

# NEC NEWS Bulletin

VOL. - 1 | ISSUE - 2 | OCT. 2017 - JAN. 2018



## NATIONAL ENGINEERING COLLEGE

An Autonomous Institution,

Affiliated to Anna University, Chennai

Approved by All India Council for Technical Education (AICTE)

Accredited by National Assessment and Accreditation Council (NAAC)

K.R.Nagar, Kovilpatti – 628 503, Thoothukudi District

Phone: 94425 45502

98425 20502, 94425 66502

Fax: 04632 – 232 749

Web: [www.nec.edu.in](http://www.nec.edu.in)

e-mail : [principal@nec.edu.in](mailto:principal@nec.edu.in)



# National Engineering College

(An Autonomous Institution, Affiliated to Anna University, Chennai)

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## NEC NEWS Bulletin

VOL. - 1 | ISSUE - 2 | OCT. 2017 - JAN. 2018

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Dean (Academic)

Internal Quality Assurance Cell (IQAC)

National Engineering College (Autonomous),  
K.R.Nagar, Kovilpatti – 628 503.

Phone: 94425 45502, 98425 20502  
94425 66502

Fax : 04632 – 232 749

Web : [www.nec.edu.in](http://www.nec.edu.in)

e-mail: [principal@nec.edu.in](mailto:principal@nec.edu.in)



### VISION

- Transforming lives through quality education and research with human values

### MISSION

- To maintain excellent infrastructure and highly qualified and dedicated faculty.
- To provide a conducive learning environment with an ambience of humanity, wisdom, creativity and team spirit.
- To promote the values of ethical behaviour and commitment to the society.
- To partner with academic, industrial and government entities to attain collaborative research.

## *From the Chairman's desk*



**K.Ramasamy**  
Chairman

*'The function of education is to teach one to think intensively and to think critically'*

- Martin Luther King, Jr

*Today's Engineering world demands individuals who are not only skilled but are innovative thinkers and are confident to face everyday challenges. I strongly believe that today's generation has an unquenchable thirst to seek knowledge. We at NEC offer various programmes for holistic development of our students.*

*Our academic programme strengthens the overall knowledge, skills, emphasizes the all round development, promotes human values and professional ethics and also helps our students live a more meaningful life and socially alive.*

*Best wishes for the successful and bright future of 'NECians'.*

**K.Ramasamy**  
Chairman



# ***National Engineering College***

## **NEWS Bulletin**

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## VIP VISITS:

- **Mr.G.S.Ayyappan**, Senior Scientist, CSIO, Chennai visited EIE department to deliver a special address on '**IoT in Alternate Energy**' held on October 25, 2017.
- **Mr.D.Karthikeyan**, Managing Director, Controlsoft Engineering India Pvt. Ltd, Chennai, visited EIE department for giving a special lecture on '**IoT for Industrial Automation**' held on October 26, 2017.
- **Mr.K.Sankar**, Founder & Director, Mathiimigal Tech (P) Ltd., Bangalore visited EIE department for giving a guest lecture on '**IoT Hardware & Interfacing Sensors & Actuators with IoT**' held on October 27, 2017.
- **Mr.G.Sathiyaraj**, Team Leader, R&D, Vi Microsystems Pvt. Ltd., Chennai visited EIE department for giving a special lecture on '**Industrial IoT**' on held October 27, 2017.
- **Dr.Sumanth.C.Raman**, Sports Commentator and TV Anchor, visited S&H department and acted as Quiz Master and also the chief guest for the 'State Level Quiz competition' for higher secondary school students held on October 27, 2017.
- **Dr.G.R.Nagabhushana**, Professor Emeritus and Former Chairman, High Voltage Engineering, IISc, Bangalore visited EEE department for giving a special address on '**Lightning Physics, Effects & Protection**' held on November 06, 2017.
- **Dr.Santosh Kumar Annadurai**, R&D Head/GIS, GE T&D India Ltd., Chennai, visited EEE department for giving a special address on '**Gas Insulated Substation**' on November 17, 2017.
- **Dr.K.Elanseralathan**, Professor/EEE, Pondicherry Engineering College, Pondicherry visited EEE department for giving a special address on '**Numerical Field Computation**' held on November 17, 2017.
- **Dr.Pratim Kumar Chattaraj**, J. C. Bose National Fellow, Institute Chair Professor, Professor, Department of Chemistry, Indian Institute of Technology, Kharagpur visited S&H department for giving a special address on '**Applications of Aromaticity**' held on November 20, 2017.
- **Mr.D.Anesh Kavi**, Deputy Chief Engineer, NLC India Ltd, Neyveli visited EEE department for giving a special address on '**Mechanism of Switchgear in NLC**' on December 27, 2017.
- **Mr.S.Venkata Prasad**, Project Manager, TCS, Chennai visited IT department to deliver a guest lecture on '**Cost Benefit Evaluation**' for III IT students on December 30, 2017.
- **Dr.P.Essaki Muthu**, Chief Scientist in R&D, Riversilica Technologies Pvt Ltd, Bangalore, **Dr.G.Vinoth**, Technology Management Consultant, Startup Coach, Pongu Ventures, Tirunelveli and **Mr.N.Jeyakrishnan**, Associate Manager (SAP) Plant (Instrumentation), Sterlite Copper (a unit of Vedanta), Thoothukudi visited the college and attended the 13<sup>th</sup> IQAC meeting held on January 20, 2018
- **Dr.P.Yogesh**, Associate Professor, Department of Information Science and Technology, Anna University, Chennai visited IT department for giving the special address on '**IoT:A Network Perspective**' held on January 24, 2018.

**AWARDS AND ACHIEVEMENTS:**

- ✓ **Dr.T.S.Arun Samuel**, AP (SG), ECE has received the **Best Paper Award** for his paper entitled '**IoT Based Milk Monitoring System for Detection of Milk Adulteration**' during the International Conference on Data Security (INCODS-2017) held at Kalasalingam Academy of Research and Education, Krishnankovil, Tamilnadu during December 11 – 13, 2017.
- ✓ NEC has been recognized as one of the Top Performing **NPTEL Local Chapters** with a rating of "**AAA**" based on the performance of Faculty members and Students in NPTEL Online Certification exams which were held during **July – December 2017**.

**Mr.K.Karunai Raghavan**, Librarian has received Top Performing '**NEC NPTEL Local Chapters**' with a rating of '**AAA**' Citation received from former **Director Prof. M.S.Ananth** IIT Madras on January 25, 2018.

**SPONSORED RESEARCH PROJECTS:**

- ✓ **Dr.S.Thalamuthu**, AP(SG)/Chemistry as PI and **Dr.M.A.Neelakantan**, HOD/S&H as Co-PI were granted a fund of **Rs.27,66,948/-** by DST (SERB), New Delhi for a project titled 'Designing of novel benzothiazole derivatives and their Cu(II), Fe(II/III) and Al(III) Complexes: Synthesis, structural characterization and biological exploration against distinct pathological factors in Alzheimer's disease' approved on September 26, 2017 and received on October, 2017.
- ✓ **Dr.V.Gomathi**, Professor/CSE as PI is received 'NVIDIA GPU Grant' of **Rs.1,25,000/-** from NVIDIA Corporation under academic research seeding on December 05, 2017.

**CONSULTANCY :****Department of EEE**

- ✓ Consultancy work carried out for **M/s Excel Hydro Pneumatics India Pvt Ltd.**, Nanguneri to determine '*Electrical withstand Test and Megger Test was done at High Voltage Laboratory*' on December 16, 2017.

**Department of Civil Engineering**

- ✓ Consultancy work carried out for **M/s Airvoice Telesystems and Infrastructure Pvt. Ltd**, Coimbatore to determine '*Compressive Strength Test-Concrete Cube*' on November 7, 2017.
- ✓ Consultancy work carried out for **M/s Ramco Cements Limited**, Kovilpatti to determine '*Compressive Strength Test-Concrete Cube*' on December 14 & 28, 2017.
- ✓ Consultancy work carried out for **M/s SAMA Civil Consultancy**, Kadayanallur to determine '*Soil Bearing Capacity*' on December 16, 2017.

**JOURNAL EDITORIAL BOARD MEMBERS / REVIEWERS:**

- ✓ **Dr.M.A.Neelakantan**, HOD/S&H, reviewed a paper for the following Journals during the month of October 2017 to January 2018.
  - Elsevier - Ceramics International
  - Elsevier - Spectrochimica Acta Part A: Molecular and Bio-molecular Spectroscopy
  - Wiley Online Library - Chemistry Select
  - Royal Society of Chemistry - New Journal of Chemistry
  - Elsevier - Journal of Molecular Structure
  - Elsevier - Sensors and Actuators B: Chemical Journal
  - Springer - Environmental Science and Pollution Research
  - Elsevier - Inorganic Chemistry Communications
  - African Journals Online - Bulletin of the Chemical Society of Ethiopia
  - Wiley - Applied Organometallic Chemistry
  - Royal Society of Chemistry - Crystal Engineering Communication
- ✓ **Dr.B.Sankaragomahi**, HOD/EIE reviewed a paper for the following Journals during the month of October 2017 to January 2018.
  - Taylor & Francis: International Journal of Electronics.
  - Taylor & Francis: International Journal of Electronic Letters.
  - Auto Soft Journal: Intelligent Automation & Soft Computing.
- ✓ **Dr.D.Santhi**, Asso. Prof.(SG)/EIE reviewed a paper for the following Journals during the month of October 2017 to January 2018.
  - Elsevier: Computers in Biology and Medicine: An International Journal.
  - Biomedical Engineering / Biomedizinische Technik.
  - IET Image Processing.
- ✓ **Mr.M.Bakruthen**, AP/EEE, reviewed a paper for the Journal on ‘Taylor and Francis: Electric Power Components and Systems’ during the month of October 2017.
- ✓ **Dr.B.Sankaragomathi**, HOD/EIE, Editorial Board Member of ‘Saudi Journal of Engineering and Technology’ since November 2017.
- ✓ **Dr.E.Ramachandran** AP/S&H, reviewed a paper for the Journal on ‘Inorganica Chimica Acta’ during month of December 2017.
- ✓ **Dr.R.Arun**, Asso. Prof./EIE reviewed a paper for the Journal on ‘Elsevier: Transactions of the Institute of Measurement and Control’, during the month of December 2017.
- ✓ **Dr.S.Iyahraja**, Asso. Prof./Mech., reviewed a paper for the Journal on ‘Springer: Iranian Journal of Science and Technology, Transactions of Mechanical Engineering’ during the month of January 2018.
- ✓ **Dr.S.Maheswari**, AP(SG)/CSE, reviewed a paper for the Journal on ‘International Journal of Business Information Systems’. Inder Science Publisher during the month of January 2018.

- ✓ **Dr.S.Tamil Selvi**, HOD/ECE-PG reviewed a paper for the ‘Elsevier: Journal on Informatics in Medicine Unlocked’ during the month of January 2018.
- ✓ **Mr.Jackson Daniel**, Asso. Prof./EIE reviewed a paper for ‘Elsevier: Measurement Journal of the International Measurement Confederation’ during the month of January 2018.
- ✓ **Mr.V.Suresh**, Asso. Prof./EIE reviewed a paper for ‘Elsevier: Measurement Journal of the International Measurement Confederation’ during the month of January 2018.

## R & D ACTIVITIES:

### Department of EEE

- ✓ Ms.S.Ajitha Priyadharsini was awarded with Ph.D. under the joint supervision of **Dr.M.Willjucie Iruthayarajan**, HOD/EEE, from Anna University, Chennai on Dec. 04, 2017.

### Department of EIE

- ✓ **Mr.P.Muthukumar**, AP/EEE, AMET University, Chennai was awarded with Ph.D. under the joint supervision of **Dr.B.Sankaragomathi**, HOD/EIE from Anna University, Chennai on October 03, 2017.
- ✓ **Mr.Jackson Daniel**, Asso. Prof./EIE **Ms.M.Carmel Sobia**, AP(SG)/EIE and **Ms.J.Babitha Thangamalar** AP(SG)/EIE submitted synopsis under the supervision of **Dr.A.Abudhahir** Prof./EEE, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai in Anna University, Chennai during December, 2017.
- ✓ Ms.V.Sheela Kumari, AP/EEE, Infant Jesus College of Engineering, Tirunelveli was awarded with Ph.D. under the supervision of **Dr.B.Sankaragomathi**, HOD/EIE from Anna University, Chennai on January 29, 2018.

### Department of Mechanical

- ✓ Mr.T.Elango was awarded with Ph.D. under the supervision of **Dr.K.Kalidasa Murugavel**, HOD/Mechanical from Anna University, Chennai on October 10, 2017.
- ✓ Ms.K.Geetha was awarded with Ph.D. under the supervision of **Dr.D.Ravindran**, Professor, Mechanical from Anna University, Chennai on December 18, 2017.

### Department of S&H

- ✓ Mr.C.Balakrishnan, Research Scholar (Regular), S&H, NEC was awarded with Ph.D. under the supervision of **Dr.M.A.Neelakantan**, HOD/S&H from Anna University, Chennai on November 20, 2017.

## ACTIVITIES BY FACULTY MEMBERS:

### Chief Guest/Guest Lecture/Resource Person/Keynote Speakers:

### Department of CSE

- ✓ **Dr.V.Gomathi**, Prof./CSE has delivered special lecture on ‘Domains for Human Cognition Development’ at Anna University, Chennai held on October 07, 2018.
- ✓ **Ms.J.Naskath**, AP(SG)/CSE has delivered special lecture on ‘Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular Communication’, at National Engineering College, Kovilpatti held on October 13, 2018.



### **Department of IT**

- ✓ **Mr.S.Vimal, Mr.S.Chidambaram, and Ms.R.Lakshmi Devi** acted as Resource Persons for the AICTE Sponsored, Faculty Development Programme in the topic ‘Data Science Research and Big Data Analytics’ at NEC during December 11 – 23, 2017.
- ✓ **Dr.S.Sankarganesh, Mr.S.Vimal, Mr.S.Chidambaram, Mr.V.Jacins and Ms.R.Lakshmi Devi** acted as Resource Persons for the EMC Academic Alliance Workshop on ‘Data Science and Big Data Analytics’ at NEC during January 19 – 25, 2018.

### **Department of ECE**

- ✓ **Mr.B.Ganapathy Ram**, AP/ECE, has delivered a guest lecture on ‘GATE-Signals and Systems’ at Government College of Engineering, Tirunelveli on January 20, 2018.
- ✓ **Dr.A.Shenbagavalli**, HOD/ECE acted as Chief Guest for ‘Thought Fest’ at Shrikarra Vidhya Mandir CBSE School, Sattur, Virudhunagar on January 27, 2018.

### **Department of EIE**

- ✓ **Dr.B.Sankaragomathi**, delivered a lecture in the AICTE sponsored National Seminar on Research Perspectives and Challenges in Instrumentation Aspects of IoT on ‘Intelligent IoT System and its Communication Technologies’ at NEC during October 25 – 27, 2017.
- ✓ **Dr.B.Sankaragomathi**, delivered a lecture in the ‘One day awareness program on NAAC - Revised Application format’ at FX Engineering College, Tirunelveli on November 10, 2017.

### **Department of Mechanical**

- ✓ **Dr.S.Iyahraja**, Asso. Prof./Mech. acted as the Resource Person and delivered a guest lecture on ‘Convergence of Nanotechnology and Medical Technology’ in the ICMR sponsored two day National Level Workshop on ‘Nanotechnology and Nanomaterials: Future Medicine in Treatment of Life Threatening Diseases’ at Government College of Engineering, Tirunelveli held on January 25, 2018.

### **Department of S&H**

- ✓ **Dr.M.A.Neelakantan**, HOD/S&H, delivered an expert lecture on ‘Microbiology Practical’ at K.R.College of Arts and Science, Kovilpatti on October 10, 2017.

### **PUBLICATIONS:**

#### **Books:**

- ✓ **Bakruthen,M., Willjuice Iruthayarajan,M.S. and Senthil Kumar,S.** EEE department authored a chapter in ‘Investigation on the Properties of Natural Esters Blended with Mineral Oil and Pyrolysis Oil as Liquid Insulation for High Voltage Transformers’, Lecture Notes in Electrical Engineering (Springer Nature), Vol. 446, pp.187-196, 2017. ISBN: 978 981 10 4851 7.
- ✓ **Nagalakshmi,S., Rohini,R.C. and Balakiruthiha,S.** EEE department authored a chapter in ‘Integration of wind power generators for the enhancement of profit by optima allocation of SVC’, Lecture Notes in Electrical Engineering (Springer Nature), Vol. 446, pp. 25-30, 2017. . ISBN: 978 981 10 4851 7.

**International Journals:**

**Department of CSE**

- ✓ **Maheswari, S.,** and Karpagam, G. R. (2017). Performance evaluation of semantic based service selection methods. *Elsevier: Computers & Electrical Engineering*. Online pages 1 - 12 [https://doi.org/10.1016/j.compeleceng.2017.10.006] ISSN: 0045-7906. [IF : 0.490]

**Department of IT**

- ✓ Karkuzhali, S., and **Dr.Manimegalai, D.,** (2018). Detection of hemorrhages in Retinal images using Hybrid Approach for Diagnosis of Diabetic retinopathy, *In International Journal on Advances in Computer Science, Engineering and Technology*, (Accepted for Publication), ISSN: 2321-9009. [IF : 0.41]
- ✓ **Vimal, S.,** and **Kaliappan, M.,** (2018). Optimization using artificial bee colony based clustering approach for big data, *Springer: In Journal of Cluster Computing*, (Accepted for Publication), ISSN: 1573-7543. [IF : 2.040]
- ✓ **Chidambaram, S.,** and **Srinivasagan, K, G.,** (2018). Performance Evaluation of support vector machine classification approaches in data mining, *Springer: In Journal of Cluster Computing*, Volume 14, Issue 7, Pages 3472-3481, ISSN: 1573-7543. [IF : 2.040]
- ✓ Siva Sankari, E., and **Dr.Manimegalai, D.,** (2017). Predicting Membrane protein types using various decision tree classifiers based on various modes of general PseAAC imbalanced datasets, *Elsevier: Journal of Theoretical Biology*, Volume 435, 2017, Pages 208-217, ISSN: 0022-5193.[IF:2.113]
- ✓ **Jackins, V.,** and Shalini Punithavathani, D. (2017). An anomaly based network intrusion detection using ensemble clustering, *In International Journal of Enterprise network Management*, (Accepted for Publication), ISSN: 1748-1260. [IF : 0.272]
- ✓ Karkuzhali, S., and **Dr.Manimegalai, D.** (2017). Computational intelligence-based decision support system for glaucoma detection. *Biomedical Research*, Volume 28, Issue 11, 2017. ISSN 0970-938X .[IF : 0.219]

**Department of EEE**

- ✓ Piraisoodi,T., **Willjuice Iruthayarajan, M.,** and Mohaidheen Abdul Kadhar, K. (2018). Application of Single and Multi-Objective Evolutionary Algorithms for Optimal Nonlinear Controller design in Boiler-Turbine system, *Springer: International Journal of Fuzzy Systems*, Volume 20, Issue 3, pages 803-816. [IF: 2.198]

**Department of ECE**

- ✓ Vairaprakash, S., and **Shenbagavalli, A.** (2017). A Discrete Rajan Transform-based robustness improvement encrypted watermark scheme backed by Support Vector Machine. *Elsevier: Computers & Electrical Engineering*. https://doi.org/10.1016/j.compeleceng.2017.12.029. ISSN 0045-7906. [IF: 1.57]

**Department of S&H**

- ✓ Balakrishnan, C. and Neelakantan, M. A. (2018). Crystal structure and bio-catalytic potential of oxovanadium (IV) Schiff base complexes derived from 2-hydroxy-4-(prop-2-yn-1-yloxy) benzaldehyde and alicyclic/aromatic diamines. *Inorganica Chimica Acta*, Volume 469, 2018 pages 503-514. [IF: 2.002]
- ✓ Neelakantan, M. A., Balamurugan, K., Balakrishnan, C., and Subha, L. (2018). Interaction of Amino Acid Schiff Base Metal Complexes with DNA/BSA Protein and Antibacterial Activity: Spectral Studies, DFT Calculations and Molecular Docking Simulations. *Applied Organometallic Chemistry*. Volume 32, Issue 4, 2018 pages e4259. [IF: 2.248]
- ✓ Subbulakshmi, P., Prakash, M., and Ramalakshmi, V. (2017) Honest Auction Based Spectrum Assignment and Exploiting Spectrum Sensing Data Falsification Attack Using Stochastic Game Theory in Wireless Cognitive Radio Network. Springer: *Wireless Personal Communications*, pages 1-18. [DOI:10.1007/s11277-017-2105-3] [IF:0.951]

**DEPARTMENTAL ACTIVITIES:****Department of Computer Science and Engineering (CSE):****CSE – Expert/Guest Lecture:**

- ✓ Mr. Shrinath Parikh, UT Dallas Alumni & Lead Big Data Analytics Engineer, Fujitsu, America has delivered Online Industrial expert lecture on ‘Predictive Maintenance and Remote Monitoring of wind turbines using IoT and Big Data’ through video conference at CSE Seminar Hall on October 5, 2017. Coordinated by Dr.V.Kalaivani.
- ✓ Mr. Magesh Tarala, UT Dallas Alumni & Founder and CEO at Alagar Inc., Texas, USA has delivered Online Industrial expert lecture on ‘Recent Advancements in Computing Technologies’ through video conference at CSE Seminar Hall on November 28, 2017. Coordinated by Dr.V.Kalaivani.

**CSE Faculties – FDP/Workshops/Seminar/Conference organized:**

- ✓ Organized AICTE sponsored two day National Conference on ‘Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular Communication’ during October 12 – 13, 2017. Organising Secretary: Dr.B.Paramsivan; Convener: Ms.J.Naskath; Coordinated by Ms.B.Shunmugapriya with a funding of Rs.1,00,000/-
- ✓ EPICS in IEEE Project three day Industry training programme on ‘Data Science and Machine Learning’ during November 24 – 26, 2017 and Coordinated by Dr.V.Gomathi.
- ✓ One day research motivation event on ‘Deep Learning’ using GPU Platform for Computer Vision Applications on January 27, 2018 and Coordinated by Dr.V.Gomathi.

**CSE Faculties – FDP/Workshops/Seminar/Conference attended:**

- ✓ Dr.V.Kavidha, participated in a FDP on Entrepreneurship sponsored by NSTEDB-DST, New Delhi under EDII-NIMAT project, Ahmedabad during December 04 – 16, 2017.
- ✓ Ms.B.Shunmugapriya, participated in the four days industrial training at M/s Besant Technologies, Chennai during January 26 – 29, 2018.

***CSE Students - Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ 41 CSE students attended various events such as In-plant training, Workshops, Group Discussions, Symposiums, Pre-Employment Training and Paper Presentations etc. during the month of October 2017 to January 2018.

***CSE - Association/Club/Chapter activities:***

**CSE Association**

- ✓ CSE Association conducted the following events:
  1. C-Codeathon on December 15, 2017.
  2. App Development using Android on January 06, 2017.
  3. Let's Spend Quality Time Together on January 10, 2017.
  4. Hi-Tech Fest'18 on January 18, 2017.
  5. Awareness about internship program and its impacts on January 19, 2017.
  6. App Development using Android on January 20, 2017.

**CSE - IEEE ITS Madras Chapter**

- ✓ IEEE ITS Madras Chapter, a technical awareness programme on 'Introduction to Computers' held on November 17, 2017. More than 70 Loyall Mill Government Higher Secondary School Students attended the event.
- ✓ IEEE ITS Madras Chapter, technical event on 'Steganography' held on December 14, 2017 at Smart Class Room of CSE, NEC.

**CSE - IE (I) Student Chapter**

- ✓ CSE IE (India) Student Chapter had conducted 'Code Debugging Contest' for CSE students on December 29, 2017.

First Prize: Ms.P.V.Gayathri & Ms.S.Kavitha, II CSE A

Second Prize: Ms.A.Mathi & Ms.S.Padmavathi, II CSE A

**Department of Information Technology (IT)**

***IT Faculties – FDP/Workshops/Seminar/Conference organized:***

- ✓ AICTE Sponsored, Faculty Development Programme on 'Data Science Research and Big Data Analytics' during December 11 – 23, 2017. Convener: **Dr.D.Manimegalai** and Coordinated by **Dr.M.Kaliappan** and **Mr.S.Vimal** with a funding of Rs. 3,25,000/-



- ✓ EMC Academic alliance Workshop on ‘Data Science and Big Data Analytics’ for IT department interested students during January 19 – 25, 2018.



- ✓ Conducted a Seminar on ‘Recent Trends in Data Science’ through Data Mining Special Interest Group (SIG) for II IT students on December 30, 2017.

#### ***IT Faculties – FDP/Workshops/Seminar/Conference attended:***

- ✓ **Mr.G.Pandiyarajan**, attended a FDP on Teaching Learning Centre at Indian Institute of Technology, Madras during November 1 – 3, 2017.
- ✓ **Ms.A.Mohanapriya** and **Ms.D.Priyanka**, attended the Faculty Enablement Program on ‘Foundation Program 4.1’ at Sethu Institute of Technology during November 6 – 10, 2017.
- ✓ **Mr.Chidambaram**, attended a FDP on ‘Data Science and its Research Challenges’ at Sri Ramakrishna Engineering College, Coimbatore during November 6 – 19, 2017.
- ✓ **Ms.V.Anitha**, attended GIAN course on ‘Remote Sensing Image Processing and Analysis’ at National Institute of Technology Karnataka, Surathkal during November 16 – 20, 2017.
- ✓ **Ms.A.Mohanapriya**, attended a FDP on ‘Entrepreneurship’ (NSTEDB), Department of Science and Technology (DST), New Delhi through EDII during December 4 – 16, 2017.
- ✓ **Dr.S.Sankar Ganesh**, **Dr.M.Kaliappan**, **Mr.R.Muthukkumar**, **Mr.S.Chidambaram**, **Mr.S.Vimal**, **Mr.L.Jerart Julius**, **Mr.V.Jackins**, **Mr.G.Pandiya Rajan**, **Ms.R.Lakshmi Devi**, and **Ms.D.Priyanka**, attended AICTE Sponsored FDP on Data Science Research and Big Data Analytics at NEC during December 11 – 13, 2017.
- ✓ **Mr.V.Jackins**, attended a FDP on ‘Recent Trends in Network Security’ (NetSec-2018) at ISEA & EICT Department of CSE, IIT Roorkee, during January 8 – 12, 2018.
- ✓ **Mr.L.Jerart Julius**, attended GIAN course on Fundamentals of Optical Wireless Communications at NIT, Nagpur during January 14 – 19, 2018.
- ✓ **Ms.R.Lakshmi Devi** and **Mrs.N.Gowthami**, attended a FDP on Deep Learning – Academic and Research perspectives at PSG College of Technology during January 24 - 25, 2018.

#### ***IT Faculties – Industrial Training attended:***

- ✓ **Dr.M.Kaliappan**, attended Industrial Training on ‘Entrepreneurship’ organized by PALS Reach at IITM Research Park, Chennai on November 8, 2017.



- ✓ **Mr.S.Chidambaram**, attended Industrial Training on ‘Data Analytics and Machine Learning’ organized by PALS Reach, IITM Research Park at M/s Latent View Technology, Chennai on December 19, 2017.
- ✓ **Mr.S.Rajagopal**, attended Industrial Training on ‘Digital Marketing’ organized by PALS Reach, IITM Research Park at BORN Ltd, Ramanujam IT Park, Taramani, Chennai on December 20, 2017.

### ***IT Students – Awards and Achievements:***

- ✓ **Ms.S.Theevika**, IV IT had successfully completed the ORACLE Academy ‘Database Design and Programming with SQL’ exam on January 3, 2018.

### ***IT Students - Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ 176 IT department students attended various events such as In-plant Training, Workshops, Group Discussions, Symposiums, Pre-Employment Training and Paper Presentations etc. during October 2017 to January 2018.

### ***IT – Association/Club/Chapter activities:***

#### **IT – Association**

- ✓ Through IT Association, III IT students conducted a Group Discussion Session for the II IT students on December 08, 2017.



- ✓ IT Association conducted PHOENIX-2017 (a mock interview) for III IT students by the placed students on December 15, 2017.



- ✓ **Mr.S.Sylvester**, (2015 Batch – CSE) Software Developer, KBS Tech Solutions, Chennai delivered a talk on ‘Clustering in Big Data’ on December 22, 2017.

## IT – IE (I) Students Chapter

IE (I) Students chapter, conducted Code Debugging contest for II IT students on January 04, 2018.



- ✓ A special talk on ‘Software faults and reliability’ was delivered by **Mr.V.Jackins**, AP/IT for II IT students on January 17, 2018 Forenoon session.

## IT – CSI Students Branch

NEC CSI Students branch had conducted ‘Pair with Contest’ on December 02, 2017 for CSE & IT Students. The team winners are Mr.M.Dinesh Kumar, Mr.S.Joshua Israel Muthu and Mr.L.Jeya Surya from CSE Department and runners are Mr.S.Prem Kumar, Mr.A.Ram Prasad and Mr.R.Kirubha Sundar from IT department.



NEC CSI Students branch had conducted ‘Code-a-thon’ contest on December 16, 2017 for CSE & IT students. The winners are Mr.A.Prabhakaran and Mr.R.Adithya from IT department.



Mr.S.Thiruchitambalam (2015 Batch – IT) Data Scientist, KBS Tech Solutions, Chennai, conducted a workshop on ‘Best Social Media Analytics Tools of 2017- Digital Marketing’ on December 21, 2017.



Dr.K.G.Srinivasagan had delivered special lecture on ‘Job Awareness Programme’ for II CSE & IT students organized by NEC CSI Students branch on January 06, 2018





NEC CSI Students branch had conducted 'Gaming Contest' for II CSE & IT students. The winners are Mr.M.Sundar, M.Ajoy Donison and Mr.S.Karthikeyan II CSE on January 06, 2018.

## Department of Electronics and Communication Engineering (ECE)

### *ECE Faculties – FDP/Workshops/Seminar/Conference attended:*

- ✓ **Ms.S.D.Jayavathi**, attended a three days FDP on 'Outcome Based Teaching Learning' at IIT Madras during November 01 – 03, 2017.
- ✓ **Dr.T.S.Arun Samuel**, attended International Conference on 'IoT based Milk Monitoring System for Detection of Milk Adulteration' at Kalasalingam Academy of Research and Education, Krinshnankovil during December 11 – 13, 2017.
- ✓ **Ms.C.Asha Beaula** and **Ms.S.Karthika** attended a 13 days FDP on 'Data Science Research and Big Data Analysis' at NEC, Kovilpatti during December 11 – 23, 2017.
- ✓ **Dr.A.Shenbagavalli** and **Mr.T.Vijayanandh** attended International Conference on 'International Radar Symposium India (IRSI) 2K17', Bangalore during December 12 – 13, 2017.
- ✓ **Mr.K.Subramanian**, attended International Conference on 'A Voronoi Based Multi Demend Target Coverage Optimisation using Directional Sensor Networks' at Anna University, CEG Campus, Chennai on December 22, 2017.
- ✓ **Mr.S.Cammillus**, attended International Conference on 'Arbitration Techniques to Reduce Switching Delay for NOC' at Anna University, Chennai on December 22, 2017.
- ✓ **Ms.S.Karthika**, **Ms.L.Krishna Kumari** and **Mr.I.Vivekanand**, attended GIAN Course on 'Advances in CMOS Clock Generation Circuits' at NIT, Warangal during December 25 – 29, 2017.
- ✓ **Mr.K.J.Prasanna Venkatesan**, attended GIAN Workshop on 'Vogue Technologies on 5G and 5G+ Communication and Vehicular Technology' at NIT, Trichy during December 26, 2017 to January 02, 2018.
- ✓ **Mr.B.Ganapathy Ram**, attended workshop on 'Orientation Program in Entrepreneurship' at NEC, Kovilpatti during December 27 – 30, 2017.
- ✓ **Ms.D.Abidha** and **Ms.P.Shiny Chandra Bai** attended Workshop on 'Embedded System Design Flow on ZYNQ using Vivado' at MIT, Chennai during January 05 – 06, 2018.
- ✓ **Dr.S.Tamil Selvi**, attended one day Workshop on 'Outcome Based Education (OBE): National & International Accreditation' at Thiagarajar College of Engineering, Madurai on January 07, 2018.
- ✓ **Dr.S.Tamil Selvi**, attended 5<sup>th</sup> International Conference on 'Transformations in Engineering Education - 2018' at Thiagarajar College of Engineering during January 08 – 09, 2018.

### ***ECE Faculties – Industrial Training attended:***

- ✓ **Mr.B.Ganapathy Ram**, attended a three month industrial training on ‘JAVA and Android’ at Vigime Tech and Pongu Ventures, Mumbai, through virtual learning by NEC Business Incubator during October 2017 to January 2018.
- ✓ **Mr.N.Arumugam**, attended Industrial Training Program on ‘Chip Testing’ at M/s Tessolve, Bangalore during November 21 – 23, 2017.

### ***ECE Alumni Interaction:***

NEC ECE Alumni Interaction with NBA expert team on December 9, 2017 at NEC Assembly Hall as follows:

- ✓ **Mr.A.K.Kannan** (2006 – 2010), Delivery Manager, Jasmine Infotech Private Ltd, Chennai
- ✓ **Mr.M.Prabhakaran** (2008 – 2012), Software Engineer, TCS, Chennai
- ✓ **Mr.S.Srinivasan** (2008 – 2012), Software Engineer, Astra Zeneca, Chennai
- ✓ **Mr.A.Krishnan** (2010 – 2014), Software Engineer, TCS, Chennai
- ✓ **Mr.Andrew Roobert** (2010 – 2014), TCS, Chennai.
- ✓ **Mr.S.Srinivasan** (2010 – 2014), Software Engineer, TCS, Chennai
- ✓ **Mr.K.Jeya Ganesh** (2010 – 2014), Software Engineer, Infosys, Chennai
- ✓ **Mr.P.Muthukumar** (2010 – 2014), Software Engineer, Maffire, Chennai
- ✓ **Ms.T.Menaga** (2012 – 2016), Assistant System Engineer, TCS, Chennai



### ***ECE Students – Awards and Achievements:***

- ✓ Ms.Meenakshi Murugappan, IV ECE successfully secured a score of 89% in the Common Admission Test (CAT), during November 2017.
- ✓ Ms.Meenakshi Murugappan, IV ECE successfully secured a composite score of 781.5 (99.62 percentile) in the Management Aptitude Test (MAT), during December 2017.

### ***ECE Students - Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ Ms.R.Surabhia, Ms.S.Sanofar Shifa and Ms.D.Meenu Sankari III ECE, had participated in the workshop on ‘Kaizen IoT’ at IIT Madras Research Park during December 16 - 17, 2017.
- ✓ Mr.C.GouthamKannappan, Mr.M.Siva Prakash, Mr.S.Antony Chrisanth, Mr.R.A.Jivesh, Mr.A.Varatharajan, Mr.J.Alwin Jeyaraj, Mr.M.Karthick and Mr.S.Daniel Christura attended a three day workshop on ‘Deep Learning’ in CODEUNO, Kurukshetra 2K18 at Anna University, CEG Campus, Chennai during January 31 to February 2, 2018.



- ✓ Ms.M.Lakshmiprabha, Ms.A.Monisha, Ms.G.Santhiya and Ms.S.S.Shuruthi attended a three day workshop on ‘Software Defined Radio and 5G’ in CODEUNO, Kurukshetra 2K18 at Anna University, CEG Campus, Chennai during January 31 to February 2, 2018.

### **In-plant Training**

- ✓ Ms.V.Preetha, Ms.M.Muthuudhaya, Ms.E.Priyadharshini, Ms.M.Nikitha, and Ms.I.Merlin II ECE, had undergone in-plant training at M/s All India Radio, Tirunelveli during November 13 – 17, 2017.
- ✓ Ms.G.Sivasakthi Meena, Ms.K.G.Karthika and Ms.M.Revathy II ECE, had successfully completed their in-plant training at M/s Uniq-Technologies, Tirunelveli during November 29 to December 03, 2017.

### **ECE – Association/Club/Chapter activities:**

#### **ECE – IE (I) Students Chapter**

NEC ECE IE (I) Student’s Chapter has organized a seminar on ‘Introduction to Surface Mount Technology’ for second and III ECE students during December 20 – 21, 2017.



#### **ISTE Student’s Chapter**

- ✓ Puzzle competitions conducted by Ms.M.Subbulakshmi, III IT on December 05, 2017.
- ✓ Mr.M.Kaliraj, IV EIE discussed about ‘Photoshop Software’ on December 19, 2017.
- ✓ Mr.P.Shyam IV EIE discussed about ‘App Inventor’ Application for Android App Development on December 26, 2017.
- ✓ Organized one day Seminar on ‘IoT in Real Life Application’ held on January 06, 2018.
- ✓ Solving ‘Aptitude Questions’ by Mr.K.Loga Ganapathy IV ECE on January 09, 2018.
- ✓ Mr.N.Loganathan, IV EIE shared his placement experience on January 24, 2018.

### **Department of Electrical and Electronics Engineering (EEE)**

#### **EEE Faculties – Expert/Guest Lecture:**

EEE department organized AICTE sponsored two weeks Faculty Development Training Programme on ‘Recent Trends and Applications of High Voltage Engineering’ during November 6 – 19, 2017 at NEC. The following faculties delivered special lectures on specified topic.

- **Dr.R.V.Maheswari**, Prof./EEE, ‘Introduction and Research Issues in HVE’ and ‘Application of Signal Processing Techniques to Condition Monitoring’.



- **Mr.N.B.Prakash**, Asso. Prof./EEE, ‘High Voltage Equipments’.
- **Mr.G.Kannayeram**, AP(SG)/EEE, ‘Recent Trends in HVDC/FACTS’.
- **Mr.M.P.E.Rajamani**, AP(SG)/EEE, ‘EMI/EMC’.
- **Mr.S.Senthil Kumar**, AP/EEE, ‘Introduction to High Voltage Switchgear’.
- **Mr.P.Samuel Pakianathan**, AP/EEE, ‘Breakdown Study in Dielectrics’, ‘Overvoltage Phenomena in Power Apparatus & System’, ‘Effect of Antioxidants in Insulating Oil’ and ‘Reclaiming of used Liquid Insulation’.
- **Mr.M.Bakruthen**, AP/EEE, ‘Introduction to High Voltage Switchgear’ and ‘Recent Development in Liquid Insulation’.
- **Mr.B.Vigneshwaran**, AP/EEE, ‘Characterization of Solid Insulation’, ‘Pollution Flashover Studies on Transmission Line Insulator’, ‘Partial discharge’ and ‘Simulation Tools for Field Computation’.
- **Mrs.G.Shunmuga Lakshmi**, AP/EEE, ‘EHV/UHV Transmission and Distribution Network’.
- **Mr.K.Kumar**, AP/EEE, ‘Outdoor Insulator: General Aspects’.

#### **EEE Faculties – FDP/Workshops/Seminar/Conference organized:**

- ✓ EEE department organized a two weeks Faculty Development Training Programme on “Recent Trends and Applications of High Voltage Engineering” during November 6 – 19, 2017 sponsored by AICTE and coordinated by **Dr.R.V.Maheswari**, Professor/EEE, **Mr.P.Samuel Pakianathan**, AP/EEE and **Mr.M.Bakruthen**, AP/EEE.

#### **EEE Faculties – FDP/Workshops/Seminar/Conference attended:**

- ✓ The following EEE department faculty members had participated in a two days training programme on ‘Training on Protection Relay-P14D’ at National Engineering College, Kovilpatti during October 24 - 25, 2017.
 

<ul style="list-style-type: none"> <li>– Dr.M.Willjuice Iruthayarajan, HOD</li> <li>– Dr.R.V.Maheswari, Professor</li> <li>– Mr.N.B.Prakash, Associate Professor</li> <li>– Mr.M.P.E.Rajamani, AP(SG)</li> <li>– Mr.S.Sankarakumar, AP(SG)</li> <li>– Mr.J.Sivadasan, AP(SG)</li> <li>– Mr.S.Senthilkumar, AP</li> <li>– Mr.B.Venkatasamy, AP</li> </ul>	<ul style="list-style-type: none"> <li>– Mr.P.Samuel Pakianathan, AP</li> <li>– Mr.M.Bakruthen, AP</li> <li>– Mr.B.Vigneshwaran, AP</li> <li>– Mr.M.Gengaraj, AP</li> <li>– Ms.G.Shunmugalakshmi, AP</li> <li>– Mr.M.Sivapalanirajan, AP</li> <li>– Mr.T.Sivakumar, AP</li> <li>– Mr.K.Kumar, AP</li> </ul>
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- ✓ **Ms.K.Gowthami**, and **Ms.E.Anitha**, attended a three days AICTE sponsored seminar on ‘Research perspectives and challenges in instrumentation aspects of IoT’ during October 25 – 27, 2017 at National Engineering College.
- ✓ **Mr.S.Sankarakumar**, **Mr.J.Sivadasan**, **Mr.S.Senthilkumar**, **Ms.K.Gowthami**, **Ms.S.Divya**, **Mr.B.Vigneshwaran**, **Ms.A.Tamilarasi**, **Ms.G.Shunmugalakshmi**, **Mr.T.Sivakumar**,

Mr.K.Kumar, Ms.J.Vinotha, Ms.S.Balakiruthiha, and Ms.S.Muthukumari, attended a two week AICTE sponsored Faculty Development Training Programme on ‘Recent trends and Applications of High Voltage Engineering’ during November 6 – 19, 2017 at NEC.

- ✓ Mr.M.Sivapalanirajan, AP/EEE attended a ‘NI Technical Symposium’ at National Instruments Pvt. Ltd., Chennai on November 09, 2017.
- ✓ Mr.M.Gengaraj, AP/EEE attended a two weeks AICTE sponsored Faculty Development Training Programme on ‘Recent developments in Modelling Design and Control of Power Converters and Drives’ during November 13 – 25, 2017 at Mepco Schlenk Engineering College, Sivakasi.
- ✓ Mr.N.B.Prakash, Asso. Prof./EEE and Mr.T.Sivakumar, AP/EEE participated a two days training programme on ‘Enhanced Training– Relay Protection’ during November 21 - 22, 2017 at GE T&D Pvt. Ltd., Chennai.
- ✓ Dr.M.Ravindran, Asso. Prof.(SG)/EEE participated a two weeks AICTE sponsored FDP on ‘Energy and power quality audit methodologies’ during November 27 – December 10, 2017.
- ✓ Mr.G.Kannayeram, AP(SG)/EEE and Mr.T.Sivakumar, AP/EEE participated in one week QIP sponsored Short term course on ‘Nascent Generation and Distribution Technologies and potential research problems in power systems’ at Pondicherry Engineering College during December 04 – 08, 2017
- ✓ Mr.R.Muniraj, AP(SG)/EEE, attended International Conference on ‘Cognitive Informatics and Soft Computing’ held at Vignana Bharathi Institute of Technology, Hyderabad during December 20 – 21, 2017.
- ✓ Dr.S.Kanagalakshmi, Asso. Prof./EEE and Mr.R.Muniraj, AP(SG)/EEE participated in one week GIAN course on ‘Model Predictive Control: Theory and Applications’ at IIT, Madras during January 29 – February 02, 2018.

#### ***EEE Faculties – Industrial Training attended:***

- ✓ Mr.S.Sankarakumar, attended industrial training organized by PALS at M/s L&T Rubber Processing Machinery, Chennai on November 09, 2017.
- ✓ Mr.J.Sivadasan, attended industrial training organized by PALS at M/s ELGI Equipments Ltd., Coimbatore on November 21, 2017.
- ✓ Mr.M.P.E.Rajamani, attended industrial training organized by PALS at M/s Power Gear Ltd., Chennai on November 24, 2017.
- ✓ Mr.K.Kumar, attended industrial training organized by PALS at M/s Mahindra Research Valley Pvt. Ltd., Chennai on December 05, 2017.

#### ***EEE Students – Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ Mr.T.Selvakumar, Mr.M.Sathish Kumar, Mr.S.Arun Kumar, Mr.I.Ramesh Moorthi and Mr.G.Viswanath, attended ‘4<sup>th</sup> International Conference on Electrical, Electronics, Instrumentation and Computer Communication (E<sup>2</sup>IC<sup>2</sup>)’ at Karpagam College of Engineering and Technology, Coimbatore on January 19 – 20, 2018.

- ✓ Ms.Cherma Jeya, K. and Ms.Saranya, S. II EEE, attended a symposium held at Bannari Amman Institute of Technology, Erode on January 24, 2018.
- ✓ Ms.Vavuniya, M. and Ms.Kowsalya, S. II EEE, attended a symposium held at Instrumentation Engineers Association, MIT, Anna University, Chennai on January 25, 2018.
- ✓ Mr.Veeraputhiran, E., Mr.Prasanna Venketeshan, N., Mr.Aravindhnan, R. and Mr.Kartheeswaran, M. III EEE, had undergone a workshop on ‘Embedded Systems Workshop’, at IISc, Bangalore during January 2018.

### Internship

- ✓ Mr.B.Mathana Gopal and Mr.R.Sritharan, IV EEE had undergone an Internship at M/s. Tessolve Semiconductor Pvt. Ltd., Bangalore during January 2018.
- ✓ Mr.R.Prem Kumar, IV EEE had undergone an Internship at M/s. Data Pattern Pvt. Ltd., Chennai during January 2018.

### EEE – Association/Club/Chapter activities:

- ✓ EEE Association organized Hands on Training on ‘Basics of MATLAB’ for II EEE students on every odd Saturday during October 2017 to January 2018.
- ✓ Special Interest Group (SIG), EEE department conducted the below mentioned Certificate Course and programme under different domains during October 2017 to January 2018.
  - Power Electronics and Drives
  - Control and Instrumentation
  - Embedded Systems
  - Power and Energy
  - High Voltage Engineering
- ✓ **Ms.K.Gowthami**, AP/EEE and **Ms.A.Tamilarasi**, AP/EEE had conducted a training programme on ‘Design of Electronic Circuits using PIC Microcontroller and FPGA based on Real Time Applications’ during December 16 & 30, 2017; January 6 & 20, 2018.
- ✓ EEE Association organized an Intra College Technical Symposium ‘TESLA 2k17’ on December 27, 2017.
- ✓ Social Awareness Cell, EEE department conducted an awareness programme on ‘Electricity usage, conservation and safety’ at AV Higher Sec. School, Kovilpatti on January 30, 2018.
- ✓ **Mr.R.Muniraj**, AP(SG)/EEE and **Mr.M.Sivapalanirajan** AP/EEE had conducted a training programme on ‘LABVIEW’ during the odd Saturdays of this academic year.
- ✓ **Mr.B.Venkatasamy** and **Mr.F.Antony Jeffry Vaz** AP/EEE have conducted a workshop on ‘Hands on training on Arduino’ during the odd Saturdays of this academic year.
- ✓ **Mr.B.Venkatasamy**, **Ms.K.Gowthami**, and **Mr.F.Antony Jeffry Vaz** AP/EEE have conducted a training programme under a ‘Mini Project Forum’ during the odd Saturdays of this academic year.

## Department of Electronic and Instrumentation Engineering (EIE)

### *EIE Faculties – FDP/Workshops/Seminar/Conference organized:*

- ✓ AICTE Sponsored National Seminar on ‘Research Perspectives and Challenges in Instrumentation Aspects of IoT’ during October 25 - 27, 2017. Convener: **Dr.B.Sankaragomathi**, HOD/EIE and Coordinated by **Ms.M.Carmel Sobia**, AP(SG)/EIE with a funding of Rs. 1,00,000/-



- ✓ Two days Faculty development programme on ‘Psychological Counselling’ for our 3 – 5 years experienced faculty members during November 20 – 21, 2017. Coordinated by Ms.P.Kavitha, AP(SG)/ECE and Ms.J.Janet Paulin, AP/EIE.

### *EIE Faculties – FDP/Workshops/Seminar/Conference attended:*

- ✓ **Dr.B.Sankaragomathi**, HOD/EIE, attended one day seminar on ‘Applications of Blooms Taxonomy for Teaching Learning Process’ at NEC on November 11, 2017.
- ✓ **Mr.S.Sivasuriyanarayanan**, AP/EIE has attended Faculty Development Programme on ‘Recent development in modeling, design and control of Power Converter and drives’ at Mepco Schlenk Engineering College, Sivakasi during November 13 - 25, 2017.

### *EIE Faculties – Interaction with Industrial Experts for Product Development:*

- ✓ **Mr.Jackson Daniel**, **Mr.V.Suresh**, **Dr.K.Shankar**, **Dr.R.Arun**, **Ms.J.Babitha Thangamalar**, and **Ms.J.Janet Paulin**, discussed with the Industrial Expert **Mr.G.G.Ayyapan**, Scientist / CSIO, Chennai at NEC on October 25, 2017.
- ✓ **Mr.Jackson Daniel**, **Mr.V.Suresh**, **Dr.K.Shankar**, **Mr.N.Chermakani**, **Mr.S.Siva Suriyanarayanan**, and **Mr.N.Mohamed Athil** discussed with the Industrial Expert **Mr.I.Shankar**, CEO, M/s Mathiimigal Tech. Pvt., Bangalore at NEC on October 26, 2017.
- ✓ **Dr.B.Sankaragomathi**, **Mr.Jackson Daniel**, **Mr.V.Suresh**, and **Dr.K.Shankar** discussed with the Industrial Expert **Mr.D.Karthikeyan**, MD, Controlsoft Engineering India Pvt Ltd, Chennai at NEC on October 27, 2017.

### *EIE Students – Awards and Achievements:*

- ✓ **Mr.S.V.Suriya**, IV EIE, has secured a score of 88 percentile in the Common Admission Test (CAT), during November 2017.
- ✓ **Mr.P.Shyam**, **Mr.M.Kaliraj** and **Mr.D.Manoj** department of EIE have received a fund of Rs.10,000/- from NEC Alumni Association for the project titled on ‘Autonomous Unmanned Aerial Vehicle for search and Rescue Operation’ on January 27, 2018 under guidance of **Dr.S.Manikandan**, Asso. Prof./EIE.

**EIE – Alumni Interaction:**



**Mr.Parthiban** (2013 Batch)  
KPIT Technologies, Bangalore  
interacted with III EIE Students  
on December 18, 2017

**EIE Students - Workshop/Seminar/Industry/In-plant Training/Symposium attended:**

II & III EIE students attended two days  
workshop on 'Python' at NEC during  
December 15 – 16, 2017



- ✓ Two days hands on training on 'Python Programming for IoT' for the EIE students during December 15 – 16, 2017.



**In-plant Training**

- ✓ Mr.J.Mano Gnana Devadoss, Mr.M.Maharaja, Mr.S.Aswin Raj and Mr.M.Veera Santhi Ram, had undergone in-plant training at M/s Mathiimigal Tech. Pvt. Ltd., Bangalore during December 04 – 08, 2017.
- ✓ Ms.G.Selva Bharathi, Ms.J.Sakiladevi, and Ms.J.Rajeswari, had undergone in-plant training at Hindustan Organic Chemicals Ltd., Kochi during December 11- 15, 2017.
- ✓ Mr.S.Kanaga Sabapathy, Mr.S.Aswin Kumar, Mr.T.Ramkumar, and Mr.G.Immanuel had undergone an in-plant training at M/S Trends Instrumentation and Automation Pvt. Ltd, BPCL, Tirunelveli during December 18 – 22, 2017.
- ✓ Ms.K.Kavya, Ms.J.Swethaja and Ms.J.Jenisha had undergone an in-plant training at M/s Sterlite Copper, Thoothukudi during November 13 - 14, 2017



***EIE – Association/Club/Chapter activities:***

**IE (I) Students' Chapter**

- ✓ Discussed about Technical Courses fundamentals overview on October 10, 2017.
- ✓ Discussed in Special Interest Activities in Core/Software Jobs on October 26, 2017.
- ✓ Discussed about GATE/GRE/TOEFL/CAT preparation on November 14, 2017.
- ✓ Discussed about Instrumentation Engineers Profile preparation on November 23, 2017.
- ✓ Discussion about Process Industries on December 12 & 21, 2017.
- ✓ Debate on recent issues related to education was conducted on January 11, 2018.

**ISOI - Students' Chapter**

- ✓ TECHQUEST (Technical Quiz and Connection) was conducted on December 05 – 06, 2017.
- ✓ Graduate Engineering Test on Instrumentation (GETIN) was conducted on January 27, 2018.

**EIE – EDC**

- ✓ A group of 17 students from EIE department had participated in ‘Entrepreneurship Lecture Series-ELS-A Success story’ at NEC on October 03, 2017.
- ✓ Mr.P.Athesh, III EIE and Mr.J.Kamesh, III EIE had attended two days workshop on ‘Design Thinking & Student Design project’ jointly organized EDII and IIITD&M, Kanchipuram during December 7 – 8, 2017
- ✓ Mr.V.Ramjikollappan, III EIE, had attended three days residential workshop on ‘Think Create Engineer’ at IIT Madras during December 27 – 29, 2017.

**Department of Civil Engineering**

***Civil Faculties – FDP/Workshops/Seminar/Conference organized:***

- ✓ **Ms.R.Venkadalakshmi**, AP/Civil organized a guest lecture on ‘CAD-3D Modeling’ for III Civil Students at NEC on December 13, 2017.

***Civil Faculties – FDP/Workshops/Seminar/Conference attended:***

- ✓ **Ms.C.Chella Gita**, participated in a Faculty Development Programme on ‘Pedagogy Principles’ organized by Teaching Learning Centre, IITMadras during November 1 – 3, 2017.
- ✓ **Mr.P.S.Naufal Rizwan**, **Ms.S.Jansi Sheela** and **Ms.A.Gayathiri**, participated in a Faculty Development Programme on ‘Stability Design of Steel Buildings’ at Department of Civil Engineering, IIT Madras during November 6 – 11, 2017
- ✓ **Mr.M.V.Mohammed Haneef**, participated in a Faculty Development Programme on ‘Environmental Impact Assessment’ at Department of Civil Engineering, NITTTRC Chennai during November 27 – December 01, 2017
- ✓ **Ms.R.Venkadalakshmi**, had attended the three days Programme on ‘Think Create Engineers’ organized by PALS Association, IIT Madras on December 27 – 29, 2018.
- ✓ **Mr.M.V.Mohammed Haneef**, had attended the two days National Workshop on ‘Carbon Capture and Sequestration’ organized by Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore on January 4 & 5, 2018.

**Civil Students – Workshop/Seminar/Industry/In-plant Training/Symposium attended:**

- ✓ II Year (2016 – 2020 Batch) Students had undergone Industrial visit to ‘Brick Manufacturing Unit’, Kundampatti on December 16, 2017.
- ✓ Ms.R.Anushri III Civil had attended the Programme on ‘Think Create Engineers’ at PALS Association, IIT Madras during December 27 – 29, 2018.
- ✓ The following III Civil students had undergone one day National level Workshop on “AutoCAD” at IIT Madras, Research Park on December 30, 2017.
 

☞ Mr.R.Arunkumar	☞ Mr.S.R.Thirumurugan
☞ Mr.B.Manickam	☞ Mr.S.Sarathy
☞ Mr.M.Raj Kumar	☞ Mr.P.Athi Muthu Kumar
☞ Mr.A.Muthu Shiva Shankar	☞ Mr.R.M.Karuppan Chetty Karathik
☞ Mr.C.B.Raam Balaji	☞ Mr.T.Vembu Raj
☞ Mr.S.P.Aakash	
- ✓ The following III Civil students had undergone three days training programme on ‘Safety in Construction’ Mepco Schlenk Engineering College, Sivakasi during January 22 – 24, 2018.
 

☞ Ms.I.Grace Sushma	☞ Ms.M.Rama Lakshmi
☞ Mr.K.Mahendran	☞ Ms.R.Ramya
☞ Mr.S.Manoj	☞ Ms.R.Kannan
☞ Mr.C.Mariappan	☞ Mr.T.Manikandan
☞ Ms.M.T.Raagavi	

**In-plant Training**

- ✓ Mr.E.Vandimuthu, IV Civil had undergone 17 days in-plant training at M/s Gokulam Construction during November 05 – 21, 2017.
- ✓ Mr.M.Madasamy, Mr.M.Kathirvel, and Mr.E.Arumugapandi IV Civil had undergone 16 days in-plant training at M/s Prem Construction during November 05 – 20, 2017.

**Department of Mechanical Engineering**

**Mechanical Faculties – Expert/Guest Lecture:**

- ✓ **Dr.H.Kanagasabapathy** had delivered special lecture on ‘Source of Information’, in Faculty Development Program on Entrepreneurship at NEC IED Cell, on December 12, 2018.
- ✓ **Dr.R.Sundarraj** had delivered special lecture on ‘Break Even Analysis’, in Faculty Development Program on Entrepreneurship at NEC IED Cell, on December 13, 2018.

**Mechanical Faculties – FDP/Workshops/Seminar/Conference organized:**

- ✓ Nissan sponsored ‘Employability Skill Enhancement Training’ for 120 Students (15 students from NEC and remaining from other Colleges) organized by Anna University, Chennai and NEC and Coordinated by **Mr.R.Vijaya Kumar**, and **Mr.A.Arul Marcel Moshi** during December 08 – 19, 2017.

***Mechanical Faculties – FDP/Workshops/Seminar/Conference attended:***

- ✓ **Mr.A.Arul Marcel Moshi** and **Mr.P.Ramprakash**, attended one day workshop on ‘Solid Works 2018’ at Maddison Blue, Coimbatore on October 6, 2017.
- ✓ **Mr.S.Vinoth Kumar**, attended Short Term Course on ‘Materials Chemistry: Solids, Nanomaterials and semiconductors’ at IIT Madras during October 29 to November 5, 2017.
- ✓ **Mr.K.Sudalaiyandi**, attended three days workshop on ‘Faculty Development Programme’ at IIT Madras during November 01 – 03, 2017.
- ✓ **Mr.M.Karuppaiah Rajkumar**, **Mr.P.Samuel Ponraj**, **Mr.A.Andrews**, and **Mr.R.Jayavenkatesh**, attended FDP on ‘Empowering Teachers in Life Skills Education’ at NIT, Trichy during November 6 – 10, 2017.
- ✓ **Dr.T.Sakthi**, attended two weeks Faculty Development Programme at National Engineering College, Kovilpatti during December 4 - 16, 2017.
- ✓ **Mr.A.Andrews**, attended two days workshop on ‘Vibration Based Condition Monitoring’ at Hindhustan Institute of Science & Technology, Chennai during January 10 - 11, 2018.

***Mechanical Students – Awards and Achievements:***

- ✓ **Mr.S.Muruganantham**, **Mr.S.Sankarapandi**, **Mr.S.Mohana Sundaram** and **Mr.S.Mohamedhussain**, department of Mechanical Engineering had received **Best Project Award** from **NEC Alumni Association** project titled on ‘Development of Heat Resisting Panels for Cold Storage using Residue from Water Treatment Plant’ of **Rs.10,000/-** on January 27, 2018 and mentored by **Mr.I.Sankar, AP (SG)**, Mechanical Engineering.

***Mechanical Students – Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ 52 Mechanical students had attended various events such as Automeet 2018, Shaastra 2018, Technical Symposium, Pravega 2018 and Autotronics 2018 at Top Engineers, IIT Madras, NIT Trichy, IISC Bangalore, GCE Chennai etc. during January 2018.

**Internship**

- ✓ **Mr.M.M.Ajeeth** and **Mr.K.Selva Muthu Kumaran** II Mech. had undergone internship training at M/s Tractors and Farm Equipment Limited, Bangalore during November 6 – 17, 2017.
- ✓ **Mr.R.Muthu Ganesh**, IV Mech., had undergone internship training at M/s Anugraha Valve Castings Limited, Coimbatore during November 20 – 25, 2017.
- ✓ **Mr.G.Suresh**, **Mr.S.Rajsundar**, **Mr.A.Nirmal Jones** and **Mr.S.Samrat** IV Mech., had undergone internship training at M/s TVS Sundaram Clayton Limited, Chennai during January 2 - 13, 2018.
- ✓ **Mr.K.Paramasivam**, **Mr.G.Pon Mullai Narayanan**, **Mr.K.Rakesh** and **Mr.S.Rakul**, IV Mech., had undergone internship training at M/s Excel Die Casting, Chennai during January 20, 2018 to February 8, 2018.

### In-plant Training

- ✓ Mr.R.Sathish Kumar, Mr.J.Kannan and E.Maheshwar Esakki, II Mech., had undergone their in-plant training at The India Cements Ltd., Tirunelveli during November 13 - 18, 2017.
- ✓ Mr.E.Gabriel Rajan, Mr.R.Muthuganesh, Mr.S.Ramji and Mr.K.Sankarganesh IV Mech., had undergone their in-plant training at M/s Anugraha Valve Castings Limited, Coimbatore during November 20 - 25, 2017.
- ✓ Mr.A.Anandha Maharajan, Mr.P.Mageshwaran and Mr.S.Sankarapandi IV Mech., had undergone their in-plant training at M/s Hyundai Motors, Chennai during January 22 – 25, 2018.
- ✓ Mr.A.Anandha Maharajan, Mr.P.Mageshwaran and Mr.S.Sankarapandi IV Mech., had undergone their in-plant training at M/s Hanil Tube India Private Limited, Kancheepuram during January 29 to February 2, 2018.

### Mechanical Students - Placement Training:

- ✓ Mr.P.R.Avinash, Mr.N.Madhan Kumar, Mr.Nirmal Maharaj and Mr.S.Srisudhan IV Mech., underwent for placement training at M/s Zoho Corporation, Chennai during November 28 to December 28, 2017.

### Department of Science and Humanities

#### State Level Quiz Competition - 2017:

- ✓ National Engineering College, Kovilpatti has organized a State Level Quiz competition for higher secondary school students on October 27, 2017. Dr.Sumanth.C.Raman acted as Quiz Master and also the chief guest for the event.



Prize Winners:

- |                                    |   |  |
|------------------------------------|---|--|
| 1 <sup>st</sup> Prize Rs. 25,000/- | : | Rishekish, R. and Vignesh Srinivasan, R.<br>T.V.S. Matriculation Hr. Sec. School, Madurai.   |
| 2 <sup>nd</sup> Prize Rs. 15,000/- | : | Sri Siva Murugan, V. and Jothi Ramaligam, A.<br>Sri Jayendra Saraswathi Swamigal Golden Jubilee<br>Matric. Hr. Sec. School, Tirunelveli. |
| 3 <sup>rd</sup> Prize Rs. 10,000/- | : | Dhanajeyam, M.S. and Arthy Shakthi Bala, C.R.<br>Pushpalatha Vidya Mandir. Hr.Sec.School,Tirunelveli.                                    |

Consolation Prizes Rs. 5,000/-

1. Mahadevam, K.V. and Roger.M.Lawvo, Christuraja Matric. Hr. Sec. School, Marthandam.
2. Thahir, M.A. and Mohammed Ibrahim,M.N, L.K. Hr. Sec. School, Kayalpatinam.
3. Vignesh Chandar.B and Kandan.S, Cathedral Hr. Sec. School, Palayamkottai.
4. Akshya Lakshmi.G.B and Mana Seeka.M, P.S.Chidambara NGHS School, Virudhunagar.
5. Naveen Prakaashan.K.S.V. and Udhaya Raja.J, The Sivakasi Lions MHSec.School, Sivakasi.
6. Subash.A and Abishek.M, Hilton Matric. Hr. Sec. School, Courtrallam.
7. Natarajan.S and Surya Narayanan.P, Sri Jayendra Swamigal Silver Jubilee School, Tirunelveli
8. Balaji.D and Madhavan.R, Keren .Matric. Hr.Sec. School, K.Puliyankulam, Madurai.
9. Balu.R and Harish.R, Y.R.T.V. Hr. Sec.School, Sivakasi.
10. Rithik Sushil.A.R., and Jeya Kumaran.M, Sivakasi Jaycees MHS School, Villampatti.

152 participants from 76 Higher Secondary Schools from various districts of Tamil Nadu participated in this State Level Quiz Competition.

### ***Reach Your Crest - 2017:***

Reach Your Crest – 2017 (Motivational Program) was organized for +2 students on December 28, 2017. Dr.A.Anitha, Chief Educational Officer, Thoothukudi District acted as Chief Guest and Mrs.T.Rajeswari, District Educational Officer, Kovilpatti acted as the Special Guest. Nearly 500 students from Kovilpatti Educational District participated in this program.



### ***S&H Faculties – FDP/Workshops/Seminar/Conference organized:***

- ✓ Department of S&H conducted the paper presentation competition for I year students on November 18, 2017.

Winners of:

First Prize	-	Ms.Maria Infant Roshaliya Fernando, P.
Second Prize	-	Mr.Hariharan, S.
Third Prize	-	Ms.Nishanthi, L.
Fourth Prize	-	Ms.Rajanayaki, S.
Consolation Prize	-	Ms.Esakkiammal, M.
Consolation Prize	-	Mr.Maheshkannan, S.

- ✓ Department of S&H conducted the picture description competition (preliminary) for I year students during January 29 - 31, 2018.



***S&H Faculties – FDP/Workshops/Seminar/Conference attended:***

- ✓ **Ms.P.Annalakshmi**, AP/English, attended National Workshop on ‘Framing English Curriculum in Engineering Institutions: Innovations and Challenges’ at PSG College of Technology, Coimbatore during October 13 – 14, 2017.
- ✓ **Mr.J.Thamba**, AP/Chemistry, attended National Workshop on ‘Theory and Applications of Single Crystal X-Ray Diffraction’ at SAIF, IITM, Chennai during November 08- 10, 2017.
- ✓ **Dr.S.S.Mariappan**, Asso. Prof.(SG)/Chemistry, had attended International Conference on ‘Molecular Spectroscopy (ICMS-2017)’ at Mahatma Gandhi University, Kottayam, Kerala during December 08 – 10, 2017.
- ✓ **Dr.M.A.Neelakantan**, HOD/S&H, had attended Symposium on ‘Modern Trends in Inorganic Chemistry’ at CSIR-NCL, Pune during December 11 – 14, 2017.
- ✓ **Ms.P.Gomathy**, AP(SG)/Physics, had attended Short Term Course (FDP) on ‘Recent Advances in Materials Science’ at Thiagarajar College of Engineering, Madurai during December 14 – 20, 2017.
- ✓ **Dr.M.A.Neelakantan** HOD/S&H, and **Mr J.Thamba** AP/Chemistry, had attended National Seminar on ‘Advanced Oxidation Processes’ at Anna University (BIT Campus), Trichy during December 17 – 19, 2017.
- ✓ **Dr.S.Thalamuthu**, AP(SG)/Chemistry, had attended GIAN programme on ‘Inorganic Chemistry of imaging: Magnetic resonance and optical imaging with coordination complexes’ organized by Discipline of Chemistry, IIT, Indore during January 08 – 12, 2018.

***S&H Students - Workshop/Seminar/Industry/In-plant Training/Symposium attended:***

- ✓ **Ms.T.A.Nanthiny**, **Ms.R.Roshini**, **Ms.P.Kavya**, **Ms.P.Ramasanthosi** and **Mr.L.U.Pradeep Kumar** I ECE students had attended the Specialized Training on ‘Networking’ at BSNL, Tirunelveli during January 09 – 11, 2018.
- ✓ **Mr.V.Yogesh**, I CSE, **Mr.M.Meenakshi Sundaram** I Mech, and **Mr.P.Nithesh**, I Mech had completed ‘INTECH OLYMPIAD 2017 – Stage 3’ at College of Engineering, Pune.

***S&H – Student’s Activities:***

- ✓ **Ms.T.A.Nanthiny**, I ECE won the second prize on ‘Elocution Contest in C/W Wildlife Week Celebrations’ at C/W Wildlife Week Celebrations, District Science Centre, Tirunelveli on October 11, 2017.
- ✓ **Ms.S.Vaishnavi**, I EIE had participated on ‘Elocution Contest in C/W Wildlife Week Celebrations’ at C/W Wildlife Week Celebrations, District Science Centre, Tirunelveli on October 11, 2017.
- ✓ **Mr.K.Maharaja Selva Esvar** and **Mr.J.David Prasannaraj**, I Mech had participated on ‘Silver Jubilee Cavalier Dr.G.K. Devarajulu Memorial State Level Inter Collegiate Quiz Competition’ at G.Venkataswamy Naidu College, Kovilpatti on October 12, 2017.

### Dean (Academic)

- ✓ Students startups, Online Training on ‘Basic Java for Android Applications’ was conducted by Vagmine Technologies, Thanjavur for 25 students during November 2017 – January 2018.
- ✓ **Dr.K.Manisekar**, Prof. & Dean (Academic) attended two day Conference on ‘Developed Village – Developed Nation’ organized by AICTE, New Delhi on November 29 & 30, 2017.
- ✓ **Dr.K.Manisekar**, Dean (Academic) and **Mr.M.Sathish Kumar**, AP/ECE attended in AICTE workshop on ‘Various AICTE’S Initiatives for Technical Institutions’ at SRM Hotel, Trichy on December 18, 2017.
- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 11, 2017 for Information Technology Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 17, 2017 for Electrical and Electronics Engineering Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 18, 2017 for Electronics and Communication Engineering Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 18, 2017 for Computer Science Engineering Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 18, 2017 for Electronics and Instrumentation Engineering Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 18, 2017 for Civil Engineering Department.



- ✓ 8<sup>th</sup> Board of Studies Meeting held on November 25, 2017 for Mechanical Engineering Department.





- ✓ 8<sup>th</sup> Academic Council Meeting held on December 02, 2017 at NEC.



- ✓ 13<sup>th</sup> Internal Quality Assurance Cell (IQAC) Meeting held on January 20, 2018 at NEC.



## Central Library

- ☞ Readers Park, organized an oration about Reading and its importance to the students entitled on 'Impact of Reading' on December 05, 2017. Nearly 20 members participated.
  - ☞ Readers Park, conducted the event on 'Aptitude Solving' on December 12, 2017. Ms.V.Padhma Priya, III IT, acted as moderator of the event. Nearly 32 members participated.
  - ☞ Readers Park, conducted the event on 'Techno Talk' on December 19, 2017. Mr.A.Velrajan and Mr.R.Vigneswaran from II CSE coordinated the event. Nearly 26 members participated.
  - ☞ Readers Park conducted the '**Intra College Quiz – 2018**' during January 18 – 24, 2018 at Central Library. The following quizzes were scheduled in order to enhance the knowledge and to provoke the reading habits of students:
1. **Newspaper Review Quiz – 2018** on January 18, 2018.

The winners are:

I Prize	1.	Mr.R.Aravindhan	III – EEE
	2.	Mr.S.Ariharan	III – EEE
II Prize	1.	Mr.M.Sankar Ramaguru	IV – EIE
	2.	Mr.M.Veera Shanthi Ram	IV – EIE
III Prize	1.	Mr.S.S.Siva Shankar	IV – EEE
	2.	Mr.K.P.Shanmuga Sundar	IV – EEE

2. **Magazine Review Quiz – 2018** on January 23, 2018.

The winners are:

I Prize	1.	Mr.P.Periyanayaga Nathan	II – Mech
	2.	Mr.S.Arunraj	II – Mech
II Prize	1.	Mr.K.R.Praveen Krishna	II – Mech
	2.	Mr.A.Mohamed Sharoon	II – Mech
III Prize	1.	Ms.P.Gomathi Naayagi	III – Civil
	2.	Ms.R.Anushri	III – Civil

3. **Book Review Quiz – 2018** on January 24, 2018.

The winners are:

I Prize	1.	Mr.R.Aravindhan	III – EEE
	2.	Mr.S.Ariharan	III – EEE
II Prize	1.	Mr.P.Periyanayaga Nathan	II – Mech
	2.	Mr.S.Arunraj	II – Mech
III Prize	1.	Ms.R.Abineshwari Devi	II – ECE
	2.	Ms.M.Harini	II – ECE

**Free Open Source Software (FOSS), Spoken Tutorials, IIT Bombay Workshops organized:**

NEC Central Library organized various **FOSS workshops** and training offered by the **Spoken Tutorial Project, IIT Bombay** funded by NMEICT, MHRD, Government of India, **Dr.S.Tamil Selvi**, HOD-ECE 'PG' is the convener and coordinated by **Mr. K. Karunai Raghavan**, Librarian.

- ✓ **Dr.S.Tamil Selvi** HOD, ECE-PG, acted as organizer for FOSS Workshop on '**Linux**' through Spoken Tutorial, IIT Bombay on January 10, 2018. Nearly 149 students participated.
- ✓ **Mr.K.Karunai Raghavan**, Librarian, acted as organizer for FOSS Workshop on '**LibreOffice**' through Spoken Tutorial, IIT Bombay on January 22, 2018. Nearly 76 students participated.







**NPTEL, IIT Madras**

Faculty members and Students have been attending the NPTEL Online courses regularly to update their knowledge in the relevant field.







The following faculty members were NPTEL Exams Toppers during the period Jul. – Dec. 2017.

Advances in UHV Transmission and Distribution	Design of Reinforced Concrete Structures	Developing Soft Skills and Personality	Introduction to Research	Cloud Computing	Fundamentals of Database Systems
					
<b>Bakruthen, M.</b> AP, EEE, 99% 1% Topper	<b>Sebastin, S.</b> AP, Civil, 95% 5% Topper	<b>Gajalakshmi, S.</b> AP, S&H, 94% 2% Topper	<b>Balakiruthiha, S.</b> AP, EEE, 91% Gold	<b>Arunpriya, S.</b> AP,CSE, 89% 1% Topper	<b>Sivakama Sundari, G.</b> AP, CSE, 88% 1% Topper



Introduction to Internet of Things	Fundamentals of Database Systems	Introduction to Modern Application Development	Outcome based Pedagogic Principles for Effective Teaching	Fundamentals of Manufacturing Processes	Fundamentals of Materials Processing - I
					
<b>Abidha, D.</b> AP, ECE, 86% 5% Topper	<b>Jyothir Bindhu, V.</b> AP, CSE, 86% 2% Topper	<b>Bhuvaneswari, M.</b> AP(SG), CSE, 85% 5% Topper	<b>Abidha, D.</b> AP, ECE, 83% 2% Topper	<b>Arulselvan, S.</b> AP, Mech, 79% 5% Topper	<b>Harihara Sakthisudhan, P.</b> AP, Mech., 72% Topper

The following students were NPTEL Toppers during the period July – December 2017.

Structural Analysis - I	Soft Skills		Technical English for Engineers		
					
<b>Nishanthi, P.</b> IV – Civil, 92% Gold	<b>Merlin Freeda, G.</b> IV – ECE, 87% 5% Topper	<b>Subaranjani, S.</b> II – Civil, 87% 5% Topper	<b>Pavithra, T.</b> I CSE, 84% 1% Topper	<b>Angelin Anitha, D.</b> I – EEE, 78% 5% Topper	<b>Miracle Chriz Davidson, V.</b> I – IT, 77% 5% Topper

### **NPTEL Results during the period July – December 2017 (Course wise)**

NPTEL Result Analysis - September 2017 Session			
Sl. No.	Name of the Course	Appeared	Certified
1	Advances in UHV Transmission and Distribution	2	2
2	Basic electrical circuits	4	1
3	Biology for engineers and other non-biologists	1	1
4	Cognition, Transformation and Lives	2	2
5	Design for internet of things	1	1
6	Developing Soft Skills and Personality	57	55
7	Educational leadership	1	1
8	Foundation of computational fluid dynamics	1	1
9	Fundamentals of Database Systems	7	7
10	Fundamentals of Material Processing - I	2	2
11	Introduction To Cryptology	5	5

12	Introduction to Modern Application Development	3	3
13	Introduction to operating systems	2	2
14	Introduction to Programming in C	1	1
15	Introduction to Psychology	2	2
16	Introduction to R Software	3	3
17	Introduction to research	1	1
18	Laws of thermodynamics	18	14
19	Literature for competitive exams	2	2
20	Manufacturing of Composites	7	7
21	Microwave integrated circuits	1	1
22	Numerical methods	2	0
23	Outcome based pedagogic principles for effective teaching	6	6
24	Processing of Polymers and Polymer Composites	12	12
25	Programming in C++	13	12
26	Programming, data structures and algorithms using python	7	7
27	Refrigeration And Air-Conditioning	10	9
28	Technical English for Engineers	336	322
29	Theory of Computation	2	2
<b>Total</b>		<b>511</b>	<b>484</b>

<b>NPTEL Result Analysis – October 2017 Session</b>			
<b>Sl. No.</b>	<b>Name of the Course</b>	<b>Appeared</b>	<b>Certified</b>
1	Aircraft Design	13	13
2	Cloud computing	3	3
3	Computational Electromagnetics & Applications	1	0
4	Computer architecture and organization	2	2
5	Control engineering	1	1
6	Design of reinforced concrete structures	4	4
7	Design of steel structures	2	2
8	Differential equations for engineers	1	0
9	Digital speech processing	1	0
10	Electrical machines - I	3	3
11	Energy conservation and waste heat recovery	4	3
12	Engineering fracture mechanics	1	0
13	Fundamentals of manufacturing processes	10	7
14	Graph Theory	4	4
15	Industrial Instrumentation	2	1
16	Introduction to internet of things	8	8

17	Introduction to Wireless and Cellular Communications	3	3
18	Manufacturing Systems Technology I & II	1	1
19	Mechanics of Solids	1	1
20	Power system analysis	1	1
21	Project management for managers	1	1
22	Social Networks	1	1
23	Soft skills	90	88
24	Solid state physics	1	1
25	Strength of materials	37	33
26	Structural Analysis - I	24	24
27	Total Quality Management - I	8	7
<b>Total</b>		<b>228</b>	<b>212</b>

## Physical Education

### ***Tournaments Organized:***

- ✓ Physical Education department organized the **State Level Chess Tournament** during December 24 & 25, 2017 at NEC Auditorium.



### ***Silambam Coaching Camp:***

- ✓ Physical Education department organized the **State Level Silambam Coaching Camp** during December 26 – 30, 2017 at NEC.



### Inter College Athletic Meet:

- ✓ The Zone -18, Anna University, Chennai **Inter College Athletic Meet** held at Mepco Schlenk Engineering College, Sivakasi during October 8 – 10, 2017. The winners are

Mr.P.M.Ponjeyam, II EIE	–	<b>High Jump</b>	:	I Place
Ms.B.Jesu Pelsy, III ECE	–	<b>Long Jump</b>	:	I Place
Ms.B.Jesu Pelsy, III ECE	–	<b>100 Mts Dash</b>	:	II Place
Ms.R.Dinakar Raj, IV EEE	–	<b>4X100 Mts Relay</b>	Race:	II Place
Mr.R.Balaji, III EEE	–	<b>4X100 Mts Relay</b>	Race:	II Place
Mr.S.Sivakumar, III EEE	–	<b>4X100 Mts Relay</b>	Race:	II Place
Mr.A.Baskar, IV EIE	–	<b>4X100 Mts Relay</b>	Race:	II Place
Ms.R.Dinakar Raj, IV EEE	–	<b>Long Jump</b>	:	III Place
Mr.R.Balaji, III EEE	–	<b>Triple Jump</b>	:	III Place
Ms.M.Subalakshmi-III ECE	–	<b>800 Mts Run</b>	:	III Place

### CLUB ACTIVITIES

#### NEC IAS Academy:

- ✓ NEC IAS Academy conducted the regular classes such as Introduction to Syllabus for preliminary examinations, generated Google classroom, General Knowledge, Reasoning Ability, Previous Year Question paper with answers and Competitive Exam Questions during October 2017 – January 2018.

#### Maths Club:

- ✓ Maths Club trained I B.E. / B.Tech. Students on Aptitude, GATE, Analytical Skills, Puzzles and Mathematical tricks on October 07 & 21, 2017. Nearly 170 students participated.

#### Science Club:

- ✓ Science Club has arranged an event on '**Dr.APJ Abdul Kalam – Science Yatra**' for the following School Students on October 09, 2017 at NEC, Kovilpatti

– K.R.Saradha Higher Secondary School	–	99	students
– Lakshmi Mills Higher Secondary School	–	111	students
– Nadar Higher Secondary School	–	50	students
– Counian Matric Higher Secondary School	–	84	Students



### Quiz Club:

- Mr.K.Maharaja Selvaeswar and Mr.J.David Presannaraj I Mech has participated ‘State Level Inter Collegiate Quiz – 2017’ at G.Venkatasamy Naidu College, Kovilpatti – 628 502 on October 12, 2017.

### ED Centre:

- ✓ Entrepreneurship orientation program for 90 Students (II and III Years) organized by ED-Cell and NEC and Coordinated by **Dr.T.Sakthi** and **Mr.B.Ganapathy Ram** during December 27 – 30, 2017.

### Literary Club:

The Literary Club has initiated a variety of competitions such as Creative Writing, Essay writing, group discussion and debate.

- Creative writing ‘If there were 48 hours in a day’ on October 30, 2017. The Winner is:
  1. Ms. S.Pooja – I CSE
- Essay Writing ‘Demonetisation-Does it help or hurt the economy?’ on November 25, 2017. The winners are:
  1. Mr.J.Yadu Krishnan ‘F’ Section - I Prize
  2. Ms.K.Maria Lavanya ‘C’ Section - II Prize
- Speech Competition ‘A drop of ink may make a million think’ on December 28, 2017. The winner is Ms.K.Shanmuga Sundaram, II EEE.
- Mr.K.Subash, Mr.S.J.Shanmugavel, Ms.B.Aarthi, Mr.S.Shantha Kumar and Mr.K.Shanmuga Sundaram had participated in Group Discussion on January 31, 2018.
- Debate ‘Is Media liberal, conservative or unbiased?’ on January 31, 2018.

The Winners are:

1. Mr.S.Sakthi Balaji – I CSE - I Prize
2. Mr.N.V.Anton Francis Jeejo – I CSE - II Prize
3. Mr.K.R.Aravind – I CSE - III Prize





### **Rotaract Club:**

**Rotoweeek – 2017:** **Rotoweeek** celebrated for the students to develop their leadership quality and soft skills during December 18 – 22, 2017. Nearly 300 participants attended the event.



### **Human Chain - Road Safety Awareness program:**

Rotaract Club members formed a **Human Chain for Road Safety Awareness program** on January 11, 2018 evening at Kovilpatti old bus stand. Nearly 100 Rotaract Club members participated.



### **Republic day celebration at A.V. School:**

Rotaract Club members conducted the fun events for A.V.School students at A.V.School, Kovilpatti on January 25, 2018 as part of republic day celebration. Nearly 115 school students and 40 Rotaract members participated in the event.



### **Polio Camp:**

NEC Rotaract Club and Kovilpatti Rotaract Club had jointly conducted the **Polio Camp** at Kovilpatti during January 28 – 30, 2018. Nearly 100 peoples are benefitted, Nearly 30 members form NEC Rotaract Club actively participated.

### Red Ribbon Club:

NEC Red Ribbon Club conducted **Blood Donation Camp** at NEC, in association with Government Hospital, Kovilpatti for collecting blood on January 24, 2018. Also to instruct the importance of polio medicine, a Polio camp had been organized during January 28 – 30, 2018 at Kayathar.

### Yoga

Yoga Club provided various practices such as Pranayamam, Acupressure, Exercise, Meditation, Kayalkalpa practice and special lecture to the members to improve their concentration, mental ability and to promote natural immunity during the period from October 2017 to January 2018 in the certified course on 'Yoga for Youth Empowerment'.



- ✓ Mr.K.Sivasankaran, Assistant Professor, Department of Costume Design and Fashion, GVN College, Kovilpatti delivered a special talk on 'Stress Management' on January 29, 2018. Nearly 120 students participated in the event.



- ✓ Prof.V.Kamaraj, Manavala Kalai Mandram, Sattur delivered a wonderful talk on 'Analysis of Thoughts' on January 31, 2018. Nearly 150 students participated in the event.

### Training and Placement Centre:

Mr.Srikanthan, Head, Planning & Human Resource Management Division, IGCAR, Chennai acted as Resource Person for the Orientation Programme for final and pre-final Year Students on January 24, 2018.



Mr.A.K.Pattabiraman, Academic Regional Manager (ARM), Tata Consultancy Services, Chennai had delivered a special Lecture to our Students on ‘Industry needs and challenges’ on December 02, 2017.



Training and Placement Centre has conducted TCS Specific Training Programme for Final Year Students by M/s. FACE, Coimbatore during November 08 – 14, 2017.



**Placement Details: (During October 2017 – January 2018)**

	<b>M/s. Nirals, Hyderabad</b>		
1	1415015	D.Diana	IT
2	1415003	R.Akshara	IT
3	1415005	G.Amutha	IT
4	1415013	A.Deepak	IT
5	1415010	S.Balamurugan	IT
6	1412103	M.Sudarmathi	CSE
7	1412102	A.Subasri	CSE
	<b>M/s. Godbtech, Chennai</b>		
8	1412029	A.Gomathi	CSE
	<b>M/s. Buddihealth, Chennai</b>		
9	1415006	K.Anitha	IT
	<b>M/s. Stradegi Technologies, Chennai</b>		
10	1412089	S.Saravanan	CSE
11	1412042	T.Lakshminaarayanan	CSE
12	1415049	B.Sreedevi	IT
	<b>M/s. Zoho Corporation, Chennai</b>		
13	1414001	J.Antony Callistus	EIE

	<b>M/s. Indus Teqsite, Chennai</b>		
14	1414020	N.Loganathan	EIE
15	1414026	K.Arimuthu	EIE
16	1413081	Premkumar	EEE
	<b>M/s.Suresoft Systems, Pondicheery</b>		
17	1411083	S.Saranya	ECE
18	1411098	S.Subbulakshmi	ECE
19	1411058	S.Muthu Lakshmi	ECE
20	1413029	M.Jagadeeshwaran	EEE
	<b>M/s. Tata Consultancy Services, Chennai</b>		
21	1415024	A.Jenolin Sherin	IT
22	1415054	S.Theevika	IT
23	1415038	M.Priyadharshini	IT
24	1415055	S.Uma Maheshwari	IT
25	1415043	A.Sanjeev Kumar	IT
26	1415023	A.Jancy	IT
27	1411045	K.S.Kuthaleeswari	ECE
28	1411047	P.Mahalakshmi	ECE
29	1411058	S.Muthu Lakshmi	ECE
30	1411113	K.Vidhya	ECE
31	1411098	S.Subbulakshmi	ECE
32	1413016	K.Chellakili Manoharan	EEE
33	1413060	S.Mohamed Sarjun	EEE
34	1413414	R.Rajeshkannan	EEE
35	1412050	D.Manisha	CSE
36	1412060	M.Murugeswari	CSE
	<b>M/s. Nirals, Hyderabad</b>		
37	1414033	K.Priya Mohana Valli	EIE
	<b>M/s. Ceats Information Technology Pvt. Ltd., Chennai</b>		
38	1415009	J.Anuja	IT
	<b>M/s. A.J &amp; J Tech Solutions Pvt.Ltd. ,Bangaluru</b>		
39	1412051	S.Mariadumperumal	CSE
40	1412066	R.Narmadha	CSE
41	1412093	R.Seyedali Fathima	CSE
42	1412017	A.Bala	CSE
	<b>M/s. Sankalp Semi Conductor Pvt. Ltd., Bangaluru</b>		
43	1411001	P.Abirami	ECE
44	1413111	P.Tamilarasi	EEE



	<b>M/s. Adroit Soft India Pvt.Ltd, Chennai</b>		
45	1412041	V.Lakshmi	CSE
46	1412038	M.R.Kavusalya	CSE
47	1412012	K.Ashok	CSE
48	1415007	R.Anna Lakshmi	IT
49	1415401	M.Dinesh Kumar	IT

### National Cadet Corps (NCC) for Men & Women

NCC Girls BN Unit Officer **Lt.G.R.Hemalakshmi**, AP/CSE undergone training at Officer Training Academy, Gwalior during August 14 – November 11, 2017



### Medical Awareness Program on November 24, 2017 at Kovilpatti:



### NCC Day Celebration on November 26, 2017 at NEC:





**National Integration Camp – II, Silchar during December 09 – 20, 2017:**



**National Integration Camp – II, Silchar during December 09 – 20, 2017:**

**Nominal Roll of Cadets**

S. No.	Reg. Number	Cadet Name	Department
1	TN/SD/2015/33314	S.S.Siva Shankar	EEE
2	TN/SD/2015/33308	B.M.Narayanan	ECE
3	TN/SW/2016/740135	M.Anju Abinaya	EEE
4	TN/SW/2016/740136	J.R.Ashigha	IT
5	TN/SW/2016/740145	A.Nithiyasree	EEE

**Trekking Camp during December 23 – 30, 2017 at Belgaum:**

S. No.	Cadet Name	Year	Department
1	T.Pasupathy	III	MECH
2	Ranjith Kumar	III	EEE
3	P.M.Vignesh	III	MECH

**Weapon Training on January 06, 2018 at NEC Quadrangle:**



**Trekking – Outdoor Skill Practice on January 12, 2018 at Manimuthar Dam:**



***Indradhanush Awareness Program & Campaign on January 26, 2018 at Outdoor & NEC:***



***Republic Day Parade on January 26, 2018 at NEC:***



***Republic Day Celebration on January 26, 2018 at New Delhi:***

CPL.S.Saravanan (III, MECH) won silver Medal for Cultural Program



***Pulse Polio Drops during January 28 – 30, 2018 at Kovilpatti:***





## National Service Scheme (NSS)

### *Dengue Awareness Camp on November 24, 2017 at Kovilpatti:*

One day Dengue Awareness Camp conducted at Ennam Maniyatchi and Indra Nagar on November 24, 2017. The event start with the guests Mr.T.Deva Sagayam, Tahsildhar, Kovilpatti and Dr.Ramamoorthy, Block Medical Officer, Kovilpatti to address the people and volunteers about the camp.



### *VOTER Awareness Camp on January 25, 2018 at NEC:*

NSS and Elector Literacy Club celebrated the '8<sup>th</sup> National Voters day' on January 25, 2018 at NEC. Thoothukudi Assistant Collector Mr.S.Saravanan IPS was the chief guest for the function, Kovilpatti Tahsildhar Mr.T.Deva Sagayam acted as special guest and Deputy Tasildhar Mr.Manikandan felicitated the programme.





# National Engineering College

(An Autonomous Institution, Affiliated to Anna University, Chennai)  
K.R Nagar, Kovilpatti – 628 503, Thoothukudi District, Tamil Nadu



# K.R.Educational Institutions

K.R Nagar, Kovilpatti – 628 503, Thoothukudi District, Tamil Nadu



## National Engineering College

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Web: [www.nec.edu.in](http://www.nec.edu.in)

## Lakshmi Ammal Polytechnic College

(Approved by AICTE, New Delhi and DOTE, Chennai)

Web: [www.lakshmiammalpolytechnic.com](http://www.lakshmiammalpolytechnic.com)



## K.R.College of Arts & Science

(Affiliated to M.S.University, Tirunelveli)

Web: [www.krcollege.net](http://www.krcollege.net)