



# ST.ANNE'S

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to Anna University, Chennai)

(An ISO 9001:2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607106

### Annual Report of St. Anne's College of Engineering and Technology for 2017-2018

St. Anne's College of Engineering and Technology (St. Anne's CET), an ISO 9001:2015 certified institution, was established in the year 2009 with 4 academic programs: Bachelor of Computer Science & Engineering, Electronics & Communications Engineering, Electrical & Electronics Engineering, and Mechanical Engineering with an intake of 60 students in each department. since its inception, the college has been doing a meaningful service to the society, centering around its motto, "To Build a Holistic Society", by the blessings of the almighty God.

I am glad to highlight the various activities of St. Anne's CET, for the academic year 2017-2018.

The academic year, 2017-2018, was started on 26.06.2017 for the II, III and IV year students. The fresher entered into the portals of St. Anne's CET on 01.09.2017. To invoke God's blessings a Holy Mass was celebrated on 03.09.2018 for all the staff and students. A one day motivation program was conducted for the faculty on 20. 06. 2017 to generate divergent thinking in their profession. Another orientation seminar was conducted to the faculty members on 26. 01. 2018 at JIM, St. Joseph's college, Trichy, by a team of staff from JIM. This seminar enabled the staff to enhance their personal and professional skills and motivated them to develop the students as achievers in their respective discipline.

#### Admission

It is a tough mission to search students and to bring them to our institution for admission, as very few students opt for engineering. By the strenuous effort of the staff and management 148 students were admitted this year. Students admitted in each department and the numbers of faculty working are given below:

S. No.	Department	Allowed strength	Present strength	No. of faculty
1	CSE	60	53	12
2	ECE	60	21	12
3	EEE	60	20	12
4	MECH	60	39	11
5	S&H(I year)	-	-	12

## ISO 9001:2015 Certification

A step of taking the Institution to the next level, the management has decided to go for ISO certification. To obtain the ISO 9001:2015 certification from the TUV organization for TUV STUD with three years validity, the certification was initiated on 06.10.2017. As per the norms of the organization a quality policy was formed and preparatory work was started to meet up the objectives. A preliminary Internal Audit was made to examine the progress of the work. A Certification Audit was conducted on 22.03.2018 and our Institution was raised to the ISO certified Institution on 09.05.2018 and it is valid till 08.05.2021.

During the academic year 2017-2018 the departments have organized Faculty Development Programs (FDP), workshops, guest lectures and seminars for the benefit of the staff and students. It is tabulated below.

### Departmental activities

Programs conducted in each department are given department wise in detailed.

Department	FDP	Workshop	Guest Lecture /	Nonacademic Events
CSE	1	6	2	1
ECE	-	11	2	3
EEE	-	-	1	1
MECH	-	4	14	3
S & H	-	-	3	2

### Department of Computer Science and Engineering

- Faculty Development Program (FDP) on Python Programming was conducted by Mr. S. Manavalan, Assistant Professor (AP)/CSE on 5<sup>th</sup> August 2017 at St. Anne's College of Engineering and Technology.
- A one day workshop on Hardware and Servicing was conducted by Mr. S. Rajarajan, AP/CSE and Mr. X. Martin Lourduraj, AP/CSE for the second year students on 12<sup>th</sup> September 2017.
- A two day workshop on Core Java was conducted by Mr. S. Jerald Nirmal Kumar, AP/CSE on 12.09.2017 and 13.09.2017 for the third year students.
- A two day workshop on PHP was conducted by Mrs. M. Senthamarai Selvi, Associate professor (ASP)/ CSE and Mrs. K. Poornambigai, AP/CSE for our final year students on 13th and 14th September 2017.
- The Engineers day was celebrated on 23<sup>rd</sup> September 2017.
- A workshop on "Core Java" was conducted by Mr. S.Jerald Nirmal Kumar, ASP/CSE&Ms.V.Varalakshmi, AP/CSE for the second year students at St.Anne's College of Engineering and Technology on 28th December 2017.

- The workshop on “PHP” handled by Mrs. M.SenthamaraiSelvi, HOD &ASP and Mrs.K.Poornambigai, Assistant Professor for the third year students at St.Anne’s College of Engineering and Technology on 30th December 2017.
- A guest lecture was conducted on “Strategy planning on successful goals” by Dr. R. Arokiadass, Principal, St.Anne’s CET for the final year CSE students on 9th February 2018.
- A one day seminar was conducted on “Awareness of Placement” given by Mr.S.Jerald Nirmal Kumar, ASP for the final year students at St.Anne’s College of Engineering and Technology on 22nd February 2018.
- The workshop on “PYTHON 3.2” was conducted by Mr.S.Manavalan, ASP and Mr. S. Rajarajan, AP for the final year students at St.Anne’s College of Engineering and Technology on 15th March 2018.

### **Department of Electronics and Communication Engineering**

- A one day workshop was conducted on “8086 Simulator” by Mrs. D. Umamaheswari, ASP/ECE for the third year students at St. Anne’s College of Engineering &Technology on 08th July, 2017.
- A one day workshop was conducted on “8085 Simulator” by Ms. S. Devika, AP/ECE for the third year students at St.Anne’s College of Engineering &Technology on 08th July, 2017.
- A one day workshop was conducted on “8051 Simulator using Keil Software” by Ms. S. K. Suriya AP/ECE for the third year students at St. Anne’s College of Engineering &Technology on 08th July, 2017.
- A two day National level workshop was conducted on “Sensor Interfacing using ARM-7 Processor (LPC 2148)” by Mr. S. BalaBaskar, ASP/ECE and Ms. S. K. Suriya, AP for the final year students at St.Anne’s College of Engineering &Technology from 9th August, to 10th August, 2017.
- A two day National level workshop was conducted on “Image Processing Techniques Using MATLAB” by Sr. Anita, HOD/ECE, Mrs. M. Vaidehi, Prof., and Mrs. Mrs. C. Suganya, AP/ECE, for the third Year students at St.Anne’s College of Engineering &Technology from 7th & 8th September, 2017.
- A one day workshop was conducted on “Microsoft Word” by Mrs. M.Vaidehi, Prof., Mrs. D. Umamaheswari, ASP/ECE, and Mrs. B. Mary Amala Jenni, AP/ECE, for the final year students on 15th November, 2017 at St.Anne’s College of Engineering & Technology.
- A one day workshop was conducted on “Microsoft PowerPoint” by Mr. R. Radhakrishnan, AP/ECE and Ms. C. Adithya, AP, for the final year students on 15th November, 2017 at St.Anne’s College of Engineering & Technology.
- A one day workshop was conducted on “Microsoft Excel” by Mr. S. BalaBasker, ASP and Mr. S. Durairaj, AP/ECE, for the final year students on 15th November, 2017 at St.Anne’s College of Engineering & Technology.

- A one day workshop was conducted for the final year students on “E-Mail” by Mr. S. BalaBasker, ASP and Mr. V. Venkatesan, AP on 15th November, 2017 at St.Anne’s College of Engineering & Technology.
- The Engineer’s day was celebrated on 15th September, 2017. Various competitions including Technical and Non - Technical events were conducted for Students and Staff Members.
- The student’s refreshment programs like games, quiz, etc was conducted to encourage the students on 17<sup>th</sup> September, 2017.
- A one day tour was arranged for the staff members on 18th November, 2017 and the places Gangai Konda Cholapuram, Danish fort and Pichawaram were visited.
- A one day workshop was conducted for the third Year students on “Antenna Designing for Wireless Communication” by Mrs. B. Mary Amala Jenni AP/ECE and Mr. S. Durairaj AP/ECE at St. Anne’s College of Engineering and Technology on 6th January 2018.
- A one day technical seminar was conducted on “Effective project presentation and implementation” by Sr. S. Anita., HOD/ECE for the final year students at St. Anne’s College of Engineering and Technology on 8th February 2018.
- A guest lecture on “Strategy planning on successful Goals” was conducted for the final year students on 9th February, 2018 by Dr. R. Arokiadass., Principal, St. Anne’s College of Engineering and Technology.

#### **Department of Electrical and Electronics Engineering**

- A one day Seminar was conducted on “Smart grid and its applications” by Mr. M.V. Balaji and Mrs. C. Ezilarasi, ABB. Pvt. Ltd Chennai, for the final year students at St. Anne’s College of Engineering and Technology, on 11th August 2017.
- A preliminary Energy Audit was done for Administrative Block as a part of Energy and Environment Club activity and its detailed report of findings as well as a set of upgrade recommendations were presented by Mr. K. Sriram and Mr. A. Richard Pravin on 20<sup>th</sup> June 2017.

#### **Department of Mechanical Engineering**

- A motivational program was conducted by Dr. M. Mahendran, M.A, B.Ed, M.Phil, Ph.D., for II, III, IV students on 6th July 2017.
- An awareness program was conducted by Mr. Sivaperumal, Sai NDT, Pondicherry on Nondestructive testing for final year mechanical students on 20th July 2017.
- An awareness program was conducted on Road Safety for the mechanical students by Mr. Venketakrishnan, Regional Transport Officer on 28th July 2017.
- The CAD workshop was conducted for the second year students by Vector Solutions, Pondicherry on 6th August 2017.
- The Teachers’ day was celebrated by mechanical students on 5th September 2017.
- The Engineers day was celebrated on 15th September 2017 by the mechanical department.
- The CAD workshop was conducted for the final year students on 7th September 2017 by CAD Center, Villupuram.

- A motivational program was conducted by Mr. P. Murugan, AP/ Mech. on “Financial Management” at St Anne’s College of Engineering and Technology on 23rd January 2018.
- A motivational program was conducted by Mr. K. Shanmugha Elango, ASP/Mech on “Job Opportunities in Foreign Countries” at St Anne’s College of Engineering and Technology on 30th January 2018.
- A motivational program was conducted by Mr. R. Sasikumar, AP/Mech on “Recent Trends in Mechanical Engineering” at St Anne’s College of Engineering and Technology on 6th February 2018.
- A motivational program was conducted by Mrs. Annie John ASP/Mech on “Private Job Opportunities in India” at St Anne’s College of Engineering and Technology on 13th February 2018.
- A one workshop was conducted on “Fire and Safety” at St Anne’s College of Engineering and Technology on 14th February 2018.
- A motivational program was conducted by Mr.T.Elangovan AP/Mech. on “Higher Studies “at St Anne’s College of Engineering and Technology on 20th February 2018.
- A motivational program was conducted by Sr. Josephine Mary, AP/Mech. on “Inner child”at St Anne’s College of Engineering and Technology on 27th February 2018.
- A motivational program was conducted by Mr. S. Balabaskar, ASP/ECE on “Life Challenges “at St Anne’s College of Engineering and Technology on 6th March 2018.
- A motivational program was conducted by Mr. A. Richard Pravin, ASP/EEE on “Interview Skills” at St Anne’s College of Engineering and Technology on 13th March 2018.
- A motivational program was conducted by Mr.K.Saravanan, ASP /Mech. on “Scope of Entrepreneurship” at St Anne’s College of Engineering and Technology on 20th March 2018.
- A motivational program was conducted by Mr. U. Naveenkumar, AP/Mech on “Public Sector Opportunities in India “at St Anne’s College of Engineering and Technology on 27th March 2018.

#### **Department of Science and Humanities**

- A motivational program was conducted on “Goal Setting Techniques” for the first year students by Dr.A.John Peter, Professor/S& H at St. Anne’s College of Engineering and Technology on 3rd Febraury 2018.
- A one day seminar was organized on “Self motivational trigger for budding Engineers” by Mr. D.Ommurugadhasan, Professor and Head/Mech. on 22<sup>nd</sup> February, 2018.
- A motivational program was arranged for the I Year students on the topic “The Mindset of Engineering Students at the End of First Year Course” by Dr.A. John peter, Professor & HOD/S& H on 24th April 2018.

#### **FACULTY ACHIEVEMENTS**

Our faculty members have attended and presented papers in seminars, workshops and conferences to enrich their knowledge. Some faculty had served as resource persons in St. Anee’s CET and other colleges. This is given department wise.

Department	Workshop	Guest Lecture / Seminar	Conference	FDP	Nonacademic Events
CSE	6	7	18	-	1
ECE	3	1	13	8	-
EEE	1	2	20	6	2
MECHANICAL	2	-	9	-	1
S & H	2	1	5	-	3

### Department of Computer Science and Engineering

- Ms. V. Varalakshmi, AP/CSE participated in the ICMR sponsored two days National Seminar on “Machine Learning Techniques for Medical Image Applications” at IFET College of Engineering, Villupuram on 7th and 8th July 2017.
- Mrs. D. Pauline Freeda, ASP/CSE, Mrs. K. Poornambigai AP/CSE, Mr. S. Manavalan ASP/CSE, Mr. X. Martin Lourduraj AP/CSE, Ms. V. Varalakshmi AP/CSE participated in the workshop on “Preparing Journal Manuscript using Latex Software” organized by Research and Development Cell at St. Anne’s College of Engineering and Technology on 29th July 2017.
- Mrs. K. Poornambigai, AP/CSE participated in workshop on “Python Programming” at S.A. Engineering College, Chennai on 30th and 31st August 2017.
- Mr. S. Jerald Nirmal Kumar, ASP participated in the AICTE sponsored Seminar on “Multimedia Information Retrieval-Research Issues” at M.A.M. College of Engineering, Tiruchirappalli on 25th and 26th September 2017.
- Mrs. M. SenthamaraiSelvi ASP/CSE, Mr. S. Rajarajan, ASP/CSE participated in a one day National Seminar on “Mathematics of Machine Learning” at IFET College of Engineering, Villupuram on 14th October 2017.
- Mrs. D. Pauline Freeda ASP/CSE, Mr. S. Manavalan ASP/CSE, Mr. X. Martin Lourduraj AP/CSE, participated in a two day National Seminar on “Microsoft Azure-Research Perspective” at IFET College of Engineering, Villupuram on 15th and 16th December 2017.
- Ms. S. Vanathi, AP/CSE, participated in the National Conference on “National Colloquium on Leadership for Disruptive World: Disruptive Innovation Technology” at St. Joseph’s Institute of Management, Tiruchirappalli on 23rd & 24th January 2018.
- Mrs. D. Pauline Freeda, ASP/CSE, had given a Motivational talk about “Women empowerment skills and strategies” for First year girls at St. Anne’s College of Engineering and Technology, Panruti on 22nd February 2018.
- Mrs. M. Senthamarai Selvi, ASP/CSE and Mr. S. Rajarajan, ASP/CSE presented a paper titled “Human Activity Recognition by Triliteration HMSA” in National Conference on Research and Development in Science, Engineering and Technology

(NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.

- Mrs. M. SenthamaraiSelvi, ASP/CSE and Mr. S. Rajarajan, ASP/CSE presented a paper titled on “Ant Based Routing and QoS Effective Data Collection for Mobile Wireless Sensor Network” in National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.
- Mrs. M. SenthamaraiSelvi, ASP/CSE presented a paper titled on “Android Based Position Detecting and Tracking System Using GPS and GSM” in National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.
- Mrs. D. Pauline Freeda, ASP/CSE presented a paper titled on “Securing an Image Using Arithmetic Coding and Hyper Chaotic Map” in National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.
- Mrs. D. Pauline Freeda, ASP/CSE and Mr. X. Martin Lourduraj, AP/CSE presented a paper titled on “KNN classification over semantic encryption of data” in National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.
- All the faculty members had presented a paper in National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) at St. Anne's College of Engineering and Technology, Panruti on 23rd March 2018.

### **Department of Electronics and Communication Engineering**

- Mrs. D. Umamaheswari, ASP/ECE and Ms. S. K. Suriya AP/ECE attended a seminar on “Big Data Analytics for Healthcare Applications” held on 23rd June, 2017 at IFET College of Engineering.
- Ms. B. Mary Amala Jenni, AP/ECE attended a Workshop on “Preparing Journal Manuscript Using Latex Software” on 29th July, 2017 at St. Anne's College of Engineering and Technology.
- Ms. B. Mary Amala Jenni, AP/ECE, Ms. S. Devika, AP/ECE, Mrs. C. Suganya, AP/ECE and Ms. C. Adithya, AP/ECE attended a two day Workshop held from 07th September, 2017 to 08th September, 2017 on “Image Processing Techniques Using MATLAB” at St. Anne's College of Engineering and Technology.
- Mr. V. Venkatesan, AP/ECE and Mr. S. Durairaj, AP/ECE attended a two day Workshop held from 07th September, 2017 to 08th September, 2017 on “Image Processing Techniques Using MATLAB” at St. Anne's College of Engineering and Technology.
- Mrs. M. Vaidehi, Prof/ECE., Mrs. D. Umamaheswari, ASP/ECE, Ms. S. Devika, AP/ECE and Ms. S. K. Suriya, AP/ECE participated in an online Faculty Development Program held on 13th September, 2017 by DELLSOFT Technologies

Pvt. Ltd. on “Circuit Simulation/PCB Design using Target 3001” at St. Anne’s College of Engineering and Technology.

- Mr. S. BalaBaskar, ASP/ECE, Mr. V.Venkatesan, AP/ECE, Mr. R. Radhakrishnan, ASP/ECE and Mr. S. Durairaj, AP/ECE participated in an online Faculty Development Program held on 13th September, 2017 by DELLSOFT Technologies Pvt. Ltd. on “Circuit Simulation/PCB Design using Target 3001” St. Anne’s College of Engineering and Technology.
- Mrs. M. Vaidehi, Prof/ECE., Mrs. D. Umamaheswari, ASP/ECE, Ms. C. Adithya, AP/ECE and Mrs. C. Suganya, AP/ECE participated in an online Faculty Development Program held on 13th September, 2017 by DELLSOFT Technologies Pvt. Ltd. on “Networking simulation using Qualnet Software” at St. Anne’s College of Engineering and Technology.
- Mr. S. BalaBaskar, ASP/ECE, participated in an online Faculty Development Program held on 13th September, 2017 by DELLSOFT Technologies Pvt. Ltd. on “Networking simulation using Qualnet Software” at St. Anne’s College of Engineering and Technology.
- Mrs. M. Vaidehi, Prof/ECE. And Ms. S. Devika, AP/ECE participated in a Faculty Development Program held from 13th November, 2017 to 26th November, 2017 titled “Nanotechnology for Energy and Agricultural Sectors” at IFET College of Engineering.
- Mrs. B. Mary Amala Jenni, AP/ECE, Mrs. C. Suganya, AP/ECE and Ms. S. K. Suriya AP/ECE, participated in a Faculty Development Program held from 24th November, 2017 to 30th November, 2017 titled “EC8252 – Electronic Devices” at Centre for Faculty Development, Anna University, Panruti.
- Mr. R. Radhakrishnan, ASP/ECE, Mr. V.Venkatesan, AP/ECE, participated in a Faculty Development Program held from 24th November, 2017 to 30th November, 2017 titled “EC8252 – Electronic Devices” at Centre for Faculty Development, Anna University, Panruti.
- Mr. S. Durairaj, AP/ECE, participated in a Faculty Development Program held from 27th November 2017 to 1st December, 2017 titled “Research issues in Antenna Design for Wireless Applications” at Mepco Schlenk Engineering College (Autonomous).
- All the staff members had Presented a paper in 4th National conference on Research and Development in Science, Engineering and Technology at St. Anne’s College of Engineering and Technology on 23rd March 2018.

### **Department of Electrical and Electronics Engineering**

- Sr. A. Annai Theresa, AP/EEE had attended twelve days program on “Recent Developments in Modeling, Design and Control of Power Converters and Drives” at Mepco Schlenk Engineering College, Sivakasi, from 23rd November to 25th November 2017.



- Mr. J.Ramesh, AP/EEE had attended seven days program on “Electronic Devices and Circuits” at University College of Engineering, Panruti from 25th November to 30th November 2017.
- Ms. M. Premalatha, AP/EEE had attended seven days program on “Circuit analysis” at University College of Engineering, Villuppuram from 1st December to 7th December 2017.
- Ms.V. Narmadha, AP/EEE had attended seven days program on “Circuit analysis” at University College of Engineering, Villuppuram from 1st December to 7th December 2017.
- Ms. J. Arul Martinal, AP/EEE had attended seven days program on “Circuit analysis” at University College of Engineering, Villuppuram from 1st December to 7th December 2017.
- Mr.V. Balaji, AP/EEE had attended seven days program on “Circuit analysis” at University College of Engineering, Villuppuram from 1st December to 7th December 2017.
- Sr. Annai Theresa, AP/EEE had participated in CSIR sponsored two days National Seminar on “Role of Power Electronic Converters in Distributed Generation and Micro Grid” at TRP Engineering College, Tiruchirapalli on 31st August and 01st September 2017.
- Mr.A.Richard Pravin, ASP/EEE had participated one day National conference on “Quality Assurance, Accrediation & Ranking of Engineering Institutions: Challenges & Opportunities” at Chennai on 06th October 2017.
- Mr.A. ArockiaLourdu Raj, Technical Assistant had attended a course on “Applications of MATLAB in Electrical Engineering” at St. Anne’s College of Engineering and Technology, Panruti on 31st August and 01st September 2017.
- Mr.A.Richard Pravin, ASP/EEE acted and presented his views on “PROJECT – AN OVERVIEW” for the IV year students of Department of Electrical And Electronics at St. Anne’s College of Engineering and Technology, Panruti on 24th August 2017.
- Mr.K.Sriram, ASP/EEE acted and presented his views on “Applications of Matlab in Electrical Engineering” for the students of Department of Electrical And Electronics Engineering at St. Anne’s College of Engineering and Technology, Panruti on 31st August and 1st September 2017.
- Mr. A. Richard Pravin ASP/EEE and Mr.J.RameshAP/EEE had participated two days International Conference and submitted a paper on “Optimal Rescheduling of Generators for Congestion Management in Unbundled Power System” at University College of Engineering, Panruti on 28th February 2018 and 1st March 2018.
- Mr. A. Richard Pravin, ASP/EEE, Mr.K.Sriram, ASP/EEE and Mr.A.SundaraPandiyanaP/EEE had participated a one day National Conference and submitted a paper on “Control of Hybrid AC/ DC Micro Grid involving Energy

Storage Renewable Energy and Pulsed Loads” at CK College of Engineering and Technology, Cuddalore on 2nd March 2018.

- Mr. A. Richard Pravin, ASP/EEE, Mr.K.Sriram, AP/EEE and Mr.A.Sundara Pandiyan, AP/EEE had participated a one day Workshop on “Real Time Applications on IOT Using MATLAB” at JNN Institute of Engineering, Periyaplayam Chennai on 22nd February 2018.
- Sr. Annai Theresa, AP/EEE had participated a one day National Conference and submitted a paper on “Analysis of Touchdown Point and Renewable Energy Generation in Aviation” at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.
- All the faculty members had participated a paper in one day National Conference at St.Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.
- Mr. A. Richard Pravin, ASP/EEE, Mr. V. Balaji, AP/EEE and Mr. A. Sundara Pandiyan, AP/EEE had attended a one week DST-SERB sponsored National Level Seminar on “Integration of Green Energy With Smart Grid through IOT” held at Sathyabama Institute of science and technology, Chennai from 19th to 23rd June 2018.

#### **Department of Mechanical Engineering**

- Mrs. Annie John ASP/ Civil and Mr. K. Saravanan, ASP/MECH participated in the AICTE sponsored two weeks Faculty Development Program on” Nanotechnology For Energy And Agricultural Sectors” at IFET College of Engineering from 13th to 26th November 2017.
- Dr. R. Arokiadass, Principal, Mr. D. Ommurugadhasan, Prof/MECH and Mr. U. NaveenkumarAP/MECH presented a paper titled on “Design for maximum utilization of substrate in catalytic conveyor” at the National Conference at St Anne’s College Of Engineering and Technology on 23rd March 2018.
- All the faculty members had participated a paper in one day National Conference at St.Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.
- Mr.K.Saravanan, ASP/MECH, Mr.R.Jaya Kumar AP/MECH and Mr.T.ElangovanAP/MECH attended a Faculty development program on Heat and Mass Transfer from 18th to 24th June 2018 at University College of Engineering Villupuram.

#### **Department of Science and Humanities**

- Mr.A.Harikrishnan ASP/S&H Department attended a National workshop on “Computational approaches to drug discovery” held at Pondicherry University in Dec 2017.
- Dr. A. Azhagappan Prof/S&H, Mr. V. Prakash AP/S&H,Mrs. S. Bharathi AP/S&H , Mr. R. Viswalingam AP/S&H, Mr. A. Harikrishnan ASP/S&H attended a workshop

on “Preparing Journal Manuscript using Latex software” in St. Anne’s College of Engg. & Tech, Panruti on 29th July 2017.

- Mr. A. Harikrishnan, AP/S&H presented a paper titled on “Molecular docking study of kampferide” in National Conference on Research and Development in Science, Engineering and Technology at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.

## **Staff achievements**

### **Resource Persons**

- Sr. S. Anita, ASP/ECE and Mr. K. Sriram, AP/EEE acted as a resource person for the workshop on “Preparing Journal Manuscript Using LATEX Software” for the research scholars at St. Anne’s College of Engineering and Technology, on 29th July 2017.
- Dr. A. John Peter was invited as a Judge for the Jawaharlal Nehru National Science, Maths and Environment Educational Exhibition-2017 at Govt. Municipal Middle School, Pudhupalayam, Cuddalore.
- Mrs. S. Bharathi AP/S&H completed her PhD. Viva –Voce and she was awarded Doctoral Degree on 23rd October 2017
- Dr. A. John Peter, Prof/S&H was invited as a resource person for a Guest Lecture on “The Easiest & Best Way to do Rietveld Refinement Using Full Prof Software” in Government Arts College (Autonomous),Salem-636 007.

### **Students Achievements**

Our students had participated in various technical and non-technical events all over Tamilnadu. It is given department wise.

<b>Department</b>	<b>Guest Lecture / Seminar</b>	<b>Workshop</b>	<b>Conference / Presentation</b>	<b>Training</b>	<b>Nonacademic events</b>
CSE	4	14	20	-	1
ECE	-	18	12	1	2
EEE	3	3	15	-	6
MECHANICAL	-	8	2	5	2
S & H	-	1	4	-	-

### **Department of Computer Science and Engineering**

#### **Students’ Achievements**

- Ms. S. Reshma and N. Akila of III year presented a paper titled on “Secured Fair Play Content in Cloud Computing” at University College of Engineering, Kancheepuram on 26th September 2017.

- Ms. E. Amala Sharini and M.Dhanalakshmi of III year presented a paper titled on “Cloud Computing and Infrastructure E-learning” at University College of Engineering, Kancheepuram on 26th September 2017.
- Ms.R.Asha and Ms. S. Anugraham of IV year presented a paper titled on “Interaction between Driver and 4 willer” at University College of Engineering, Kancheepuram on 26th September 2017.
- Ms. W. Monica and Ms. K. Sonabharathi of IV year presented a paper on “Transient Solution of an M/M/1Retrial Queue with Reneging from Orbit” in National Conference on Mathematical Techniques and Applications (NCMTA 2018) at SRM Institute of Science and Technology, Chennai on 5th & 6th January 2018.
- Ms. A. Kalaiselvi, Ms. T. Priyanga, Ms. D. Anugraham, Ms. V. Sumitha, Ms. R. Asha, Ms.W.Monica and Ms.K.Sonabharathiof IV year participated in the National conference on “National Colloquium on Leadership for Disruptive World: Disruptive Innovation Technology” at St. Joseph’s Institute of Management, Tiruchirappallion 23rd & 24th January 2018.
- Ms.Y. Jenifer and Ms.S. Reshma of III year presented a paper titled on “Artificial Agent Based Environmental Analyzing using WsN and IoT” in National Level Technical Symposium at J. K. K. Munirajah College of Technology, Erode on 16th February 2018.
- Mr. R. PrathapMiras of IV year won the 1st prize and cash award for Skill Examination conducted by Indian Society for Technical Education associated with Training & Placement cell at St. Anne’s College of Engineering and Technology, Panruti on 26th February 2018.
- Mr. M. Ajith, Mr. R. PrathapMiras and Mr. R. Manikandan of IV year presented a project titled on “An Efficient Automated Attendance Management System Based on Facial Recognition using LBP” and won the first prize and received the cash award of Rs.1000/- at St.Anne’s College of Engineering and Technology, Panruti on 28th February 2018.
- Ms.Y. Jenifer and Ms. M. Priyadharshini of III year presented a paper titled on “An Agent Based Study of Environment from IoT” in National Level Technical Symposium (AGNIMITHRA) at University College of Engineering, Villupuram on 1st & 2nd March 2018.
- Ms. N. Akila and Ms. J. Monisha of III year presented a paper titled on “An Android Based Home Automation System using Bluetooth and Voice command” in National Level Technical Symposium (AGNIMITHRA) at University College of Engineering, Villupuram on 1st & 2nd March 2018.

#### **Students’ Activities**

- Ms. R. Asha, Ms.J. Jayasri, Ms.W.Monica, Ms. V. Sumitha of IV year participated in the National Seminar on “Machine Learning Techniques for Medical Image Applications” at IFET College of Engineering, Villupuram on 7th and 8th July 2017.
- Ms.S.Manju of IV year participated in the workshop on “Cyber Security” at VIT University Chennai Campus, Chennai on 11th and 12th September 2017.

- Mr.D.Logeshwaran, Ms.R.Leema Roseline, Ms.R.Nishanthi, Ms.S.Malarvizhi, Ms.M.Abina and Ms.Sarita Nayak of II year participated in the Workshop on “Hand’s on Web Development” at SIIT Technologies, Panruti on 04th February 2018.
- Ms.S.Srimathi, Ms.A.Shamitha, Ms.A.Vinisha, Ms.M.Abina, Ms.B.Kabila, Ms.R.Arthi, Ms.V.Vijayadurga and Ms.M.Vindhiya of II year participated in the Workshop on “Cloud computing-AWS and Advanced Android Development” at University College of Engineering, Villupuram on 1st & 2nd March 2018.
- Ms.Y.Jenifer, Ms.M.Priyadharshini, Ms.N.Akila, Ms.J.Monisha and Ms.M.Dhanalakshmi of III year participated in the Workshop on “Cloud computing-AWS and Advanced Android Development” at University College of Engineering, Villupuram on 1st & 2nd March 2018.
- Ms.Y.Jenifer and Ms.J.Monisha of III year participated in the Technical Event on “Tech Event–Media Frenzy” conducted in National Level Technical Symposium (AGNIMITHRA) at University College of Engineering, Villupuram on 1st & 2nd March 2018.
- Ms.M.Dhanalakshmi of III year participated in the Technical Event on “Tech Event – Code Wars” in National Level Technical Symposium (AGNIMITHRA) at University College of Engineering, Villupuram on 1st & 2nd March 2018.

### **Department of Electronics and Communication Engineering**

#### **Students’ Achievements**

- R. Ranjith of IV year participated in a Workshop on “World Biggest International Hands-on Security Forensics Workshop” Program held on 23rd July, 2017 conducted by Wikitechy and Microsoft Research Community Group, Chennai, and he was also awarded as World Record Holder.
- R. Ranjith of IV year presented a project titled on “Intelligent Spy Robot” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.
- P. Arul Kumar of IV year presented a project titled on “Intelligent Spy Robot” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.
- R. Ranjith of IV year presented a paper titled on “Intelligent Drone” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.
- R. Prema JenPrincy of IV year presented a paper titled on “Lung cancer detection using digital Image processing On CT scan Images” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.
- E. Magila of IV year presented a paper titled on “Analysis of Microstrip Patch Antenna” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.
- S. Puhnitha of IV year presented a paper on “Analysis of Microstrip Patch Antenna” in 3rd National level Technical Festival NEITHAL’17 on 4th October, 2017 at C.K. College of Engineering and Technology.

- M. Meera and R. Avila Vinnarasi of III year presented a paper titled on “Latest Trends and Technologies in Communication” at University College of Engineering Villupuram held from 1st & 2nd March 2018.
- J. Arunadevi, V. Jayasri and M. Aarthi of IV year presented a paper titled on “Multi level car parking system using IOT” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- R. Joyrafalin, N. Gokulakrishnan, G. Ramacandran and S. Vignesh of IV year presented a paper on “Movable pick and place Robotic Arm” at A.K.T Memorial College of Engineering & Technology held on 22nd March 2018.
- P. Praveen Raj, J. Muthukumarasamy and A. Vinayagam of IV year presented a paper on “Robust and secure video steganography using Matlab” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- R. Antoniraj, G.S. Arunraj and R. Balaji of IV year presented a paper on “Energy efficient path selection and CAS based traffic reduction in WSN” and participated in a spot event on “Technical Quiz, Technical connection” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- X. JulitXavio, D. Mary and P. Punitha of IV year presented a paper on “IR based anti-photography system for prohibited areas” and participated in a spot event titled on “Technical Quiz, Technical connection” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- R. Ranjith, P. Arulkumar, M. MagimaiBonifal and S. Syed Abuthakeer of IV year won 2nd prize in paper presentation titled on “Intelligent drone” at A.K.T Memorial College of Engineering & Technology on 22nd March, 2018.
- R. Ranjith, P. Arulkumar, M. MagimaiBonifal and S. Syed Abuthakeer of IV year won the 1st prize in project Expo titled on “Intelligent drone” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- N. Rajakumaran and J. K. Muthukumaran of IV year presented a paper titled on “Frequency and pattern reconfigurable monopole antenna using varactor diode loaded AFSS” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- T. Vincent and M. Perumal of IV year presented a paper titled on “Wireless Ultrasonic Doppler Radar for object detection, distance and speed measurement using Arduino” at A.K.T Memorial College of Engineering & Technology on 22nd March, 2018.
- K. Kanchana and R. Avila Vinnarasi of III year presented a paper titled on “A Low-Cost Portable Real-Time EEG Signal Acquisition System Based on DSP” at A.K.T Memorial College of Engineering & Technology on 22nd March, 2018.

#### **Students’ activities**

- R. Ranjith of IV year participated in a Workshop titled on “Ethical Hacking” Program held on 16th June, 2017 conducted by GtekTechnos solution Pvt ltd.
- R. Ranjith of IV year participated in a Workshop titled on “Internet of things (IOT-2017)” held on 19th August, 2017 conducted by Top Engineers Company.

- R. Ranjith of IV year participated in the 10 hours live Workshop on “Assembling and Testing of Quad copter” Program held on 9th September, 2017 conducted by Top Engineers Company
- G. Ramachandran of IV year participated in the 10 hours live Workshop on “Assembling and Testing of Quad copter” Program held on 9th September, 2017 conducted by Top Engineers Company.
- R. Ranjith of IV year participated in a one day Workshop titled on “Ethical Hacking (CYBER-2017)” Program held on 23th September, 2017 conducted by Top Engineers Company.
- R. Ranjith of IV year participated in a Workshop titled on “World Biggest International Hands-on Security Forensics Workshop” Program held on 24th September, 2017 conducted by Wikitechy.
- M. Aarthi of IV year attended a two day workshop on “Internet of things (IOT) Technologies” at St.Peter College of Engineering and Technology organized by IEEE Student Branch on 6th & 7th October, 2017.
- R. Joy Rafalin of IV year attended a two day workshop on “Internet of things (IOT) Technologies” at St. Peter College of Engineering and Technology organized by IEEE Student Branch on 6th & 7th October, 2017.
- S. Jenprincy, R. Prema and E. Magila of IV year participated in a spot event titled on “Technical Quiz, Technical connection” at A.K.T Memorial College of Engineering & Technology on 22nd March 2018.
- All the student had presented a paper in one day National Conference at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.

## **Department of Electrical and Electronics Engineering**

### **Students’ achievements**

- R. Ajith Kumar of IV year had presented a paper titled on “Fuzzy approach to voltage collapse based contingency ranking” in 4th National Level Technical Symposium, POWERGLITZ’17 at Ganesh college of Engineering, Salem on 22nd September 2017.
- V.Karthick and K.Ajithkumar of IV year had presented and Secured Third Place on the paper titled on “Fuzzy approach to voltage collapse based contingency ranking” in 5th National Level Technical Symposium, CAPREIN’2K17 at University College of Engineering, Panruti on 27th September 2017.
- D.Praveen and P. Vigneshwaran of IV year had Secured Second Place in the event Short Film titled on “Sunday”in 5th National Level Technical Symposium, CAPREIN’2K17 at University College of Engineering, Panruti on 27th September 2017.
- C. Anish, F. Priyan, V. Soundara Pandiyan and N. Vasudevan of IV year had successfully completed three months industrial project on “Touchdown aviation

analysis” at National Small Industries Corporation Limited NSIC (Govt. of India Enterprize) from 6th December 2017 to 8th February 2018.

- S. Perumal Raj, V. Vijaya Kumar, R. Prakash and N. Thirumalaivasan of IV year had presented a paper titled on “Optimal Rescheduling of Generators for Congestion Management in Controlled Power System” at University College of Engineering, Panruti on 28th February 2018 and 1st March 2018.
- V. Chandru and S. Vetrivel of IV year had presented a paper titled on “Wireless Fuzzy Controller for Irrigation using Raspberry Pi and GSM” at Thiruvalluvar College of Engineering and Technology on 3rd and 4th March 2018.
- K. Ajithkumar and V. Kartick of IV year had presented a paper titled on “Maximum power point tracking technique using Antlion optimization algorithm for a standalone PV system” at Thiruvalluvar College of Engineering and Technology on 3rd and 4th March 2018.
- C. Vignesh of IV year, Mohammed Shafiullah and Mohammed Jubair of III year had participated and presented in the event Technical Quiz & Paper Presentation in 3rd National Level Technical Symposium at CK College of Engineering and Technology, Cuddalore on 1st March 2018.
- A. Devadoss of IV year had presented a paper titled on “Monitoring and Controlling Energy Meter by using PLCC Communication System” and Secured Second Place in a National Level Technical Symposium at AKT memorial College of Engineering and Technology, Kallakurichi on 22nd March 2018.
- K. Ajithkumar of IV year had presented a paper titled on “Maximum power point tracking technique using Antlion optimization algorithm for a standalone PV system” and secured Third Place in a National Level Technical Symposium at AKT memorial College of Engineering and Technology, Kallakurichi on 22nd March 2018.
- S. Vetrivel and K. Ajithkumar of IV year had participated and secured First place in the event Connection in a National Level Technical Symposium at AKT memorial College of Engineering and Technology, Kallakurichi on 22nd March 2018.
- E. Prakash Raj of IV year had participated and secured Second place in the event Connection in a National Level Technical Symposium at AKT memorial College of Engineering and Technology, Kallakurichi on 22nd March 2018.
- C. Anish, F. Priyan, V. SoundaraPandiyan and N. Vasudevan of IV year had presented a paper on “Analysis of Touchdown Point and Renewable Energy Generation in Aviation” in one day National Conference and secured a First Place at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.

### **Students’ activities**

- All IV year students had attended a one day seminar on “PROJECT – AN OVERVIEW” presented by Mr. A. Richard Pravin, Associate professor, at St. Anne’s College of Engineering and Technology, on 24th August 2017



- K.Ajith Kumar, A. Aswin Kumar, V.Chandru, V. Karthik, C.Vignesh, S. Vetrivel, P. Vigneshwaranand, D.Praveen of IV year had attended a one day Workshop on “Design of Controllers for Interdisciplinary Applications” at University College of Engineering, Panruti on 26th September 2017.
- A.Sivagami, S.Geetha, and S. Epsiba Rani of IV year attended a one day Workshop on “Artificial Neural Network and Fuzzy Logic Using MATLAB” at Karpagam Academy of higher Education, Karpagam University, Coimbatore on 06th October 2017.
- D.Praveen, P. Vigneshwaran and V. Karthik of IV year had participated in the event Technical Quiz in 5th National Level Technical Symposium, CAPREIN’2K17 at University College of Engineering, Panruti on 27th September 2017.
- V.Karthick and K.Ajithkumar of IV year had participated in the event Circuit Debugging in 5th National Level Technical Symposium,CAPREIN’2K17 at University College of Engineering, Panruti on 27th September 2017.
- M. Gopikrishnan,V. Subash, S. Vetrivel, E. Prakashraj, S. Kaviyaran and V. Chandru of IV year had participated in the event Circuit debugging, Techtorrent in a National Level Technical Symposium at Annai Teresa College of Engineering, Tirunavalur on 10th February 2018.
- P. Vigneshwaran of IV year had participated in the Cultural Feast – SNS ALLORA at SNS college of Technology, Chennai on 17th March 2018.
- S. Epsiba Rani of IV year attended a two day workshop on “National Colloquium on Leadership for Disruptive World: Disruptive Innovation- Technology” at Joseph Institute of Management, Trichy from 23rd and 24th February 2018.
- S. Poomani, K. Ajithkumar, K. Aswinkumar, E. Prakashraj, S. Vetrivel, M. Gurumoorthy, V. Chandru, C. Vignesh, A. Sivagami ,M. Sadam Hussain, B. Banumathi, T. Jagan Vijay, V. Karthik, K. Krishnan, V. Subash and K. Prasanth of IV year attended a four day Seminar and one day on “A UNIUE ONE DAY COMPANY VISIT CUM SEMINAR ON TQM” at College of Engineering, Guindy Chennai from 21st to 24th February 2018

## **Department of Mechanical Engineering**

### **Students’ achievements**

- V. Sabarathinam and S.Subash of IV year mechanical engineering participated in Science Expo-2018 at E.S.Engineering College on 6th March 2018 and won the first prize.
- R.Dinesh Krishnan an L. Vijay of IV year mechanical engineering participated in Science Expo-2018 (Kinematic walker) at E. S. Engineering College on 6th March 2018.

- S.Sankar,V.Selvakumar, T.Selvamai,S.Sundaramoorthy of IV year mechanical engineering presented a paper titled on “Study of wear behavior of Epoxy/ nanoclay particles “at the National Conference held on 23rd March 2018 at St.Anne’s College Of Engineering and Technology.
- Habi Jacob, J.Sarjan Fernando, V.Mathivannan, R.Rajalinga prabhu of final year mechanical students presented a paper titled on “Investigation of wear behavior of Epoxy/HNT composites “at the National Conference held on 23rd March 2018 at St.Anne’s College Of Engineering and Technology.

### **Students’ activities**

- S.Naveen of final year mechanical student participated in a workshop on“Product design and Development” at TRP Engineering college, Trichy on 5th August 2017.
- R. Dhinesh Krishnan, R.Mohana Krishnan, S. Naveen, P. Prithvirajan, D. Seshathri, R.Vengatesh, L.Vijay, V. Sabarathinam of final year mechanical students participated in a workshop on “Assembling and dismantling of two wheeler IC Engines” at Senguthar Engineering college, Erode on 31st August 2017.
- Anne Evanglin and Anisha Christy. A of IV year mechanical engineering participated in a two day workshop on “Disruptive Innovation Technology” at St.Joseph’s Institute of Management (JIM), Tiruchirappalli on 23rd to 24th January 2018.
- Anisha Christy. A of IV year mechanical engineering participated in a one day workshop on “Autoinvente” at College of Engineering, Guindy on 25th January 2018.
- Anisha Christy. A of IV year mechanical engineering participated in a one day workshop on “Mercedes Benz Autotronics,Harley Davidson Technology and Dismantling & Assembling of IC engines” at College of Engineering, Guindy on 25th January 2018.
- Sujin.A of III year mechanical engineering participated in a two day workshop on “Selection of materials for Engineering Applications Science and Technology - Agnimithra” at University College Villupuram on 1st and 2nd March 2018.
- Sujin.A of III year mechanical engineering participated in a two day workshop on “Composite materials and its application In Wind Turbine Generators, Agnimithra” at University College Villupuram on 1st and 2nd March 2018.

### **Department of Science and Humanities**

#### **Students’ achievements**

- Mr. D. Kaviyaran, Mr. R. Sivaprakashand Mr. V. Pugazhenthithi of I year presented paper titled on “Special and Structural Studies on Nickel (II) Dithiocarbamate Complexes and their Utility for Sensing Anions” in National Conference (NCRDSET) at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.

- Mr. S. Deepak Kumar, Mr. G. Jayasurya, Mr. A. Raja sekar, Mr. E. Ajith and Mr. A. Armstrong of I year presented paper titled on “Synthesis and Characterization of Copper Sulfide and Copper – Iron Sulfide Nanoparticles” in National Conference (NCRDSET) at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.
- Mr. K. Venkatesh I year paper titled on “Li-Fi Technology” in National Conference (NCRDSET) at St. Anne’s College of Engineering and Technology, Panruti on 23rd March 2018.

### **Students’ activities**

- Mr. Anandh and Mr. Punniyakodi, Mr. Selvakumar, Mr. Kiridharan and Mr. P. Praveen kumar, Mr. Thirumalvalan, Mr. Kumaran, Mr. K. Venkatesh and Mr. Pugazh of I year attended a one day workshop on “Photovoltaics Fundamentals, Device Characterization, Simulation and Emerging Concepts” at Department of Physics, Indian Institute of Technology (IIT), Madras on 10th March 2018.

### **In-plant and internship training**

- R. Ranjith of IV year ECE student participated in an in-plant training titled on “Software Development” Program held on 12th June, 2017 conducted by Kaasiv Infotech Company
- R. Ranjith of IV year ECE student participated in an Internship titled on “Software Development” Program conducted by SIIT Technology from 1st January to 31st January 2018.
- Anne Evanglin of final year mechanical student participated in In-plant Training at BHEL, Ranipet for a week from 19th to 26th June 2017.
- J. Herwindass of final year mechanical student participated in In-plant Training at NLC India Ltd, Neyveli for a week from 23rd to 29th June 2017.
- S. Naveen of final year mechanical student participated in In-plant Training at NLC India Ltd, Neyveli for a week from 22nd to 28th July 2017.
- A. Anisha Christy, A. Athidan, S.Imran Arif, R. Mukilvannan , J. Jeffry, S.Sivasankar of IV year mechanical participated in In-plant Training on “CNC Programming Turning ” at Advanced Training Institute, Chennai (ISO 29990-2010 certified) on 18th to 22nd December 2017.

### **Research and development cell (R&D)**

The research day was organized by R&D cell on 28.02.2018. The Project expo-2018 was conducted for the final year students. Each student was awarded with cash of Rs.1000 for their innovative ideas. The list of the students and their projects are given below in detailed.

S. NO	NAME	DEPARTMENT	PROJECT TITLE
1.	R. Prathapmiras	CSE	An efficient automated attendance management system based on facial recognition using local Binary pattern.
	R. Manikandan		
	M. Ajith		
2.	S. Syed Abuthakeer	ECE	Intelligent Drone
	R. Ranjith		
	P. Arulkumar		
	M. MagimaiBonifal		
3.	M. Ajay Surya	EEE	Monitoring and Controlling Energy Meter by using PLC
	A. Devadoss		
	G. Dhanish Kumar		
	V. Subash		
4.	S. Sankar	MECH	Wear behaviour of testing of epoxy nano clay composites
	V. Selvakumar		
	T. Selvamani		
	S. Sundaramoorthy		
5.	V. Balamurugan	MECH (Mini project)	Design and fabrication of gasification stove
	T. Chakkaravarthi		
	A. Dinesh,		
	A. Hariharan		

### Staff Publications

The faculty members are encouraged to publish their research work in the reputed journals.

- Sr. Anita, Associate Professor & Head of ECE published a paper titled on “Three Dimensional Analysis of SPECT images for Diagnosing Early Parkinson’s disease using radial basis function kernel–Extreme learning machine” in the journal of current medical imaging reviews, volume-14,2018 (SCI indexed).
- Sr. Anita, Associate Professor & Head of ECE published a paper titled on “Improved Classification Accuracy for Diagnosing Early Stage of Parkinson’s Disease using 3D SPECT images” in Romanian journal of information science and technology, volume: 21(2),2018 (SCI indexed).
- Dr. A. Azhagappan, Prof./Maths Transient Analysis Of M/M/1 Queue With Working Vacation, Heterogeneous Service And Customers’ Impatience, RAIRO–Operations Research, Vol.51, No.3, pp. 591-606, 2017. (SCI indexed).
- Dr. A. John Peter Prof./Physics published a paper on Synthesis, luminescent properties and energy transfer in Tb<sup>3+</sup> and Eu<sup>3+</sup> co-doped Li<sub>3</sub>Ba<sub>2</sub>Gd<sub>3</sub> (MoO<sub>4</sub>)<sub>8</sub> phosphors for W-LED’s in Journal of Materials Science: Material in Electronics10.1007/s10854-017-8155-0.
- Dr. A. John peter, Prof./Physics published a paper titled “Synthesis and luminescence properties of Ca Gd<sub>2</sub>(MoO<sub>4</sub>)<sub>4</sub>:Ln<sup>3+</sup> (Ln = Eu<sup>3+</sup>, Tb<sup>3+</sup>, Dy<sup>3+</sup> and Sm<sup>3+</sup>) phosphors”

in “Journal of Luminescence”, Vol.199,Issue.1, pp 53-59,2018. I.F-2.65 (Scopus Indexed).

- Dr. A. John peter, Prof./Physics published a paper titled “Sol-gel synthesis and luminescence properties of CaGd<sub>2</sub>(MoO<sub>4</sub>)<sub>4</sub>:Pr<sup>3+</sup> phosphors with white LED applications” in “Journal of Materials Science: Materials in Electronics”, Vol.29,Issue. 10, pp. 8504-8511, 2018. I.F-2.04 (Scopus Indexed).
- Dr. G. Gurumoorthy, Asso. Prof./Chemistry published a paper titled “Synthesis and characterization of copper(II) dithiocarbamate complexes involving pyrrole and ferrocenyl moieties and their utility for sensing anions and preparation of copper sulfide and copper-iron sulfide nanoparticles” in “Applied Organometallic Chemistry”, Vol. 32(6),2018 DOI: 10.1002/aoc.4363. I.F-2.47 (Scopus Indexed).
- Ms. M. Elakkiya, Asst. Prof./Maths published a paper titled “Multi-Criteria Decision Making in a Dual Hesitant Fuzzy Set using VIKOR in Commercial Fishery” in the International Journal “International Journal for Scientific Research & Development”, Vol. 6(2), 1668-1671, 2018.

### Physical Education

Physical education provides each student with an opportunity to develop a healthy body and healthy mind which enhance the intellectual growth of the students. Regular practices was given to the students for the games like Football, Badminton, Kabaddi, and Volleyball.This provides platform for the better performance of the students in the Inter-collegiate sports meet. Students had participated and won prizes in the state level sports meet. It is given below.

Event	Organizers	Status
Football zonal level	Anna University	First prize
Badminton	Savitha University	Second Prize
State Level football	Savitha University	Second Prize
Badminton zonal level	Pondicherry	Second Prize
Kabaddi	University College of Engineering, Panruti	Third place
Football, volleyball, Badminton	University College of Engineering	Participated
Football, Kabadi	Karunya University, Coimbatore	Participated

### Women Empowerment cell

A orientation program was held on 16.09.17 at St.Anne’s College Auditorium, PanrutibyMr.Philip and Mrs.Immaculate Philip from Nagercoil. The girls students and ladies staff were motivated on “Emerge as multi personality women in the society”.

The National women's day was celebrated on 08.03.18 at St. Anne's College Auditorium, Panruti with great happiness in the minds of women lady staff and girl students of our college. Food exhibition and competitions were conducted for girls students and lady staff members Mrs. Jayanthi, Architect Vel Constructions, Panruti was delivered womens' daymessage.

### **Library**

#### **National Service Scheme (NSS)**

National service Scheme provides diversified opportunities to students in the college to develop their personality through community service. Community service rendered by the students have covered several aspects like adoption of villages for intensive development work, mass tree plantation, technology transfer programmes, technologies for rural development, various training programmes for self-help groups and rural youth. The motto of the NSS is "Not me but you". Our college has 3 NSS units. They following are the NSS activities carried out in the year 2017-2018.

A blood donation camp was organized on 15.09.17.

Dr. Pandiyan and his medical team from Govt. Hospital- Blood bank, Virudhachalam has conducted blood donation camp. 150 students had donated blood in this camp.

#### **National conference**

The 4th National Conference on Research and Development in Science, Engineering and Technology (NCRDSET'18) was held on 23.03.2018. Dr. K. Thirumaran, Professor, Department of Architecture, National Institute of Technology, Tiruchirapalli has delivered the Keynote address on Research and Development in Science, Engineering and Technology. A total of 200 papers were received and 140 papers were accepted for presentation in various departments. The accepted papers were published in the proceedings of the conference with an ISBN number. 9789352548118. One best paper from each department was published in an international Journal, **(give the name of the journal)**

#### **National Science day**

Department of Science and Humanities organized "NATIONAL SCIENCE DAY- 2018" on 28th February 2018 at 9.30 am in the college. Dr. R. Panchavarnam, D. Litt., Founder-Plant informatic Centre, Panruti, has delivered the Science day address and distributed the prizes to the winners of the technical events.

#### **Common Events**

The 4<sup>th</sup> graduation day was celebrated on 22.07.2017 for 2016 batch students. Rev. mother. Reginal, superior general, Congregation of sisters of St. Anne, awarded the degree and medals to the college toppers.

St. Anne's feast was celebrated on 25<sup>th</sup> July 2017 at St. Anne's CET. The various competitions were conducted and the winners are awarded. The Holy Mass was celebrated at Polytechnic auditorium on 26<sup>th</sup> July 2017.

The Independence Day was celebrated on 25<sup>th</sup> august, 2017. Principal Dr. R. Arokiadass hoisted the national flag and delivered the Independence Day message.

Teacher's day was celebrated in the campus to appreciate the noble service of the faculty on 05. 09.2017.

On account of Christmas, the program was organized in the college for the staff on 22.10.2017. Christmas message was given by Secretary Rev. Sr. Victoria.

**Staff orientation programme on "Teaching techniques and Time management" was organized from on 26.01.2018. Rev.Fr.Joe Antony from St. Joseph College, Trichy, was a resource person. All the staff members have attended the programme.**

Pongal was celebrated on 11.01.2018. The staff and students had participated in the event actively.

## RESULT

The results of Academic year 2017 -2018 of our various departments are:

S. No	Department	Nov/ Dec 2017	April/ May 2018
1	CSE	45 %	30 %
2	ECE	45 %	43 %
3	EEE	22 %	30 %
4	MECH	35 %	39 %
5	S&H	18 %	20 %

## TRAINING AND PLACEMENT

Placement training program has been arranged for the final year students by the Training and Placement cell. These trainings helped the students to develop the employable skills and equip themselves for placement.

The following trainings were given to the students:

1. Special Communication Classes.
2. Seminar and Guest Lecture on how to prepare for interview by HR's from various industries
3. Regular classes on Aptitude Training.

On-campus placement drive was conducted in our college premises. Various companies visited the campus and selected 52% of our students, gave them offer letters and they are placed in the following companies:

- |   |   |             |
|---|---|-------------|
| 1. Everup Batteries India Pvt. Ltd Chennai    | - | 29 Students |
| 2. New Tech Auto-Components Pvt. Ltd Chennai. | - | 13 Students |
| 3. Prasanna Precision Tools, Pondicherry      | - | 6 Students  |

## SOCIAL WORK

This year the management has given Rs. 5, 33,600/- to 21 economically backward students for their tuition fee.

Rs. 10, 95, 520/- was given as loan to the staff for their treatment, marriage and their children's studies. Some of them paid it back in installment.

On account of St. Anne's feast, the students had contributed food packets and notebooks to the street children and poor students in and around Panruti.

14 students from kanyakumari Dt. have studied in St. Anne's CET during 2017-2018. Due to oggi storm their families were severely affected and all the 14 students were exempted from paying their tuition fee (Rs. 2, 80, 100/-) for this academic year.

### Scholarship

The college has taken much effort to get scholarships for the poor and financially backward students. They are given below.

#### BC & MBC Scholarship

S. No.	Year	No. of Students	Total Amount (Rs.)
1	II, III, IV Year	85	3,79,100
2	I year	37	1,77,300
<b>Total</b>		122	5,56,400

#### SC/ST Scholarship

S. No.	Year	No. of Students	Total Amount (Rs.)
1	II, III, IV year	249	19,78,050
2	I year	98	7,34,825
<b>Total</b>		347	27,12,875

### Social activities of Society

1. A contribution of Rs 50,000/- from AVPTC for a land bought for the graveyard for the people of Maligaimedu (substation of Panickankuppam).
2. Every Sunday, children including the aged people from Irular colony, Manapakam and Anguchettyalayam are coming to our convent. Sisters are teaching to the children about the good behavior, good manners and discipline and Breakfast is also provided to the children and the aged people .
3. Sisters visited our adopted village named Maligaimedu, every week involving in teaching catechism and preparing them for the Holy mass.
4. A cancer patient named Mrs. ChinnaRani; our adopted child (Trichy) underwent an operation in Vellore hospital. Sisters paid a visit and prayed for her. Accommodation for her husband for his stay was also arranged by our sisters in vellore.



5. Motivational class on “Inter religions profound reflection” was conducted for the hostellers, on 16.09.2017. The program was conducted by Rev. Fr. Dhanaraj, S.J, from Chennai.
6. An amount of Rs. 10,000/- was given for the construction of study hall (Annammal Tuition Centre) for the children of Irular colony, Velainagar.
7. One day retreat for the catholic students of AVPTC numbering 60 and St. Anne’s CET -70 was arranged to strengthen their spiritual life. Totally 130 catholic students were benefitted out of it. Rev. Fr. Albert from spiritual centre, Trichy had been invited as retreat preacher.
8. Oggi cyclone relief
  - Rs. 1, 50,000/- was given to the Ockhi cyclone affected areas in Kanyakumari district by the management and Rs.79, 000/- was contributed by the staff and students of AVPTC.
  - Sisters visited the families of Thachanmalai 20 kms away from Pechuparai, and distributed the amount as follows
 

Rs.10, 000/-	to families who lost their house - 7 families
Rs. 5,000/-	- 6 families
Rs.1,000/-	- to all the families

### **Infrastructure needs**

As per AICTE norms the following are required:

1. Internet Speed 32 Mbps (currently 8 Mbps)
2. Foldable Half writing pad Chair (For seminar hall)
3. ATM centre in the college campus.
4. Computer processors and RAM capacity upgradation.