



R.M.D. Engineering College

R.S.M. Nagar Kavaraipettai- 601206



Department of Electrical And Electronics Engineering

EEE News Letter

R.M.D. ENGINEERING COLLEGE
R S M Nagar , Kavaraipettai - 601 206
Department of EEE

VISION

To impart quality education with the sole intention to equip them with a global outlook to take up the challenging positions in the field of electrical and electronics engineering with highest professional standards.

MISSION

To provide strong knowledge in electrical and electronics engineering by enhancing their technical skills.

To collaborate with core industries through research activities and to undertake consultancy projects with them in several cutting edge technologies.

To inculcate the leadership qualities to meet the challenges of future with holistic spirits.

Program Educational Objectives(PEOs)

PEO I. The graduates of the program will pursue a diverse range of career as engineers, consultants and entrepreneurs.

PEO II. The graduates of the program will specify , design and develop solutions to meet the requirements of electrical and electronics industry.

PEO III. The graduates of the program will excel in their profession through effective communication , teamwork , leadership skills and ethical behavior.

PEO IV. The graduates of the program will apply their knowledge in cutting-edge technologies and innovative methods to solve real world problems in electrical and electronics engineering.

Academic Year 2017-2018

ODD Semester

UNIVERSITY RANK HOLDERS

S.No.	Reg.No	Name	CGPA	Rank
1.	111513105139	SUBRAMANI H	9.28	4
2.	111513105013	ARUNA GV	9.26	5
3.	111513105153	UMA V	9.2	6
4.	111513105029	DINESH K	9.08	12
5.	111513105119	SARANYA N	8.96	20
6.	111513105046	INDU K	8.94	21
7.	111513105005	ABISHA S	8.9	25
8.	111513105128	SHARMILA C	8.9	25
9.	111513105113	RAJALAKSHMI M	8.86	29
10.	111513105094	PALLAM REDDY TEJENDRA	8.84	31
11.	111513105048	JANANI M	8.79	35
12.	111513105070	LOKESH KUMAR C	8.7	44
13.	111513105142	SUMATHI D	8.69	45
14.	111513105149	SWETHA SUKUL	8.69	45
15.	111513105127	SHAMINI T	8.68	46
16.	111513105104	PREETHI B	8.68	46
17.	111513105006	AIYSWARYA R	8.67	47
18.	111513105120	SARANYA P	8.67	47

UNIVERSITY RESULTS (Academic Year 2017-18)

S.No	Year	Batch	Academic Year 2016-2017 Even Semester (VII /V / III / I)		
			Students Appeared	Students Passed	Pass %
1	IV	2013-14	143	137	95.8
2	III	2014-15	136	86	63.2
3	II	2015-16	128	83	64.8
4	I	2016-17	103	94	91.3
Overall Department %			78.4		

FACULTY ACTIVITIES

Papers Published in Journals

S.No	Name of the Faculty Members	Title	Journal
1.	Dr.P.Rangarajan Professor	Novel effective X-path particle swarm optimization based deprived video data retrieval for smart city	Cluster Computing-The Journal of Networks, Software Tools and Applications. ISSN: 1386-7857 (Print) 1573-7543 (Online), October 2017
		An Effective Analysis of MPEG DASH- Dynamic Adaptive Streaming over HTTP, a Streaming Standard for Multimedia	World Applied Sciences Journal, Vol 2, No 35, Pg.No 262-269 , ISSN(1818-4952), July 2017
		Maximum Power Optimization using Flower Pollination Algorithm under Partial Shading Condition for Solar Panel	Journal of electrical engineering, Volume 10, Number 2 ISSN: 1582-4594,July 2017
		Delay- Dependent stability analysis of LFC in interconnected power system using Advanced Clustering with Frequency Sweeping Method	Journal of Advanced Research in Dynamical and Control system, Issue: 17, pp: 1259-1269 ISSN 1943-023X,December 2017.
2.	Dr.P.Usha Rani, Professor	Asymmetrical cascaded twenty seven level inverter based STATCOM	Revue Roumaine Des Sciences techniques— Serie Électrotechnique et Énergetique, Vol. 62, 4, pp. 411–416 ISSN 0035-4066, (WEB OF SCIENCE), November 2017
		Voltage Sag Compensation method for Z source Impedance based Interline Dynamic Voltage Restorer	International Journal of Emerging Engineering Research and Technology, Vol.5, No.6, pp.14-19.ISSN 2349-4395,October 2017
		Grid Interface Bidirectional AC/DC Converter with Suitable Hysteresis-Band Current Control for Residential application	Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115, special issue -10, pp 54-60,July 2017
		Design of 7 & 9 level Inverter & DC-Dc Converter with less switches for solar power utilities	International Journal of Engineering and Technology DOI:10.21817/ijet/2017/v9i3/170903S045, 2017
		Implementation of High Voltage Gain RS Cell- Based	IJCTA, Vol 10, No 2, pp.147-156, Anna University Annexure-

		DC-DC Converter for Offshore Wind	II Sl. No 912, ISSN 0974- 5572 , 2017.
		Optimal generation startup strategy for Blackout restoration using virtual instrumentation	Indian Journal of Public health research and Development, 8.4 (2017): 1128-1132. (SCOPUS).
		Grid Interface Bidirectional AC/DC Converter with Suitable Hysteresis-Band Current Control for Residential application	Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115, special issue -10, pp 54-60,2017
3.	Ms.J.Jayaudhaya Associate Professor	Maximum Power Optimization using Flower Pollination Algorithm under Partial Shading Condition for Solar Panel	Journal of electrical engineering, Volume 10, Number 2 ISSN: 1582-4594 ,July 2017

Papers Presented in Conferences

S.No	Name of the Faculty Members	Title	Date & Venue
1.	Dr.P.Usha Rani Professor	“Simulation and modelling of sepic converter with high static gain for renewable application” in IEEE Xplore Asian Conference on Energy, Power and Transportation Electrification (ACEPT 2017)	24/10/2017 , Singapore

STTP / FDP / Seminar, Workshop, Conference Conducted:



Dr.N.M.Jothi Sawaroopan Inaugurated Professor,RMK Engineering College the Faculty Development Training Programme on EE6504 Electrical Machines II Co-ordinated by

Dr.V.Tamil Selvi (Professor & Head),& **Ms.J.Jayaudhaya** (Associate Professor) during 01/06/17 to 07/06/17



Dr G. Balamurali AEE/ TANGEDCO Inaugurated the Faculty Development Training Programme on EE6402 –Transmission and Distribution Co-ordinated by Dr.P.Usha Rani (Professor)& Ms.R.Vanitha(Assistant Professor) during 27/11/2017 to 04/12/2017

STTP / FDP / Seminar, Workshop, Conference Attended :

S.No	Name of the Faculty Members	STTP/FDP/Seminar, Workshop, Conference Attended	Date & Venue
1.	Dr. V. Tamil Selvi Professor and Head	Workshop on “Industrial Automation by Michelin Training Academy”	10/08/2017, M/s Michelin India Tamil Nadu Tyres Pvt. Ltd., Thervoikandigai village
2.	Dr.P.Usha Rani Professor	FDP on “Design and Mitigation of issues in Microgrids”	13/11/2017 to 29/11/2017 , Easwari Engineering College
3.	Ms.J.Sumithra Associate Professor	FDTTP on “ EE6603-Power System Operation and Control”	27/11/2017 to 04/12/2017, RMK Engineering College.
4.	Mr.U.Nagabalan Assistant Professor	FDP on “ Power Electronics”	15/09/2017, KCG College of Technology
5.	Ms.R.Vanitha Assistant Professor	FDP on “Social, Mobile, Analytics and Cloud (SMAC)”	08/06/2017 , RMK Engineering College.

6.	Ms.P.Aileen Sonia Dhas Assistant Professor	FDTP on “EE6603-Power System Operation and Control”	27/11/2017 to 04/12/2017 , RMK Engineering College
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Faculty sponsored for Ph.D. / M.E. etc.:

S.No	Name of the Faculty	Specialization	University
1.	Mr.D.Rajasekaran Associate Professor	Power Electronics	Anna University,Chennai
2.	Ms.J.Sumithra Associate Professor	Power System	Anna University,Chennai
3.	Mr.S.Sayee Kumar Assistant Professor	Microcontroller Architecture	Anna University,Chennai

INDUSTRIAL VISIT / TOUR

SI. No	Year	Batch	Name and Address of the Industry	Date of Visit
Academic Year 2017-2018 (Odd Semester)				
1.	II A,B&C	2016 - 20	230kV substation, Korattur	13/07/2017, 14/07/2017, 19/07/2017
			ISRO, Sriharikota	27/07/2017
2.	III A&B	2015-19	ISRO, Sriharikota	05/07/2017
			North Chennai Thermal Power Plant, Athipet	12/07/2017 13/07/2017
3.	IV A&B	2014-18	400 KV substation, Sripurumbudur	25/07/2017 & 26/07/2017
			Vi Micro systems, Perungudi	12/08/2017 & 19/08/2017

STUDENTS ACTIVITIES :

CO-CURRICULAR ACTIVITES

Students were participated in the Workshops on various topics like IOT, Android, Advanced Robotics etc. ,Project Display, Technical Quiz, Mini Projects

S. No	Year	Name	Name of the Event	Date & Venue	Prizes won
1.	III	Abiraami H	TEK PREZ	22/09/2017 Jerusalem College of Engineering	I
			Mock Interview	22/09/2017 Jerusalem College of Engineering	III
2.	III	Balaselvie H.B	TEK PREZ	22/09/2017 Jerusalem College of Engineering	I
			Mock Interview	22/09/2017 Jerusalem College of Engineering	III
3.	III	Gayathri B	TEK PREZ	22/09/2017 Jerusalem College of Engineering	I
4.	III	Haripriya.M	Technical Quiz	T.J.S Engineering College	I
5.	IV	Nandhini D	PROJEXO	12/08/2017 Velammal Engineering College	I
6.	IV	S.Paul Ebinezer	PROJEXO	12/08/2017 Velammal Engineering College	I
			On the track	12/08/2017 Velammal Engineering College	I
7.	III	B.Karthick	PROJEXO	12/08/2017 Velammal Engineering College	I
			BIG BOSS	12/08/2017 Velammal Engineering College	I

INTERNSHIP BY STUDENTS

S.NO	Register Number	Batch	Name Of The Student	Name Of The Company	Period
1.	111516105051	2016-20	V.Logeshwaran	Innovate Engineering Solution,Chennai	01/09/2017 to 04/09/2017
2.	111516105064	2016-20	Naveen Kumar.G		01/09/2017 to 04/09/2017
3.	111516105098	2016-20	K.Sushmitha		01/09/2017 to 04/09/2017
4.	111516105102	2016-20	P.D.Swetha		01/09/2017 to 04/09/2017

GUEST LECTURES ORGANISED

S.No	Date	Name & Address of Chief Guest	Name of the Subject
1.	04/08/2017	Dr.M.Balaji, Associate Professor, SSN Engineering College, Kalavakkam	Electromagnetic Theory
2.	15/09/2017	Dr.N.P.Subramanian, AP/EEE, Pondicherry Engineering College, Puducherry	Electronic Devices and Circuits
3.	19/08/2017	Dr.S.Jeevananthan, Professor, Pondicherry Engineering College, Puducherry	Digital Logic and Circuits
4.	04/08/2017	Dr.M.Balaji, Associate Professor, SSN Engineering College, Kalavakkam	Microproceesor and Microcontroller
5.	18/08/2017	Prof.N.Sundaresan, Retd.TNEB Engineer, Chennai.	Power System Analysis
6.	19/08/2017	Dr.S.Jeevananthan, Professor, Pondicherry Engineering College, Puducherry	Power Electronics
7.	17/08/2017	Dr.M.Sudhakaran, Professor, Pondicherry Engineering College, Puducherry.	Protection and Switchgear
8.	13/09/2017	Mr.Arun, Embedded System Engineer, E-Con Systems.	Microcontroller based System Design
9.	14/09/2017	Dr.M.Balaji, Associate Professor, SSN Engineering College, Kalavakkam	Special Electrical Machines

OTHER INFORMATION:

BOOK PUBLISHED BY STAFF:

S.No	Name	Title of the book	Publisher
1.	Ms.R.Vanitha, Assistant Professor Mr.S.Sayee Kumar, Assistant Professor	Microcontroller Based System Design	A.R.S Publications,Sep 2017.

LIST OF STAFF WHO SECURED 100 % RESULT IN THE ACADEMIC YEAR 2017-18:

S.No	Name of the faculty	Designation	Department	SubjectCode / Subject Name	Semester / Year	Branch/ section
2.	Dr.P.Rangarajan	Professor	EEE	EE6010/High Voltage Direct Current Transmission	VIII/IV	EEE/B

ACHIEVEMENTS OF EEE DEPARTMENT**Dr.P.Usharani , Professor**

- ✓ Received DR.APJ ABDUL KALAM AWARD FOR SCIENTIFIC AND TEACHING EXCELLENCE - 2017.

Students Published Technical Articles in various areas like IOT,Smart Grid &Electric Vehicles.