	4.5	Service
Avasoft	1	3	Service
Avasoft	1	3	Service
Ceasfire	1	2.5	Service
CIKIT Electricals & Technology India vt Ltd	1	3	Service
COGNIZANT	18	4	Service
COMFOTECH	2	2.5	Service
DXC Technologies	1	3	Service
E-CON SYSTEMS_Software	1	4	Core
Ernst & Young Global Ltd. (EY)	5	4.5	Service
HCL_HARDWARE	3	3	Core
Hexaware Technologies	2	3	Service
INFOSYS	1	3.5	Service
JUSTDIAL	1	2	Service
KPIT	14	3.5	Core
MINDTREE	1	3.5	Service
MPHASIS	3	3.75	Service
PRAMATI TECHNOLOGIES	1	3	Service
Sri Maruthi Electronics	1	3	Service
Sutherland (non Voice)	4	2	Service
Sutherland (Voice Process)	3	2	Service
TCS	1	7	Service
TCS_NINJA	7	3.25	Service
WIPRO	4	3.5	Service
ZOHO (6.50LAKHS)	1	5	Product

Jan 2019-Dec 2019

COMPANIES



Jan 2019-Dec 2019

HIGHER STUDIES

Register Number	Name of the student	Institution	Specialization	Period of study
111715105019	Bharath kumar S	Amirtha School Of Business, Coimbatore	MBA	2020-2022
111715105020	Bharath kumar S	Symbiosis International(Deemed University)	MBA	2020-2022
111715105030	Giritharan.V I	Arizona State University, USA	Masters of science in Engineering	2020-2022
111715105035	Jeevan Sai S M	University At Buffalo, USA	Masters of science in Engineering science	2020-2022
111715105044	Kaushik k swaroop	IFIM University, Chennai	Post graduate Diploma in Management	2019-2021
111715105071	R. Piravinkanth	IFIM University, Chennai	Post graduate Diploma in Management	2019-2021
111715105077	S. Praveen	P.S.G Institute Of Management, Coimbatore	PSGIM	2019-2021
111715105081	S. Premnath	Bharathidasan Institute Of Management, Trichy	MBA	2019-2021
111715105089	A.Sandeep	IFIM University, Chennai	Graduate Diploma in Management	2019-2021
111715105098	N. Shreya	Arizona State University, USA	Masters of science in Engineering	2020-2022

Jan 2019-Dec 2019

EXTRACURRICULAR ACTIVITIES

Name of the student/Team members	Nature of the award	Instituted by
K S Nivethitha	Best Student	IEI
K Vijayavignesh	Paper Presentation	IEI
Vishnu Vardhan Reddy	Paper Presentation	IEI
V SaiCharan	Best Student	ISTE
JothiRam S,Mageswaran, Yuvansankar	Student Research and Innovator award	IEI-TVLC

Jan 2019-Dec 2019

PRIZE WINNERS



NIVETHITHA K S , Final year EEE has received Best Student Award from Institution of Engineers(India) in the 5th IEI, Tamilnadu State Centre Students' & Technicians' Chapter Convention on 11th March 2019



Mr.K.VIJAYAVIGNESH & Mr.K.VISHNU VARDHAN REDDY., of Third year students won 2nd prize in paper presentation in IEI Tamilnadu Centenary Technical Conference organized by IEI during 19th -21st August 2019



Mr.S.JOTHIRAM, **Mr.MAGESHWARAN** **and**
Mr.PTV.YUVANSHANKAR received IEI-TVLC "Student Research and Innovator award" from Dr.Mylswamy Annadurai Rtd .Director, ISRO & Hon'ble Minister Thiru. Ma foi K. Pandiarajan on 16th Nov 2019

Jan 2019-Dec 2019

PROFESSIONAL SOCIETIES

Year	Year / SEM	Name of the society	Activity Name	Date	No of the students attended
2019	IV/VIII	IEI-TNSC	Best Student Award	11-03-2019	1
	III/VI	IEI-TNSC	Paper Presentation	11-03-2019	4
	II/III	IEI-TVLC	Student Research Innovation Award	16-11-2019	2
	II/III	IEI-TVLC	Innovative Article Competition	16-11-2019	1

Jan 2019-Dec 2019

Faculty Development Programme

Name of the faculty	Description	Organizer	Duration	No.of days attended
Ms.Jenifer.A	FDP on "Integration of RES"	NIT Warangal	03.06.2019 to 08.06.2019	6
Ms.Sabari L Uma Maheswari	FDP on "Integration of RES"NIT Warangal	NIT Warangal	03.06.2019 to 08.06.2019	6
Ms.V.Karthika	FDP on "EE8301-Electrical Machines-I"	RMKEC	14.06.2019 to 20.06.2019	7
Ms.L.Annie Isabella	FDP on "EE8301-Electrical Machines-I"	RMKEC	14.06.2019 to 20.06.2019	7
Ms.M.S.Kavitha	STTP on "Design and Development of Power Electronic Converters in Renewable Energy Conversion"	RMKEC	21.06.2019 to 27.06.2019	7
Ms.E.Elakkia	STTP on "Design and Development of Power Electronic Converters in Renewable Energy Conversion"	RMKEC	21.06.2019 to 27.06.2019	7
Ms.M.Perarasi	Two weeks AICTE Sponsored Faculty Development Programme on "Challenges of Integrating Wind and Solar into the Electricity Grid using Information Communications Technology"	RMKEC	14.06.2019 to 20.06.2019	7
Ms.M.Vimala	Two weeks AICTE Sponsored Faculty Development Programme on "Challenges of Integrating Wind and Solar into the Electricity Grid using Information Communications Technology"	RMKEC	14.06.2019 to 20.06.2019	7
Ms.K.Naresh Kumar	FDP on "EE8551-Microprocessors and Microcontrollers"	RMDEC	17.06.2019 to 22.06.2019	6
Ms.A.Alexandar Jeevanatham	FDP on "EE8551-Microprocessors and Microcontrollers"	RMDEC	17.06.2019 to 22.06.2019	6
Dr.Geetha Ramadas	FDP on "Scada Applications in power Systems",	Narayana Engineering College-Nellore	01.07.2019 to 06.07.2019	7
Ms.M.Ganesan	Workshop on "Socially Relevant Technical Education: Exploring Cooperation Oriented Action"	Indian Institute of Information Technology, Sri city Chittoor	06.12.2019 to 07.12.2019	2

Jan 2019-Dec 2019

Contd..

Mrr.M.Thiyagesan	Solar Photovoltaics Fundamentals, Technology and Applications,	NPTEL FDP	FULL FDP of 1 week	7
Dr.Y.Sukhi	Fundamentals of Electric Drives	NPTEL FDP	FULL FDP of 1 week	7
Dr.P.Kavitha	Solar Photovoltaics Fundamentals, Technology and Applications	NPTEL FDP	FULL FDP of 1 week	7
Mr.A.Fayaz Ahamed	Fundamentals of Electric Drives	NPTEL FDP	FULL FDP of 1 week	7
Ms.A.Jenifer	Fundamentals of Electric Drives	NPTEL FDP	FULL FDP of 1 week	7
Ms.Elakkia	Embedded System Design With ARM	NPTEL FDP	FULL FDP of 1 week	7
A.Alexandar Jeevanatham	Fundamentals of Electric Drives	NPTEL FDP	FULL FDP of 1 week	7
Mr.K.Naresh Kumar	Power System Analysis	NPTEL FDP	10 days	10

Jan 2019-Dec 2019

FUNDED PROJECT

Name of the faculty	From	To	Description	Industry	Fund Generated (Rs)
Y Sukhi	01-01-2019	24.09.2019	AGRO-AUTOMATION (unmanned farming) / IoT	-	1,00,000

Jan 2019-Dec 2019

CONFERENCE/ WORKSHOP / FDP ORGANISED

Name of the Event	From Date	To Date	No of External Participants	No of Internal Participants	Sponsored Agency if any
FDP on "EE8301-Electrical Machines-I"	14.06.19	20.06.19	25	5	Anna University
Faculty Development Programme on "Challenges of Integrating Wind and Solar into the Electricity Grid using Information Communications Technology"	14.06.19	27.06.19	40	5	AICTE
STTP on "Design and Development of Power Electronic Converters in Renewable Energy Conversion"	21.06.19	27.06.19	37	5	AICTE



Jan 2019-Dec 2019

Patent

Name of the Applicants	Name of the Inventors	Title	Application no. & patent filed Date	Current Status
MEDELECT INSTRUMENTS LLP	K. S. Nivethitha P. Mythili V. Pandiselvi RJ Block, Room No. 207, GNT Road, RSM Nager, Kavaraipettai	An Automatic Intravenous Fluid Changer with a Automated Monitoring of Vital Signs	201941012154 28/03/2019	Application Published 02/10/2020

Jan 2019-Dec 2019

CONSULTANCY

Name of the faculty	From	To	Description	Industry	Fund Generated
Dr.T.Magesh	6.7.2019	30.1.2020	Design of Soft Starter Control of Fixed Speed Wind Generator	Citadel Controls Private Limited	2,00,000
Dr.Y.Sukhi	30.12.2019	30.06.2020	Energy efficient grid connected LED street light	Kirubai foundation	1,50,000
Mr.M.Thiyagesan, Mr.Fayaz Ahameed	17.7.2019	3.2.2020	Collison Avoidance System in Cars	Gem chemicals	1,50,000
Kavitha .P/Annie Isabella	10.8.2019	15.2.2020	Mind controlled wheel chair	Gem chemicals	60,000

Jan 2019-Dec 2019