

Newsletter

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

Dec 2017-April 2018

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 the year 2011. It also offers post graduate course 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 course in Electrical and Electronics Engineering and Post Graduate course in M.Tech-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 in this end of rocketing technologies. The faculty members have the tireless effort in contributing research papers to International journals like IEEE, Elsevier and Springer etc.

Electrical and Electronics Engineering 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

Texas Instruments in collaboration with 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 students from Indian engineering colleges 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-2017 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 top most colleges. The students from the department of Electrical and Electronics Engineering, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry, have submitted 42 innovative project proposals for this project competition.

For quarterfinal round, 428 teams were shortlisted out of which 4 teams were from the Department of EEE, SMVEC. An approximate amount of Rs.80,000 worth components have been sponsored by Texas instruments for those shortlisted batches to develop their prototype.

India Innovation Challenge Design Contest 2017 - IICDC 2017

.Four teams were shortlisted from the 42 teams and the team members are:

Team members	Project Title	Year
Aravindh.P Praveen Kumar.T Magesh Babu.S Karthik.R Ramachandiran.K	AMON DOMESTIC POWER GENERATOR	III
Megavaruman .P, Mohammed Riyaz, Mohammed Hussain, Mohan Bhabu K, Pouvineshwaran .	PYROTECHNIQUES	III
L.R. Ravindhranath Abilashvaran .S Lokesh.M S.Aravindh	IONIC MOVEMENT BASED DESALINATOR	II
Vaishali.P Kavitha.V Karpagam.N Premi.C	AUTOMATION OF DEFLOSSATION OF COCOON	II

These teams were shortlisted for next level and they submitted a video presentation . It is been evaluated by Texas instrumentation and IIM Bangalore. The shortlisted team results are yet to be published . The selected team will be asked to submit their prototypes for displaying in IIM Bangalore . Last year one team was shortlisted for the finals and got the fourth place and were offered a fund of 2,00,000 for developing the project and distribute in market

This year , these four teams were offered materials of worth 80,000 required to develop the proto-

Students Achievements

GANDHIAN YOUNG TECHNOLOGICAL INNOVATION CONTEST-2017

GANDHIAN YOUNG TECHNOLOGICAL INNOVATION (GYTI) Awards celebrates the spirit of student innovation in all the fields of engineering, science, technology and design through extremely affordable/frugal solution or the ones pushing the technological edge. These could deal for example, with a) communities at grassroots, b) co-creation with grassroots innovators, c) manufacturable technologies for saving or generating energy, sanitation, water purification, saving material consumption, d) biotechnology and medical devices, e) diagnostics, f) assistive devices for physically challenged, and all others areas of social and industrial applications. One can submit more than one application in hard-core manufacturing areas, including but not restricted to aerospace, transportation, construction, textile, electronics, Nano-technologies, computer science applications etc.



Our EEE Department students L R Ravindranath, M. Logesh, S.Abilashvaran, S.Aravindh got selected for GYTI Awards-2018

SRISTI (Society for Research and Initiatives for Sustainable Technologies and Institutions) has established three national awards for innovative student projects in engineering, biotechnology, agriculture, pharmacy, material science and other applied technological domains. These awards are given every year during the Festival of Innovation And Entrepreneurship (FINE), Rashtrapati Bhavan, New Delhi in the month of March.

Students' Achievements :



Students of Electrical and Electronics Engineering Department, Sri Manakula Vinayagar Engineering College participated in a national level symposium conducted by IIT Hyderabad and they won third prize in DTMF race and also participated in some other events. They were awarded with a cash prize of Rs.3000/-



Nallam RamaLakshmi and Jerin Saraha participated at Gyanith 18 conducted by Nit Kariaikal and got first prize in paper presentation (cash prize of ₹2000) and second prize in line X (cash prize of ₹3000) in the presence of Expert - Er. C V Vinod ITS (1985 batch Indian Telecommunication Service Officer) Principal General Manager BSNL. In charge of managing the telecom network in the districts of Thanjavur, Thiruvarur and Nagapattinam including Karaikal. Was in-charge of business development in Qatar, Jordan, Bahrain as the CEO of the foreign Branch of an Indian Public Sector Undertaking called Telecommunications Consultants India Ltd.

Students Achievements



Akash raj .S and Yuvan Kumar.S of II year, Department of Electrical and Electronics Engg.,SMVEC. Won the second prize in paper presentation competition conducted by Pondicherry Engineering College.

Our department students Vishnuram .R and Pragadeeshwaran .N participated in a paper presentation competition conducted by EGS ENGINEERING COLLEGE on 17/02/2018 and won the first prize. They were awarded with a cash prize of ₹750.



Students Achievements



A.MOHAN of 3rd year b section participated in the ROBO WAR contest conducted by MADRAS INSTITUTE OF TECHNOLOGY, CHENNAI on 25.01.2018. In this contest 50 teams from all over Tamil Nadu participated out of which our team won the first prize with a cash prize of rupees 25,000. The same team participated in the ROBO WAR contest conducted by the AMRITA VISHWA VIDYAPEETHAM, BANGALORE on 18.02.2018. In this contest 40 teams from all over India participated out of which our team won the first prize with a cash prize of 50,000 RUPEES.



S.GOWSALYA, B.GOWSALYA, R.PARVATHI participated in the Project expo contest SCMIT'18 conducted by MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY, Pondicherry on 28.02.2018. Our students presented a project on the title "SMART SHOPPING KART". Out of 120 teams our team won third place in internal stream and were awarded with certificates.

Students Achievements



J.Gowtham has won III Prize in National level Integrated Technology (INTECH) Olympiad 2018, jointly organized by Rotary club of Pune pride, AFOUR technologies, Virtual labs and COEP Pune. The competition started with 20000 students from all over the country , ended up by selecting teams for the finals His project was “ Design of IOT solution for efficient metering of electrical energy generated in small power units”.



R. Karmugilan and C. Bharath Kumar of our college studying in Dept. of EEE got IIIrd Prize in the Paper Presentation contest held at National Institute of Technology, Puducherry.

Students Achievements



N.DEVARAJA, V POUVINESHWARAN, RAMACHANDIRAN K participated in the project contest TECHGIUM conducted by L&T. In this contest 500 teams participated in the first round out of which 80 were selected for the second round. The second round was held at the L&T branch in Chennai. In this our students presented a project on the title **“INSTANT WIPER”**. The team demonstrated the project in front of Industrial persons from L&T and were awarded with Mementos and Participation Certificates.



BHARATHRAJ, S ARAVINDH participated in the project contest TECHGIUM conducted by L&T. In this contest 500 teams participated in the first round out of which 80 were selected for the second round. The second round was held at the L&T branch in **Chennai**. In this our students presented a project on the title **“”**. The team demonstrated the project in front of Industrial persons from L&T and were awarded with Mementos and Participation Certificates.

Students Achievements



S. Narayanan and P. Praveen Kumar of our college studying in Dept. of EEE got 1st Prize in the Paper Presentation held at Nandha Engineering College, Erode on 16th Feb 2018.



K.SABARINATHAN, S.HENRY and R.BALAJI participated in the INTER COLLEGE BATMINTON Tournament "NEXUS" conducted by SMVEC on 08-10 MARCH 2018. In this tournament totally 4 Teams participated from Pondicherry out of which our team won the 3rd prize.



B.S SADHISH KUMAR, A VIJAYAKUMAR, ARUN RAJ, S ARAVINDH participated in the INTER COLLEGE CRICKET TOURNAMENT "NEXUS" conducted by SMVEC on 08-10 MARCH 2018. In this tournament totally 34 Teams participated from Pondicherry out of which our team won the 2nd prize. Our team was awarded with a trophy and Certificates and a cash prize of rupees 2000.

QUIZ PROGRAM :



Department of Electrical and Electronics Engineering from Sri Manakula Vinayagar Engineering College organized a Mega Quiz Event in association with The SIOL Quiz Club called the SMVEC Quiz Rolling Trophy marking the third edition this time. More than 150 school students and 180 college students took part in this grand event. Amalorpavam Higher Secondary School won the Rolling Trophy for the third consecutive time in Inter-School level while Pondicherry Engineering College (PEC) won the Rolling Trophy in Inter-Collegiate level once again after missing it in the last edition. The team of B.SHARAN RAJ , A.SUDHAGAR and JAYA SRI V from Amalorpavam Hr.Sec.School and <G.SAI BALA GURU >, M. SARAVANAN and G.J. GANENSWARA SHARMA from Pondicherry Engineering college were congratulated by ...

Placement details-Batch (2014-2018)

S.no	Company Name	Salary package	Number of students
1.	INFOVIEW	6,50,000	1
2.	KAAR TECHNOLOGIES	5,00,000	1
3.	EMBEDD UR	5,00,000	1
4	ASPIRE SYSTEM	4,50,000	2
5.	ZOHO	4,60,000	2
6.	TCS	3,36,875	36
7.	EMD SOLUTIONS	3,08,000	2
8.	IDBI	3,00,000	15
9.	MAINTEC	1,82,200	1
10.	SUTHARLAND(VOICE)	1,80,000	10
11.	SUTHARLAND(NON-VOICE)	1,40,000	8
12.	TWEELIGHT TECHNOLOGIES	1,20,000	1
13.	KOTAK LIFE INSURANCE	1,20,000	8
14.	SOCIETE GENERALE	4,31,920	1
15.	JUST DIAL	3,08,000	1

ADD ON COURSE:



A workshop on “Autonomous Robotics” was conducted by Ex.-Or Robotics for II Year students from 09-01-2018 to 11-01-2018 and for III year students from 26-03-2018 to 28-03-2018.

Industrial Visits

Sl.No.	Industry visited	Date	Year/Sem/Sec/Batch
1	L&T,COONOR	02.03.2017	III/VI/A/2015-2019
2	PENTAGON,COIMBATORE	03.03.2017	III/VI/A/2015-2019
3	L&T,COONOR	02.03.2017	III/VI/B/2015-2019
4	PENTAGON,COIMBATORE	03.03.2017	III/VI/B/2015-2019
5	INDIAN SPACE RESEARCH ORGANIZATION	23.2.2017	II/IV/A/2016-2020
6	INDIAN SPACE RESEARCH ORGANIZATION	23.2.2017	II/IV/B/2016-2020
7	KELTON,KERALA	24.2.2017	II/IV/A/2016-2020
8	KELTON,KERALA	24.2.2017	II/IV/B/2016-2020

Industrial Visits -III Year students



Industrial visit to Indian Space Research Organisation, Kerala.
On 23.02.2018



INDUSTRIAL VISIT TO PENTAGON SWITCHGEARS ON
02.03.2018

Industrial Visits - II Year students



Industrial Visit to KELTRON, Kerala.
By our II year students on 24.02.2018



Industrial visit to Indian Space Research Organisation, Kerala.
On 23.02.2018

Guest Lecture



Guest lecture on programming and Microcontroller interfacing with MATLAB software delivered by Mr.Selvakumar.S, Validation Engineer, Microchip Ltd, Chennai . on 24.02.18 for III Year A & B Section Students



Guest lecture on Meters and Relay Testing in steam power plants delivered by N.Rengarajan, Chief Manager, NLC Limited, Neyveli. on 20.01.18 for III Year & II Year Students.

DEPARTMENT ADVISORY COMMITTEE (DAC) MEETING:



The DAC meeting commenced at 11.00 AM in the HOD's cabin on 17.02.2018. Chairman/ Convener Dr.S.Anbumalar, Professor & HOD/EEE, SMVEC. & Dr. K. Suresh, Coordinator/DAC invited the members of DAC

Academic peers: Dr.Ajay D.Vimalraj, Asst Professor/EEE, PEC.

Employers: Mr. T.Poovannan, Proprietor, Abirami enterprises.

Alumni: i) Mr.U.Mohanraj, (Batch:2013-2017) Verification Engineer, Microchip.
ii) Mr. Krishnadevan, Software Engineer, (Batch:2013-2017), TCS.

Faculty from i) Mr.R.Ramakrishnan, Asso.Professor/MCA, SMVEC.

other department: ii) Mrs. S.Sugasini, Asst Professor/Mathematics, SMVEC.

And students with their parents also participated in the meeting.

The DAC has given guidelines related to the following areas:

- Program Educational Objectives and Program Outcomes
- Academic plan preparation by faculties for their respective courses allotted by the Department
- Reviewing of Vision and Mission/PEO statements
- Functioning of Centre of Excellence/Incubation Centre
- Planning of Value added training courses/ Industrial visits/ Guest lectures/ GATE coaching

TRAINING FOR DIPLOMA STUDENTS



SHI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NCAAF with 'A' Grade in ISO 9001:2008 Certified Institution)
Madhavadipet, Puducherry - 605 007

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ORGANIZING
WORKSHOP FOR DIPLOMA STUDENTS (ECE, EEE, MECH, I&C)
ON 14TH-MARCH-2018

1. TESTING & REPAIR OF HOME APPLIANCES

2. ARDUINO & ITS APPLICATIONS

3. CNC-METAL WORKS- PROGRAM CODE

FOR CONTACT:
8072983171
9842102111

FOR REGISTRATION
<https://goo.gl/forms/HWYEek7jk3g5XzIH3>



Our department has organized practical oriented training on the areas of Testing & Repairing of home appliances, Arduino & its applications, CNC machine working for the diploma students in and around the Puducherry state on 14th March 2018, 141 students were benefited from the training Program.

CO-CURRICULAR ACTIVITIES



Harinevalli .S and team participated in a event NEURA conducted by Pondicherry engineering college and won the second prize in Dance competition . They also participated in a symposium conducted by Pondicherry engineering college and won the first prize in Dance competition .

ENTREPRENUER SHIP DEVELOPMENT PROGRAM



Our department has organized Entrepreneur development program on 3rd March 2018 for our students to motivate the young minds to develop their business ideas , Mr.Suresh kumar Gunese-karan,CO-FOUNDER Macap studio has handled the session .

NEWS LETTER

{DEC 2017-APRIL 2018}

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