

NEC NEWS Bulletin

VOL 1 | ISSUE 1 | JUN - SEP 2017



Estd: 1984

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
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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.

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National Engineering College

NEWS BULLETIN

Volume – 1; Issue – 1 Jun – Sep 2017

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K. Ramasamy

Chairman



04.11.2017

Message

'Educating the mind without educating the heart is no education at all' -

Aristotle

The campus embraces the students with the lush greenery and greater amenities kindling the spark of technology in the minds of the budding technocrats. *Apposite with the motto* of the Institution, 'அறிவே ஆக்கம்', this newsletter of the college serves as a proving witness for the relentless efforts of the people belonging to this great institution.

We mould engineers with a fresh mind to adopt new technologies. We are in the process of sowing the good deeds among students to turn them into the assets of our nation.

Best wishes to the NECians, the futuristic citizens of the Nation.

K. Ramasamy

Chairman



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K.R.Arunachalam B.Com., M.B.A. (Misso-USA)

Trust Director



04.11.2017

Message

Bestowed with qualities and not just quantity, making Smart workers and not just hard workers, National Engineering College is nurturing the multi dimensional qualities of the students by providing them with a plethora of technology to learn & Lead. Our institution serves as a fabulous platform to reverberate the skills of the students.

To attain the captainship, we have many student councils and clubs to mould them as masterpieces of extreme potential. One such testimony that exhibits the endowment and craftsmanship of the staff and students of this institution is this news bulletin.

Best wishes for all their future endeavour.

K.R.Arunachalam

Trust Director



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Dr.Kn.K.S.K.Chockalingam B.E., M.Sc.(Engg.), Ph.D., FIE

Director

04.11.2017



Message

We, at NEC not simply teach engineering, but teach the students how to effectively engineer the world.

This news bulletin in your hands is the testimony of the achievements, activities and the growth of the members of NEC family towards Zenith who tend to grow even higher than that.

Fabulousness is not a trait. It is a quality to be grown from within, which the students and faculty members of the institution possess.

National Engineering College serves in chiseling students' capacities of inquiry, creativity, technology and leadership traits.

We carve students to visualize the transforming world in a time bound manner.

All the very best!!!

Dr.Kn.K.S.K.Chockalingam

Director



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Dr.S.Shanmugavel Ph.D.

Principal

04.11.2017



Message

"With the world at its fast pace, relatively compels us to move on with it in an even faster pace"

Just like a cube being three dimensional and as all three are needed to create a wholesome cube, an Engineer needs to be multidimensional with technical ability, faster thought processing, good interpersonal skills, and the thirst to learn new things. All the co and extra-curricular activities alongside the technical boost up, NEC aids oneself to develop multifaceted.

We channelize students to become technocrats, business leaders, scientists, entrepreneurs, teachers who can mould the society in every possible way.

Congratulations and all the very best to the students and staff members of NEC.

Strive for excellence!!

Best wishes for the successful launch of NEC NEWS Bulletin.

Dr.S.Shanmugavel

Principal

VIP VISITS

- ➔ Mr.S.Venkata Prasad, SAP Consultant & Project Manager, Tata Consultancy Services, Chennai, Dr.P.Essaki Muthu, Chief Scientist in R & D, River Silica Technologies Pvt Ltd, Bangalore and Dr.G.Vinoth, Technology Management Consultant, Startup Coach, Pongu Ventures, Tirunelveli had visited our college and attended the 12th IQAC meeting held on June 15, 2017.



- ➔ Mr.S.Muralidharan, Managing Director, Connect Solutions, Tirunelveli visited CSE department and delivered a motivational talk on ‘the Purpose of Training and Placement’ on June 30, 2017.
- ➔ Mr.T.Kanagaraj, Director, Operation Viva Esta Private Limited, Chennai visited Mechanical department for giving a Guest Lecture on ‘Mechanical Engineering Association’s Inaugural function’ on June 30, 2017.
- ➔ Mr.V.Srikanth, Director, Cloud Practice in Cognizant, Chennai visited CSE department and delivered a special address on ‘Traditional Practice Management Software’ held on July 13, 2017.
- ➔ Mr.V.Senthil Kumar, Scientist - SG, Division Head, Antenna and Passive Systems Division, ISRO Satellite Centre, Bangalore visited ECE department for giving a Guest Lecture for ‘IETE Chapter’s’ inaugural function on July 14, 2017.
- ➔ Sh.P.Murugavel, Scientist-‘E’, Indian Institute of Tropical Meteorology, Pune visited the ECE department for giving a Guest Lecture in IE (I) Students Forums’ inaugural function on July 14, 2017.
- ➔ Mr.K.Arumugam, Manager, PPC Material Management, Hyundai Motor India Ltd., Chennai visited the Mechanical department for giving a Guest Lecture on ‘Society for Automotive Engineers’ (SAE) Inaugural function’ on July 19, 2017.
- ➔ Dr.S.Chandran, Associate Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai visited civil department and delivered a motivational talk on ‘Innovative Modern Technology in Civil Engineering’ on August 07, 2017.

- ➔ Mr.Ramesh Moorthy, Scientific Officer 'E', Kudankulam Nuclear Power Project, Thoothukudi visited EIE department for giving a special lecture on 'Recent Trends in Instrumentation' on August 11, 2017.
- ➔ Mr.S.D.R.Suresh Varman, Independent Consultant in Power, Energy, Industrial Automation and Quality Control, Chennai visited EEE department for giving a guest lecture on 'Industrial Automation' on August 16, 2017.
- ➔ Mr.B.Anto, EINSTEIN Techno Solutions, Nagercoil visited IT department for giving a Guest Lecture on 'Development of IoT Applications Across Industries' during August 16 – 18, 2017.
- ➔ Dr.K.Elanseralathan, Professor, Pondicherry Engineering College, Pondicherry visited EEE department for giving a special address on "Motivation to Competitive Exams" on August 18, 2017.
- ➔ Mr.M.Ganesh Murthy, Team Head, HP, Bangalore visited CSE department for giving a Guest Lecture on 'Agile Delivery Models in IT Industries' on August 19, 2017.
- ➔ Mr.V.Stanley Jacob Vijay, Assistant Executive Engineer, VOC Port Trust, Tuticorin visited Civil department for giving a special lecture on 'Harbour Engineering' on Aug. 19, 2017.
- ➔ Mr.S.Nargunam, Managing Director, Excel Die Casting, Chennai visited Mechanical department for giving a Guest Lecture on 'Secret of success to improve employability skills' on September 18, 2017.
- ➔ Mr.Aravind Raj, Project Manager, Global Infrastructure Science, Wibro Technologies, Chennai visited Mechanical department for giving a Guest Lecture on 'YUGNA-X 17' on September 21, 2017.

AWARD AND ACHIEVEMENT

- ✓ Dr.T.Vigraman, Associate Professor (SG), Mechanical Engineering won an Award for 'Teaching Excellence' at Indo Global Education Summit and Expo 2017 at M/s Taj Coramandal, Chennai on July 22, 2017.

ACTIVITIES OF PRINCIPAL

- ✓ Dr.S.Shanmugavel, Principal attended the Academic Council Meeting, organized by Sethu Institute of Technology, Virudhunagar on July 21, 2017.
- ✓ 10th Standing Committee meeting was held on 10th August 2017, NEC.
- ✓ Dr.S.Shanmugavel, Principal and Dr.K.Manisekar Dean (A), participated in a workshop on 'AICTEs Initiatives for Technical Educational Institutions' on September 23, 2017 at CAPE Institute of Technology, Nagercoil.

SPONSORED RESEARCH PROJECTS OF STUDENTS:

Student's innovative and commercially viable projects to be implemented through NewGen IEDC, NEC for the academic year 2017 -18 funded by **NSTEDB-DST, Govt. of India, New Delhi and EDII, Ahmedabad.**

- ✓ *Mr.R.Rajith, Mr.K.Sankar Ganesh, Mr.G.Ponmullai Narayanan, Mr.S.Rakul and Mr.P.Sarathkumar*, department of Mech., project on 'Coconut Partial Dehusker'. Amounting ₹ .2,50,000/- and mentored by Mr.S.Pandiaraj, Adjunct Professor, Mech. and Mr.M.Karuppaiah Rajkumar, AP, Mech.
- ✓ *Mr.G.Ramaiah, Mr.A.Selvakumar, Mr.M.Prabukannan, Mr.S.Sankarakumar and Mr.K.Rakesh*, department of Mech., project on 'Water Tank Cleaning Device'. Amounting ₹ .2,50,000/- and mentored by Mr.S.Pandiaraj, Adjunct Professor, Mech. and Mr.P.Harihara Sakthi Sudan, AP, Mech.
- ✓ *Mr.S.Shunmugasundaram and Mr.K.Ayyapparaja*, department of Mech., project on 'Multi Purpose Domestic Cleaner'. Amounting ₹ .2,50,000/- and mentored by Dr.D.Ravindran, Professor, Mech.
- ✓ *Mr.H.R.Arun Kumar, Mr.M.Balasubramani and Ms.Meenakshi Murugappan*, department of ECE, project on 'Human Less Monitoring for Hydroponic Plants'. Amounting ₹ .2,50,000/- and mentored by Mr.K.J.Prasanna Venkatesan, AP(SG), ECE.
- ✓ *Ms.S.Anna Lakshmi, Ms.M.Anugraha, Mr.S.Sundar Rajan and Mr.P.Ramprasath* department of ECE, project on 'Reflectometry based Noninvasive Diagnosis Device'. Amounting ₹ .2,50,000/- and mentored by Ms.S.D.Jayavathi, Asso. Prof., ECE, and Mr.B.Ganapathy Ram, AP, ECE.
- ✓ *Ms.S.Vaishnavi, Ms.S.Venkateshwara Packya Janeefa, Mr.T.Lakshmi Narayanan and Mr.R.Raja Lakshmanan*, department of CSE, project on 'Design of Braille Print Studio Suite for visually impaired people'. Amounting ₹ .2,50,000/- and mentored by Dr.B.Paramasivan, Professor & Head, CSE and Ms.M.Bhuvaneswari, AP (SG), CSE.
- ✓ *Mr.S.Prabhu, Mr.P.R.Prakash, Mr.R.Narain Krishna and Mr.B.Mathana Gopal*, department of EEE, project on 'Smart theft prevention system using GSM and CLOUD'. Amounting ₹ .2,50,000/- and mentored by B.Venkatasamy, AP / EEE.
- ✓ *Ms.R.Aruna, Ms.A.Divya Lakshmi and Ms.K.Priya Mohana Valli*, Department of EIE, project on 'Smart Device for Blind'. Amounting ₹ .2,50,000/- and mentored by Ms.M.Carmel Sobia, AP(SG), EIE.
- ✓ *Mr.G.S.Rahul and Mr.M.Veera Shanthi Ram*, Department of EIE, project on 'Coconut Qualifier'. Amounting ₹ .2,50,000/- and mentored by Mr.I.Jackson Daniel, Associate Professor, EIE and Mr.R.Raghul, AP, EIE.
- ✓ *Ms.P.Nishanthi, Ms.S.Angammal and Ms.R.C.Sharru Preethi*, department of Civil, project on 'Aerated Cellular Blocks using Industrial Waste'. Amounting ₹ .2,50,000/- and mentored by Mr.P.S.Naufal Rizwan, AP, Civil.

MEMORANDUM OF UNDERSTANDING (MoU):

Dr.S.Shanmugavel, Principal, National Engineering College, Kovilpatti and Mr.D.Venkateswaran, Partner,M/s.Veubro Polymers, Erode signed an MoU on June 18, 2017.

CONSULTANCY SANCTIONS:

Consultancy signed with M/s Veubro Polymers, Erode adopted a project on ‘Hot Air Sailing Methodologies for Woven Sack’ on September 16, 2017, amounting ₹ .25,000/-.

INTERNATIONAL CERTIFICATIONS:

- ✓ Dr.S.Sankar Ganesh, Mr.S.Chidambaram, Mr.S.Vimal, Mr.V.Jackins and Ms.R.Lakshmi Devi IT received an International Certification on ‘Data Science and Big Data Analytics’ by EMC Academic Associate during June 13 – 17, 2017.
- ✓ Mr.R.Muthukumar IT received Bronze Campus Connect Faculty Partnership Model from Infosys Limited on August 21, 2017.

JOURNAL EDITORIAL BOARD MEMBER / REVIEWERS:

- ✓ Dr.K.Manisekar, Dean (Academic), reviewed a paper for Indian Journal of ‘Materials Science’ during the month of July 2017.
- ✓ Dr.K.Manisekar, Dean (Academic), reviewed a paper for the Journal of ‘Tribology International’ (Elsevier) during the month of July 2017.
- ✓ Dr.B.Paramasivan, HOD, CSE, reviewed a paper for the Journal of ‘IEEE Sensors Journal’, United States (IF:1.85) during the month of July 2017.
- ✓ Dr.T.S.Arun Samuel, AP(SG), ECE, reviewed a paper for the Journal of ‘International Journal of Electronics and Communication’ (Elsevier) during the month of August 2017.
- ✓ Dr.T.S.Arun Samuel, AP(SG), ECE, reviewed a paper for the Journal of ‘IEEE Transactions on Electron Devices’ during the month of August 2017.
- ✓ Dr.M.A.Neelakantan, Dean (R&D), reviewed a paper for the Journal of ‘Chemistry Select’ (Wiley) during June to August 2017.
- ✓ Dr.M.A.Neelakantan, Dean (R&D), reviewed a paper for the Journal of ‘Applied Organometallic Chemistry’ (Wiley) during June to August 2017.
- ✓ Dr.M.A.Neelakantan, Dean (R&D), reviewed a paper for the Journal of ‘Journal of Molecular Structure’ (Elsevier) during June to August 2017.
- ✓ Dr.M.A.Neelakantan, Dean (R&D), reviewed a paper for the Journal of ‘Environmental Science and Pollution Research (springer)’ during June to August 2017.
- ✓ Dr.M.Kathiresan, AP (SG), Mech, reviewed a paper for the Journal of ‘International Journal of Thinwalled Structures’, during June to September 2017.
- ✓ Dr.M.Kathiresan, AP (SG), Mech, reviewed a paper for the Journal of ‘International Journal of Mechanical Science’, during June to September 2017.

R & D ACTIVITIES:

- ✓ Dr.R.Satheeh Raja, PET Engineering College,Vallioor awarded Ph.D. under the Guidance of Dr.K.Manisekar, Prof., Mech., NEC from Anna University, Chennai on June 12, 2017.
- ✓ Dr.V.R.S.Mani, Associate Professor, ECE, awarded Ph.D. from Anna University, Chennai on July 7, 2017.
- ✓ Dr.S.Iyahraja, Asso. Prof., Mech., NEC awarded Ph.D. from Anna University, Chennai on July 21, 2017.
- ✓ Dr.A.Sameem Fathima awarded Ph.D. under the Guidance of Dr.D.Manimegalai, HOD, IT, NEC from Anna University, Chennai on August 04, 2017.
- ✓ Dr.S.Varalakshmi awarded Ph.D. under the Guidance of Dr.S.Shanmugavel, Principal, NEC from Anna University, Chennai on August 11, 2017.
- ✓ Mr.A.H.Ragamathunisa Begam,Veltech Dr.RR & Dr.SR University, Chennai awarded Ph.D. under the Guidance of Dr.D. Manimegalai HOD, IT, NEC from Anna University, Chennai on August 16, 2017.
- ✓ Dr.T.M.Chenthil Jegan, St. Xavier's Catholic College of Engineering, Nagercoil awarded Ph.D. under the Guidance of Dr.D.Ravindran, Professor, Mech., NEC from Anna University, Chennai on August 23, 2017.
- ✓ Dr.D.Venkat Kumar, AP (SG), Mech., NEC awarded Ph.D. under the Guidance of Dr.D.Ravindran, Professor, Mech., NEC from Anna University, Chennai on August 23, 2017.
- ✓ Dr.S.Kannan, Thamirabarani Engineering College, Tirunelveli awarded Ph.D. under the Guidance of Dr.V.Seenivasagam Professor, IT, NEC from Anna University, Chennai on August 29, 2017.
- ✓ Dr.R.Chitra, Noorul Islam College of Engineering, Kumaracoil awarded Ph.D. under the Guidance of Dr.V.Seenivasagam, Professor, IT, NEC from MS University, Tirunelveli on September 01, 2017.
- ✓ Dr.G.Padmavathi awarded Ph.D. under the Guidance of Dr.S.Shanmugavel, Principal, NEC from Anna University, Chennai on September 06, 2017
- ✓ Dr.K.Shankar, Asso. Prof., EIE, NEC awarded Ph.D. degree from Anna University, Chennai on September 21, 2017.
- ✓ Dr.R.Anand awarded Ph.D. under the joint Supervision of Dr.T.S.Arun Samuvel AP(SG), ECE, NEC from Anna University, Chennai on September 26, 2017.
- ✓ Dr.S.Sudhakar Ilango, Sri Krishna College of Engineering and Technology, Coimbatore awarded Ph.D. under the Guidance of Dr.V.Seenivasagam, Professor, IT, NEC from Anna University, Chennai on September 28, 2017.

ACTIVITIES BY FACULTY MEMBERS:

Chief Guest / Guest Lecture / Resource Person / Keynote Speakers

Department of EEE

- ✓ Dr.M.Ravindran, Associate Professor, EEE acted as Resource Person for Awareness Program on 'Small Scale Industries' at Gandhigram University, Dindigul on September 06, 2017.



Department of ECE

- ✓ Mr.T.Vijayanandh acted as the Resource Person for the Anna University sponsored FDP on 'EC6303 Signals and Systems' organized by Anna University Regional Centre, Tirunelveli on June 14, 2017.
- ✓ Dr.S.Tamil Selvi, Professor and Head, ECE-PG, had participated in the National Conference on 'Role of Libraries in Making Digital India' (SALIS 2017) organized by the Central Library, Thiagarajar College of Engineering, Madurai jointly with Society for the Advancement of Library and Information Science (SALIS) at TCE on July 7 & 8, 2017, acted as a resource person and delivered a talk on 'Adopting Digital Transformation Practices through Libraries'.
- ✓ Mr.S.Cammillus acted as Chief Guest for Electronics Association (GEA) Inauguration and delivered a Guest Lecture on Innovations in Electronics Communication at GVN College, Kovilpatti on July 13, 2017.

Department of S&H

- ✓ Dr.M.A.Neelakantan, Prof. & Head, S&H, delivered an expert lecture on 'Uranium in Ground Water' at SSN College of Engineering, Chennai on July 22, 2017.
- ✓ Dr.R.Lenin, AP/S&H, delivered an expert lecture on 'Graph Theory and its Application' at Ayya Nadar Janaki Ammal College, Sivakasi on July 6, 2017.

Central Library

- ✓ Mr.K.Karunai Raghavan, acted as Conference Director for the National Conference on Role of Libraries in 'Making Digital India' organized by Central Library, Thiagarajar College of Engineering and SALIS held at Thiagarajar College of Engineering, Madurai during July 7 – 8, 2017.

PUBLICATIONS:

Books:

- ✓ Dr.S.Shanmugavel, Principal authored a book entitled on ‘Cognitive Radio – An Enabler for Internet of Things’ published by River publications, Denmark, 2017. ISBN: 97887-93519-404.
- ✓ Mr.I.Sankar, AP (SG), Mechanical Engineering authored a chapter in ‘The Development of Bio-Sandwich Structures with Brazilian Curaua Fiber / Polyester as Face and PVC as Core for Anti-Frictional Applications’ in the book entitled on ‘Biocomposites : Properties, Performance & Applications’ published by Nova Science Publishers. ISBN: 9781-53612-1209.

International Journals:

Department of ECE

- ✓ Anand, R., **Arun Samuel, T. S.**, and Melba Mary, P. (2017). Improved dynamic response of isolated full bridge DC to DC converter using BATA optimization tuned fuzzy sliding mode controller for solar applications, Elsevier: *In International Journal of Hydrogen Energy*, Volume 42, Issue 34, 2017, Pages 21648-21658, ISSN 0360-3199. [IF : 3.582]
- ✓ Rajakumar, G., Andrew Roobert, A., **Arun Samuel, T. S.**, and Gracia Nirmala Rani, D. (2017) Low power VLSI architecture design of BMC, BPSC and PC schemes. Springer *Analog Integrated Circuits and Signal Processing*, Volume 93, Issue 1, pages 169-178. ISSN 0925 1030.[IF : 0.623]

Department of EEE

- ✓ Piraisoodi, T., **Willjuice Iruthayarajan, M.S.**, and Kadhar, K. M. A. (2017). An Optimized Nonlinear Controller Design for Boiler–Turbine System Using Evolutionary Algorithms. *IETE Journal of Research*, pages 1-12. [Taylor and Francis] online publication on August 29, 2017.
- ✓ Mekkandi, P., Jayamani, M., **Balakiruthiha, S.**, Kadambarajan, J. P., Nagarajan, R., Sultan, M. T. H., and Shanmugavel, R. (2017). Machinability performance of Al–NiTi and Al–NiTi–nano SiC composites with parametric optimization using GSA. *Journal of the Australian Ceramic Society*, Volume 53, Issue 2, pages 599-609. Springer Publications, Online ISSN 2510-1579.[IF:0.744]
- ✓ **Muniraj, R., Willjuice Iruthayarajan, M.S.**, and Arun, R., (2017). Tuning of Robust PID Controller with Filter for SISO System Using Evolutionary Algorithms. *Studies in Informatics and Control*, Volume 26, Issue 3, pages 277-286. ISSN: 1220-1766.
- ✓ Thirugnanam, R., Prasath, A. R., **Willjuice Iruthayarajan, M.S.**, and Radha, K. (2017). Retreatment of aged mineral oil using semiconductive nanocomposites for power transformer application. *International Transactions on Electrical Energy Systems*. Volume 27, Issue 9, pages-e2358, John Wiley & Sons Ltd, Online ISSN: 2050-7038. [IF:1.085]

Department of EIE

- ✓ **Ramakrishnan, T., and Sankaragomathi, B.** (2017). A professional estimate on the computed tomography brain tumor images using SVM-SMO for classification and MRG-GWO for segmentation. *Pattern Recognition Letters*. Volume 94, 2017, Pages 163-171. ISSN 0167-8655.[IF:1.995]

Department of IT

- ✓ **Muthukkumar, R., and Manimegalai, D.** Enhancing cooperative spectrum sensing in cognitive radio ad hoc networks using priority-based two-stage detection model. Springer: *Wireless Networks*, Volume 1, Issue 13, Pages 1 -13. [IF: 1.006]
- ✓ **Karkuzhali, S., and Manimegalai, D.** (2017). Retinal haemorrhages segmentation using improved toboggan segmentation algorithm in diabetic retinopathy images. Scientific Publisher: *Biomedical Research*, Volume 28, Issue 13. ISSN 0970-938X [IF: 0.219]
- ✓ **Vimal, S., Kalaivani, L., and Kaliappan, M.** (2017). Collaborative approach on mitigating spectrum sensing data hijack attack and dynamic spectrum allocation based on CASG modeling in wireless cognitive radio networks. Springer: *Cluster Computing*, Pages 1-11. ISSN 1386-7857.[IF: 2.040]

Department of CSE

- ✓ **Maheswari, S., and Karpagam, G. R.** (2017). Performance evaluation of semantic based service selection methods. *Computers & Electrical Engineering*. [IF : 1.570]
- ✓ **Sampradeepraj, T., Anusuya Devi, V. and Chitra, D.** (2017) . An Efficient secured multicast routing protocol for wireless sensor network using identity-based Cryptography and its application in Biomedical research. *SCIMAGO: Research Journal of Biotechnology*. ISSN : 0973 6263.[IF : 0.233]

Department of Mechanical Engineering

- ✓ **Samuel Hansen, R. and Kalidasa Murugavel, K.** (2017). Enhancement of integrated solar still using different new absorber configurations: An experimental approach, In *Desalination*, Volume 422, Pages 59-67, ISSN 0011-9164. Elsevier B.V.[IF:5.527]
- ✓ **Harihara Sakthi Sudhan, P., and Jose, S.** (2018). Influence of metal powder premixing on mechanical behavior of dual reinforcement ($\text{Al}_2\text{O}_3(\mu\text{m})/\text{Si}_3\text{N}_4(\text{nm})$) in AA6061 matrix. *Journal of Alloys and Compounds*. Vol. 731, pages 100-110., ISSN 0925-8388. [IF:3.133]
- ✓ **Karthick, A., Murugavel, K. K., and Ramanan, P.** (2017). Performance Enhancement of a Building-Integrated Photovoltaic Module Using Phase Change Material. Elsevier: *Energy*, Volume 142, Pages. 803-812 [IF: 4.520]

Department of S& H

- ✓ **Chithiraikumar, S., Balakrishnan, C., and Neelakantan, M. A.** (2017). Tuning ligand vicinity towards development of “turn-on” fluorescence for cadmium (II) ions under physiological pH and bio-imaging. Elsevier: *Sensors and Actuators B: Chemical*, Volume 249, Page 235-245.[IF: 4.758]

- ✓ **Theetharappan, M., Subha, L., Balakrishnan, C., and Neelakantan, M. A.** (2017). Binding interactions of mixed ligand copper (II) amino acid Schiff base complexes with biological targets: Spectroscopic evaluation and molecular docking. Wiley: *Applied Organometallic Chemistry*. DOI 10.1002 / aoc. 3713.[**IF: 2.452**]
- ✓ **Chithiraivel Balakrishnan, C., Theetharappan, M., Kowsalya, P., Satheesh Natarajan, S., Neelakantan, M. A., and Mariappan, S. S.** (2017). Biocatalysis, DNA–protein interactions, cytotoxicity and molecular docking of Cu (II), Ni (II), Zn (II) and V (IV) Schiff base complexes. Wiley: *Applied Organometallic Chemistry*. DOI 10.1002 / aoc.3776. [**IF 2.452**]
- ✓ **Gomathy, P., and Sundar, S. M.** (2017). Influence of dopant concentration on the structural, optical and magnetic properties of nickel doped SnO₂ nanoparticles. Springer: *Journal of Materials Science: Materials in Electronics*, Volume 28, Issue 20, Pages 15319-15326. DOI 10.1007/s10854-017-7416-2. [**IF: 2.019**]
- ✓ **Balakrishnan, C., Neelakantan, M. A., and Banerjee, S.** (2017). A zwitterionic pH responsive ESIPT-Based fluorescence “Turn-On” Al³⁺ ion sensing probe and its bioimaging applications. Elsevier: *Sensors and Actuators B: Chemical*, Volume 253, Pages 1012-1025. ISSN: 0925-4005.[**IF: 5.401**]
- ✓ **Gandhimathi, S., Theetharappan, M., Bhuvanesh, N. S., and Neelakantan, M. A.** (2017). Crystal structure, theoretical and experimental electronic structure and DNA/BSA protein interactions of nickel (II) N₂O₂ tetradentate Schiff base complexes. *Polyhedron*, Volume 138, Pages 88-102. [**IF: 1.926**]

DEPARTMENTAL ACTIVITIES:

Department of Computer Science and Engineering (CSE)

FDP / SDP organized

- ✓ CSE department organized a Faculty Development Training Programme on “Theory of Computation” during June 01 - 08, 2017 sponsored by Anna University, Chennai and it was coordinated by *Dr.K.Mohaideen Pitchai, Mr.K.Rajkumar and Mr.S.Dheenathayalan*.
- ✓ Dr. Kamran Z. Khan, Department of Computer Science, University of Texas, Dallas, USA delivered an online expert lecture on ‘Agile Methodology’ on September 14, 2017. It was conducted by department of CSE.



CSE - IEEE ITS Madras Chapter

- ✓ IEEE ITS Madras Chapter, an awareness programme on ‘How to Face Current IT Sector’ held on July 04, 2017. Mr.S.Vignesh Kandasamy, (Alumini 2012-15) Software Engineer, Cognizant Technology Solutions, Coimbatore acted as Resource person.
- ✓ IEEE ITS Madras Chapter held a technical awareness programme on ‘Tricks and Tracks to Face Interviews’ held on July 13, 2017. Mr.S.Arun, (Alumini 2012 - 15) Software Analyst, Wipro Technologies, Coimbatore acted as Resource person.
- ✓ Dr.S.Maheswari, AP (SG), CSE delivered a motivational talk on ‘Success Factors in Life’ held on August 09, 2017.
- ✓ IEEE ITS Madras Chapter held a one day seminar on ‘Agile Delivery Models in IT Industries’ held on August 19, 2017. Mr.M.Ganesh Murthy, (Alumini 1989-93) Team Head, HP, Bangalore acted as Resource Person.

CSE Association

- ✓ The Placement Induction and Orientation Programme, inaugurated on June 30, 2017. Mr.S.Muralidharan, Managing Director, Connect Solutions, Tirunelveli acted as Chief Guest and inaugurated the function. He delivered a motivational talk on ‘the Purpose of Training and Placement’.
- ✓ CSE Association inaugurated on July 13, 2017 for the year 2017 - 2018. Mr.V.Srikanth, Director, Cloud Practice in Cognizant, Chennai acted as Chief Guest and inaugurated the function. The Chief Guest delivered his special address on ‘Traditional Practice Management Software’.
- ✓ The Placement Induction and Orientation Programme conducted on July 14, 2017. 1988-92 batch alumni members motivated the students for their successful placement.



CSE - IE (India) Student Chapter

- ✓ Institute of Engineers (India) Student Chapter conducted ‘TECHNO QUIZ and GROUP DISCUSSION’ on July 29, 2017. Nearly 125 students participated in that event.

- ✓ Technical Quiz conducted by Institute of Engineers (India), NEC, CSE on July 25, 2017.
 Ms.S.Archana and Ms.A.Aarthi - II CSE 'A' - Winner of the Technical Quiz
 Ms.P.V.Gayathiri and Ms.A.Meena - II CSE 'A' - Runner of the Technical Quiz

CSE - IEEE CS Student Chapter

- ✓ IEEE CS Student Chapter organized a motivational program on 'IEEE Membership and its Benefits' on July 17, 2017 by Mr.K.Ashok, Ms.G.Joselin Pavya Elezabeth, Ms.C.Lakshmi Prabha and Ms.S.Vaishnavi IV CSE. Nearly 40 students participated.
- ✓ IEEE CS Student Chapter conducted a 'Contest on Resume Preparation' on August 10, 2017. Nearly 112 students participated. The winners are:

Ms.R.Priyadharsini - III IT – I Prize
 Ms.T.Maya Muthu Selvi - III CSE – II Prize
 Ms.G.Selva Gomathi - III CSE – III Prize

CSE - Internship Training Programme

218 students had undergone two week internship training from June 2017 to August 2017 by the following industries:

S. No.	Name of Company	No of Students
1	Talent Trick Technology, Coimbatore	33
2	Apple Web Technology	2
3	Ecolite, Chennai	1
4	Enovas Technology	1
5	Nappinnai	1
6	Unique Technologies	48
7	HP (PLC)	7
8	Shri Pavitha Auto product private Ltd	4
9	OFS	3
10	Code Bind Technologies	16
11	Intex Plastic Moulding Industries	1
12	Uniq Technologies	2
13	Hewlett Packard Enterprise	71
14	Kaashiv Infotech	4
15	Airports Authority of India	6
16	BSNL	6
17	Sciera	1
18	Rajapalayam Mill	2
19	Jeeth Trucks	9

FDP / SDP attended

- ✓ Naskath, J., Shunmuga Priya, B. and Menalosani, G., participated in the five days Faculty Development Training Programme on ‘*Cryptography and Network Security*’ organised by Cyber Security Focus Group, Department of CSE, Mepco Schlenk Engineering College, Sivakasi during June 13 – 17, 2017.

Department of Electronics and Communication Engineering (ECE)

ECE - Interactive Guest Lecture

An Interactive guest lecture on “Experiencing the Engineering Field Work” by the following professionals for all Second year students on July 1, 2017.

1. Dr.P.Essaki Muthu, Adjunct Professor, ECE, NEC
2. Mr.M.Sakthi Raj, Trainer, PDS, Adidas, Bangalore
3. Mr.Prabhu Bala, Associate Vice President, Standard Chartered Bank, Bangalore
4. Mr.Aravind, Freelancer, Bangalore
5. Mr.L.R.Senthil Kumar, Project Manager, Kickdrum Technologies, Bangalore
6. Mr.S.Senthil Kumar, Associate Vice President, SCB, Bangalore



ECE Association Inauguration

Dr.Shajulin Benedict, (Alumni 1997 – 2001, ECE) Post Doc (Germany), Professor, Department of ECE, St.Xavier’s Catholic College of Engineering, Nagercoil inaugurated the ECE Association on July 4, 2017 and also acted as the Chief Guest.



ECE - IETE Chapter Inauguration 2017

- ✓ Mr.V.Senthil Kumar, (Alumni 1992 – 1996, ECE) Scientist - SG, Division Head, Antenna and Passive Systems Division, ISRO Satellite Centre, Bangalore, inaugurated the IETE Chapter on July 14, 2017. The event was coordinated by Mrs.R.Manjula Devi and Ms.V.Soundaravalli.



ECE - Workshop / Seminars organized

- ✓ Mr.N.Arumugam, Associate Professor, ECE and Mr.T.Devakumar, AP (SG), ECE, organized a one day workshop on “Embedded System Device Interfacing Practice - 1” on July 29, 2017. Nearly 20 students participated.



- ✓ Mr.T.Devakumar AP (SG), ECE organized a one day seminar on ‘Scope and Preparation for Embedded System Industries’ on July 15, 2017. Nearly 40 second year students participated.
- ✓ Under the guidance of Mr.T.Vijayanandh, AP (SG), ECE, a one day workshop on ‘Adobe Premier CS6’ was organized by Mr.V.Ganesh Kumar IV ECE ‘A’ on July 29, 2017. Nearly 10 final year students participated for the elective of Multimedia Compression and Communication.

ECE Alumni Interaction

Ms.S.Aruna, (Alumni 2011-15, ECE) VVDN Technologies, Bangalore interacted with the final year ECE students on September 12, 2017. She has successfully cleared the CAT exam with a score of 97.99 percentile and is pursuing her M.B.A. from IIM, Bangalore.



ECE - Internship

Ms.T.Vajitha Meera, IV-ECE had undergone one month internship training on ‘SSVIP-17: Effective Intrusion Detection System Using Classifiers’ during June 1 – 30, 2017 at National Centre for Cyber Defence, Kalasalingam University, Krishnankoil.

ECE - In-plant Training

S. No.	Name of the Company	No. of Students
1	M/s Uniq Technologies, Coimbatore	13
2	M/s Arcomm Tech Solutions Private Limited, Chennai	8
3	M/s BSNL, Tirunelveli	25

ECE - IE (I) Students’ Forum Inauguration

IE (I) Students’ Forum inaugurated on July 14, 2017 by Sh.P.Murugavel, Scientist-‘E’, Indian Institute of Tropical Meteorology, Pune, acted as Chief Guest.



ECE - Techno Connexure

Techno Connexure, conducted by IE (I) Student's Chapter for second and third year ECE students on August 29, 2017. Nearly 50 Students participated. 6 students successfully cleared the final round.

- | | |
|------------------------|--|
| 1 st Prize: | Mr.J.Kishore and Mr.J.Jousha Raphel, II ECE |
| 2 nd Prize: | Mr.S.Naveen and Mr. P.Isaac Nishanth Jefferson, II ECE |
| 3 rd Prize: | Mr.I.R.Goutham and Mr.R.Madhav Dinesh, II ECE |



FDP / SDP attended

- ✓ Dr.S.Tamil Selvi, Professor and Head, ECE-PG had participated in one day workshop on 'Deep Learning' on July 29, 2017 organized by Information Technology Department, Mepco Schlenk Engineering College, Sivakasi
- ✓ Cammillus, S., and Subramanian, K., participated in a four days Industry Sponsored Faculty Development Programme on 'Exploring Research Potentials in Networking Domain Using Netsim' during August 21 – 24, 2017 held at Mepco Schlenk Engineering College, Sivakasi.

ISTE Staff Chapter

ISTE Staff Chapter, organized a one day workshop on Efficient Document Writing - using LaTeX on September 09, 2017. Mr.D.Keasavaraja, AP / CSE, Dr.Sivanthi Adithanar College of Engineering, Tiruchendure, acted as Resource Person.



ISTE Student Chapter

- ✓ ISTE Student Chapter, inaugurated by Mr.V.Srikanth, Director, Cloud Practice in Cognizant, Chennai on July 13, 2017
- ✓ ISTE Student Chapter, organized How to Search - Journal exploration by Mr.P.Athesh and Ms.D.Swathi III EIE on July 27, 2017
- ✓ ISTE Student Chapter, conducted Aptitude Solving by Ms.M.Subbulakshmi, III – IT on August 10, 2017.
- ✓ ISTE Student Chapter, organized a one day workshop on ‘Industrial Automation’ by Mr.V.Suresh, Asso. Prof. (SG), EIE on September 16, 2017

ECE - Student's Activities

- ✓ Ms.Meenakshi Murugappan IV ECE and Mr. S. Sundar Rajan IV ECE, participated in PALS Campus Lecture on ‘Entrepreneurship and Innovation’ held at Mepco Schelmk Engineering College, Sivakasi on July 20, 2017.

Department of Electronic and Instrumentation Engineering (EIE)

- ✓ EIE Association organized a one day Workshop on “PCB Design” for II EIE students held on July 15, 2017.
- ✓ Inauguration of the EIE Association was held on August 01, 2017 by Mr.D.Mahesh, Founder & First Officer (FFO), Seyal Spinning Mill, Vellakoil.



- ✓ EIE Association organised a three days workshop on “Industrial Microcontrollers” for 3rd EIE students by IELEC Systems, Tirunelveli during August 17 – 19, 2017.
- ✓ EIE Association organised a one day workshop on “Introduction to Python for Beginners” for II EIE students on September 22, 2017.

EIE - Internship

- ✓ Mr.M.Veera Shanthi Ram (IV Year), worked a project entitled on ‘Embedded Networking-in Raspberry Pi’ during May to July 2017 as a summer Research Fellow under the supervision of Dr.C.V.V.Sharma, Indian Institute of Technology, Hyderabad. The Summer Research Fellowship Programme of India’s Science Academies 2017 is jointly sponsored by IASc, Bangalore, INSA, New Delhi and NASJ, Allahabad.

- ✓ Mr.C.Gopiprakash, undergone Internship training on ‘Instrumentation and Embedded Systems Design and Centre for National Instruments – LabView’ at Kalasalingam University during June 1 – 30, 2017.
- ✓ Mr.N.Sabarish, Mr.A.M.Ganesha Moorthy, Mr.R.Avinash Shunmuga Priyan and Mr.N.Loganathan (IV Year), had undergone a training on ‘Data Acquisitions System, Isolator, Transmitter (Beemax) calibrator in (industrial standard calibration), Indicator, Transducers’, at Shree Shyamala Enterprises, Madurai during June 12 – 14, 2017.
- ✓ Mr.K.Marimuthu and Mr.G.S.Rahul (IV year), had worked on project entitled on “P&I diagram on Fire and Safety & Valve Numbering” at Trend Instrumentation and Automation, Chennai during September 2 – 6, 2017.
- ✓ Ms.V.Asmitha Mari and Ms.S.Dhanuja Shree (IV EIE), had undergone Internship Training on “Biomedical Instruments” at M/s Appasamy Associates, Chennai during September 11 & 12, 2017.

Workshop attended by EIE Students

Name of the Workshop / Seminar	Venue	Date	No. of Students
Nano Technology and Bio Sensors	Kalasalingam University, Krishnankoil	07.07.2017	27
Recent Trends in Concentrating Solar power Technologies and Fuel Cells	NIT, Karaikal	14.07.2017	04
Mathematical Modeling and Computational Techniques	NIT, Karaikal	15.07.2017	04
Robotics (Control - 2017)	IIT Research Park Chennai	30.07.2017	10
Raspberry-Pi with Python	SNS College of Engineering, Coimbatore	05.08.2017	04
IoT using Raspberry Pi	Pantech Pro ED Pvt Ltd, Madurai	06.08.2017	04
Arduino in Robotics	Arjune College of Engineering, Coimbatore	12.08.2017	02
Internet of Things	CIT, Coimbatore	27.08.2017	08
Internet of Things	Trainotech & Thick India & LansA	27.08.2017	09

FDP / SDP attended

- ✓ Ms.J.Janet Paulin and Ms.V.Soundaravalli, participated in a Short Term Course on ‘State-of-the-Art Microcontroller’ during June 19 – 30, 2017, IIT Kharagpur.
- ✓ Dr.S.Manikandan, participated in a two days Ministry of Earth Sciences (MoES) sponsored Seminar on ‘Cognitive Satellite Geodesy Image Processing and Remote Sensing’ during June 23 – 24, 2017 at K.S.R.College of Technology, Tiruchengode.

- ✓ Mr.R.Raghul and Mr.N.Chermakani, participated in a short term course on ‘Nonlinear and Adaptive Control Design’ under the QIP of AICTE, New Delhi during July 12 – 16, 2017 at Centre for Continuing Education, IISC Bangalore
- ✓ Dr.B.Sankaragomathi, participated in a short term course on ‘HDL for Signal, Image and Video Processing’ under the QIP of AICTE, New Delhi during August 21 – 26, 2017 at IIT Varanasi.
- ✓ Dr.S.Manikandan and Mr.N.Mohamed Athil, participated in a short term course on ‘Digital Signal Processing and Application’ under the QIP of AICTE, New Delhi during September 4 – 8, 2017 at Centre for Continuing Education, IISC Bangalore.

Other Activities of EIE Students

- Mr.S.Vishnu Prasad (II EIE), won Bronze Medal in National Level Silambam Competition organized by National Rural Games 2017 held in Athiyaman College of Engineering, Hosur during August 25-27, 2017.
- Mr.M.Veera Shanthi Ram (IV EIE), had delivered a lecture on “RS 485 in Raspberry Pi 3” at 4th Annual TCIS summer Research Symposium in Tata Institute of Fundamental Research, Hyderabad on July 14, 2017.

Instrument Society of India (ISoI) – Student Chapter

ISoI Students Chapter was inaugurated on August 11, 2017 by the Chief Guest Mr.Ramesh Moorthy, Scientific Officer ‘E’, Kudankulam Nuclear Power Project, Thoothukudi. He delivered special address on ‘Recent Trends in Instrumentation’.



PLC Workshop

Introduction to PLC, A PLC Workshop was conducted on September 9, 2017 for ISoI members, Coordinated by Mr.V.Suresh Associate Prof. (SG) / EIE.

EIE Alumni Interactions

- ✓ Mr.R.Pandirajan (Alumni 2007–11, EIE), Mistral Solutions, Bangalore interacted with IV EIE students on July 1, 2017 through Video Conference.



- ✓ Mr.M.Balakumara Vignesh and Mr.A.Surendharan (Alumni 2012–16, EIE) interacted with IV EIE students on July 13, 2017.
- ✓ Mr.R.Bala Suren and Mr.S.Srikanth (Alumni 2009 – 13, EIE) motivated the IV EIE students to face Tessolve Campus drive on August 23, 2017 through Video Conference.

Department of Civil Engineering

- ✓ CADD Technologies, Coimbatore trained III Civil students on ‘*STADD Pro and REVIT*’ softwares on July 8 and 26, 2017 respectively, event coordinated by Mr.S.Sebastin AP/Civil.



Civil Engineering Association Inauguration and Activities

- ✓ Civil Engineering Association was inaugurated on August 07, 2017. Dr.S.Chandran, Asso. Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai acted as Chief Guest and inaugurated the function. He delivered his inaugural address on ‘*Innovative Modern Technology in Civil Engineering*’ coordinated by Ms.R.Venkadalakshmi AP / Civil.



- ✓ Dr.S.Chandran, Associate Professor, Civil Engineering Department, Thiagarajar College of Engineering, Madurai delivered the special address on '*Career Setting*' coordinated by Mr.P.S.Naufal Rizwan AP / Civil on August 07, 2017.



- ✓ Mr.K.Karunai Raghavan, Librarian, NEC presented a talk on '*Resume Building*' for IV Civil students on August 12, 2017, event coordinated by Mr.M.Franchis David AP/Civil.



- ✓ Mr.V.Stanley Jacob Vijay, Assistant Executive Engineer, V.O.C Port Trust, Tuticorin delivered a special lecture on '*Harbour Engineering*', event coordinated by Ms.A.Gayathri AP / Civil on August 19, 2017.

Civil - Workshop Attended

- ✓ Ms.A.Gayathri attended a two days Workshop on '*BIM-3D*' organised by Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi on Aug. 23 - 24, 2017.
- ✓ Ms.R.Venkadalakshmi, Ms. A. Lilly Joice, and Mr. M.V.Mohammed Haneef had attended the one day National Workshop on '*Principles and Practices of Groundwater Modeling*' organised by Department of Civil Engineering, Bannari Amman Institute of Technology, Sathyamangalam on August 24, 2017.

Civil Alumni Interactions

- ✓ Mr.S.A.Thalavai Ragavan (Alumni 2013 – 17) delivered a special address on ‘How to Crack Gate’ organised by Civil Engineering Gate Forum on August 07, 2017 and coordinated by Mr.M.V.Mohammed Haneef AP/Civil.



Civil Student's Activities

- ✓ Final year (2014 – 2018 Batch) students had gone for an Industrial visit to ‘Annai Ready Mix’, Thalavaipuram on 03.08.2017.
- ✓ Final year (2014-2018 Batch) students had gone for an Industrial visit to ‘VOC Port Trust’, Thoothukudi on 08.09.2017.
- ✓ Two day State Level Technical Symposium on TECHYUGA’ 17 at Ramco Institute of Technology, Rajapalayam during August 12 – 13, 2017.

List of Participants:

Bramma Sakthy, K.	II Civil	Santhya, B.	II Civil
Harini Athithiya, M.	II Civil	Shanmugasree Revathi, M.	II Civil
Karthika, K.	II Civil	Subaranjani, S.	II Civil

- ✓ Professional Development and Creativity in Structural Engineering organized by PALS, IIT Madras on August 24, 2017 at IITM, Chennai

List of Participants:

Angammal, S.	IV Civil	Ranjit Raj, N.	IV Civil
Arumuga Nainar, K.	IV Civil	Sathyavadi, R.	IV Civil
Gayathri, R.	IV Civil	Vijaya Bharathi, L. M.	IV Civil
Gowrisankar, R.	IV Civil	Vipin, C. M.	IV Civil
Jeya Shalini, A.	IV Civil	Anushri, R.	III Civil
Maria Jebita, M.	IV Civil	Gawari, C.	III Civil
Nishanthi, P.	IV Civil	Kavitha, M.	III Civil
Paul Sasidharan, S.	IV Civil	Manickam, B.	III Civil
Ramanathan, G.	IV Civil	Satheesh Kumar, P.	III Civil

- ✓ InnoWAH Innovation Challenge organized by PAL'S Association and NIT, Trichy on September 5, 2017 at NIT, Trichy.

List of Participants:

Aiswarya, C.	IV Civil	Paul Sasidharan, S.	IV Civil
Arumuga Pandi, E.	IV Civil	Ponniah, J.	IV Civil
Bala Sindhiya, A.	IV Civil	Ruban, A.	IV Civil
Bommu Balaji, M.	IV Civil	Sairam, K.H.	IV Civil
Dhivya, S. B.	IV Civil	Saravana Kumar, R.	IV Civil
Gayathri, R.	IV Civil	Sathyavadioo, R.	IV Civil
Gowtham, N.	IV Civil	Senthil Kumaran, S.	IV Civil
Maharajan, T.	IV Civil	Siva Raman, K.	IV Civil

Department of Electrical and Electronics Engineering (EEE)

EEE - Institute of Engineers (India) – Students Chapter

The IE (I) Students' Chapter was inaugurated on July 20, 2017. The function was presided by Dr. M. Willjuice Iruthayarajan, Prof. & Head / EEE and Mr.M.P.E.Rajamani, AP (SG) / EEE (Staff Advisor, IE (I) Students' Chapter).



EEE Association Inauguration

- ✓ EEE Association was inaugurated on July 14, 2017 by chief guest Mr.M.K.Assan Fakkir (Alumni 2010, EEE), Senior Associate Consultant, Infosys, Thiruvananthapuram.



- ✓ Mr.A.Venkat Subramanian (Alumni 2015), IoT Solutions Architect, Panasonic, Singapore, delivered a special lecture on ‘Internet of Thing: the Connected Future’ on August 07, 2017 for III EEE students.
- ✓ Mr.S.D.R.Suresh Varman, Independent Consultant in Power, Energy, Industrial Automation and Quality Control, Chennai delivered a guest lecture on ‘Industrial Automation’ on August 16, 2017 for IV EEE students.
- ✓ Dr.K.Elanseralathan, Professor, Pondicherry Engineering College, Puducherry, delivered a special address on “Motivation to Competitive Exams” on August 18, 2017 for II EEE Students.
- ✓ EEE Association conducted a debate on ‘GST: Pros and Cons’ on July 19, 2017 for EEE students.
- ✓ Mr.M.Madhuram Brighton, Technical Personal Assistant, i/c Deputy Director of Health Services (DDHS), Tuticorin, talked about ‘The Health Awareness’ on September 15, 2017 for III EEE students.
- ✓ ISOI student members of IV EEE conducted competition on ‘Circuit Debugging’ under ISOI students’ chapter for EEE and EIE (II and III year) students on Sep.’21 & 22, 2017. Totally 36 teams (2 per team) participated.

EEE - Social Awareness Cell

- ✓ Social Awareness Camp, conducted on ‘Electricity Usage, Conservation and Safety’ for Villiseri Government Higher Secondary School Students, at Villiseri, Kovilpatti on July 26, 2017 and was coordinated by Dr.M.Ravindran, Mr.K.Kumar, Mr.K.Subburaj, Technician, Lateral Entry Students and NCC volunteers.
- ✓ Social Awareness Camp, conducted on ‘Electricity Usage, Conservation and Safety’ for Idaiseval Panchayat People, Kovilpatti on August 31, 2017 and was coordinated by Dr.M.Ravindran, Mr.K.Kumar, Mr.K.Subburaj, Technician, Lateral Entry Students and NCC volunteers. Nearly 120 peoples participated.



- ✓ Social Awareness Camp, conducted on ‘Electricity Usage, Conservation and Safety’ for S.S.D.M College of Arts and Science, Kovilpatti on September 22, 2017 and coordinated by Dr.M.Ravindran, Mr.K.Kumar, Mr.K.Subburaj.



EEE - Entrepreneurship Development Cell (EDC) Inauguration

EEE_EDC was inaugurated on July 21, 2017, Dr.M.Willjuice Iruthayarajan acted as Chief Guest and Mr.N.B.Prakash motivated the students to create self employment awareness. Mr.K.Kumar coordinated the event.

EEE - QIP / FDP / STTP / Industrial Know-How attended

- ✓ Dr.M.Willjuice Iruthayarajan, participated in a short term course on ‘Nonlinear and Adaptive Control Design’ under QIP of AICTE, New Delhi, during June 12 - 16, 2017 at IISc, Bangalore.
- ✓ Mr.R.V.Maheswari and Mrs.G.Shunmugalakshmi, participated in a short-term course on ‘Condition Monitoring, Diagnostics & Testing of High Voltage Apparatus’ under QIP of AICTE, New Delhi during July 3 – 7, 2017 at IISc, Bangalore.
- ✓ Mr.M.P.E.Rajamani and Mr.S.Sankara Kumar participated in a short-term course on ‘Real-Time Simulation for Power Electronics and Power Systems Applications’ under QIP of AICTE, New Delhi during July 10 – 14, 2017 at IISc, Bangalore.
- ✓ Mr.P.Samuel Pakianathan, participated in the Continuing Education program on ‘High Voltage Engineering – Adoptability to Smart Grid’ organized by the IIT Madras & Section V Committee of INAE on July 14, 2017 at IIT Madras.
- ✓ Mr.S.Senthil Kumar, Mr.B.Vigneshwaran and Mr.K.Kumar, attended ‘Industrial Know-How’ during June 5 – 9, 2017 at Global Power Research Institute, Cuddalore.
- ✓ Mr.K.Subburaj, Lab Technician, participated in a training program on ‘Operation and Maintenance of Power Transformers’, during June 22 - 26, 2017 at Advanced Training Institute (ATI), Chennai.

EEE - Workshops / Seminars / Conferences attended

- ✓ Mr.P.Samuel Pakianathan, attended a one day Workshop on “High Voltage Engineering – Adoptability to Smart Grid” on July 14, 2017 at IIT Madras, Chennai.
- ✓ Ms.K.Gowthami, attended a three days workshop on “Controllers and System Design using PIC Microcontrollers” during August 17 – 19, 2017 at Mepco Schlenk Engineering College, Sivakasi
- ✓ Mr.F.Antony Jeffrey Vaz, attended a two days workshop on “Python Programming” during August 21 – 22, 2017 at Anna University Regional Centre, Tirunelveli.

EEE - Student's Internship

- ✓ Ms.S.Bala Abhirami, IV EEE underwent one month internship training on ‘SSVIP-17: Effective Intrusion Detection System Using Classifiers’ during the period from June 01 to 30, 2017 at National Centre for Cyber Defence, Kalasalingam University, Krishnankoil.

EEE Alumni Interactions

- ✓ Mr.S.Venkatakrishnan, (Alumni 2017, EEE), Testing Engineer, NISSI Engineering Solutions Pvt Ltd, Chennai interacted with IV EEE students on July 3, 2017.
- ✓ Mr.M.K.Assan Fakkir, (Alumni 2010, EEE) Senior Associate Consultant, INFOSYS, Trivandrum interacted with IV EEE students on July 14, 2017.
- ✓ Mrs.M.Rajeswari, (Alumni 2014, EEE) Technology Lead, Infosys Ltd, Chennai interacted with IV EEE students on August 11, 2017.
- ✓ Ms.R.Bavithra, (Alumni 2017, EEE), Programmer, Mobius Knowledge Services, Chennai interacted with IV EEE students on August 14, 2017.
- ✓ Mr.P.Amarnath, (Alumni 2016, EEE), Trainee Engineer, Anglo Eastern Ship Management, Mumbai interacted with II EEE students on August 24, 2017.

Department of Information Technology (IT)

IT Association Inauguration

- ✓ IT Association was inaugurated on July 14, 2017 by Mr.C.Ragu Ramji.



IT - Workshop, Seminar and Conference organized

- ✓ Dr.S.Sankar Ganesh organized Faculty Development Programme on “Data Science and Big Data Analytics” during June 13 – 17, 2017.
- ✓ IT Association conducted “Etiquettes and Manners” by Dr.D.Manimegalai on July 26, 2017 and coordinated by Mr.S.Chidambaram and Ms. R.Lakshmi Devi.



- ✓ Dr.S.Sankar Ganesh and Mr.S.Chidambaram have organized Faculty Development Programme on “Data Science and Big Data Analytics” during August 07 – 11, 2017.
- ✓ Dr.S.Sankar Ganesh, Mr.L.Jerart Julius, Ms.V.Anitha and Ms.N.Gowthami organized hands on training workshop on ‘Development of IoT Applications Across Industries’ through Embedded SIG Group during August 16 – 18, 2017.
- ✓ NEC CSI Students’ Branch has conducted a three day hands on training on ‘Development of IoT Applications Across Industries’ for IT students by Mr. B. Anto, EINSTEIN Techno Solutions, Nagercoil during August 16 – 18, 2017.
- ✓ IT Association organized a one day symposium on ‘FITA’ on September 9, 2017 coordinated by Mr.S.Chidambaram and Ms.R.Lakshmi Devi.
- ✓ Dr.M.Kaliappan and Mr.G.Pandiya Rajan organized an one day seminar on “Project Management – Oracle Primevera P6” for III IT Students on September 13, 2017 along with Mr.K.Iyappan, Senior Technical Consultant, 4i apps Solutions Pvt. Ltd., Chennai.

IT - Workshop, Seminar and Conference attended

- ✓ Dr.M.Kaliappan and Mr.R.Muthukkumar have participated in a industrial training on ‘Android App Development and Web development using PHP, .NET’ during July 16 – 18, 2017 at Tekinit Solutions, Chennai.
- ✓ Dr. K.G.Srinivasagan has participated in the Faculty Enablement program on ‘Internet of Things’ during September 11- 15, 2017 at Kumaraguru College of Technology, Coimbatore organized by Infosys.
- ✓ Dr.M.Kaliappan and Mr.S.Vimal have participated in the training on ‘Android Platform’ during September 6 – 9, 2017 at Deck App Technologies Pvt. Ltd., Bangalore.

Department of Mechanical Engineering

Mechanical - Society of Automotive Engineers (SAE) Activities

- ✓ Society of Automotive Engineers (SAE) was inaugurated by Mr.K.Arumugam, (Alumni 2005, Mech.) Manager, PPC Material Management, Hyundai Motor India Ltd., Chennai on July 19, 2017.



- ✓ SAE organized Orientation Program for II Mechanical students on June 20, 2017
- ✓ SAE organized Orientation Program for III Mechanical students on June 22, 2017
- ✓ SAE organized Autokivnta'17 (Auto Expo) on August 19, 2017.
- ✓ Mr.R.Ajith (1510005) and Mr.KR.Manikandan (1510052) participated in the SAE Trek at Kongu Engineering College, Erode (Trekking Place:Yercaud Hills) during Sep.2-3, 2017.

Mechanical – Institution of Engineers (India) Student Chapter

- ✓ IEI organized Orientation Program for II Mechanical students on June 20, 2017.
- ✓ IEI inaugurated on July 19, 2017.
- ✓ Mr.M.Harihara Subramanian, IV Mechanical delivered 'TECHY TALK' on Sep. 9, 2017.
- ✓ Mr.S.Srisudhan and Mr.A.Palani Jawahar, IV Mechanical trained students on 'MS Excel Training' on September 9, 2017.
- ✓ IEI conducted Manufacturing Tech Challenge Competition, Proseek Competition and Tech Quiz Competition for II & III Mechanical Students on September 16, 2017.

Mechanical Engineering Association (MEA)

- ✓ MEA organized Orientation Program for III Mechanical students on June 7, 2017.
- ✓ MEA organized Orientation Program for II Mechanical students on June 20, 2017.
- ✓ Mechanical Engineering Association was inaugurated by Mr.T.Kanagaraj (Alumni 1991, Mech) Deputy General Manager, Ozone Project Pvt. Ltd., Chennai on June 30, 2017.



- ✓ MEA conducted an awareness talk on ‘CSWA Certification Programme’ during July 5 – 11, 2017.
- ✓ MEA conducted weekly events on ‘EG Challenge’.
- ✓ MEA organized on “JARVIS-2K17” Intra Department level Symposium on July 29, 2017.
- ✓ Mr.A.Aravind Raj, (Alumni 1990, Mech.) Project Manager, Global Infrastructure Science, Wipro Technologies, Chennai acted as Chief Guest for two days National Level Technical Symposium cum Workshop on “YUGNA-X 2K17” on Sep. 21 – 22, 2017.

Mechanical - Workshop, Seminar and Conference attended

- ✓ Mr.I.Sankar, AP (SG), Mechanical Engineering, attended two days National Workshop on Advanced Materials Characterisation Techniques at The Indian Institute of Metals, Trivandrum Chapter during August 9 – 10, 2017.
- ✓ Dr.T.Sakthi, AP, Mechanical Engineering, attended a three day workshop on Faculty Development Programme at Anna University, Tirunelveli during August 22 – 24, 2017.
- ✓ Mr.A.Arul Selvan and Mr.Harihara Sakthisudhan, attended a one day Seminar (T2P) on Experiences on Developing next Generation Precision Grinding Machine Tools at IIT, Madras on September 7, 2017.
- ✓ Mr.A.Karthick, AP, Mechanical Engineering, attended a one Week Workshop on Energy Management and Energy Audit at NIT, Tiruchirappalli during September 4 – 8, 2017.

Mechanical Alumni Interactions

- ✓ Mr.A.Aravind Raj, (Alumni 1990, Mech) Project Manager, Global Infrastructure Science, Wipro Technologies, Chennai interacted with Mech students on September 21, 2017.
- ✓ Mr.K.Arumugam, (Alumni 2005, Mech) Manager, PPC Material Management, Hyundai Motor India Ltd., Chennai interacted with Mechanical students on July 19, 2017.
- ✓ Mr.R.Jeya Krishnan, (Alumni 2005, Mech) M/s Surya Note Books, Tirunelveli, interacted with Mechanical students on July 19, 2017.
- ✓ Mr.V.Kannan, (Alumni 2005, Mech) Construction Engineer, Tirunelveli, interacted with Mechanical students on July 19, 2017.

- ✓ Mr.Anbu Kumar, (Alumni 2001, Mech) Senior Engineer, Production Department, ELGI, Coimbatore interacted with Mechanical students on June 31, 2017.
- ✓ Mr.T.Kanagaraj (Alumni 1991, Mech) Director, Operation Viva Esta Private Limited, Chennai interacted with Mechanical students on June 30, 2017.
- ✓ Mr.Kumaravendhan, (Alumni 1991, Mech) General Manager, Sterlite Corporation Company, Tuticorin interacted with Mechanical students on June 1, 2017.
- ✓ Mr.Pradeer, Maintenance and Erection Engineer, SPIC, Tuticorin interacted with Mechanical students on June 1, 2017.

Mechanical Students Activities

- ✓ Mr.V.Jeyanthram had participated in ‘Chennai International Youth Fest 2017’ on August 11, 2017.
- ✓ Mr.R.Akilesh, Mr.M.Ashok, Mr.P.Ashwin Sivagurunathan, Mr.S.Evek Mukilan, Mr.P.Ganga Raj, Mr.P.Jawahar Arun, Mr.Jeyanth Ram, Mr.J.Jeya Vijay, Mr.Karthik, Mr.Karthikeyan, Mr.R.Karonic Doss, Mr.C.Manoj Kumar, Mr.J.Mariya Jeba Rajith, Mr.Manikandan, Mr.K.K.Rama Krishnan and Mr.Pothiraj, participated in a one day Seminar (T2P) on “Experiences on Developing Next Generation Precision Grinding Machine Tools” IIT, Madras on September 7, 2017.
- ✓ Mr.M.Ahamed Yaseer, Mr.P.Arumugam, Mr.A.Parthiban, Mr.N.Saravana Suresh, Mr.P.Nagarajan, Mr.P.Raja Durai, Mr.P.Soundar, Mr.G.P.Satheesh Kumar, Mr.M.Sankar Ganesh, Mr.S.Laxmanan, Mr.Syed Irfan Ahmath, Mr.A.Sachin, participated in a Autotrix Workshop at Pragyan, National Institute of Technology, Trichy during Sep. 9 – 10, 2017.
- ✓ Mr.P.Periyanayaganathan, Mr.K.Selvamuthu Kumaran, Mr.P.Nithish Balaji, Mr.R.Selva Arun, Mr.K.P.Siva Sankaran and Mr.S.Arun Raj, participated in a Sensobotics Workshop at Pragyan, National Institute of Technology, Trichy during Sep. 9 – 10, 2017.
- ✓ Mr.V.Ajay Ganesh Ram, Ms.A.Surya, Ms.M.Dhuruva Maharishi and Mr.S.Deepak Ganesh, participated in a one day workshop on F1 IC Engines, Autonomous Cars and Hybrid Cars at Mech–Nova 2K17 in hands with Renault-Nissan and Ford on Sep.1,2017.
- ✓ Mr.S.Karthikeyan, participated in a one day workshop on ‘Automotive Sketching & Styling’ at Launchpad Academy, on July 30, 2017.
- ✓ Mr.J.Ajithkumar and Mr.S.Palaniappan, participated in a one day workshop on ‘3D Printing’ at SAEIndia SKCET on September 15, 2017.
- ✓ Mr.K.R.Praveen Krishna, participated in a two day E-Cell Leader Workshop on ‘Entrepreneurship Development and Innovation Institute’ at PMO-IEDP during September 25 – 26, 2017.
- ✓ Mr.A.Rajesh Kumar, Mr.T.Senthil Murugan, Mr.V.Thiraviyam and Mr.D.Varun, participated in a one day workshop on ‘Vehicle Dynamics’ at Bannari Amman Institute of Technology on September 23, 2017.

Department of Science and Humanities

- ✓ Department of S & H, conducted one day 'BEC (Business English Certificate)' awareness programme for the I-B.E / B.Tech Students by Mr.M.Prasanna Venkateshwaran, Consultant, Key Relationships, South India, Cambridge English Language Assessment, Chennai on July 13, 2017.



- ✓ Department of S & H and TCP have jointly organized one day Orientation Programme on 'Students Leadership Development Programme (SLDP)' for I - B.E. / B.Tech. Students on August 23, 2017.



- ✓ Department of S & H and TCP have jointly organized an event on '**Finding the Path**' by **Students Leadership Development Programme (SLDP)** Trainers for I - B.E. / B.Tech. Students on September 16, 2017.

CLUB ACTIVITIES

Maths Club

Maths Club trained I B.E. / B.Tech. Students on Aptitude, Gate, Analytical Skills, Puzzles and Mathematical tricks on September 09 and 16, 2017. Nearly 170 students participated.

Science Club

- ✓ Science Club arranged a program on “How to Prepare for a Paper Presentation” for I - B.E. / B.Tech. Students on September 16, 2017.
- ✓ First Year (2017 – 2018 Batch) students had gone for an Industrial visit to ‘CECRI’, Karaikudi on September 26, 2017.

Quiz Club

- Quiz Club conducted ‘Online Quiz’ on July 7, 2017 for II & III Year Students.
- Quiz Club conducted ‘Online General Knowledge Quiz Competition’ on Aug 29, 2017 for all the students.
- Holy Cross College, Nagercoil conducted ‘Inter College Quiz Competition’ on August 31, 2017. NEC won ‘First Prize with Rolling Trophy’.

Fine Arts Club

FINE ARTS club was Inaugurated on July 20, 2017. Staff Conveners Dr.V. Latha and Ms.S.Rajeshwari inaugurated the function.

Fine Arts Club - Celebrations of Former Chief Minister Dr. M.G.R. Centenary Birth

As per the instructions of Registrar, Anna University, Chennai (Letter No.:351/PR34//2017 dated 08.06.2017) and also the Joint Secretary, Higher Education (A2) Department, Government of Tamil Nadu, events had been organized to celebrate Former Chief Minister Dr.M.G.Ramachandran 100th birthday’ on July 28, 2017. The following events were conducted:

1. Dance Competition
2. Essay Writing Competition
3. Poetry Competition
4. Debate Competition
5. Pencil Drawing Competition



70th Independence Day Celebration

Independence Day was celebrated on August 15, 2017. Our Students actively participated and performed various events on “Patriotism”.



Essay Writing Competition ‘SWACHTA PAKHWADA’

As per the directions of the MHRD and Department of Higher Education, Government of India, an essay writing competition on ‘Innovative Ways for Spreading the Message of Hygiene’ (SWACHTA PAKHWADA) was conducted on September 5, 2017 to promote cleanliness in and around our surroundings. Nearly 28 students participated and the winners are:

- | | |
|---|-------------|
| 1. Ms. L. Josphin Justin Dhanashitta, IV – ECE- | I Prize |
| 2. Ms. S. Suriya, IV – EEE | - II Prize |
| 3. Ms. K. Muthu Ganesh Mani, II – EIE | - III Prize |

Elocution Competition ‘SWACHTA PAKHWADA’

As per the directions of the MHRD and Department of Higher Education, Government of India, we conducted an Elocution competition on ‘Health and Hygiene in Real World’ (SWACHTA PAKHWADA) on September 14, 2017, to promote cleanliness in and around our surroundings. Nearly 14 students participated and the winners are:

- | | |
|---------------------------------|-------------|
| 1. Ms. S. Suriya IV – EEE | - I Prize |
| 2. Mr. S. Aswin Kumar III – EIE | - II Prize |
| 3. Ms. R. Raja Meena III – ECE | - III Prize |



Literary Club

The Literary Club has initiated a variety of competitions such as TURN COAT, Essay Writing and debate.

➤ TURN COAT conducted on July 20, 2017. The Winners:

- | | | | | |
|-------------------------------|---|-----------|---|-----------|
| 1. Ms. R. Anushri | – | III Civil | - | I Prize |
| 2. Ms. M.Meenakshi Murugappan | – | IV ECE | - | II Prize |
| 3. Mr. M.Vignesh | – | IV Mech | - | III Prize |

➤ Essay Writing “Youth Development for the Development of India” on Aug. 18, 2017. The winners:

- | | |
|------------------------------------|------------|
| 1. Ms. K. Dhanalakshmi ‘H’ Section | - I Prize |
| 2. Ms. M. Menaka ‘G’ Section | - II Prize |

➤ Essay Writing “Gratitude towards Mother Nation” on August 21, 2017. Best writing by Ms. M. Meenakshi Murugappan – IV ECE.

➤ Debate “Is Science a Curse or a Boon” on September 11, 2017.

The Winners:

- | |
|-------------------------------|
| 1. Ms. R. Anushri – III Civil |
| 2. Ms. K. Shrimathi – II CSE |

The Runners:

- | |
|--|
| 1. Mr. A. Janarthanan – III Civil |
| 2. Ms. A. Muthu Shivashankar – III Civil |

Entrepreneurship Development Cell (ED Cell)

EDC - Entrepreneurship Awareness Camp - I

EDC, organized a three days ‘Entrepreneurship Awareness Camp – I’ sponsored by NSTEDB, DST, New Delhi (under the EDII, Ahmedabad-NIMAT Scheme) from July 12 -14,

2017 for Mech, CSE, IT, and Civil Engineering Students and coordinated by Mr.G.Esakkimuthu and his team.



EDC - Entrepreneurship Awareness Camp – II

EDC, organized a three Days Entrepreneurship Awareness Camp - II sponsored by NSTEDB, DST, New Delhi (under the EDII, Ahmedabad-NIMAT Scheme) from August 8 - 10, 2017 for ECE, EEE and EIE Students and coordinated by *Mr.G.Esakkimuthu* and his team.



EDC - Orientation Program

- ✓ EDC, Organized one day Orientation Program on ‘Activites of ED Cell and NewGen IEDC’ for all II & III year UG Students on July 29, 2017. Coordinated by Mr.G.Esakkimuthu, Mr.K.Shankar and ED Cell team.



Business Incubator Cell

- ✓ NEC Business incubator organized a “Startup” Motivational programme for UG Students on June 23, 2017. Dr.G Vinoth, (Ph.D-Steven Institute of Technology, USA), Technology Management Consultant, Tirunelveli delivered a motivational Lecture.



- ✓ Every week, NEC Business Incubator and Pongu Ventures, Tirunelveli jointly organizes one to one interaction with students to motivate them and to establish student's Startup at the campus.



- ✓ Dr.K.Manisekar attended National SC-ST Confluence on “Building a better ecosystem for SC-ST owned MSEs through Industry Associations and Incubators” on September 20, 2017 at Pravasi Bhartiya Kendra, New Delhi organized by MSME, New Delhi.





Central Library

NPTEL, IIT Madras

Our College has been recognized as one of the **Top Performing NPTEL Local Chapters** with a **rating of “AA”** based on the performance of Faculty and Students in **NPTEL Online** Certification exams which were held from January to June 2017.

The following faculty members were NPTEL Toppers during the period Jan – Jun 2017.

Basic Electronics	Programming Data Structures and Algorithms using Python	Enhancing Soft Skills and Personality	Embedded Systems Design
			
Bakrutheen, M. AP, EEE, 95%	Dr. Gomathi, V. Prof., CSE, 91%	Gajalakshmi, S. AP, S&H, 91%	Swarna Malini, J. AP, ECE, 87%

Embedded Systems Design	Wireless Ad Hoc and Sensor Networks	Probability and Random Variables / Process for Wireless Communication	Basic Electronics
			
Tamilarasi, A. AP, EEE, 85%	Naskath, J. AP, CSE, 85%	Kavitha, P. AP (SG), ECE, 83%	Chermakani, N. AP, EIE, 77%

NPTEL Results during the period Jan – Jun 2017

Sl. No.	Name of the Course	Appeared	Certified
March 2017 Session			
1	Analog Circuits	3	2
2	Chemistry I: Intro. to Quantum Chemistry & Molecular Spectroscopy	1	1
3	Design and Analysis of Algorithms	2	2
4	Engineering Mechanics: Statics and Dynamics	6	5
5	Fundamentals of Electronic Materials and Devices	30	10
6	Information Security-3	1	1
7	Introduction to Mechanical Vibration	1	1
8	Introduction to Modern Application Development	1	1
9	Introduction to Research	1	1
10	Modeling and Simulation of Dynamic Systems	1	1
11	Non Traditional Abrasive Machining Processes - Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	2	2
12	Outcome Based Pedagogic Principles for Effective Teaching	11	10
13	Principles of Communication - Part 1	1	1
14	Probability and Random Variables/ Processes for Wireless Communications	5	4
15	Programming, Data Structures and Algorithms using Python	12	10
16	Project Management	1	1
17	Waste to Energy Conversion	1	1
18	Wireless Ad Hoc and Sensor Networks	4	4
April 2017 Session			
19	Antennas	1	1
20	Basic Electronics	5	5
21	Convective Heat Transfer	1	1
22	Digital Land Surveying and Mapping (DLS & M)	1	1
23	Embedded Systems Design	6	6
24	English Language for Competitive Exams	148	89
25	Enhancing Soft Skills and Personality	71	67
26	HSE Practices for Offshore and Petroleum Industries	1	1
27	Hydration, Porosity and Strength of Cementitious Materials	2	1
28	Internetwork Security	2	2
29	Introduction to Fluid Mechanics	6	5
30	Introduction to Remote Sensing	1	1
31	Manufacturing Process Technology - I & II	5	5
32	Mathematical Methods and its Applications	1	1
33	Medical Image Analysis	2	2
34	Product Design and Development	1	1
35	Speaking Effectively	1	1
Total		339	248

Free and Open Source Software (FOSS), Spoken Tutorials, IIT Bombay Workshops

NEC Central Library organized various FOSS workshops and training offered by the Spoken Tutorial Project, IIT Bombay funded by NMEICT, MHRD, Government of India, coordinated by Mr. K. Karunai Raghavan, Librarian.

- ✓ Mr.G.Pandiyarajan AP/IT, acted as organizer for FOSS Workshop on ‘C / C++’ through Spoken Tutorial, IIT Bombay on July 6, 2017. Nearly 56 students participated.
- ✓ Mr.S.Dheenathayalan AP/CSE, acted as organizer for FOSS Workshop on ‘JAVA’ through Spoken Tutorial, IIT Bombay on August 3, 2017. Nearly 70 students participated.
- ✓ Mr.S.Vimal AP (SG)/IT, acted as organizer for FOSS Workshop on ‘NetBeans’ through Spoken Tutorial, IIT Bombay on August 17, 2017. Nearly 37 students participated.
- ✓ Mr.V.Jackins AP/IT, acted as organizer for FOSS Workshop on ‘PHP & mySQL’ through Spoken Tutorial, IIT Bombay on August 31, 2017. Nearly 69 students participated.
- ✓ Mr.V.Sivakumar AP/CSE, acted as organizer for FOSS Workshop on ‘Blender’ through Spoken Tutorial, IIT Bombay on September 14, 2017. Nearly 57 students participated.

FOSS, Spoken Tutorials, IIT Bombay – Online Assessment Test

Online Assessment test was conducted through Spoken Tutorials, IIT Bombay funded by NMEICT, MHRD, Government of India during June – September 2017.

Sl. No.	Name of the FOSS Course	Date of Online Assessment Test	Name of the Invigilator	No. of Students Appeared	No. of Students Certified
1	C/C++	13.07.2017	Mr.S.Chidambaram AP (SG) - IT	65	54
2	Java	10.08.2017	Ms.K.Usharani AP – CSE	91	75
3	PHP & mySQL	07.09.2017	Mr.S.Vimal AP (SG) – IT	94	77
4	Blender	21.09.2017	Mr.K.Karunai Raghavan, Librarian	57	54

Readers Park - Inaugural Function and Activities

The Readers Park inaugural function and Reading Carnival 2017 celebration was held on July 01, 2017. Jc.HGF.K.V.Ramesh had inaugurated the Readers Park by launching the video and delivered the Chief Guest address. Nearly 250 students from various departments had attended the Reading Carnival 2017. Mr.K.Karunai Raghavan, Librarian, Mr.S.Cammillus, AP (SG) / ECE and Mr.V.Jackins, AP/ IT coordinated the entire function.



- ☞ Readers Park, conducted the ‘Talk on Situational Analysis’ on July 11, 2017. Ms.R.Anushri, III Civil had acted as moderator of the event. Nearly 20 members participated.
- ☞ Readers Park, organized the ‘Vocabulary Chase’ on July 25, 2017. Ms.G.Joselin Pavya Elezabeth, IV CSE had acted as moderator of the event. Nearly 19 members participated.
- ☞ Readers Park, conducted the ‘Spell Bee using Phonetics’ on August 01, 2017. Ms.V.Preetha, II ECE had acted as moderator of the event. Nearly 17 members participated.
- ☞ Readers Park, organized the ‘Jumbled Words’ on August 08, 2017. Ms.Meenatchi Murugappan, IV ECE had acted as moderator of the event. Nearly 11 members participated.
- ☞ National Librarian’s Day celebration held on August 12, 2017. Ms.M.T.Raagavi, III Civil has acted as moderator of the event. Nearly 33 members participated.
- ☞ Ms.R.Anushri, III Civil and Mr.M.Veera Shanthy Ram, IV EIE had participated in the Regional Pre-finals of ‘ICT Academy Youth Talk 2017’, organized by ICT Academy on August 18, 2017.
- ☞ Mr.M.Veera Shanthy Ram, IV EIE had secured 3rd place in the Regional Finale, Madurai of ICT Academy Youth Talk 2017, organized by ICT Academy on August 19, 2017.
- ☞ Engineers’ day celebration held on September 16, 2017. The Event mentored by Mr.K.Karunai Raghavan, Librarian and Mr.V.Jackins, AP, IT, NEC. Nearly 33 members participated.
- ☞ Turn coat is a form of a speech where the speaker presents his ideas both for and against the topic. Readers Park, conducted the Turn Coat on Sep. 19, 2017. Mr.A.Velrajan and Mr.R.Vigneswaran from II CSE coordinated the event. Nearly 18 members participated.

Physical Education

Tournaments Organized

- ✓ Physical Education department organized the School Level, Kovilpatti - Zone Basketball Tournament held on July 5, 2017 at NEC Basketball Court.



- ✓ Physical Education department organized the School Level, Kovilpatti - Zone Athletic Meet on July 18 & 19, 2017 at NEC Football Ground.
- ✓ Physical Education department organized Refresher Course / Clinic for Senior National Arbiters, State Arbiters and State Coaches in Chess on July 30, 2017 at NEC. Nearly 91 members participated.
- ✓ Physical Education department organized Anna University, Chennai Zone - 18 Men Basket Ball Tournament at NEC during August 9 & 10, 2017. Totally 14 teams participated.
- ✓ Physical Education department organized Anna University, Chennai Zone - 18 Men & Women (Separately) Chess Tournament at NEC on August 18 & 19, 2017. 13 Men teams and 10 women teams participated.

Achievements of our Students

- ✓ NEC Men and Women Badminton Teams secured Runner in the Zone -18, Anna University Zonal Tournament for the year 2017-18 at Mepco Schlenk Engineering College, Sivakasi on August 1 & 2, 2017.
- ✓ NEC Men Basketball Team secured Runner in the Zone -18, Anna University Zonal Tournament for the year 2017-18 at NEC during August 9 & 10, 2017.
- ✓ NEC Men Chess Team secured Third place in the Zone -18, Anna University Zonal Tournament for the year 2017-18 at NEC, August 18 & 19, 2017.
- ✓ NEC Women Table Tennis Team secured Winner in the Zone -18, Anna University Zonal Tournament for the year 2017-18 at Regional Centre, Anna University, Tirunelveli on September 1 & 2, 2017.
- ✓ NEC Women Ball Badminton Team secured Winner in the Zone -18, Anna University Zonal Tournament for the year 2017-18 at University V.O.C. College of Engineering, Thuoothukudi on August 30 & 31, 2017.

- ✓ NEC Men Hockey team secured Third prize in Zone -18, Anna University Zonal Tournament for the year 2017-18 at Anna University Regional Centre, Tirunelveli on September 4 & 5, 2017.



Placement Details: (During June – September 2017)

Sl. No.	Reg. No.	Student's Name	Dept.
M/s. SmartDV Technologies, Bangalore (July 15, 2017)			
1	1411010	Ms.M.Anugraha	ECE
2	1411007	Ms.S.Anna Lakshmi	ECE
3	1411073	Ms.K.Priya	ECE
M/s. VVDN Technologies, Chennai (August 5, 2017)			
4	1411043	Ms.S.Krishnaveni	ECE
5	1411079	Ms.R.Ramalakshmi	ECE
6	1411115	Ms.E.Vijaya Gopika	ECE
7	1411022	Ms.A.Dharmalakshmi	ECE
8	1411030	Ms.K.M.Jayapriya	ECE
9	1413078	Mr.S.Prabhu	EEE
10	1413079	Mr.P.R.Prakash	EEE
M/s. Vuram Technology Services Pvt. Ltd, Chennai (August 12, 2017)			
11	1412094	Ms.N.Shree Harini Keerthana	CSE
M/s. IVTL Infoview Technology, Chennai (August 19, 2017)			
12	1412094	Ms.N.Shree Harini Keerthana	CSE
13	1412082	Mr.S.Ramshankar	CSE
M/s. Mistral Solutions, Bangalore (August 29, 2017)			
14	1411060	Ms.M.Muthu Rajaselvi	ECE
15	1411085	Ms.M.Selvamari	ECE
16	1415004	Ms.M.Almas Fathima	IT
17	1412016	Ms.M.Bala Naveena @ Nivetha	CSE
18	1412001	Ms.J.Aarthy Bernadit	CSE
19	1412501	Ms.J.Nigesh	CSE

	M/s.Vernalis, Madurai (August 31, 2017)		
20	1411038	Ms.S.Kausalya Devi	ECE
21	1411019	Ms.J.Cinthu Yalini	ECE
22	1411097	Ms.T.Sruthi	ECE
23	1415037	Mr.S.Pravin Kumar	IT
	M/s. Codem, Tirunelveli (September 5, 2017)		
24	1412035	Ms.G.Joselin Pavya Elezabeth	CSE
25	1412081	Ms.E.Rajpriya	CSE
26	1412114	Ms.M.Vishalatchi	CSE
27	1412049	Ms.P.Manimekala	CSE
28	1415046	Ms.J.Simon Ameero	IT
	M/s. Tessolve Semi Conductors, Bangalore (September 15, 2017)		
29	1411067	Ms.G.Pavithra	ECE
30	1411003	Ms.S.Aishwarya	ECE
31	1411016	Ms.V.Bhuvaneshwari	ECE
32	1411093	Ms.J.Sooralakshmi	ECE
33	1414056	Mr.M.Veera Shanthi Ram	EIE
34	1414035	Mr.G.S.Rahul	EIE
35	1413108	Mr.R.Sritharan	EEE
36	1413055	Mr.B.Mathana Gopal	EEE
	M/s Excel Die Casting, Chennai (September 18, 2017)		
37	1410067	Mr.K.Paramasivam	Mechanical
	M/s. Solartis, Madurai (September 20, 2017)		
38	1412056	Ms.M.A.Mohammed Aafreen Fathima	CSE
39	1412055	Mr.A.Mohamed Nizar	CSE
40	1411015	Mr.R.Bala Subramanian	ECE
41	1415051	Ms.K.Subha Sree	IT
	M/s. Gobdtech, Chennai (September 23, 2017)		
42	1415010	Mr.S.Balamurugan	IT
43	1415030	Mr.B.Marimuthu	IT
44	1412098	Ms.G.Sindhuja	CSE

National Cadet Corps (NCC)[2/9(TN) SIG. COY. NCC] for Men & Women

- ✓ Interunit Competition Cum Thal Sainik Camp at Mannar Thirumalai Naicker College, Madurai during June 4 – 13, 2017.

– For men

S. No.	Cadet Name	Year	Dept
1	Raguraman.R	III	EEE
2	Ranjithkumar.G	III	EEE
3	Saravanan.S	III	MECH
4	Karthick.R	III	IT
5	Rajkumar.M	III	CIVIL
6	Pasupathy.T	III	MECH
7	Sivakumar.S	III	EEE
8	Surya Kumar.C.V	III	EEE

– For Women

S. No.	Cadet Name	Year	Dept
1	Kalaierasi.S	III	ECE
2	Santhana Sowmiya.S	III	ECE
3	Sugasini.M	III	EEE
4	Vanitha.S	III	EEE

- ✓ Basic Leadership Camp at Periyar Maniammai Uni., Thanjavur on July 13 – 22, 2017.

S. No.	Cadet Name	Year	Dept
1	Goutham Kannappan.C	III	ECE
2	Karthick. R	III	IT
3	Gokulnath.B	III	EIE
4	Surya Kumar.CV	III	EEE

- ✓ Inter Unit Competition Cum Republic Day Camp at National Training Academy, Idayappati during July 28 – August 6, 2017.

– For men

S. No.	Cadet Name	Year	Dept
1	Karthick.M	III	ECE
2	Saravanan.S	III	MECH
3	Venkat Raman.K	III	MECH

- For women

S. No.	Cadet Name	Year	Dept
1	Kalaiarasi.S	III	ECE
2	Rajakumari. RA	III	CSE
3	Subbulakshmi.M	III	IT

- ✓ Army Attachment Camp at 4 Enggr's Regiment, Secunderabad on August 1 – 15.2017.

S. No.	Cadet Name	Year	Dept
1	Narayanan.B.M	IV	ECE
2	Sutharsan.S	IV	ECE
3	Subbiah.S	IV	EIE
4	Sankarramaguru.M	IV	EIE

- ✓ RDC TRG-I Camp at James College of Engg, Nagercoil during Aug. 23 – Sep. 1, 2017.

- For men

S. No.	Cadet Name	Year	Dept
1	Saravanan.S	III	MECH
2	Venkat Raman.K	III	MECH

- For women

S. No.	Cadet Name	Year	Dept
1	Belcica.I	III	IT
2	Uma.B	III	EEE
3	Seetha.K	III	EEE
4	Kavitha.P	III	EEE
5	Lakshmi Brindha. S	III	EEE
6	Vishnupriya. K	III	EEE
7	Muthuvarathalakshmi.M	III	EEE
8	Nishanthi.R	III	EEE

- ✓ ATC cum CWS BC Selection Camp at National Engineering College, Kovilpatti during September 8 – 17, 2017

S. No.	Cadet Name	Year	Dept
1	Karthick.R	III	IT
2	Manoj Vinayak.M	III	MECH

Tree Plantation during August 06 – 15, 2017



International Yoga Day Celebration at NEC on June 21, 2017



Independence Day parade Chief Guest Lt. Col.G.Vetrivel hosting the National Flag and addressing gathering on August 15, 2017.



Swachh Sankalp Se Swachh Siddhi Essay Competition on August 08, 2017



National Service Scheme (NSS)

International Yoga day

Celebrated ‘**International Yoga Day**’ on June 21, 2017. 75 NSS volunteers participated.



VOTER Awareness Camp

NEC, NSS Conducted Voter Awareness Camp on June 28, 2017 by Kovilpatti Election Tahsildar Mr. Johnson Devasagayam, Deputy Tahsildar Mr. Manikandan and Revenue Inspector Mr. Govindaraj delivered the instruction and demonstrated the Voters enrollment Form filing through online. 100 NSS volunteers and students participated.



Voter Awareness Rally

To create voter awareness, a rally among youngsters was organized nearly 100 NSS volunteers participated in this rally on June 30, 2017 at Kovilpatti. Kovilpatti Election Tahsildar **Mr. John Devasagayam**, acted as Chief Guest and flagged off a rally.



Swachhata Pakhwara – Day - 1

NEC, NSS organised a one day seminar on ‘Swachhata’ on August 1, 2017 at NEC. Nearly 100 NSS volunteers had participated.



Day (2-5)

NSS Unit I & II devoted 4 days (August 2 – 5, 2017) service for cleaning our college campus. They cleaned each and every part of our campus such as lawns, playgrounds etc.,

DAY (6-8)

100 NSS volunteers visited the adopted Manthithoppu village and took up door to door campaign to create awareness about the importance of cleanliness in their surroundings during August 6 – 8, 2017.



During the campaign the discussion has been focused on open defecation free village. The villagers had been convinced to construct toilets in their premises & also to make use of it.



NSS units has been directed to procure informative materials like leaflets, handouts from the local agencies working in the similar fields, for further distribution to the people while visiting door to door in the adopted areas.

DAY (9-10)

The NSS units devoted two days August 9 – 10, 2017 for the intensive cleaning of the adopted village. Efforts had been made to involve local people so that they understand the dignity of labour and develop the habit of keeping their surroundings clean.



DAY (11-13)

100 NSS volunteers dedicated their services for cleaning the area of agencies and also for various welfare activities. Special drive has taken to clean statues on August 11 – 13, 2017.



DAY (14)

A one day rally had been organized, around 100 volunteers participated in the event and depicted various messages of cleanliness, through banners and placards to create awareness among the masses on August 14, 2017.



Thooimai Thoothukudi

To create awareness of 'Cleaning India Mission', our NSS volunteers participated in the Thooimai Thoothukudi event on August 12, 2017 and they received the 'Appreciation Award for Best Service' from the Thoothukudi District Collector on Independence Day function on August 15, 2017.



Orphanage

65 NSS volunteers visited the Amar Seva Sangam orphanage at Ayikudi on Sep.9, 2017. There, our Volunteers offered lunch to the children and spent a day with them by interacting with the children.



Yoga Club

International Yoga Day

International Yoga Day was celebrated on July 21, 2017 at our college. Prof.V.Nagarajan, Yoga Trainer, Manavalakalai Mandram, Kovilpatti was the Chief Guest and Prof.S.Muralikrishnan, Project Director, VISA Inc., California and also US YOGA Coordinator was the Special Guest of the occasion. Dr.S.Shanmugavel, Principal elucidated the importance of YOGA in the Presidential address. Dr.Kn.K.S.K.Chockalingam, Director distributed certificates to the students who have completed one year diploma course on 'Yoga for Youth Empowerment (YYE)' for the year 2016-17. Yoga club conducts classes twice a week throughout the year and confers a diploma degree on the completion of the Yoga course. Nearly 155 students attended the event.

The programme was coordinated by Dr.S.Tamil Selvi, Professor and Head (PG) / ECE, Mr.T.Vijayanandh, Assistant Professor(Sr. Grade), ECE Department and Ms.P.Gayatri, Assistant Professor, ECE Department.

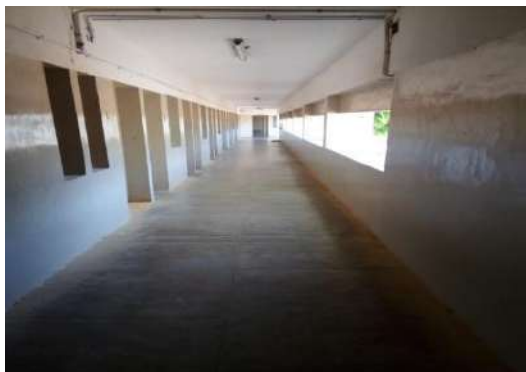




SWACHTA PAKHWADA - Boys Hostel

The Ministry of Human Resource Development (MHRD), Department of Higher Education, Government of India has proposed to celebrate 15 Days Programme on **SWACHTA PAKHWADA** to promote cleanliness in and around our surroundings during September 1 – 15, 2017.

On 02.09.2017 – Clean Hostel Day & 04.09.2017 – Clean Mess Day were organized under the guidance of our honorable Director Dr.Kn.K.S.K.Chockalingam and Principal / Warden Dr.S.Shanmugavel. All the inmates from Hostel I – 377 & Hostel II – 292 participated in the hostel campus and mess cleaning day events in the presence of NEC Boys Hostel Associate Wardens, Resident Wardens and Tutors.





Contest on ‘Cleanest Hostel Room’

NEC Boys Hostel and NEC ECO Club jointly organized a Contest on ‘Cleanest Hostel Room’ on September 13, 2017, coordinated by Mr.P.Ramanan, Asst. Prof. (SG) / MECH and the Judgment by Mr.K.Rajkumar, Asst. Prof / CSE.

Scheme for evaluation and Rubrics were prepared and based on the evaluation criteria three rooms from Boys Hostel – I (I- 127, II - 149 and III- 103,137) and three rooms from Boys Hostel II (I - S- 86, II- S-102 and III- S -106) were selected as cleanest room.

Sample Photographs of Best Rooms in Boys Hostel





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



Estd: 1984

National Engineering College

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

Web: www.nec.edu.in

Lakshmi Ammal Polytechnic College

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

Web: www.lakshmiammalpolytechnic.com



Estd: 1984



Estd: 1997

K.R.College of Arts & Science

(Affiliated to M.S.University, Tirunelveli)

Web: www.krcollege.net