

Newsletter

DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

June 2017- Nov 2017

The department was established in the year 1999. Initially it offered under graduate course with the strength of 60 and successfully increased to 120 during the academic year 2004-2005 and 180 in year 2011. It also offers post graduate in M.Tech-Power Electronics and Drives from the year 2011 with an approved intake of 18.

The Department of Electrical and Electronics Engineering offers under graduate in Electrical and Electronics Engineering and Post Graduate in Power Electronics and Drives with industry required syllabus. It offers professional and need based continuing education to conduct training Programmes in frontier areas of Electrical Engineering on par with consultancy and technical services to the industry.



The Department stands as a unique centre for promotion of excellence in Electrical Engineering and has been successful in fulfilling its role. The faculty members have put their tireless effort in contributing research papers to International journals like IEEE, Elsevier, and Springer etc.

Electrical and Electronics Engineering discipline is multi-disciplinary by nature, representing a veritable synergy of different technologies. To meet the challenges of the new millennium, we train our students in the areas of artificial neural networks, fuzzy logic, finite element analysis, computer aided design of electrical machines, micro-controllers and digital signal processing, generation, transmission and distribution of power, Power system operation and control, Electrical Machines, Power Electronics and their control using computer methods etc.

Vision of the institute

To be a stimulating place to learn and practice technology and to become a leading college of engineering nationally and internationally recognized for its outstanding education research and outreach programs.

Mission of the institute

M1: (Foster the Inbuilt qualities)

To foster the inbuilt qualities of the students to face the challenges of the new millennium.

M2: (Innovative Ideologies)

To provide an opportunity to explore and experiment innovative ideologies.

M3: (Potential Dexterity)

To equip our students with the vital and potential dexterity in order to flourish in the corporate and industrial sectors.

M4: (Excellence in Engineering)

To dilate as centre of relevance and excellence in engineering and technology.

Vision of the Department

“To be an effective source of technical manpower for the nation and to contribute to the growth of the nation by constantly upgrading the quality of technical education by meeting the challenging needs of the twenty first century and effectively coordinating the activities of the staff, students and the industry while keeping up the ethical and moral standards required”.

Mission of the Department

M1: (Quality education and Ethics)

To provide quality education with ethical values.

M2: (All round competitiveness)

To train and educate students with all round competitiveness.

M3: (Centre for Research studies)

To develop the department as a Centre for research studies in various Specialized areas and to strengthen the Industry-Institute Interaction.

M4: (Higher studies and Society oriented research)

To motivate the students to do higher studies and to undertake society oriented research.

M5: (Team Spirit, Leadership Quality)

To nurture the talent and to facilitate the students with Team Spirit, Leadership Quality and Flexibility in Budding Electrical Engineers that makes a positive difference to society through education.

Gold medalists



Details of Gold medal and rank holders		
Year	University Gold medal	Other Top Fifteen Rank holders
2011-15	1	2,6,7,11
2010-14	1	3,5,6,10,11,12,13,15
2009-13	1	2,4,5,6,7,9,11,12,13
2008-12	1	2,4,9,13,14,15

STUDENTS ACHIVEMENTS

ELROMA 2017

Indian Electrical & Electronics Manufacturers Association (IEEMA) Rotating Machines Division conducts "ELROMA", an International Technical Conference on electrical rotating machines in the quadrennial event. This year on 14th & 15th September an International conference on Emerging Trends in Electrical Rotating Machines & Drives (ELROMA) is being organized by IEEMA at Mumbai. In this global assembly, eminent persons from various industrial sectors believed to explore their ideas & views on innovations & trends in the field of Rotating Machines and Drives.

Numerous abstracts from various organizations on par of national & international had been cumulated. Out of that 57 shortlisted abstracts, 34 are selected for conference in which the technical experts from various countries like Canada, Germany & Korea contributed 5, Industrial experts from BHEL, ABB, NPCIL etc from all over nation contributed 21 and 8 abstracts belongs to the academic institutes like IIT Madras, IIT Patna, IIT Roorkee and Sri Manakula Vinayagar Engineering College.

ELROMA 2017



Two Teams from Third Year EEE of Sri Manakula Vinayagar Engineering College having Memento with Technical Committee Members during the event ELROMA -17 on 14th & 15th September at Mumbai.

The meritorious work on *“Noise Reduction in Salient Pole Synchronous Reluctance Motors Using ANSOFT Maxwell”* and *“Modeling & Electromagnetic Analysis of Reduced Stator Side Linear Induction Motor”* done by the team members K.Sivasubramaniyan, K.Gowtham, K.Vimalraj, V.Praveen & M.Govardhanan under the guidance of Mr.K.Arun Assistant Professor and H.Jagadeesh, P.Anandhageedhan, R.Ajith Kumar, S.Anandh & K.Iyyanar under the guidance of Mr.C.Adrien Perianayagam Assistant Professor for the laterals are from the Department of Electrical & Electronics Engineering Pre final year students of Sri Manakula Vinayagar Engineering College, Puducherry. They are the only student team from South Indian private colleges to present papers at this international conference.

The maiden team was honored with a memento by the Technical Committee Member Dr.K.K.Puranik Electrical Engineering AISSMS Institute of Information Technology Pune & lateral team was honored by the Technical Committee Member Dr.R.S. Barve Independent Consultant.

Eventually both the teams were felicitated by the College Chairman Shri M.Dhanasekaran, Vice Chairman Shri S.V.Sugumaran, Secretary Dr.K.Narayanaswamy, Director cum Principal Dr.V.S.K Venkatachalapathy, Head of the Department, Dr.S.Anbumalar and the faculty members of the Department of Electrical and Electronics Engineering.

India Innovation Challenge Design Contest 2016 - IICDC 2016



Texas Instruments in collaboration with the Department of Science and Technology (DST), New Delhi, has organized “**India Innovation Challenge Design Contest 2016 – IICDC 2016**”, anchored by NSCREL and Indian Institute of Management (IIM), Bangalore and supported by Government of India (MyGov). This contest is for the students from engineering colleges in India who have a dream to create something new, aspire to make a difference and contribute to India’s success towards becoming an **innovation hub**.

In IICDC-2016 project competition, more than 11,000 students from 624 colleges have participated from all over India including the students from IIT, NIT, IISC and other topmost colleges. The students from the Department of Electrical and Electronics Engineering, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry have submitted 30 innovative project proposals for this project competition.

For quarterfinal round, 428 teams were shortlisted out of which 8 teams were from Department of EEE, SMVEC. An approximately Rs. 80,000 worth of components have been sponsored by Texas instruments for those shortlisted batches to develop a prototype. The semifinal round was held at IIM, Bangalore on 15th April 2017 and 60 teams were shortlisted out of which one team was from Sri Manakula Vinayagar Engineering College. Finally, 30 teams were shortlisted for the final round of India innovation Challenge Design Contest which included one team from Sri Manakula Vinayagar Engineering College, EEE.

India Innovation Challenge Design Contest 2016 - IICDC 2016

The final round for this grand event was held on July 22, 2017 at IIM, Bangalore. In this event, out of those 11,000 students from 624 colleges, 18 teams from all over India including the students from IIT, NIT, etc, have been shortlisted through several rounds.

A student team with members Mr. Megavaruman, Mr. Mohamed Riaz from department of electrical and electronics engineering and Mr. Rosheth from Electronics and communication engineering from Sri Manakula Vinayagar Engineering College had participated in the final round of IICDC 2016. They have done and exhibited a project titled as **'Automated organic manure production'** under the guidance of Dr. S. Anbumalar, Professor and Head/EEE, SMVEC. They had travelled the full journey of IICDC 2016 and successfully ended up as 4th best innovation in India.



They received a cash prize of Rs.25,000/- for being shortlisted as semi-finalist. Also received a product development fund of Rs.5,00,000/- from Department of science & technology for developing their prototype as product. Following this, they had also received a cash prize of Rs.50,000/- for being shortlisted as finalist and an incubation at N.S Raghavan Centre for Entrepreneurial Learning, Indian Institute of Management (IIM), Bangalore for a period of one year. In addition to that, a SEED fund of Rs.20,00,000/- will be provided for the development of their start-up.

MSME Project fund grant from MSME, Iisc Bangalore.

- Received Rs.1.5 Lakhs Financial support from MSME-Centre of Excellence, Indian Institute of Science, Bangalore Centre, Under the 'Design Clinic Scheme' of the Ministry of MSME, Government of India for the Project entitled 'Semi-Automated Adjustable Boarding System in buses for senior citizen'

ICT Academy Youth Talk 2017



Ms. Annapurana Ramakrishnan, from the Electrical and Electronics department won the State's second Position in ICT Youth Talk 2017 by delivering a courageous speech on "WOMEN EMPOWERMENT" conducted by the ICT academy held at PEC, Puducherry on 11-09-2017 and was awarded with a trophy and a Tab worth Rs.7999/- from the honourable Chief Minister of Puducherry.

Puducherry has produced many such leaders over the ages, of whom, the executive of corporate, Somasegar of Madrona Venture Group, Seattle and Navi Radjou, Leadership Advisor, Silicon Valley are the names that emerged from the state of Puducherry.

On this trail, ICT Academy, to evolve leadership among college students in the form of highly effective and inspiring talks organizes "ICT Academy Youth Talk Puducherry".

ICT Academy Youth

Talk Puducherry encourages students from all disciplines to deliver short talk midst their peers, the inspiring ideas, and thoughts that change lives, attitudes etc. The talk can be on Technology, Engineering, Science, Future world, National & International Issues (non-political), Innovation, Entrepreneurship, Business, Management, Media, Entertainment, and on any other topic that contributes to the transformation.

This initiative identifies young, powerful communicators who can communicate their thoughts to inspire the peers and the youth community.



Placement details



Mr.S.Selvakumar and Mr.U.Mohan Raj received offer letter during JUBILATION 2017

Placed details- Batch (2014-2018)

Sl. No	COMPANY NAME	No. of STUDENTS PLACED	CAMPUS	SALARY PACKAGE
1	INFOVIEW TECHNOLOGIES	1	OFF CAMPUS	Rs.6,50,000 p.a
2	KAAR TECHNOLOGIES	1	ON CAMPUS	Rs.5,00,000 p.a
3	ASPIRE SYSTEM	2	ON CAMPUS	Rs.4,50,000 p.a
4	TCS	36	ON CAMPUS	Rs.3,36,875 p.a
5	SUTHERLAND (VOICE)	10	ON CAMPUS	Rs.1,80,000 p.a
	Total	50		



Offer letter received from HR, Aspire system

Industrial Visits

Sl. No.	Industry visited	Date	Year/Sem/Sec/Batch
1	Kerala Electrical & Allied Engineering Co. Ltd.	30.09.2017 to 30.09.2017	III/IV/A&B/2015-2019
2	Sri Ramakrishna Transformer	21.7.2017	II/IV/A/2016-2020
3	Sri Ramakrishna Transformer	20.7.2017	II/IV/B/2016-2020



Industrial visit to Kerala Electrical & Allied Engineering Co. Ltd. (Government of Kerala undertaking) by III year Students (Both A & B) Sec on 30.9.17.



Industrial visit to TRACO cables Co. Ltd. (A Kerala Govt. Company) by III year Students (Both A & B) Sec on 30.9.17
Manufacturing high quality Electric Cables and Wires.

Industrial Visits



Industrial visit to Sri Ramakrishna Transformers
by II year Students (Both A & B) Sec on 20.9.17 & 21.9.17

Guest Lecture

Sl. No	Name of the Organization	Type of work carried out
1	BGR energy system limited, Chennai.	Mr.S.Anand, Instrumentation engineer, had given a guest lecture on Process control of Thermal power plant on 11.2.2017.
2	Raja Electronics Institute, Manjakuppam, Cuddalore	Mr.Raja had provided a hands on training on testing of electronics devices and equipments like laptop, TV, radio.
3	TCIL, Lawspet, Pondicherry	Mr.Hari had given 3 days training on automation software PLC and SCADA
4	Pantech ProEd Private Limited, Chennai	Mr.Gokul had given a guest lecture on Embedded systems



Mr.S.M.Amuthan, Deputy General Manager-Operations (DGM) Chennai Metro Rail Ltd, delivered the guest lecture to the students on ” **Electric Traction Drive System.** “



Mr.T.Prabhakaran, Engineering Officer (Grade-II), Central Power Research Institute(CPRI), Bhopal delivered the guest lecture to the III year students on “TYPE TEST OF TRANSFORMERS” on 01.07.2017

Value Added Courses

Sl. No	Year	Name of the course	Institution Name	Schedule	Remarks
1	III/A/ 2014-2018	PLC & SCADA	TCIL, Lawspet, Pondicherry	18.07.2016 to 20.07.2016	Automation Control system Logical programming
	III/B/ 2014-2018			21.07.2016 to 23.07.2016	
2	II/A/ 2015-2019	Testing of Electronics Devices and hardware	Raja Elec- tronics, Cuddalore	13.07.2016	Testing of electron- ics devices, servic- ing of Laptop,TV, etc.
	II/B/ 2015-2019			14.07.2016	
	III/A/ 2014-2018			15.07.2016	
	III/B/ 2014-2018			16.07.2016	



One day workshop for Servicing of Electrical apparatus conducted by Mr.Siva , Electrician, Mettupalayam for the II year and III year students on 1st July 2017. Objective of the workshop is to train the student in Hardware troubleshooting , problem identification and servicing methodologies for Fan , Mixie, Iron box , Water pump etc.



Eight days mobile phone servicing course has been conducted to the final year students - Software and hardware testing and troubleshooting in Mobile phones by TCIL –IT Puducherry.
28.06.2017 to 05.07.2017

Value Added Courses



A value added course has been conducted for the III year students in CREO and SOLID WORKS software for 5 days (11.09.2017 to 15.09.2017)
by Design Destination

BEST PROJECT -Final year Academic project

BEST PROJECT (2016-17)				
Sl. No.	Student Name	Title of the Project	Place	Amount in Rs.
1	Janagaraj Ganapathy.R Prashanth.U Rajesh.M Robert.L	Centralized monitoring of OLTC transformer	I	Rs.5,000
2	Bhuvanesh.S Krishnadevan.B Buwaneshwar.M Partheeban .V	Self Monitoring Automated Route Trash (SMART) Dustbin	II	Rs.3,000
3	Karthikeyan.S Manikandan.A Sreenath.M Ranjith Kumar.S Rohan .J	Cybernetic e-vehicle for campus transportation	III	Rs.2,000

Co-Curricular & Extra-curricular events

SL. NO	NAME OF THE STUDENT	YEAR / SEM/ SEC	NAME OF THE EVENT IN WHICH HE/SHE PARTICIPATED	DATE OF EVENT	NAME OF ORGANIZING INSTITUTION	POSITION/ PRIZE, IF ANY RECEIVED
1	M.MUGUNDHAN R.ARUNKUMAR A.KRISHNA C.LOKKESH	IV/VIII/ B	ELROMA JOURNAL	10.12.2017	IEEMA	PUBLISHED IN JOURNAL
2	K.SIVASUBRAMANIYA N, K.GOWTHAM, K.VIMALRAJ, V.PRAVEEN & M.GOVARDHANAN	III/V/B	ELROMA-PAPER PRESENTATION	15.09.2017	IEEMA	PRESENTED & PUBLISHED IN JOURNAL
3	H.JAGADEESH, P.ANANDHAGEEDHAN, R.AJITH KUMAR, S.ANANDH & K.IYYANAR	III/V/B	ELROMA-PAPER PRESENTATION	15.09.2017	IEEMA	PRESENTED & PUBLISHED IN JOURNAL
4	R.ANNAPURANA	II/III/B	PAPER PRESENTATION - ELECTERA 2017	15.09.2017	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE.	PRESENTATION
5	P.TAMILSELVI S.SANDIYA	II/III/B	PAPER PRESENTATION - ELECTERA 2017	15.09.2017	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE.	PRESENTATION
6	B.AGILAVATHY N.KAARUNYA	II/III/B	PAPER PRESENTATION – VERSIO-2K17	22.09.2017	SRM – RAMAPURAM CAMPUS	PRESENTATION
7	S.ARCHANA	II/III/B	PAPER PRESENTATION – VERSIO-2K17	22.09.2017	SRM – RAMAPURAM CAMPUS	PAPER PRESENTATION – VERSIO-2K17
8	L.R.RAVINDRANATH S.ABILASHVARAN G.PRAVEEN R.ARAVIND	II/IV/B	INDIA INNOVATION CHALLENGE –DESIGN CONTEST	15.11.2017	TEXAS INSTRUMENTS + IIM BANGALORE	SHORTLISTED FOR PHASE-2
9	F.MOHAMED RIAZ P.MEGAVARUMAN MOHAMED HUSSIAN V.POVINESHWARAN	III/VI/ A&B	INDIA INNOVATION CHALLENGE –DESIGN CONTEST	15.11.2017	TEXAS INSTRUMENTS + IIM BANGALORE	SHORTLISTED FOR PHASE-2
10	N.KARPAGAM P.VISHALI V.KAVITHA C.PREMI	II/IV/A	INDIA INNOVATION CHALLENGE –DESIGN CONTEST	15.11.2017	TEXAS INSTRUMENTS + IIM BANGALORE	SHORTLISTED FOR PHASE-2
11	P.ARAVINDH S.MAGESH BABU T.PRAVEEN KUMAR P.KARTHIK K.RAMACHANDIRAN	III/VI/A &B	INDIA INNOVATION CHALLENGE –DESIGN CONTEST	15.11.2017	TEXAS INSTRUMENTS + IIM BANGALORE	SHORTLISTED FOR PHASE-2

Co-Curricular & Extra-curricular events

SL. NO	NAME OF THE STUDENT	YEAR / SEM/ SEC	NAME OF THE EVENT IN WHICH HE/SHE PARTICIPATED	DATE OF EVENT	NAME OF ORGANIZING INSTITUTION	POSITION/ PRIZE, IF ANY RECEIVED
12	N.DEVARAJA K.RAMACHANDIRAN V.POUVINESHWARAN	III/VI/B	TECHGIUM-17	20.12.2017	L&T , CHENNAI	SHORTLISTED FOR PRESENTATION
13	S.CHANDRAMOULEE U.NIRMAL KUMAR V.CANAGA SUNDAR R.RAJ KUMAR	IV/VIII/ A	TECHGIUM-17	20.12.2017	L&T , CHENNAI	SHORTLISTED FOR PRESENTATION
14	R.BARATHRAJ S.ARAVIND	III/VI/A	TECHGIUM-17	20.12.2017	L&T , CHENNAI	SHORTLISTED FOR PRESENTATION
15	RR.BARATHRAJ S.ARAVIND	III/VI/A	TECHGIUM-17	20.12.2017	L&T , CHENNAI	SHORTLISTED FOR PRESENTATION
16	J.GOWTHAM	IV/VIII/ A	TECHGIUM-17	20.12.2017	L&T , CHENNAI	SHORTLISTED FOR PRESENTATION
17	G.PRAVEEN V.DHARMEASH R.ANNAPURANA	II/IV/B	MESHMARIZE-ROBOTICS	29.12.2017	IIT , MUMBAI	ROBOTICS- PARTICIPATION
18	P.ARAVINDH R.KARTHIK S.MAGESH BABU	III/V/A	MAKE IN INDIA PAPER PRESENTATION	11.08.2017	CHENNAI INTERNATIONAL YOUTH FEST	FIRST PLACE
19	R.ARAVIND V.DHARMEASH	II/III/B	QUIZ COMPETITION	28.08.2017	ST.XAVIER COLLEGE PALAYAMKOTTAI	WON 2 PENDRIVES & BOOKS AS MOMENTO
20	R.ANNAPURANA	II/III/B	YOUTH TALK	11.09.2017	ICT ACT ACADEMY	2 ND PRIZE
21	S.KARTHIK	II/A	TECHEXPO	01.09.2017	IIT, GUWAHATI	PARTICIPATION
22	K.ARISHA	II/A	TECHEXPO	01.09.2017	IIT, GUWAHATI	PARTICIPATION
23	R.ARAVIND	II/III/B	QUIZ COMPETITION	15.09.2017	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE.	RS.500/-
			CODING			RS.500/-
			MOCK INTERVIEW			RS.500/-

NEWS LETTER

{JUNE 2017-Nov 2018}

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