

Dear Buddies,

“Life always has the best teacher disguised as experience”

Tagline for T-shirt should sound cool. Below are few nice ones:

Out of electrons. Got some charge!

I have electrons. Do you have Protons!

Be Grounded!

Charging Lives!

Ohm

Happiness Amplified. Folks Rectified.

Step Up! Transform Lives

AC is good!

Overcome Resistance! Deliver full Potential!

New is AC

Don't forget to Charge Up!

“Experience to achieve more”

Take up challenges!!!

“Head or Tail Smart work never fails”

We as “JANA MEMBERS” have decided to sow fresh thoughts in your aspiring mind. This newsletter is to celebrate the winners and participants who have given their utmost effort. Keep cheering us with your valuable feedbacks.

Happy Reading...!!!!

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

1. **PEO: 1** Lead a professional career by acquiring the basic knowledge in the field of specialization and allied Engineering.
2. **PEO: 2** Assess the real life problems and deal with them confidently relevance to the society.
3. **PEO: 3** Engage in lifelong learning by pursuing higher studies and participating in professional organizations.
4. **PEO: 4** Exhibit interpersonal skills and able to work as a team for success.

### **PROGRAMME OUTCOMES (POs)**

1. **PO: 1 Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **PO: 2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **PO: 3 Design / Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **PO: 4 Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **PO:5 Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **PO:6 The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **PO: 7 Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **PO: 8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **PO: 9 Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **PO: 10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **PO: 11 Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **PO: 12 Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change..

#### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

1. **PSO: 1** Skilled to analyze, design and test various electrical and electronic circuits, control system, instrumentation system, computer systems, microprocessor and microcontroller based systems.
2. **PSO: 2** Exhibit knowledge and hands-on competence in the application of Electrical machines and power electronic based drives system.
3. **PSO: 3** Design and investigate problems in power system network along with protection schemes and effective utilization of electrical energy.
4. **PSO: 4** develop a project management tool for solving complex electrical/electronic problems by applying the knowledge of basic sciences, mathematics and engineering fundamentals.

**EEE ASSOCIATION ACTIVITIES:**



Organized a one day Guest Lecture on “Recent Trends in Industrial Electrical Engineering” by Mr. S.V.Raghavan, Project Manager, Dangote Group, Nigeria on 26.07.2018.



Ten day workshop on “Auto CAD Electrical” by Mr V.P.Thirupathi Raja Cadd Master organized by EEE Department on 23.10.2018-02.11.2018



One week workshop on “Solar installation” by Mr. Muthu Kumar organized by EEE Department on 12.12.2018

**STAFF ACTIVITIES:**

S.no	Name of the faculty	Title of the programmes	Title of the programmes	Date
1.	B.MANGAIYARRKARASI V.DHIVYA RUBINI	FDP-NITTTR	Instructional design and delivery system	6 <sup>th</sup> to 11 <sup>th</sup> August 2018
2.	DR. S.RAMESH DR. S.EDWIN JOSE DR. ANBARASI DR. R.MADAVAN MR.T.BALASUBRAMANIAN MR.S.SIVAKUMAR	One day workshop	E-Learning resource – Google class room	31.10.2018

	<p>MS.R.ARUNA  MS.M.YAMUNA  MS.S.KRISHNAVENI  MR.S.RAMARAJ  MR.P. SARATH CHANDRAN  MS.B.MANGAIYARRKARSI  MS.V.DHIVYA RUBINI  MR.R.SIVARAMAN</p>			
3.	<p>DR. S.RAMESH  DR. S.EDWIN JOSE  DR. ANBARASI  DR. R.MADAVAN  MR.T.BALASUBRAMANIAN  MR.S.SIVAKUMAR  MS.R.ARUNA  MS.M.YAMUNA  MS.S.KRISHNAVENI  MR.S.RAMARAJ  MR.SARATHCHANDRAN  MS.B.MANGAIYARRKARSI  MS.V.DHIVYA RUBINI  MR.R.SIVARAMAN</p>	Two days' workshop	RESEARCH AVENUES OF NEURAL NETWORK IN ENGG AND TECH	24.11.2018 & 25.11.2018
4.	<p>DR. S.RAMESH  DR. S.EDWIN JOSE  DR. S. ANBARASI  DR. R.MADAVAN</p>	One day workshop	TIPS AND TRICKS IN MS-office	20.11.2018

MR.T.BALASUBRAMANIAN			
MR.S.SIVAKUMAR			
MS.R.ARUNA			
MS.M.YAMUNA			
MS.S.KRISHNAVENI			
MR.S.RAMARAJ			
MR.P.SARATHCHANDRAN			
MS.B.MANGAIYARRKARASI			
MS.V.DHIVYA RUBINI			
MR.R.SIVARAMAN			

### **Funded project Details**

1. Dr.S.Ramesh submitted a Project proposal titled “DEEP LEARNING IN SOLAR BASED GRID CONNECTED MULTILEVEL INVERTER USING MULTISTEPPEDED INPUT SOURCE WITH BY REDUCED NUMBER OF SWITCHES” in AICTE RPS worth of Rs. 1900000.

### **List of International Journals:**

1. R Madavan, S Senthil Kumar, M Willuice Iruthyarajan, “A comparative investigation on effects of nanoparticles on characteristics of natural esters-based nanofluids”, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Vol. 556, pp.30-36, 2018.
2. E Sakthivel, V Malathi, M Arunraja, “BUTHA: Boost Up Clock Terminal with Heuristic Approach for NoC”, Journal of Circuits, Systems and Computers, Volume 27, Issue 6, Pages 1850084 (2018).

3. E Sakthivel, M Arunraja, KD Uma, T Shanthi, A Muthukrishnan“Design of optimised logic interface for network-on-chip architectures”, Electronics Letters, Volume 54, Issue 12, Pages 744-746 (2018).
4. Madavan R and Sujatha Balaraman,”Investigation on Effects of Different Types of Nanoparticles on Critical Parameters of Nano-Liquid Insulation Systems”, Journal of Molecular Liquids - Elsevier, Volume 230, Pages 437–444, 2018
5. S.Vinoth, P.Madhubalan, P.Vasanthakumar and S.Ramesh, “Enhanced auto main failure system for 750kVA DG sets operation using PLC” International Journal of Advanced Research in Science and Engineering, Vol. 7, Special Issue 2, 2018.
6. Vigneshwararaj. K and Ramaraj. S, “A Three stage self-balanced flying capacitor and H bridge topology for 17 level inverter” International Journal of Advanced Research in basic Engineering Science and technology (IJARBEST), Vol. 4, No.4, 2018.

**CONFERENCES:**

1. K. Amsaveni, K. Jeyakohila, A. Sabishree and K. Genga Devi “Analysis of Flashover Voltage of Insulator under Artificial Pollution Condition” attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18’) at Sri Vidya College of Engineering & Technology, 2018.
2. V. Anusuya, A. Naga Jothi, S. Pavithra and Dr S. Ramesh “Performance Enhancement of High Voltage Disc Insulator” attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18’) at Sri Vida College of Engineering & Technology, 2018.
3. K. Ashokraj, R.Subash, E. Muthukumar and V. DhivyaRubini “Enhancement of Power Quality In Distribution System Using D-STATCOM” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18) , 2018.
4. N. Chandrababu, M. MadhanaGobalan, R. Mariselvam and R. Madavan “Analysis of Aging Rate of Oil- Impregnated Insulating Paper Using Image Processing Technique” attended a



National Conference on Engineering Applications'18 at Universal College of Engineering & Technology (NCEA'18), 2018.

5. K. Dharani Kumar, T. Marichamy, K. Pethupandi and R. Madavan "Selection of Optimal Liquid Insulation Blend Using Optimization Techniques" attended a National Conference on Emerging Trends & Transformations in Engineering and Technology (NC2 (EC) – 2018) at Sri Lakshmi Ammal Engineering College, 2018.
6. G. Durga G, N. Gomathipriya and S.Ramaraj "Design and Implementation of Modified Cascade Multilevel Inverter" attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18') at Sri Vidya College of Engineering & Technology, 2018.
7. G. S. Gokul, M. Mohamed Salim, P. Muralitharan and T.Balasubramanian "Connecting multi number of Alternator in a single Grid Network" attended a National Conference on Engineering Applications'18 at Universal College of Engineering & Technology (NCEA'18) , 2018.
8. S. Gunasekaran, P. Jeyasurya, K. Pandiarajan and B.Mangaiyarkkarasi "Design and Implementation of Modified Cascade Multilevel Inverter" attended a National Conference on Engineering Applications'18 at Universal College of Engineering & Technology (NCEA'18), 2018.
9. S. P. Hareash, P. Ananth, P. Pandian and P.SarathChandran "Digital Phase Selector with Fault Detection and Monitoring" attended a National Conference on Engineering Applications'18 at Universal College of Engineering & Technology (NCEA'18) ,2018.
10. M. Kanagavalli, A. Kartheeswari and S.Manimaran "Fault Analysis on Three Phase Induction Using RF Technique" attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18') at Sri Vidya College of Engineering & Technology, 2018.

- 11.** M. Karthika and P.SarathChandran “Self Powered Internet of Things for Railway Track Condition Monitoring” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18) , 2018.
- 12.** B. Ragasutha, K. Kirithika and P.SarathChandran “Load Shedding and Smart Direct Load Control Using Internet of Things” attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18’) at Sri Vidya College of Engineering & Technology, 2018.
- 13.** R. Mahalakshmi, G. Susithra and andT.Balasubramanian “Design and Implementation of Multilevel Inverter by Reducing the Switches” attended a National Conference on Recent Trends in Electrical, Electronics, Communication & Computing Technologies (NCRTE<sup>2</sup>C<sup>2</sup>T-2K18) at P.S.R. Rengasamy College of Engineering for women, 2018.
- 14.** A.Marimuthu, S.Rajamurugan, P.Thangapandian and K. Genga Devi “Wireless Speed Control of three phase Induction Motor using Arduino” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.
- 15.** R.Nandhini, S.Pavithra and T.Balasubramanian “Performance Improvement of Induction Motor Using Multilevel Inverter” attended a National Conference on Recent Trends in Electrical, Electronics, Communication & Computing Technologies (NCRTE2C2T-2K18) at P.S.R. Rengasamy College of Engineering for women, 2018.
- 16.** N.Nanthini, K.Ponmalar, R.Ramya and B.Mangaiyarkkarasi “IOT Based Water Supply Management and Theft Identification” attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18’) at Sri Vidya College of Engineering & Technology, 2018.
- 17.** M.Roja, K.Vijayalakshmi and S.Sivakumar “Electric Power Generation Using Magnetic Repulsive Force” attended a National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE – 18’) at Sri Vidya College of Engineering & Technology, 2018.
- 18.** A.Santhanakumar, S.Saravanan, M.Muthukumar and S.Manimaran “Electrolyte Shock Treatment” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.
- 19.** T.Senthilganesh, R.Arun Kumar, B.Prabakaran and S.Sivakumar “Iot Based Energy Meter Monitoring & Control System” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.

- 20.** G.Suresh Kumar, S.Surjith, D.Kiranraj and M.Yamuna “Zeta Converter Based PMBLDC Motor Water Pump Using PV System” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.
- 21.** P.Thambiraj, K.Karuppasamy, M.Vijayakumar and R.Aruna “Smart Wheelchair controlled by Manual and Voice control using Arduino” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.
- 22.** M.Umayaraj, S.Arumugasamy, P.Kodeeswaran and S.Ramaraj “Smart Helmet” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018
- 23.** S.Vinoth, P.Madhubalan, P.Vasanthakumar and S.Ramesh “Enhanced auto main failure system for 750kVA DG sets operation using PLC” attended an International Conference on Advancements in Engineering, Technology and Sciences(ICAETS 2018) at Dhaanish Ahmed College of Engineering, 2018
- 24.** S.Vishnukumar, K.Manojkumar, K.Vigneshkumar and R.Aruna “Modern uninterrupted power supply for Residential Applications” attended a National Conference on Innovations in Communication Technology for Social Development(ICTSD-2018) at Ramco Institute of Technology, 2018
- 25.** G.Kesavan, K.Krishnaprakash, N.Umasankar and S.Shenbagaramalakshmi “Controlling And Monitoring Motor Drives Using PLC” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18) on 16th March, 2018.
- 26.** V.Marikkannan, D.MohamedAshif, A.Prakash Kumar and M.Yamuna “High Performance Predictives Model of PV System Using MPPT” attended a National Conference on Engineering Applications’18 at Universal College of Engineering & Technology (NCEA’18), 2018.

**STUDENTS ACTIVITIES:**

**INTER/INTRA INSTITUTE EVENTS (WINNING PRIZE) – 2018-2019**

<b>Academic Year</b>	<b>Name of the students</b>	<b>Date of the event</b>	<b>Name of the event</b>	<b>Prize</b>	<b>Institute</b>
<b>CAY 2018-2019</b>	S.PRAVEENKUMAR	31.08.18	Circuitrix on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>II</b>	PSN College of Engineering and Technology
	C. MUTHUKUMAR	31.08.18	Paper Presentation on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>I</b>	PSN College of Engineering and Technology
	A.SUBBARAJ	31.08.18	Paper Presentation on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>I</b>	PSN College of Engineering and Technology
	C. MUTHUKUMAR	31.08.18	Fun-o-Fun on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>II</b>	PSN College of Engineering and Technology
	S.PRAVEENKUMAR	31.08.18	Fun-o-Fun on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>I</b>	PSN College of Engineering and Technology
	A.SUBBA RAJ	31.08.18	Fun-o-Fun National level Technical Symposium-Paper	<b>II</b>	PSN College of Engineering and Technology

			presentation on TECHNOBUZZ 2K18		
	C. MUTHUKUMAR A.SUBBARAJ	31.08.18	Adzapp on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>I</b>	PSN College of Engineering and Technology
	S.PRAVEENKUMAR	31.08.18	Adzapp on National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	<b>II</b>	PSN College of Engineering and Technology

**INTRA-INSTITUTE EVENTS – 2018-2019**

<b>Academic Year</b>	<b>Name of the student</b>	<b>Date of the event</b>	<b>Title of the event</b>	<b>Institute</b>
	R. KRISHNAKUMAR E.GOMATHYSANKAR S. KALIRAJ S. BALACHANDAR A.ANANTHARAMKUMAR	13.07.18- 14.07.18	TNSCST Sponsored <b>National Workshop</b> on implication of internet of things for smart city implementation- challenges and opportunities	PSG College of Technology coimbatore
	C. MUTHUKUMAR A.SUBBA RAJ S. MANOJKUMAR B. AJITHKUMAR K. MARIDURAI S. PRAVEENKUMAR	31.08.18	National level Technical Symposium-Paper presentation on TECHNOBUZZ 2K18	PSN College of Engineering and Technology

<b>CAY</b> <b>2018-2019</b>	S. PRAVEENKUMAR C. MUTHUKUMAR K. MARIDURAI B. AJITHKUMAR A.SUBBA RAJ	31.08.18	National level Technical Symposium – <b>Circuit trix</b> on TECHNOBUZZ 2K18	PSN College of Engineering and Technology
	S. PRAVEENKUMAR C. MUTHUKUMAR A.SUBBA RAJ S. MANOJKUMAR B. AJITHKUMAR	31.08.18	National level Technical Symposium- <b>ADZAPP</b> on TECHNOVUZZ 2K18	PSN College of Engineering and Technology
	C. MUTHUKUMAR A.SUBBA RAJ S. MANOJKUMAR B. AJITHKUMAR K. MARIDURAI S. PRAVEENKUMAR	31.08.18	National level Technical Symposium- <b>FUN</b> <b>'O' FUN</b> on TECHNOVUZZ 2K18	PSN College of Engineering and Technology
	B. AJITHKUMAR K. MARIDURAI S. PRAVEENKUMAR	31.08.18	National level Technical Symposium- <b>TECHNO CLANS</b> on TECHNOVUZZ 2K18	PSN College of Engineering and Technology

**INDUSTRIAL VISIT:**

<b>Name of the student</b>	<b>Date of the event</b>	<b>Title of the event</b>	<b>Institute</b>
50 III year EEE Students	14.08.2018	Industrial Visit	L& T Switch Gear Training Centre, Coonoor
43 IV YEAR students from EEE	17.12.18	Industrial Visit	Vikram Sarabhai Space Research Center, Trivandram
49 III YEAR students from EEE	27.12.18	Industrial Visit	Padmavahini Transformer PVT. Ltd, Coimbatore.

**INPLANT TRAINING:**

<b>Name of the student</b>	<b>Date of the event</b>	<b>Title of the event</b>	<b>Institute</b>
K. ASHA R.BHUVANESHWARI S. DHANALAKSHMI M. KALPANADEVI K. MAHESHWARI S. MUPPIDATHI T.K. NIVETHA V. SUNDARI	20.11.18 – 24.11.18	Inplant Training	110/11 KV Substation at Nallamanaickenpatti
S. MANOJKUMAR	20.11.18- 01.12.18	Inplant Training	Kudankulam, Nuclear Power plant.
V. CHIDAMBARAM S.MUTHUMANIKANDAN S. RAMSUNDAR	22.12.18- 25.12.18	AYUDH INDIA LEADERSHIP TRAINING	Ayahs INDIA Leader Training Institute –Amritapurai, Kerala.

G. JAYABASKAR			
J. MAHENDRAN			
S. GOKUL			
K.GANESHKUMAR			

**PLACEMENT ACTIVITIES**

**PLACED STUDENTS 2018-19**

<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>NAME OF THE COMPANY</b>
1.	S.SURYA	ILM,TCS, HGS
2.	M.AJAYSARAVANAN	ILM,IDBI, HGS
3.	S.GOKUL	Bevywise Network, HGS
4.	R.MATHANKUMAR	Bevywise Network, HGS
5.	S.MUTHU MANIKANDAN	Bevywise Network, HGS
6.	V.CHIDAMBARAM	ETHNUS
7.	U.BALAMURUGAN	ETHNUS
8.	S.RAMSUNDAR	IDBI, HGS, JUST DIAL
9.	M.ESSAIANANTH	IDBI, HGS
10.	R.RAHUL	HGS, JUST DIAL
11.	K.KRISHNARAJ	IDBI, HGS
12.	M.MURUGARAJ	IDBI, HGS
13.	S.SURESHKUMAR	IDBI, HGS



<b>14.</b>	<b>M.MARISELVAM</b>	<b>IDBI</b>
<b>15.</b>	<b>A.MOHAMED ABUBACKAR</b>	<b>IDBI</b>
<b>16.</b>	<b>M.JAYARAMAN</b>	<b>IDBI</b>
<b>17.</b>	<b>D.SYEDIBRAKIM</b>	<b>IDBI</b>
<b>18.</b>	<b>M.RAMESH</b>	<b>IDBI</b>
<b>19.</b>	<b>J.JEYACHITHRADEVI</b>	<b>HGS</b>
<b>20.</b>	<b>K.KARTHIGA</b>	<b>HGS</b>
<b>21.</b>	<b>M.MANIKANDAGURU</b>	<b>HGS</b>
<b>22.</b>	<b>G.JAYABASKAR</b>	<b>HGS</b>
<b>23.</b>	<b>K.DIVYA</b>	<b>HGS</b>
<b>24.</b>	<b>K.MEGALA</b>	<b>HGS</b>
<b>25.</b>	<b>S.PON MONISHA</b>	<b>HGS</b>
<b>26.</b>	<b>R.SIVAKUMAR</b>	<b>HGS</b>
<b>27.</b>	<b>R.VAISHNAVI DEVI</b>	<b>HGS</b>
<b>28.</b>	<b>R.ALAGUSELVAM</b>	<b>HGS</b>
<b>29.</b>	<b>K.GANESH KUMAR</b>	<b>HGS</b>
<b>30.</b>	<b>J.KARTIK PARBHU</b>	<b>HGS</b>
<b>31.</b>	<b>N.MARISELVAM</b>	<b>HGS</b>
<b>32.</b>	<b>V.SUDHAKAR</b>	<b>HGS</b>

NO OF STUDENTS	: 52
NO OF PLACED STUDENTS	: 34
NO OF OFFER LETTERS	: 48
NO OF STUDENTS HAVING 3 OFFER LETTERS	: 03
NO OF STUDENTS HAVING 2 OFFER LETTERS	: 08
NO OF STUDENTS HAVING 1 OFFER LETTER	: 21

