



DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

The department of electrical and electronics engineering is intended to establish a proficient hub for producing a highly competent electrical engineers by imparting effective teaching learning process to meet the rapidly transforming technical scenario.

MISSION

- ✓ To engender outstanding electrical technocrats for industry demand by research and industry collaboration.
- ✓ To train the students with interpersonal communication, ethical teamwork and time management.
- ✓ To equip the students with technical knowledge in critical problem solving and analytical skills.

DEPARTMENT AT A GLANCE

- Number of Faculty :14
- Number of Faculty with Ph.D. :02
- Number of Faculty pursuing Ph.D. :02
- Total Number of Students :217

HOD PROFILE



Dr.S.Rajendran, Professor & Head, Department of Electrical and Electronics Engineering has got 13 years of teaching experience in various technical fields, in which he served as a Lecturer in MAHSA University, Malaysia for 2 years.

- ✓ He received Bachelor degree in Electrical and Electronics Engineering from Government College of Technology, Coimbatore in 2001 and ME degree in Power Electronics and Drives from Anna University Chennai in 2007.

- ✓ He has obtained his PhD degree in Anna University in 2014, India.
- ✓ He has published papers in 5 International Journals and 6 International & National Conferences.
- ✓ He is a active Reviewer in Brazilian Archives of Biology and Technology, BRAZIL and AMER Scientific Publishers, United States.
- ✓ He is a life member of Indian Society for Technical Education (ISTE) & International Association of Engineers (IAENG) Hong Kong. His field of interest is Power electronics applications in renewable energy sources

FACULTY TEAM

- Dr.S.Rajendran, M.E., Ph.D., Prof & Head
- Dr.P.Selvakumar, M.E., Ph.D., Assoc.Prof
- Mr.T.Hariharan, M.E., (Ph.D.), Sr.Asst.Prof
- Mr.G.Subramaniam, M.E., Asst.Prof
- Mr.R.Saravanan, M.E., Asst.Prof
- Mr.R.Perumal, M.E., Asst.Prof
- Mr.B.Sathyaseelan, M.E., Asst.Prof
- Mr.R.Manikandan, M.E., Asst.Prof
- Mr.R.Vijayakumar, M.E., Asst.Prof
- Mr.M.Muthukumar, M.E., Asst.Prof
- Mr.M.Rajasekar, M.E., Asst.Prof
- Mr.P.Saravanakumar, M.E., Asst.Prof
- Mr.V.Prakash, M.E., Asst.Prof
- Ms.A.Sulthana, M.E., Asst.Prof

DEPARTMENT LABS

- Electrical Machines – I & II Lab
- Control & Instrumentation Lab
- Power Electronics & Drives Lab
- Electrical simulation Lab
- Electric Circuits Lab
- Engineering Workshop
- LED Luminaries Fabrication & Testing Lab

FACULTY PUBLICATION

- National conference – 03
- International journal – 04

PROGRAMMES ORGANIZED

- ✓ One day Guest Lecture on the topic “Power Systems Analysis” by Dr.M.P.Selvan, Assistant professor/EEE NIT,Trichy, on 23.5.2016.



- ✓ One day guest lecture on the topic “Power Systems Analysis” by Dr.S.Senthilkumar, Asst professor/EEE GCE,Salem, on 24.5.2016.
- ✓ One day team teaching program on the topic “Microprocessor and Microcontroller” for the 3rd year EEE students by Dr.P.Selvakumar, Asso.prof/EEE, Mr.R.Vijayakumar, AP/EEE, DGCT/salem, on 20.08.2016.



- ✓ One day Guest Lecture on the topic “Control System” by Dr.C.Govindaraj, Asst/EEE, GCE/Salem, on 3.9.2016



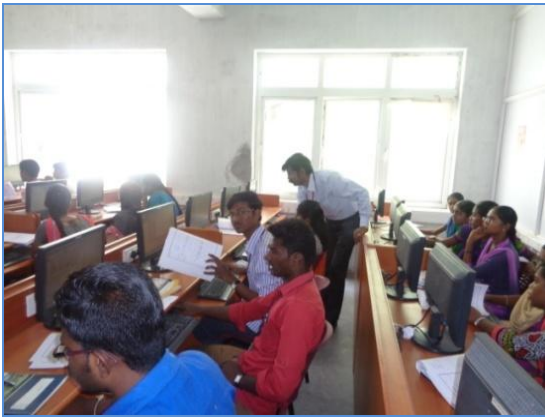
- ✓ Two days Internal guest lecture on the topic “Control System” by Mr.B.Sathyaseelan, AP/EEE, DGCT/Salem, from 1.9.2016 to 2.9.16
- ✓ One day Guest Lecture on the topic “Microprocessor and Microcontroller” by Dr.J.S.Christy ManoRaj, AP/EEE, GCE/Salem, on 3.9.2016



- ✓ Department of Electrical and Electronics Engineering celebrated the Engineers Day with the chief guest Mr.G.Venkatesh, Phoenix Power Electricals Pvt Ltd. Salem & Mr.V.Hariharan, G5 Switchgears Pvt Ltd.Salem on 10.09.2016.



- ✓ One day Guest Lecture on the topic “Digital logic circuits” by Mr.Anguraj, AP/EEE, GCE/Salem, on 24.10.2016
- ✓ One day Internal Guest Lecture on the topic “Feedback Amplifiers and Oscillators” by Mr.Vetriselvan, AP/ECE, DGCT/salem, on 15.10.2016
- ✓ One day Internal Guest Lecture on the topic “Electronic Devices and Circuits” by Mr.Vetriselvan, AP/ECE, DGCT/salem, on 15.10.2016
- ✓ Two days value added program for 2nd year EEE students on the topic “Arduino Programming with Matlab” by Mr.R.Manikandan, Mr.G.Subramaniam, AP/EEE.



- ✓ Two days Internal guest lecture on the topic “Digital logic circuits” by Mr.Vetriselvan, AP/ECE, DGCT/salem, from 18.10.2016 to 19.10.2016

PROGRAMMES ATTENDED BY FACULTY

- ✓ Mr.R.Maniandan AP/EEE attended the one day workshop on the topic “Total Quality Management” CII organized with JSW on 11.06.2016
- ✓ Dr.P.Selvakumar, Asso.prof, attended the Indo-Universal Collaboration for Engineering Education (IUCEE) online course on “Publishing and Reviewing Papers in Engineering Education” from 7.06.16 to 26.07.16
- ✓ Mr.G.Subramaniam, Mr.B.Sathyaseelan and Mr.R.Saravanan Asst. Prof attended the Seven Days Anna university sponsored FDP on

“control system” organized by M.Kumarasamy college of technology from 13.06.2016 to 19.06.2016



- ✓ Dr.P.Selvakumar,Asso.prof.,Mr.R.Manikandan, Mr.R.Vijayakumar,Mr.S.Shanmugapriyan,Mr.M.Muthukumar,Mr.M.Rajasekar,,Mr.P.Saravanakumar,Mr.V.Prakash,Ms.A.Sulthana, Asst. Prof attended the Three Days FDP on “Demystifying of electronic system level design and engineering” organized by competency in ICET, pedagogy solutions Engineering, Bangalore from 16.06.2016 to 18.06.2016
- ✓ Mr.G.Subramaniam Asst. Prof attended the One Day “ARM design contest” as mentor at PEZ university, Bangalore on 11.09.2016
- ✓ Mr.R.Saravanan, AP/EEE attended the one day “PALS Trichy Cluster Launch” organized by NIT, Trichy on 24.09.2016
- ✓ Mr.G.subramaniam, AP/EEE attended the one day “Mentoring Workshop ” organized by IIT – PALS, Chennai on 03.10.2016
- ✓ Mr.B.Sathyaseelan, Mr.R.Maniandan AP/EEE attended the one day programme on “NI day 2016 ” organized by National Instruments, Bengaluru on 19.10.2016
- ✓ Mr.R.Maniandan AP/EEE attended the one day Orientation programme on “Implementation of PMKVY” organized by National Skill Development Corporation, BIT Trichy on 05.11.2016
- ✓ Mr.G.subramaniam, AP/EEE attended the Three days FDP on “Innovation and Entrepreneurship Development in Higher Educational Institutions” organized by Entrepreneurship Development Institute, Chennai, from 10.11.2016 to 12.11.2016



- ✓ Dr.S.Rajendran, Prof and Head & Mr.R.Manikandan, AP/EEE attended the Five days QIP Short term course on “Pulse Width Modulation Technique For Voltage Source Inverters” organized by IISc Bengaluru from 21.11.2016 to 25.11.2016
- ✓ Mr.T.Hariharan, SAP/EEE visited the IITM – Electrical Engineering Department Lab, organized by PALS – IIT Madars on 10.11.2016
- ✓ Mr.P.Saravanakumar, AP/EEE attended Seven Days Faculty Development Programme on “Power System Operation and Control” organized by Anna University, Chennai from 23.11.2016 to 29.11.2016.
- ✓ Dr.P.Selvakumar, Asso.prof, Mr.S.ShanmugaPriyan, Mr.G.Subramaniam, Mr.R.Saravanan, Mr.B.Sathyaseelan, Mr.R. Vijayakumar, Mr.M.Muthukumar, Mr.P.Saravanakumar, Mr.M.Rajasekar, Mr.V.P rakash, Ms.A.Sulthana Asst. Prof, went One Day Industrial visit to “INDIA CEMENTS LIMITED”, Sankari organized by Dhirajlal Gandhi College of Technology on 08.06.2016



- ✓ Dr.S.Rajendran, Prof and Head, Mr.T.Hariharan, SAP/EEE went One Day Industrial visit to “JVSElectronics”, Bangalore organized by

Dhirajlal Gandhi College of Technology on 10.06.2016

- ✓ Mr.G.Subramaniam, Mr.B.Sathyaseelan and Mr.R.Saravanan Asst. Prof went one day industrial visit to “EID Parry Sugar Factory”, Karur on 18.06.2016



- ✓ Dr.P.Selvakumar, Asso.prof went One Day Industrial visit to “Saint Gobain India Pvt Ltd”, Chennai organized by Dhirajlal Gandhi College of Technology on 20.10.2016
- ✓ EEE & ECE departments are going to planned to visit the “United Telecom Limited” on 1st week of December 2016

ASSOCIATION ACTIVITIES

- ✓ The Department of Electrical and Electronics Engineering Students Association Society of Creative Young and Powerful Electrical Engineers (SCYPEE) was inaugurated by the Chief Guest Mr. Arvind Govindraj, Regional Manager, UTL Technologies Ltd., Bangalore on 18.07.2016



- ✓ The Department of Electrical and Electronics Engineering signed the **MoU with UTL Technologies, Bangalore** on 18.07.2016 (Industry Identified by Dr.P.Selvakumar, ASP/EEE)



- ✓ The Department of Electrical and Electronics Engineering conducted the National level technical symposium **“REINCAZ’16”** under the association activity on 27.08.2016



- ✓ The Department of Electrical and Electronics Engineering conducted the workshop on the topic **“MATLAB & ARDUINO INTERFACE”** under the association activity on 27.08.2016.



STUDENTS' IN-PLANT TRAINING

In the beginning of academic year 2016-17 (ODD), totally 44 students were sent to various industries for gaining the industrial oriented learning in and around Tamil Nadu and share their experiences to their friends.



These are the few photos taken when the students went to various industries. The details of industries and the students who visited are listed in the table

List of students attended in-plant training

S.No	Name of the Industry	No. of students undergone	Date
1.	Alfa Switchgear Pvt. Ltd, Erode	<u>III Year EEE</u> V.Sandhiya G.Sathiya R.Shankari A.K.Sowmya R.Subadharsini	20.06.16 to 22.06.16
2.	Raana Semiconductors Pvt. Ltd, Hosur	<u>III Year EEE</u> M.Ajith K.K.Dhayalan S.Dineshkumar S.Gowtham M.Madhan Kumar M.Manikandan V.Sadhasivam S.Saravana Kumar S.R.Viknesh	23.06.16 to 25.06.16
3.	Rank Battery, Salem	<u>III Year EEE</u> M.Balaji T.Deva J.Jamir Ahamathu B.Kabilarmani G.Jaisurya	23.06.16 to 25.06.16
		<u>III Year EEE</u> P.Pradeep S.Gowtham V.Sadhasivam A.R.Srinivasan P.Venkattappan S.R.Viknesh	27.06.16 to 29.06.16
		<u>III Year EEE</u> N.Gowtham M.Gowtham V.Lalith Kumar M.Manikandan S.R.Mohan Kumar S.Saravana Kumar	30.06.16 to 01.07.16
4.	Salem Steel Plant, salem	<u>III Year EEE</u> M.Devaraj P.Kirupanantham J.Lokeshkumar M.Kalaiyarasan	24.06.16 to 01.07.16
5.	The Tamilnadu Co-operative Textile Processing Mills Ltd., Erode	<u>III Year EEE</u> A.R.Srinivasan T.Deva P.Venkattappan S.R.Viknesh	30.06.16 to 02.07.16

STUDENTS' PROJECTS/MODELS

- The department of EEE celebrates the Engineer's Day on 10.09.2016, on that day the students of EEE displayed their projects and models what they have done.
- Projects displayed -30
- Models displayed - 10

List of project winners

Prize	Title of the Project/ Guided by	Name of the student	Year /sec
1 st prize	Hybrid smart Electric Vehicle/ Mr.R.Manikandan, AP/EEE	A.Elavarasan G.Arul K.Jaya Kumar G.Jaya Surya	III/A
2 nd prize	Arduino based unmanned vehicle/ Mr.G.Subramaniam, AP/EEE	S.Ansar M.Asif K.JohnManikandan A.Ajay Prasanna	II/A
3 rd prize	Home Appliance Kit/ Mr.M.Rajasekar, AP/EEE	M.Chindhanaiselvan S.Boobal R.Janarthannan S.Gowthamen	II/A
3 rd prize	Home Appliance control using mobile phone/ Dr.P.Selva Kumar, ASP/EEE	M.Gowtham N.Gowtham R.Murali M.Gopalakrishnan	III/A



Lightning kuthu vizhaku- Engineer's day



Hybrid smart Electric Vehicle

List of model winners

Prize	Title of the model/ Guided by	Name of the student	Year /sec
1 st prize	Electrical power generation Transmission & Distribution/ Mr.P.Saravanakumar, AP/EEE	S.Mothilalnehru S.VinothKumar B.Pavithra M.Naveenkumar	III/A/ B
2 nd prize	Ocean Thermal Energy Conversion / Mr.M.Rajasekar, AP/EEE	S.Nanthakumar R.Premnath S.Manikandan S.Mohamed Shafiyulakhan	II/B
3 rd prize	Featured Traffic System / Mr.M.Rajasekar, AP/EEE	S.Ansar M.Asif A.Ajay Prasanna K.John Manikandan	II/A



Model - Electrical power generation Transmission & Distribution

CO-CURRICULAR ACHIEVEMENTS

In the academic year 2016-17 (*ODD*), totally 67 students were participated in various events held at reputed institutions in & around Tamilnadu. Among them 05 students won prizes.

List of achievements(co-curricular)

S.No	Name of the student	Name of the Institution	Event/ Date	Awards
1	<u>III EEE B</u> B.Priyadharshni S.Vigneshwari R.Monisha	K.S.R. College of Engineering, Namakkal	National Level Technical Symposium - paper presentation/ 02.09.16	1 st prize
2	<u>III EEE B</u> R.Shankari G.Sathiya	K.S.R. College of Engineering, Namakkal	National Level Technical Symposium - paper presentation/ 02.09.16	2 nd prize



The students of III year EEE participate and won the prize for paper presentation held at K.S.R. College of Engineering, Namakkal on 02/09/2016.

SPORTS ACHIEVEMENT

In the academic year 2016-17 (*ODD*), students of EEE department participated in various sports events held at reputed institutions in & around Tamil Nadu. Among them 02 students won prizes.

List of Sports winners

S. No	Name of the student	Organized by/ Institution at	Event	Awards
1	S.Sathish/ III EEE B	Anna university/ Annapoorana Engineering college	zonal level volleyball tournament	1 st prize
	E.Kaviyarasan/ II EEE A			

ACADEMIC TOPPERS

S. No	Year	Section	Name of the student	CGPA
1.	III	A	KAVYA.M	8.31
		B	PRIYADHARSHINI.J	8.08
		A	GOWTHAM.N	7.90
2.	II	B	SARANYA.P.B	8.58
		A	KOMALADEVL.S	8.45
		B	NIVETHA.M	8.38

STUDENT PUBLICATIONS (WORKSHOP/ PROJECT/PAPER PRESENTATION)

In the academic year 2016-17 (*ODD*), totally 67 students were participated in various events held at reputed institutions in & around Tamilnadu. Among them 05 students won prizes.

S.No	Name of the student	Name of the Institution	Event/ Date	Awards
1.	S.DharshiniS. Anees fathima R.Dhipshikaa K.Gokul S.Ansar P.Dhanasekar JohnManikandan P.ElanthamilSelvan A.Ajay Prasanna P.Daniel k.Cornelius M.Asif S.Koperundevi	Coimbatore Institute of Technology, Coimbatore	workshop	participated
2.	A.Jayasurya D.Kathirvel	The Kavery Engineering College, Salem	National Conference-Paper presentation	Presented
3.	S.Gowtham K.Jayakumar M.Madhan Kumar M.Manikandan k.Dhayalan	vellammal Institute of Technology, Chennai	National Level Technical Symposium-project expo	presented
4.	V.Sandhiya A.K.Sowmya	K.S.R. College of Engineering, Namakkal	National Level Technical Symposium- paper presentation	participated
	B.Priyadharshni S.Vigneshwari R.Monisha			1 st prize
	R.Shankari G.Sathiya			2 nd prize

	B.S.Parthasarathy B.Priyadharshni M.priyadharshini S.Ramya		National Level Technical Symposium- project expo	participated
5.	J.Rajeshkumar K.prabhakaran S.R.Naagarjunaa S.Manikandan N.Srisharsanan	Adhiyamaan college of Engineering, Hosur	National Level Technical Symposium- paper presentation	participated
6.	R.Monisha M.Madhankumar G.gopalakrishnan	Knowledge Institute of Technology,Salem	National Level Technical Symposium- project expo	participated
7.	28 no. of students from II- EEE	Dhirajlal Gandhi Collge of Technology, Salem	Engineering Education for Multi faced Engineers	participated
8.	F.Agnes Deepa, II – EEE - A	Mahendra Engineering College, salem	ICTACT YOUTH PRESENT(FINAL)	Participated
9.	F.Agnes Deepa, II – EEE - A	Mahendra Engineering College, salem	ICTACT YOUTH PRESENT (Pre - Final)	Selected

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✓ F.Agnes Deepa II EEE A
✓ K.Prabhakaran II EEE B

THANK YOU