



# JEPPIAAR

## ENGINEERING COLLEGE

(A Christian Minority Institution)

### ANNUAL REPORT 2017 - 2018

Entry is Not Important  
Exit is Important!!

- Col. Dr. Jeppiaar

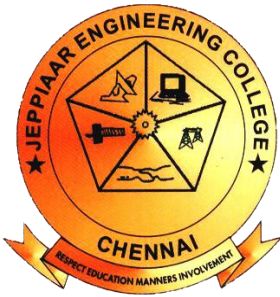


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## AN INTRODUCTION

Jeppiaar Engineering College is affiliated to Anna University. It was started with the sole purpose of providing cutting edge technical education that is both accessible and affordable by establishing premier colleges of engineering and management studies. Under the aegis of our honorable chairman, Late.Col.Dr. Jeppiaar, Jeppiaar Engineering College was inaugurated on 15th august 2001. The managing director of the college Dr. Regeena J Murli, B.E.,M.B.A.,Ph.D, daughter of late. Col.Dr.Jeppiaar, has led the college from its fledgling state to an institution to reckon with. The college is committed to equip future graduates with the knowledge and skills necessary. The desideratum is to work and excel in the ever more competitive global environment.



# Academic

SUPPORT



AERONAUTICAL ENGINEERING

## FACTS

Since its inception in 2008, the Department of **Aeronautical Engineering** has over the years adapted and improved with the fast pace of technology. A sincere and hardworking student body and wholehearted support of the dedicated faculty have contributed in no small measure to the professional success enjoyed by a good number of individuals who graduated from this department. The department has been continually changing and evolving to meet the needs of modern industry and to train its students to pursue their goals with concentrated determination that has led former students to the greatest heights in their endeavor no matter what responsibility they chose to assume. With rapid changes in the professional world, the department has also focused on the demands of the information age and has established new courses and laboratory facilities with the aim of supplying their students with every tool they need to succeed in the fast changing landscape of the modern professional arena. Thus, the department ensures the students the versatility to adapt to the dynamic and fast moving world and its many industries.

The Department has produced 47 University Ranks including 2 Gold Medalists and 3 Silver Medalists so far in this academic expedition. Students are motivated to have Membership in various professional bodies like AeSI, SAE and IAAA to enhance their Professional activities. Our Department library is furnished with 3500 volume of books and it provides access to **256 online ASME journals** and volumes of IEEE journals. It also comprises subject oriented CDs as a part of Computer based tutorials for the enrichment of the student's knowledge. The Professional software Training in **CAD, AutoCAD, CATIA, ANSYS, NASTRAN-PATRAN and MATLAB** are provided to the students. Students are constantly made acquainted with current technological advancements, Implant Training, Industrial Visits, Technical Seminars and symposia. The students are encouraged and guided to present and publish Innovative Research articles in various Conferences and Journals.

## SEMINARS AND WORKSHOPS

- Seminar On Integrated Approach To Plm & Real Time Visual Simulation- On 15<sup>th</sup> Feb 2018, Mr.Sam Antony, Specialist Engineer of EDS Technologies delivered a lecture about “PLM & REAL TIME VISUAL SIMULATION
- Aero Hangar Visit For First Year Students- The programme commenced on 20<sup>th</sup> Feb 2018. The first year students of all the nine departments visited Aero Hangar department wise along with their year in-charge and counsellors.
- Mr. Sam Antony and Mr. Punniyakumar R from EDS Technologies Pvt Ltd, delivered a lecture on “RECENT TRENDS AND TECHNOLOGIES OF DASSAULT SYSTEMS” in 3D SOFTWARE APPLICATIONS on 31 JANUARY 2018 for III year Aeronautical students.
- Department of Aeronautical Engineering organized a guest lecture on 31.07.2017 to enable the III Year and IV year students to be acquainted with Aerospace structural health monitoring. The session was handled by the resource person **Ms. NISHA., M.E., PhD**-Assistant professor, Hindustan University, Chennai.



## ASSOCIATION ACTIVITIES



### AEROMODELLING CONTEST BY SAEINDIA

On 17<sup>th</sup> & 18<sup>th</sup> Feb 2018, Aero modeling contest was conducted by SAEINDIA in Aircraft Design Project Lab, Department of Aeronautical Engineering for 150 participants from various educational institutions, all over India

### Hands-on-training at Aircraft Design Lab conducted in Jeppiaar Engineering College



## STUDENT ACHIEVEMENTS

- Our following Final Year Students have been placed in reputed Companies:
  1. Blesson S – CAPGEMINI
  2. Raque Bertilla. A – CAPGEMINI
  3. Murugavel B - INFOSYS
  4. Panner M - INFOSYS
  5. Raj kumar K - INFOSYS
  6. Ramachandran SP - INFOSYS
  7. Rexin Joe - INFOSYS
  8. Shruthi Ravindran – INFOSYS
- III Year student Viswajeet K has Undergone Inplant Training for 7 days at Royal Enfield, Thiruvottiyur during December 2017.
- III Year Student Sandra Mabel, Gurumoorthy & Manikandan C participated in AVION 2018, Symposium and bagged First Prize for Project Display at Rajalakshmi Engineering College .
- III Year Student Sandra Mabel, Dharini S & Manikandan C participated in XION 2018, Robotics Club at SRM University during February 2018.
- II Year Student Mahalakshmi M participated in Green Energy Summit at IIT Madras during January 2018.
- II Year Student Yuvan Bharathi participated in 10<sup>th</sup> Chennai open international Grandmaster Chess Tournament during January 2018.
- II Year Student Yuvan Bharathi participated in 2<sup>nd</sup> Shaastra Rapid Fide Rated Chess Tournament 2018 at IIT Madras.
- Educational Tour was organized for pre final year Aero students from 28th Feb 2018 to 3rd Mar 2018 to Kerala state. Students Visited Cochin Airport and they learned about ATC and also they were observed the culture and tradition of Kerala state.
- Industrial Visit To **ISRO** was organized for first and second year students on **5<sup>th</sup> March 2018**.



# **MILESTONE EVENTS**

## **MoUs SIGNED**

Department of Aeronautical Engineering organized a Value Added Course - **CATIAV5 from DIAMLER CADD** to enhance the student's perspective towards industry contemporary needs. The value added course was started on **8<sup>th</sup> August 2017** in our department Seminar Hall. This software course enables the students to design the structural component in Aerospace, Mechanical and Automobile sector.

## **GOALS AND PLANS FOR NEXT YEAR**

- Planned to produce more Gold Medalists and 6 Anna University Ranks
- Planned to have Minimum of 8 Research Publication from Dept. Staff.
- Students are motivated towards participation in International conference and paper publishing in International Journal.
- Planned to organize 1 FDP, 4 Seminars ,2 Workshops in upcoming AY 2018.
- Planned to have Value added courses NPTEL, CATIA Courses.
- Planned to sign 1 MOU with Aero Related Company.
- Planned to make association program with AeSI.
- Planned to have separate motivation/ inspiring sessions for students.



## FACTS

The Department of Biotechnology was established in the year 2002 with an annual intake of 30 students and it increased to 60 students in the year 2005. The program is affiliated to Anna University and is accredited by All India Institute of Technical Education (AICTE). The department has facilitated faculty members and students to have professional body membership in Biotech Research Society of India (BRSI), Association of Biotech Led Enterprises (ABLE), Indian Society of Technical Education (ISTE), Society of Biological Chemist (SBC), India Science Congress Association (ISCA) and DNA Research centre. Our Department has PG program from 2011 onwards. Our Department has been recognized as the Centre for Research under Anna University, Chennai.

## ACADEMIC PERFORMANCE OF THE STUDENTS

The Department of Biotechnology rocks with fourteen (14) university ranks. Our Department stood first among ten departments in the campus during November/December 2017 University examinations. The students were placed in various organizations Infosys, Zifo and Omics .Final year students are undergoing projects at various eminent centres/ organizations/Institutes such as Dabur, New Delhi Centre for Cellular and Molecular Biology (CCMB), Hyderabad Indian Institute of Science (IISc), Bengaluru .

## CONFERENCES / SEMINARS / WORKSHOPS /FDP ORGANIZED

- “ROBOTICS” Workshop (II Year) conducted on 11/7/2017.
- 3- Days Workshop was “Computational Genomics” (III &IV Year) conducted from 01to 03/8/2017.
- NSIC (National Small Industries Corporation) Workshop (II & III Year) conducted on 08/9/2017
- 2 -Days National Seminar on “Women Health Issue Programme” organized on 04 & 05/12/2017
- 3- Days workshop on “Transforming sustainable livelihood by linking environment through bio-agro based entrepreneurial prowess for societal benefit” organized from 30/01/2018 to 01/02/2018
- One Day Hands-On Workshop in Forensic Biotechnology (A Field Study Crime Investigation) on 06/02/2018.



- A Popular International Lecture On ‘Advancements in the Field of Medical Biotechnology’ was delivered by Dr. Peter Monk and Dr. Lynda Partridge, University of Sheffield, Sheffield, UK, on 18.09.2017‘Scope and opportunities in the field of

Biotechnology' Dr. Savithiri Shivakumar, Aaranya Biosciences Pvt. Ltd., Chennai Director on 01/09/2017.

- Industrial visit was organised for second year students to Sai Mirra Innopharm, Ambattur Industrial Estate, Chennai was organized on 14/07/2017
- Industrial visit for third year students was organised to Aachi Masala Industries Pvt.Ltd, Red Hills, Chennai on 16/02/2018
- Industrial visit for third year students was organised to S.S.D.Oil Mills Company Limited, Chennai.

## **FACULTY ACHIEVEMENTS**

- All staff members achieved 100% result at Anna University external assessment examinations.

## **RESEARCH AND PUBLICATIONS**

- Total faculty publication - **07**

## **STUDENT ACHIEVEMENTS**

- Our students participated in various NCC attachment camps and Madras Republic Day parade.
- Our students participated in the **Walkhathon** organized by Jeppiaar Engineering College in collaboration with **Rotaract Club, Chennai.**

## **DEPARTMENT AWARDS**

- Best department for academic performance
- Two faculty members received TNSCST projects worth of Rs.20000/-.
  - **Dr.Shaleesha A. Stanley, Professor and Head**
  - **Dr.S.Sridhar, Assistant Professor**

## **MILESTONE EVENTS**

### **MoUs SIGNED**

- Armats Biotek Research Institute (ARMATS), Chennai .

## **GOALS AND PLANS FOR NEXT YEAR**

- Planned to secure more university ranks and if possible a medal award.
- Planned to organize one Conferences / one Seminars / two Workshops / two FDP.



## FACTS

The **B.E. Civil Engineering** course was started in **2009**, with an intake of 60 and now the intake has been raised to **120**. Since inception, the Department of Civil Engineering has been imparting knowledge in ‘General Engineering Concepts’ and ‘Studies’ in ‘**Civil Engineering**’. The faculty members of the department are actively involved in teaching, research activities and industrial consultancy. Civil engineering is a professional engineering discipline and core branch that deals with the analysis, design, construction and maintenance of the physical and naturally built environment, including works such as buildings, bridges, roads, dams, canals etc. Most civil engineering today deals with **power plants, railways, structures, water supply, irrigation, the natural environment, sewer, flood control, transportation and traffic**. In essence, civil engineering may be regarded as the profession that makes the world a more agreeable place in which to live.

The department has well equipped laboratory facilities and highly qualified faculty members having rich experience in teaching and industrial background. Beyond these basics, study of **Engineering Mechanics, Fluid Mechanics, Strength of Materials, Solid Mechanics, Environmental Engineering and Sciences** being relevant for **Civil Engineering and Technology**, are taught in the First Year, Second Year, Third Year and in Final Year of study with a focus as per the syllabus of Anna university.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- Application of Geological Investigation - Yuvaganesh.M organized One day guest lecture on the topic “Application of Geological Investigation”.
- Environmental problems and solutions - R.Deivanai organized One day guest lecture on the topic “Environmental problems and solutions”.
- Python programming - Mr.Jagan organized One day guest lecture on the topic “python programming”.
- Isometric and perspective Projection- R.Beaula Jasmine and Alphonsa Antony organized a one day guest lecture on the topic “Isometric and perspective Projection”
- Mr.Jagan organized a five day workshop for civil students on the topic “Advanced survey in total station”.
- Mr.Jagan organized a one day workshop based on “M-Sand Awareness Program”.
- Mr.Jagan organized a one day save a turtle awareness program based on topic “Sand Sculpting Contest”.



## **FACULTY ACHIEVEMENTS**

- Under the Guidance of **Dr.N.K.Rajan**, our students Solomon **Raju**, **Vivekanandan** and **Suresh Krishna** won **1<sup>st</sup> Price in TNSCST** Exhibition under the topic Detection of maturity of concrete using temperature sensor on **GCT College, Coimbatore**.
- **Mr.S.Hariswaran** acted as a speaker in FDP at **Valliammai Engineering College, Chennai**.

## **RESEARCH AND PUBLICATIONS**

- **Total no of faculty publication : 5**

## **STUDENT ACHIEVEMENTS**

- Our students Solomon Raju, Vivekanandan and Suresh Krishna won **1<sup>st</sup> Price in TNSCST** Exhibition under the topic Detection of maturity of concrete using temperature sensor at GCT College, Coimbatore.
- Our third year student D.Ashwin Raj won **GOLD MEDAL** in Point Fight Category of -67kg and **SILVER MEDAL** in Full Contact Category of -67kg in Tamilnadu State Amateur Kickboxing Federation Cup 2017.

## **GOALS AND PLANS FOR NEXT YEAR**

- To submit proposals to funding agencies for Research and Modernization of Laboratories (MODROB).
- To sign MOU with industries to get Industry Sponsored Projects and Internship, Training of Students.
- To motivate faculty for Industry-Interaction with objectives to get Sponsored Projects and Placement of Students.



# Department of Computer Science

## FACTS

**Jeppiaar Engineering College**, The department of Computer Science and Engineering came into existence from the very inception of the college at 2001 and has been continuously making progress in teaching and R& D activities. Approved by **AICTE** and affiliated to **Anna University**, Accredited by National Board of Accreditation. Initially, the annual intake was 60 and the intake level was enhanced to **120** in the year **2006-2007**. The Department currently has 144 students on each batch with the Post Graduate programme viz. **M.E. - Computer Science and Engineering introduced in the year 2012-2013**. The Department has been recognized as the Centre for Research by Anna University in the year 2015. The Department has at present **24 well-qualified Faculty Members** with various specializations relevant for the industry. The Department has been maintaining an active interaction with the industries particularly with the Computer Society of India, IEEE computer society and encourage our students to expose their knowledge in their fields. The CSE department is dedicated to continually improve the education to develop professionals with worldwide perspective. Our placement record boasts of leading **MNCs like Wipro, Infosys, CTS, L&T Infotech etc.**, for the benefit of the students and faculties. Guests Lectures, In-plant training, Industrial visits, Conferences and symposiums make the students well prepared to face the industry.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- Lecture on “**Current Trends in IT**” was delivered by Sanchit, product manager TringsApp on 30.6.17 for final year students.
- A guest lecture on “**Datastructures And Algorithms**” by Mr.Kanagaraj Nachimuthu Nallaswamy, Research Engineer and Developer ,CEWIT/IIT was conducted for II year students on 01.8.17.
- A guest lecture on “**Theory of Computation**” by Mr Dr.V.Vijayarajan, Associate Professor, VIT was conducted for II year students on 04.8.17.
- A guest lecture on Current Trends in Advanced Technology by **Prof.L.M.Patnaik, Professor, IIS** was conducted for II year students on 14.10.17
- A three day workshop on “**Internet of Things**” was organized for II year students. Sessions were handled by Dr. V.Vanitha Professor and Head of Dept. from Kumaraguru College of Technology.
- A one day workshop on “**Big Data Analytics**” was organized on 13.09.17 by NSIC.
- A three day workshop on “**Big Data and Data Analytics**” was conducted for IInd year and IIIrd year students by Mr.Mohamed Irfan, **Inceptez Technologies** from 20.12.17 to 22.12.17.



- A Guest Lecture for IInd year and IIIrd year students was organized on the title “**CAREER OPTIONS & YOU**” on 29<sup>th</sup> January 2018 by Mr. SGP Raj , Director, Ideavirus.
- A three day workshop on “**Data communication and Data analytics using R**” was conducted for IInd year students by Mr.Kabilan K., M.Tech., M.B.A., (Ph.D), SSN College of Engineering from 29.1.18 to 31.1.18.
- A Guest Lecture has been arranged for the first and second year students on the topic of “**Industry Expectations**” on 2 nd March 2018, Resource person for the guest lecture was Ms.Angelyn Jayaseelan, Associate Director, Human Resources, DXC Technology.



## CODESPEAKS - CODING CONTEST

- Codepeaks-On line practice session was conducted on 28<sup>th</sup> Feb 12.45pm to 3pm and CodeSpeaks Contest held on 1st March 8.15am to 10.15am.



## ASSOCIATION ACTIVITIES

### Computer Society of India (CSI)

- Conducted Regional Level Student Convention for Region-7 (obtained a **grant of Rs.35,000/** from Computer Society of India, 2017)
- Students had published research paper in **CSI Adhyayan** (Quarterly digital magazine for students), **CSI Communications** (Technology Advancements) and **CSI Springer Transactions** on ICT.
- **CSI Regional Level Student Convention**



CSI Regional Level Student Convention is a Regional Level Technical event organized by department of Computer Science & Engineering and Information Technology, Jeppiaar Engineering College.



## DEVELOPER STUDENT CLUB-AN INITIATIVE BY GOOGLE

Developer Student Clubs (DSC) is a Google Developers program for university students to learn mobile and web development skills. The clubs are intended as a space for students to try out new ideas and collaborate to solve mobile and web development problems. A student from each college will be selected as leads to represent their college.



## RESEARCH AND PUBLICATIONS

- Total research publication by faculty: 31

## STUDENT ACHIEVEMENTS

- Innovative project ideas of Shem Jebastin and Naveen Raj of IV year have been accepted for funding for **Rs. 8500/-** by Tamilnadu State Government in Student Project Scheme.
- Innovative project ideas of Ms. Shalini of M.E got selected for funding for **Rs. 5000/-** by Tamilnadu State Government in Student Project Scheme.
- Mr. Ebenezer Rajadurai T (12-16 Batch) secured 8<sup>th</sup> Rank in Anna University Examination.
- Students project got selected for IEEE student project fund (SPF).
- Tamilnadu State level CSI convention was conducted by CSE with a grant of **Rs. 25,000/-** by CSI
- As an initiative, the students of our Department have completed a project worth **Rs. 1,00,000/-** which was sponsored by our Management, to digitalize and automate the operations of a school for SPECIAL CHILD (MAITHREE SCHOOL).
- Students won second prize in IEEE computer society sponsored SS12 project expo.

## MILESTONE EVENTS

- Anna University has recognized our department as Centre for Research.
- Dr. Arokia Renjith obtained a grant of **Rs 8.81 Lakhs** from **DST SERB** (Central Government Fund) to carry out research in emerging areas of Science and Technology.
- Dr. Arokia Renjith , Dr.Jyothi V.L and Dr.Jesu Jayarin obtained a grant of **Rs 5000, RS. 9000 and Rs 8500** respectively from **Tamil Nadu Council for science and technology** (State Government Fund) with a view to aid development of scientific Research in the state.

## GOALS AND PLANS FOR NEXT YEAR

- To get consultancy projects.
- To provide professional Training using Centre of Excellence(COE).
- To set up Industry supported lab.

**ECE**

The image shows the letters 'ECE' in a bold, dark grey, sans-serif font. Below the letters is a thick, light blue curved line that starts under the 'E', goes under the 'C', and ends under the second 'E'. At the right end of this line, there is a dark blue arrowhead pointing to the right.

## FACTS

The Department of Electronics and Communication Engineering (ECE) was established in the year 2001 with the vision to become a centre of excellence to provide endowment education and produce innovative engineers to excel at international level. Initially it was started with a student intake of 60 and rapidly increased to 120 in the year of 2004. The Department also offer PG programme M.E (VLSI Design) established in the year 2014 with an intake of 18 students.

Our Motive is to make the students blossom into commendable and self-disciplined engineers by hard work. The Department Laboratories are fully air conditioned, well equipped with computer systems highly configured computational units. The Department has well experienced and certified faculty in all specializations such as VLSI design, Applied Electronics, Microwave & Optical Engineering Communication Systems, Medical Electronics, Digital Systems and Embedded systems. Colonel **Dr.JEPPIAAR CENTRE FOR KNOWLEDGE SHARING** is collaborated with NIELIT, Chennai accompanied by fully equipped Laboratory center along with required Hardware and Software tools.

The Department has signed MOU's with Government sector and Private sectors such as NIELIT-Chennai, BSNL –Chennai, Vi Micro Systems Pvt. Ltd., - Chennai etc., for training both the Faculties and the students, to provide joint venture programs, project work, problems solving and Research & Development. It also tends to promote the academic Industry interaction and to bridge the gap between industries and the academic curriculum to produce employable graduates. Further, for the students' development, the department has bonded with **STEP- The Hindu, Chennai** to provide English Language proficiency with face-to-face campus training.

The Department has also initiated two professional societies namely, IEEE Communication Society and IETE society. With this society we organize various hands on training workshops, guest lectures and technical activities for students which provide technical knowledge about the latest happenings. The department organizes various training programs with renowned expert trainers from industries and multinational companies to improve the oral, written skills, aptitude skills, of students so they are easily hired by leading core and IT industries. The Department excels with an outcome of 90% of students getting placed in various top companies like **Infosys, Wipro, Cognizant, Capegemini, CSC, NTT Data, MINDTREE, L&T InfoTech, Excela.com & etc.** Our students of ECE have participated in The Smart India Hackathon 2017 under the Government of India in an innovative notion.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- A One day Workshop on “**Internet of Things**” was conducted on 27th July 2017, in association with **PROFILIC SYSTEMS, Chennai** for II year ECE Students.
- Event “**Yantra**” started with a prodigious inaugural function on 2nd August 2017 for the Departments of ECE, EEE, E&I, CSE, and IT. Students were benefited and the sessions were handled by Leema Lab's, IIT, Chennai.
- A one day Workshop on “**Sensor Technology**” was conducted on 11<sup>th</sup> September 2017 in association with **NSIC, Chennai** for III year and II year students, handled by Mr.Prasanna, Technical Engineer and Mr.K.Senthil Kumar, General Manager.
- A one day Workshop on **Advancement in 3D printing for**



**Medical Imaging Advancement and Models** was conducted on 13<sup>th</sup> September 2017 in association with **SS Technologies, Chennai** for III students, handled by Mr.S.Selvaraj, Product Development Engineer.

- A one day Workshop on **Fundamentals of Signals and Systems using MATLAB** was conducted on 8<sup>th</sup> & 9<sup>th</sup> February 2018 in association with IETE and IEEE Communication Society, Chennai for II year students
- A one day workshop on “**Demystifying the Future Mantra**” was conducted by Dr. J. Antony Jerald on 1<sup>st</sup> March 2018 at Library Seminar Hall from 9am to 3pm.

## RESEARCH AND PUBLICATION

- Total research publication by faculty: 2

## STUDENT ACHIEVEMENTS

- Jeppiaar Engineering College NCC PETTY OFFICER CADET R.S KAVIYA SRI of III- ECE got 1<sup>st</sup> place in swimming and best in SCUBA DIVING, conducted by NCC Directorate on 11 August 2017.
- NC-I D.Devi of II-ECE participated in Republic Day cultural at New Delhi in the presence of Prime Minister of India Shri.Narendra Modi on 26.01.2018.
- Preetha Jenifer.A of II-ECE was awarded as PRESIDENT by ROTRACT CLUB, MADRAS SECTION.
- R.Tharun and T.Raajeshwaran of III- ECE successfully completed NPTEL Online course on “PRINCIPLE OF COMMUNICATION SYSTEMS” and “PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON” on September 2017.



## MILESTONE EVENTS

- **Colonel Dr.JEPPIAAR Centre for Knowledge Sharing -** Signing Mutual concern with NIELIT & Jeppiaar Engineering College in the presence of Dr.M.Regeena Jeppiaar, Chairman and Managing Director, Jeppiaar Engineering College & Mr.Krishnamurthy, Director, NIELIT, Chennai.
- Awareness programme on Embedded Technologies and Project Expo - A Two Day Awareness programme on Embedded Technologies and Project Expo was conducted on 17<sup>th</sup> and 18<sup>th</sup> July 2017 in association with IEEE Communication Society and IETE
- The Project Panoply 2K18 was Conducted in 15<sup>th</sup> February 2018. Students enthusiastically persisted in PROJECT PANOPLY 2K18 with their own innovative ideas and enacted their device full projects.



## **GOALS AND PLANS FOR NEXT YEAR**

- A two day National Level Workshop on “Bio-Medical Signal Processing using IOT” is planned on 12th and 13th July 2018.
- A seven day Faculty Development Programme on “ASIC DESIGN FLOW USING CADENCE” in collaboration with TRIDENT TECHLABS is planned on 06th to 13th August 2018.
- A three day National Level Seminar on “Internet of Things using ARDUINO: Tools and Techniques” in collaboration with NIELIT, Chennai is planned on 3rd to 5th September 2018.
- Hands on Training on “SIGNALS AND SYSTEMS USING MATLAB” is planned on 7th January 2019.
- A seven day Short Term Training Programme on “REAL TIME IMPLEMENTATION IN FPGA” in collaboration with TRIDENT TECHLABS is planned on 04th to 11th March 2019.
- Hands on Training on “DESIGN AND ANALYSIS OF ELECTRONIC CIRCUITS USING AUTOMATION TOOLS” is planned on 18th March 2019.



## FACTS

The department of **Electrical & Electronics** established in the year **2001** with a student intake of **60** and increased to **120** in the year **2008**. The department also has a Post Graduate program which offers masters degree in Power Electronics and Drives established in the year 2009 with an intake of 18 students. The department has 27 highly qualified and trained faculty members which include **3 Doctorates and 17 staffs** are currently pursuing research. We have 7 well equipped Laboratories to impart practical knowledge to Students. The department is regularly conducting the seminars, guest lectures, workshops and technical symposiums on latest technologies. As a part of this endeavor, department has been accredited by NBA, New Delhi in 2007 and signed **MOU's with NIWE, NIELIT, NSIC, MSME and VI Micro Systems Pvt. Ltd.** for academic and research development. Our graduates have got placed in reputed software companies like **IBM, Infosys, Wipro etc.** and in core technical companies like **L&T, Robert Bosch, Renault Nissan, Kaar Technologies, Embed UR etc.** Our graduates have pursued and are pursuing their post graduation in universities abroad like **The Texas University, The Nanyang Technological University, The University of Minnesota, etc.,** Students compulsorily undergo in plant Training & final year students carry out project work in various industries which enlighten them on the work environment in today's world. Student's memberships in various professional bodies like **IEEE and ISTE** help to enhance their co-curricular activities. It makes us proud that many of the students from this department have been placed in leading companies through our Campus selection program. The UG program is embraced by rigor and span to prepare a practicing engineer for a lifetime of creative work and ongoing technical learning. The department provides healthy & competitive environment for all round development of students leading to several remarkable achievements in GATE, CAT, GRE, TOEFEL, PSUs etc.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

NSIC (National Small Industries Corporation) Conducted a one day technical workshop on “Basic Electrical and Electronics” entitled “Course on Basic Electrical and Electronics” on 09/09/2017.

- A two day seminar and workshop on “Wind Energy conversion System” was conducted on 07-08/2017 and 08/08/2017 by Dr.P.Kanagavel, Additional Director, NIWE. Seminar-II: Seminar on Wind Energy Technology by Mr.M.Joel Franklin Asaria, Additional Director, Standards & Certification and R&D/S&T, NIWE And also visited NIWE, Pallikaranai for practical training.
- A two day Industrial Training Programme on “Construction and Installation of Transformer” was conducted in SAKTHI TRANSFORMER on 04-08-2017.
- A one day seminar on “Industrial Automation” and Training on “EXCEL AUTOMATION SOLUTIONS” was conducted on 09-08-2017.
- The Chennai Annual Training Camp (CATC) has been conducted on Jeppiaar Engineering College from 17-01-2017 to 26-01-2017 for NCC Cadets.



## ASSOCIATION ACTIVITIES

- Our department students projects Hybrid Cycle and Solar Powered Pesticide Sprayer was shortlisted and awarded with a Cash Prize of Rs.15,000 and Rs. 10,000 by our **Chairman Late Col. Dr. Jeppiaar**.
- Our Technical training team had Conducted MATLAB Workshop on “Digital Signal and Image Processing” on 27<sup>th</sup> March 2017 for 66 students of II year EEE.
- Our PG department MEPED organized a one- day workshop on “Soft Computing Techniques in Engineering and Technology” on 11th and 12th August 2016 jointly with M.E [CSE, PED, VLSI, Mechatronics and Bio-Tech].



## FACULTY ACHIEVEMENTS

- **Dr. V Sridevi** got funding amount of Rs. 10,000 from Tamilnadu State Council for Science and Technology [TNSCST] DOTE Campus, Chennai - 600 025, Project Titled at **Automatic V-duster** with final year students Aravind D , Bala Vignesh, S Manikandan M.
- Filed 3 Patents for the Project Hybrid Hycle, Solar powered pesticide sprayer and intelligent controller based vehicle during the academic year 2016-17.
- Dr. V. Sridevi & Dr.M.Sasikumar underwent 3 days Faculty Development Program with BOSCH from 27.05.17 to 29.05.17.

## RESEARCH & PUBLICATIONS

- Total no. of faculty publications : 2

## STUDENT ACHIEVEMENTS

- Final year students Mr. S. Aravind, Mr. V. Balaji & Mr. G. Aravind won cash award of Rs.5,00,000/- and InfyMakers Award for the Project of "Maritime Border Warning System".
- Third year students, A.Madhubala and M. Diviya has won third prize for paper presentation on title “Intelligent energy management on BTS along with hybrid renewable energy resources” in 3<sup>rd</sup> National Conference On Sustainable Trends In Energy and Environmental Resources (SSN-STEER 2017) Conducted by Dept of Chemical Engineering on 2nd February 2017 at SSN Engineering College.
- Energy Audit: Faculty members of EEE Dept. Dr.M.Sasikumar, Dr. V. Sridevi Mr.S.Sakthi, and Final year student V.AnandhaKrishnan – Team Leader along with his team members M.SatheshKumar, U.Gsudharshan, P.Pushparaj, M.HariPrasad, E.Pavithra, G.Vanmathi & S.Preethibaa measured the necessary electrical parameters and evaluated the energy consumption of all departments in our college campus carried out with the help of Mr.Jayachandran Electrical supervisor.



## **MILESTONE EVENTS**

- **MoUs signed** - National Institute of Wind Energy (NIWE) and National Small Industries Corporation (NSIC)

## **GOALS AND PLANS FOR NEXT YEAR**

- To produce energetic graduates who engage in self-development activities through professional study and advanced research that will allow them to adapt to evolving technological challenges and successful electrical engineer.
- To achieve efficiency and agility to respond to ever-changing operational conditions and increasing employability in graduates of Electrical Engineer.
- To establish closer research collaboration with academic institutions nationally and internationally.
- Improve core business technologies to enhance reliability, quality and efficiency of electric power sector.
- Provide the electric power with high-quality, effective and safe technologies that meet the most rigorous standards of the modern engineering industries.



# Electronics and Instrumentation

## FACTS

Electronic systems and Instrumentation has been interwoven and intertwined into every aspect of daily life such as home appliances, medical gadgets and many more to add. A successful Electronics Instrumentation Engineer is essential for selecting, installing, calibrating, and maintaining instrumentation used in various industries. Electronics Instrumentation Technology is the study of specialized instruments to measure monitoring and control critical processes found in automated industries. Our Department of Electronics and Instrumentation was established in 2008 with an intake of 60 students and was subsequently increased to 120 in the year 2009. We have highly qualified and dedicated teaching faculty members out of which many are pursuing Ph.D. The Department has sophisticated Laboratories to impart quality Technical education which include, Transducer and Measurement Lab, Industrial Instrumentation Lab, Process Control Lab, Instrumentation System Design Lab, Electronics circuits and Devices lab, Microprocessor and Microcontroller Lab, Virtual Instrumentation Lab.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- Value Added Course on "Plc, Scada And Dcs" conducted from 10.07.17 - 14.07.17.
- A seven day SDTP training programme on "Reverse Engineering" was conducted from 08.01.2018 to 19.01.2018 and 45 students participated in the session.
- Project Expo was conducted on 12.02.18 by the II year students who displayed the models and explained to all the non-participants of the workshop.
- A seven day SDTP training programme on "Process Control Automation And Control" from 05.02.2018 to 13.02.2018.
- A guest lecture was organized on the topic "Process Control Industries" handled by Ms.Sreela, Yokogawa Chennai on 4th July 2017
- A guest lecture was organized on the topic "Automation In Process Control Industries" handled by Mr. Naveen, General Manager, & Mr.Arjun M Warriar, Senior Engineer, MERIDIAN SCHOOL OF OIL AND GAS PVT LTD, Chennai on 27<sup>th</sup> JUNE 2017.
- A guest lecture was organized on the topic "ADVANCED BRAKING SYSTEMS" handled by Mr. S.Balaji on 31.08.2017
- A guest lecture was organized on "CAREERS" handled by Mr. S.Balaji Mr. L. VENKATESAN on 03.07.2017
- A guest lecture was organized on "TIME MANAGEMENT" handled by Ms.T.Divya, Senior Project Manager, Caterpillar Pvt. Ltd,Chennai on 29.01.18
- A One Day Seminar was organized on "Vacuum Technology And Its Applications & Industrial Flow Measurement" by A.R.ANUJA, Human Resource and



Santiago Robin.J, Marketing Executive, Toshniwal Hyvac pvt ltd.,Chennai on 12.09.2017.

- A One Day Technical Workshop was organized on “Design Of Industrial Transmitters With Application” by Mr.Senthil Kumar, Project Engineer, NSIC Chennai on 07.09.2017
- ISOI (Instrument Society of India) – A Two Day Workshop on Electronic Circuit Designing In PCB Using CAD Software by Mr.Sathiyamoorthy on 05.07.17 - 06.07.17



## ASSOCIATION ACTIVITIES

- ISA (International Society of Automation) – A two Day Workshop on IOT With Arduino on 29.06.17-30.06.17



## FACULTY ACHIEVEMENTS

- Department faculties have filled 20 patents



## RESEARCH AND PUBLICATIONS

- Total no. of faculty publications : 22

## STUDENT ACHIEVEMENTS

- AHAMED NALIBUDEEN.P.S has won 2nd prize & 5000 cash prize in the paper presentation at IEEE Madras section & Sri Eshwar College of Engg, Coimbatore.
- AJINAS.P, MANIKANDAN.S, ARAVINDH.S have won the I PRIZE and best project award at the “THE TRACK” which was held at Velammal engineering college with a cash award of Rs.4000
- Students Won the III PRIZE at the Project Expo held at Sairam Institute of Tech with a cash award of Rs.2000.
- KRITHIKASRI.K won II prize in TECHNOQUIZ held at Meenakshi Sundararajan Engineering College.

## GOALS AND PLANS FOR NEXT YEAR

- 2 STDP/FDP .
- 2 Workshop (Lab view & Advanced Microcontroller Design).
- 2 Certification Course .
- 6 Guest Lectures .
- MOU With Toshniwal, Hp Valves .
- 4 Industrial Visit.



# INFORMATION @ TECHNOLOGY

## FACTS

Information technology empowers people to do what they want to do. It lets people be creative and productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential. It is the field that is growing rapidly. To enlighten the novel engineers in this field a B.Tech. Degree level program in Information Technology was conducted in the year 2001.

The Department of Information Technology has been an active and effective part of Jeppiaar Engineering College (JEC) for more than a decade. Right from its inception in the year 2001, the department has been offering well - built infrastructural facilities with different computer platforms for grooming professional students to meet the incessant demands of the IT Industries. The department has vibrant and dynamic community of faculty and students and their varied achievements have made the department one of the best in the campus. The faculty team takes creative and committed measures to bring passion, enthusiasm to create quality professionals. Our students have secured university ranks for consecutive years. The department has state-of-the-art laboratories, departmental library, seminar hall, well-furnished smart class rooms with multimedia LCD projectors to provide enhanced learning environment. The department has three laboratories such as Algorithm & Programming laboratory, D3 Laboratory, Cloud laboratory and each lab comprises of various labs. The department provides best infrastructure and educational resources for students to help in self learning and practice.

The Department has faculty members specialized in Wireless Networks, Data mining, Soft Computing, Network Security, Cyber Security, Big Data Analytics, Image Processing, Cloud Computing and Mobile Computing. The Department is committed to build young professionals with a strong sense of intellectual curiosity, leadership skills, ethics and integrity, as they enter the workforce. The Department conducts a continuous and rigorous placement development programme that shapes every learner to be an employable and industry ready individual at the end of four years. The department maintains a good recruitment record in top companies like CTS, WIPRO, HCL, INFOSYS, etc.

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- A two day Conference ICONSTEM- March 2017 was organized
- A one day workshop on “Data Integration and Management using Informatica” 24<sup>th</sup> MAR 2017.
- A one day workshop on “Big Data – Industry trends and analysis” 25<sup>th</sup> MAR 2017.
- A one day workshop on “Internet Of Things” 28<sup>th</sup> June 2017.
- A one day workshop on “Open Source Systems” 2<sup>nd</sup> July 2017
- A two- day competition was conducted on web design contest “ERROR 404”-18 & 19 sep 2017.
- A Hands on workshop on “Internet Of Things Using ARDUINO” was conducted from 29<sup>th</sup> to 31<sup>st</sup> Jan 2018.
- A two-day workshop on “AWS Development And Deployment In Cloud” was conducted from 15<sup>th</sup> & 16<sup>th</sup> feb 2018.
- Conducted FDP on “**python programming**” – 9th to 11th August 2017



## MILESTONE EVENTS

- MOU signed with CDAC Corporation for two years to the benefit of students community.

## GUEST LECTURES

- Organized on “INFORMATION SECURITY” by Ms.Shriya Raviprasad., IBM pvt.ltd
- Organized on “AUTOMATION TESTING IN NETWORKING” by MR.Alagu Bharathi Murugan., HCL Technologies.
- Organized on “CLOUD COMPUTING” by Mr. Arokiya Doss., Wipro.
- Organized on “OPEN SOURCE SYSTEMS” by Mr.Adithya Pothan Raj., IBM.



## ASSOCIATION ACTIVITIES

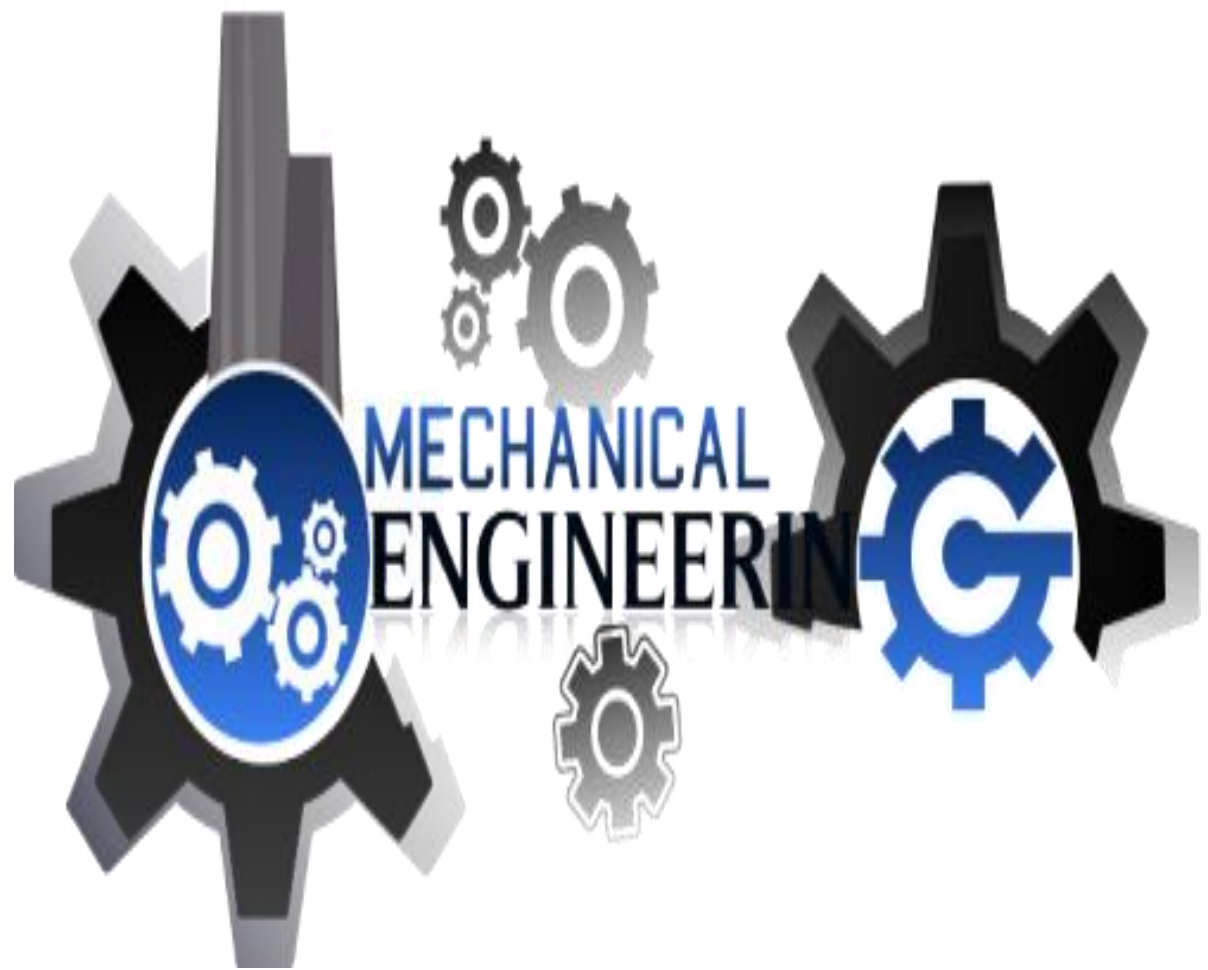
- NITTTR MOU initiative process for arranged FDP on “IDDS program” on Aug-2017
- Third year IT students(2 batches) doing their final year projects in NITTTR under the guidance of three NITTTR doctorates staff.
- Third year IT students(1 batch) doing their internship project in CDAC under the guidance of one CDAC Expert staff.
- Organized a PG project in NIC for our college PG Student.

## RESEARCH & PUBLICATIONS

- Total no. of faculty publications-17

## STUDENT ACHIEVEMENTS

- Third year got funded entrepreneurship project in EDII's IEDP online web portal.(Entrepreneurship Development Innovative Institute).
- Second year student developed the prototype for ROBO-SOCCAR.,Idea name is-D-MOPS organized by Bits Pilani., He got 1<sup>st</sup> prize(20,000 RS cash prize).
- Third year IT students (1 batch) got 1<sup>st</sup> prize in Paper presentation organized by IEEE.
- Project Expo was conducted where the third year student batch got first prize, a 2<sup>nd</sup> year student got second prize and 3<sup>rd</sup> year student batch got third prize, Projects are implemented by IOT technology.
- 15 students have completed NTPL certificate course.



## FACTS

The objective of Mechanical Engineering Department is to provide high class education enabling the students to have the ability to design, plan, administer and manage the latest technologies in the field of mechanical engineering to face the future challenges. The Department provides most sophisticated laboratory facilities and excellent infrastructure to the students. The department has well qualified, dedicated, enthusiastic Teaching and Technical staff members. It is a discipline that finds wide scope in emerging area like CAD, CAM, CIM, Robotics, Mechatronics and Renewable Energy etc., The Department organizes a number of guest lectures, seminars, conferences and industrial visits every year. The students of our department have good communication and Inter personal skills. Their thoughts and creativity has yielded them National/State level prizes. The Department has been producing excellent results with distinctions in the university examinations consistently. So for our students achieved 36 university ranks. Our students have been actively associating themselves with industries through industrial projects, in-plant training and industrial visits with organizations like FORD, HYUNDAI, IGCAR, ASHOK LEYLAND, TVS, TAFE, BOSCH and L& T. All the students are members of the professional societies like SAE and ISHRAE.

The Master of Engineering in Mechatronics Engineering program has been started in the year 2012 and is focused to prepare graduate students in the multi-disciplinary profession on Automation, Robotics, Mechatronics and Computer Aided Manufacturing for the challenges and opportunities that abound in modern technology and society. The laboratories are fully air-conditioned, well equipped and commensurate with licensed electronic design software like LAB VIEW and MATLAB.

## MILESTONE EVENTS

- MoUs signed -CADD SCHOOL PRIVATE LTD – 15.12.2017

## CONFERENCES / SEMINARS / WORKSHOPS /FDP/ GUEST LECTURE ORGANIZED

- Seminar – NDT - 3/7/2017
- Workshop - Sensor & Transducer in Automotive - 9/8/2017 - NSIC - Govt. of India
- Guest Lecture - 8/4/2017 - Mr. P.WILFRED SOUNDARAM. The Supreme Industries Limited.
- Industrial Training - GD &T, Vehicle Assembly - 7-8-17 to 11-8-17(Batch- 1) & 14/9/17 to 16/9/17 & 18/9/17,19/9/17(Batch-2) - 5days for each batch - TVS - Ambattur.
- Certified Course – CATIA - 7/8/17,11/8/17,13/9/17,5/10/17,6/10/17(40hrs) - Space Cadd.
- Certified Course – CFD - 21/7/17,25/7/17,11/8/17, 16/8/17,7/9/17(40hrs) - Uthsavik Pvt Ltd .



## ASSOCIATION ACTIVITIES

- SAE - Go kart Team participated in the GKDC – National level Go kart competition and secured overall 13<sup>th</sup> place out of 180 teams in the National level. First place in Chennai level.
- ISHRAE - Indian Society of Heating Refrigeration and Air Conditioning Engineers, Kalpakkam Chapter strength of 50 student members visited Indira Gandhi Centre for Atomic Research (IGCAR) at Kalpakkam on 06.02.2018.



## FACULTY ACHIEVEMENTS

- 32 Patents were filed
- 35 International conference Papers to be presented
- 10 Journal papers published

## STUDENT ACHIEVEMENTS

- Eleven Students participated in the automotive workshop held on 21.02.2018 to 23.02.2018 at IIT Delhi
- Four Students completed the project work in BHEL, Trichy
- Two Students completed the project work in Hyundai Motor company
- Twelve Students completed the project work in NSIC project

## GOALS AND PLANS FOR NEXT YEAR

- Industrial Institute Interaction
- 100% in Graduation
- Funded R&D projects
- Centre of excellence in academic and Innovation in Mechanical Engineering



## NATIONAL CADET CORPS JEPPIAAR ENGINEERING COLLEGE 4[TN] NAVAL TECH UNIT NCC



National Cadet Corps (NCC) Naval Wing was started in our college on 17 September 2003 in the presence of Commander B.V.Ramakrishna and is functioning successfully under the excellent guidance of our Founder Chairman Late **Colonel Dr.Jeppiaar** M.A, B.L, Ph.D, and energetic Director **Dr.Regeena**, J.Murali B.Tech.,M.B.A.,Ph.D., and our Associate NCC Officer Sub.Lt.Dr.S.K.Padmanabhan.M.E.,Ph.D.

The strength of NCC division is 50 cadets, including 16 Girl Cadets. Every year 20 Parades are conducted, each parade consists of 6 periods (i.e.) 4 hours. Petty officers from 4(T.N) Naval Tech Unit train and infuse great enthusiasm in our cadets.

On account of our beloved Chairman late Col.Dr.Jeppiaar's interest in NCC and his active participation and keen interest in Youth Welfare and Social Welfare activities like providing platform for conduction of NCC annual Training Camps, Scouts and Guides Camp, RDC felicitation Camp, Cycle Expeditions, Blood Donation Camps, Ex-Service men welfare fund allocation, Widow welfare Scheme, Fisher Man Community Welfare Association and considering many other social activities, our NCC honoured our late Chairman by decorating Colonel Rank directly on his shoulder

### ANNUAL TRAINING CAMP

- Seven Annual Training Camps were conducted in our college, where Senior Division & Senior Wing cadets from six Engineering colleges and Junior Division cadets from four schools were participated.

### CYCLE EXPEDITION

- Cycle Expedition is being conducted every year to spread awareness among people regarding Social Issues from Chennai to Kanniyakumari and from Chennai to Velankanni covering about 1000 kms.

### LIFE TIME ACHIEVEMENT

- Six of our Cadets have been selected for Defence Services.

### NAVAL TECHNICAL ATTACHMENT CAMP

- NCC cadets including Senior Wing (girl cadets) were nominated for 'Naval Technical Attachment Camp', training programme which was conducted by our 4 [TN] Naval Tech Unit NCC. They used to visit Naval Dockyard at Vaizag and INS VALSURA Jam Nagar and INS Shivaji Lonavla, Mumbai and our cadets actively participate and won many prizes in the events conducted every year.

### NATIONAL INTEGRATION CAMP

- Our cadets participated in the NIC Camps conducted by NCC throughout India and share our cultural heritage to other state cadets.

## **RIFLE PARADE**

- A Rifle Parade used to be conducted on 15th August and 26th January every year on account of Independence Day and Republic Day Celebrations in our college. Guard of Honour is given to our Chairman Late Colonel Dr. Jeppiaar, M.A, B.L., Ph.D, and our Director Dr. Regeena Jeppiaar, Principal, Staffs and Students who participate in the Independence Day and Republic Day Celebrations. Cultural events like Dance and National Integration skit was performed by our cadets, Oath taking, Releasing of balloon and distribution of sweets was a part of our celebration .

## **RDC CAMP**

- In the year 26/01/2016 our SD cadet POC **Solomon Raj got** selected and participated in **RDC Delhi 2016** and marched in **Rajpath**.
- This year 27<sup>th</sup> January 2018 our Cadet Devi was selected and participated in National Integration Camp, Delhi Performed Six Varieties of Dance in Presence of Honorable Prime Minister Narendra Modi and other Foreign Dignitaries. Defence Minister and NCC DG were present. She is specialized in Bharathanatiam Dance

## **COASTAL CLEANING**

- Every Year our cadets participate in Coastal cleaning activities joining hands with CII- YI and International Coastal Cleanup day event and clean ECR coastal region.

## **TREE PLANTATION**

- Our Cadets actively participated in Tree plantation program to make our campus and world green.

## **BLOOD DONATION CAMP**

- We have organized, participated and donated blood during the ‘**Blood Donation camp**’ conducted by the **Youth Red Cross** of our college.

## **KARGIL DAY**

- **26 July Kargil Day**: Honoured Kargil Jawans who sacrificed their lives for protecting our Country. Wreath was placed by our Hon’ble Chairman Late Colonel Dr. Jeppiaar and delivers the patriotic speech. Candles were lit by our Director Mrs. Regeena J. Murali followed by Principal, Staffs and students participated in this historic event and made successful event every year.

## **DG COMMENDATION AWARD**

- Associate NCC Officer Sub-Lt. Dr. S.K. Padmanabhan was selected for the award of the prestigious commendation card from “Director General, NCC New Delhi. The award is given in recognition to duty, dedication and meeting exemplary standards by him. Our Chairman & Managing Director Dr. Regeena J. Murali and Captain Suresh Babu, Commanding Officer honoured our Associate NCC Officer S/Lt. Dr. S.K. Padmanabhan with the Commendation Badge and Certificate on the prestigious occasion of Jeppiaar ICON Awards function.

**“NCC – FOR THE PHYSICALLY FIT AND MENTALLY TOUGH”**

**\*\*\*Jai Hind \*\*\***



## YOUTH RED CROSS SOCIETY



The Youth Red Cross Unit was inaugurated in our college on **5<sup>th</sup> September 2003** and registered under the Red Cross Society, Tamil Nadu Branch.

As we know, Youth Red Cross society is a very important group movement for students in institutions of Higher Education to bring out their voluntary service minds for people in distress. We thank our **Honourable Chairman Late Colonel Dr.Jeppiaar.,M.A.B.L.,Ph.D.**, and **Director Dr.Regeena.J.Murali.,B.Tech., M.B.A., Ph.D.**, in helping us to do these activities.

The first activity organized was the collection of an important commodity- **BLOOD**. The Youth Red Cross Unit of our college organized a **“Blood Donation Camp”** twice a year. A minimum of 200 students and staffs actively participated and donated blood. Our YRC Unit received **“DR.SIVARAJ ROLLING TROPHY”** 8 times consecutively for maximum blood donated by Engineering College in Tamilnadu. We received it from His Excellency **Dr.Surjit Singh Burnala**, Governor of Tamilnadu State twice on the Red Cross Day in 2010 &2011 and in the year 2012 from Hon’ble **Mr.Duraisamy, Mayor of Chennai**. During the year 2013, we received Trophy from **Dr.Rosaiya**, Governor of Tamilnadu. Twice we received trophy from **“Dr.MGR Medical University”** for helping them by donating blood during crucial situations like Flood and Dengue periods.

### ACTIVITIES CONDUCTED

S.No	Name of the Activities	Conducted on	Number of Participants	Achieved/Activity done
1	<b>Kargil Day</b> Blood Donation Camp	26/07/17	105 Volunteers donated blood (Dr.MGR Medical Univ)	Director Mrs.Regeena. J.Murali, Principal Dr.G.Sathiyabama.,M.E,Ph. D. inaugurated the camp.
2	Blood Donation Camp	08/08/17	208 Volunteers donated blood (Chennai Corporation for Govt. Hospital)	Director Mrs.Regeena. J.Murali, Principal Dr.G.Sathiyabama.,M.E,Ph. D. inaugurated the camp.
3	<b>Kargil Day</b> Blood Donation Camp	26/07/17	92 Volunteers donated blood (Dr.MGR Medical Univ)	Captain Suresh Babu, Commanding Officer, 4[TN] Naval Tech Unit NCC, Principal Dr.J.Venu Gopala Krishnan.,M.Tech,Ph.D. inaugurated the camp.
4	Blood Donation Camp	21/02/18	177 Volunteers donated blood (IRCS)	Director Mrs.Regeena. J.Murali, Principal Dr.J.Venu Gopala Krishnan.,M.Tech,Ph.D. inaugurated the camp



## JEPPIAAR ENGINEERING COLLEGE NATIONAL SERVICE SCHEME (NSS)



**National Service Scheme (NSS)** is a permanent youth programme under the ministry of Youth Affairs and Sports, Government of India and funded by Government of Tamil Nadu and Government of India in the ratio of 5:7

National Service Scheme of Jeppiaar Engineering College was initiated with a vision to cause benefit to the society in any possible way. We, at NSS function with a mission to mobilize our youth into a sect of progressive citizens and imbibe in them an inclination towards social service. **National Service Scheme (NSS)** has 2 units (200 students) from I, II, III years of all departments of the college, who work with a motto “Not me, but you”.

### SAPLING PLANTATION UPDATE

➤ 557 saplings planted in the academic year

DATE OF EVENT	NUMBER OF SAPLING PLANTED	PLACE OF SAPLING PLANTED	NUMBER OF STUDENTS INVOLVED
05.06.2017	50	Jeppiaar Engineering College	80
15.08.2017	20	Jeppiaar Engineering College	50
21.11.2017	120	KODAMBAKKAM, CHENNAI	75
10.02.2018	100	Jeppiaar Engineering College	200
13.02.2018	25	Manampathy , Thiruporur, Kanchipuram Dt	50
20.02.2018	02	Jeppiaar Engineering College	02

## LIST OF ACTIVITIES

- On 18 June 2017 NSS volunteers along with Zorba Fitness studio have conducted a public yoga event at Marina beach in regard to international Yoga day
- National Service Scheme of Jeppiaar Engineering College conducted Yoga on 21 June 2017 in the college premises and was demonstrated by Mr. Arun, Yoga Instructor & Asst Professor (ECE- Jeppiaar Engg Coll’).
- NSS volunteers of Jeppiaar Engineering college along with “United way-Chennai” NGO conducted a Sanitation awareness campaign regarding ‘Hand wash and hygiene’ at various government schools in Chennai city.
- NSS volunteers of Jeppiaar Engineering College Along With ‘The Hindu’ conducted a Health & Fitness Awareness session for public on 9 July 2017 at marina beach, Chennai
- Four NSS volunteers (Mr. Devaraj-Civil III year, Mr. Praveen-EEE II year, Ms. Youvasree-Civil II year, Ms.Abinaya-ECE II year) and Program Officer Haston Amit Kumar, Assistant Professor (Aero) participated in one day orientation program organized by NSS of Anna University on 26-08-2017 at Vivekananda Auditorium, Anna University for NSS units of Anna University affiliated institutions. During the program various NGO’s addressed the gathering also Dr. T. V Geetha, Dean (Academics)- Anna University, Dr. Samuel Chelliah, State NSS Regional Director, Dr Rajasekaran, State Liaison officer, Dr. Ramesh, NSS Coordinator-Anna University were present in the program.

### JULY

- 9th- Health and fitness awareness to public at Marina – Car free Sunday- The Hindu and Chennai City Police.
- 17th to 20th– Boys hostel clean up activity.

### AUGUST

- 1st to 15th- Swachatha pakhwara.
- 12th-Voter Registration Campaign.
- 26th– One Day Orientation Workshop at Anna University.
- 30th-Plant Saplings Distribution at Marina.



## SEPTEMBER

- 5th–Teacher’s day celebration.
- 13th & 14th- Bharath yatra mission.

## OCTOBER

- 28th-Village sanitation survey camp.

## NOVEMBER

- 21st–Tree plantation.
- 24th-Tsunami Disaster drill and awareness.

## DECEMBER 2017

- 16th-One day workshop on “Agricultural practices” at Anna University.

## JANUARY 2018

- 05th-Awareness program on saving turtles.
- 06th-Library clean up and renovation.
- 07th– Swachh bharrath activity at CSI School for Deaf and Dumb, santhome.
- 18th– Sand sculpting contest.
- 25th-Self-confidence build up session.

## FEBRUARY 2018

- 4th-Ridley run 2018.
- 5th to 13th –Special camp @ Manampathy Village.
- 17th to 20th – Swachh Baharrath activity in the campus.
- 11th- Mass Plantation drive with Mahindra first choice.
- 20th-Plantation on Director birthday.
- 21st- Blood donation drive.
- 27th- Plantation with school children.

## MARCH 2018

- 3rd- Walkathon
- 8th-Women’s day celebration
- 10th-NSS One day workshop
- 11th-Decathlon run
- 15th– Turtle Nest Construction



**PLANTATION CAMPAIGN**



Date: 21.11.2017  
 Place: Kodambakkam, Chennai

The National Service Scheme of **Jeppiaar Engineering College** organized a Tree Plantation drive on 21, November, 2017. In a view of promoting a "Green World", All India Social Activities Association and Non - Governmental Organization , supported significant Plantation campaign assuming sponsorship of the Saplings. Our Enthusiastic **JEC NSS UNIT** Students planted the Saplings along the streets of Kodambakkam, committing themselves to nourish their allocated plants more like a fellow being.

**JANUARY 2018**  
**AWARENESS PROGRAM ON SAVING THE TURTLES**

**DATE** : 05.01.2018  
**NAME OF THE PROGRAM** : Awareness on saving the turtles  
**VENUE** : SEMINAR HALL, JEPPIAAR ENGINEERING COLLEGE  
**PARTICIPANTS** : 100 NSS VOLUNTEERS  
**DESCRIPTION** : MR.HAFIZ Khan of **Ezone India** delivered a very informative and thought provoking lecture regarding turtles, its need of survival and our role to save the turtle. Later the volunteers pledged to promote a similar campaign by a sand sculpting contest.  
**BENEFICIERIES** : NSS Volunteers realized a noble cause



**TSUNAMI AWARENESS PROGRAM**



Date: 24 .11.2017  
 Place: Nainarkuppam, Chennai

In Association with Chennai Corporation **JEC NSS UNIT** of **Jeppiaar Engineering College** made a **Tsunami Awareness program** at Nainarkuppam in ECR. Our Volunteers under the guidance of Commissioner of Chennai District, we went to each home in the village and told them what to do in case of Tsunami warning is given. The people co-operated with us and gave us full support. We too performed a Skit for the people to show what they have to do and do not in case of Tsunami. The Greater Chennai Corporation and the people of Nainarkuppam appreciated us for our service.

**JEPPIAAR ENGINEERING COLLEGE**  
 Jeppiaar nagar, Rajiv gandhi salai , Chennai - 119  
**NATIONAL SERVICE SCHEME**  
**WORKSHOP ON ORGANICA FARMING**



Date: 16.12.2017  
 Place: TAG Auditorium, Anna University, Guindy,, Chennai

The Volunteers of the **JEC NSS UNIT** attended a one day workshop on Organic Farming and Sustainable living. This Program was organised by the NSS wing of AC Tech in association with the Yuvashakthi , an Youth welfare organisation. Mr.Kishore who has been a successful person in the field of Organic farming addressed the students and shared his ideas in organic farming. The Agricultural officers from several places were present at the event and shared their views on the Organic farming and how government helps us in these means.







# **JEPPIAAR ENGINEERING COLLEGE**

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 119



## **NSS SPECIAL CAMP 2018**

**THEME: YOUTH FOR CLEANLINESS**

PLACE: MANAMPATHY | DATE: 05-02-2018 TO 13-02-2018




















# ROTARACT CLUB OF JEPPIAAR ENGINEERING COLLEGE

- Organized Medical camp for drivers of Jeppiaar Engineering College on 17.06.2017
- Organized 3 week Smoking cessation programme for drivers was done with Sri Ragas Hospital, Smoking level were monitored and medicines were given to drivers.
- Organized Handwriting improvement session and health awareness session at Government school Manamathy village was conducted by Dr. Harish on 17.07.2017
- Organized yoga classes with Brahmakumaris for hostel students
- Organized Raising awareness of back pain and spinal health for faculties at Jeppiaar Engineering College on 21.09.2017
- Organized Pre-Diwali Celebration in Orphanage at new hope orphanage, Perumbakkam on 13.10.2017
- Organized Christmas Celebration at Boys club in Kannagi Nagar, Chennai
- Participated in Sand Sculpting Contest, Palavakkam Beach “Turtles and seashore” along with ezone.
- Organized Guinness record event on “Narcotic and drug awareness” on 02.02.2018.
- Walkathon on “SAVE WATER, PROTECT FARMER AND AGRICULTURE” on 03.03.2018.
- Conducted MEDICAL CAMP FOR WOMEN on the international Womens day at Manamathy village.



## ENTREPRENEURSHIP DEVELOPMENT CELL

- Organised “Campus Company start up” with TANSTIA-FNF Service center on 23/06/2017. Mr. Krishna Kumar, I-STED Director address the students and he demonstrated the DST Approved innovative projects and spoke about startup policy at TFSC.
- Organised “IDEA BOX” Event - a fun competition for students arranged on campus. Students came up with original business plans and drop them into a box. The ideas were evaluated and the best of 3 ideas won.
- One Day Workshop on “Innovation in Entrepreneurship” on 11/07/2017 Mr.Stalin Michael, President, EinNel Technology, USA, has given the inaugural address and gives the lecture to students in the topic of innovation in entrepreneurship.
- INDO-GLOBAL SKILLS SUMMIT –EXPO Organized by INDUS ORGANIZATION in association with Ministry of Skills Development and Entrepreneurship on 22/07/2017.
- DST –NIMAT sponsored Three days Entrepreneurship Awareness camp, Mr.R.Ramaraj, Senior Advisor, Elevar Equity shared the technology based entrepreneurship.
- Department of biotechnology organized three days workshop in association with EDC on topic of “Transforming sustainable livelihood by linking environment through bio-agro based entrepreneurial prowess for societal benefit”. The workshop topics includes horticulture, fisheries, aqua forming, aqua ponics, etc
- EDII Tamil Nadu IEDP web portal project Rs 1,22050 received from EDII Tamil Nadu, E-cell members got fund to construct IEDP web portal. EDII offers internship for 18 members.
- Jointly Organized International Women’s Day Celebration on 9/03/2017 at Anna University. A total of 406 students were participated from Engineering and Arts and Science colleges in and around Chennai. The co-organizers are COWE, St.Joseph’s Engineering College and Alpha Arts and Science College
- Power Talk Series on Franchise Business Model Mr.S. Vinoth and Mrs. Thyaba from Franchise India brands limited delivered the talks on franchise business model.



## RESEARCH & DEVELOPMENT CELL



One Day workshop on “Intellectual Property Rights & patent Search Innovations”, was organized by R&D Cell along with Centre for intellectual property Rights Cell – Anna University on 3<sup>rd</sup> Aug 2017.

## ADVISORY BUREAU



“Opportunity for Higher Studies for biotech students” was organized by Advisory bureau on 18<sup>th</sup> Sep 2017. Dr Peter Monk from university of Sheffield, UK addressed the students.

## PLACEMENT ACTIVITIES

Our recruiters are



S.No.	Name of the training	Duration
1	Aptitude training	10 days
2	Soft skills training	3 days
3	Company specific training	2 days
4	Mock Interview/Mock GD	3 days
5	Problem solving in C programming	4 days
6	Training on Data Structures	4 days
7	Training on Algorithms	3 days
8	Department specific Technical training	6 days
	TOTAL	35 days

# MEMORIES OF SPORTS HONOURS



## CONFEDERATION OF INDIAN INDUSTRY



Jeppiaar Engineering college in association with CII organized course on “Entrepreneurial skill development “ for SC/ST students



Organised business Clinics session on 11<sup>th</sup> Sep 2017

Academic sponsor for HR Summit organized by CII with theme of Gearing up for the Changing Environment on 6<sup>th</sup> Sep 2017



CII two days workshop on “Restructuring and redesigning the higher education curriculum to meet industry needs” on 23<sup>rd</sup> & 24<sup>th</sup> Aug 2017 at Jeppiaar engineering college.

## GRIEVANCES CELL



Counseling was given to boys and girls by the Psychologist Mrs Indumathi during 19<sup>th</sup> & 20<sup>th</sup> Sep 2017.



Guest Lecture on” All About You.....Women” given by Dr Pramila Parasuram for a healthy and stress free life style.

# OUR COLLEGE CELEBRATIONS

## KARGIL DAY

Salute to the Soldiers of Kargil war !!!!!!!!!!!!!!!!



Patriotism towards the Nation and National Leaders!!!!!!

## INDEPENDENCE DAY



## REPUBLIC DAY



## TEACHER'S DAY



Teacher's day was celebrated with all group of institutions teaching staffs in Jeppiaar engineering college

## CHRISTMAS DAY



## CHRISTMAS CELEBRATIONS



## NEW YEAR



The new year was celebrated on 02-01-2018 with all group of intuitions staff members

## DR A.P.J. ABDULKALAM 86<sup>TH</sup> BIRTHDAY



Dr A.P.J Abdul Kalam 86<sup>th</sup> birthday was celebrated in Jeppiaar Engineering College on 12-10-2017. Various competitions were conducted and the winners were appreciated with certificate and prices.

## CONVOCATION DAY



The convocation for the batch of 2013-2017 passed out students was organized on 15-07-17.

## JEPPIAAR WOMEN'S DAY CELEBRATION 2018

*Women's Day*   
*Celebration 2k18*



## INTERNATIONAL YOUTH FELLOWSHIP CAMP



International youth Fellowship-South Korea has organized youth camp on 10/2/2017 at Jeppiaar Engineering College.

## JEPPIAAR ICON AWARDS



Jeppiaar ICON Award was offered to persons who have done remarkable service in their respective fields. This year 6 person were awards they are Master Sabari Venkat, Mr Velumani, Mr Srujith, Mr Issari Ganesh, on 10-03-18 at Jeppiaar Engineering College campus.

## SAIL - WOMEN ICON AWARDS 2017



SAIL Honoured exemplary women in their respective field of act like service, art, music, law practice, teaching, acting, singing, Business etc on 06-10-17 at Jeppiaar Engineering College campus.

## INDUSTRIAL TRAINING



Staff were given with industrial training at Bosch Training centre, Bangalore from 11<sup>th</sup> to 14<sup>th</sup> Oct 2017.

## FOURTH INTERNATIONAL CONFERENCE ICONSET '18



Fourth International Conference on Science, Engineering and Technology (ICONSET '18) is organised by Engineering Science and Technology of Jeppiaar Engineering College on 23rd & 24th March, 2018. The conference created a remarkable evaluation to indulge all the delegates in the frontier of engineering, science and technology in robotics and automation. The program provided an opportunity to the participants to understand the concepts involved in the indicators of Robotics Automation as well as the characterization and modelling for the future industrial environment.

## GUNNIES RECORD ATTEMPT



Rotract club of Chennai has made an attempt to create a new Guinness World record by organizing a 2000 audience creating awareness on Drug usage on 02-02-18.

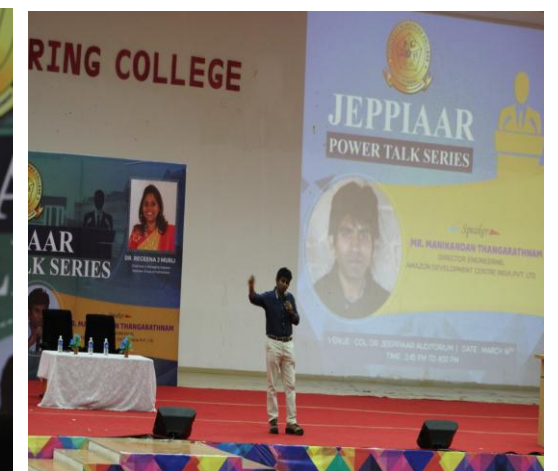
## WALKATHON 2018



Jeppiaar Engineering Chennai along with Jeppiaar SRR engineering, Padur organized a Walkathon. The Walkathon was done in order to create awareness on the Theme like “ Save Water, Protect Farmer , Agriculture” on 03-03-2018 at 6.00 am. All staffs and students completed the walkathon for 9 kms starting from Jeppiaar School, Semmencherry to Jeppiaar SRR Engineering College.



# JEPPIAAR POWER TALK SERIES



## NOBLE LAURENT DR KAILASH SATHYARTHI VISIT



Dr Kailash Sathyarthy visited the college and gave a special talk on Save Childhood on 14-09-2017.

## ALUMINI MEET' 17



Alumni meet was organized on 27-06-2017 for all the alumni of the Jeppiaar Engineering College at the college campus.

## JEPPIAAR ECSTACY 2K18



Jeppiaar Engineering College organizes Jeppiaar Ecstasy 2K18, a Inter-college sports and cultural mega event from March 26<sup>th</sup> -27<sup>th</sup> 2018.

## JEPPIAAR MUSEUM INAUGURATION

As a tribute to Our founder chairman a arty museum was inaugurated on 17-06-17 at Jeppiaar Engineering college



## AWARDS RECEIVED



A society for Educational & Entrepreneurship development has awarded Jeppiaar Engineering college as “ Best Institute to work -2017”,