



JAI SHRIRAM ENGINEERING COLLEGE
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by
NAAC)
Dharapuram Road, Avinashipalayam, Tirupur – 638 660.

ANNUAL REPORT – (2019-2020)

The classes for the second, third and final year students started on 1st June 2019 and for first year students it was started on 5th August 2019. This year, we followed 14 days contact period for every unit of syllabus coverage and a test immediately thereafter in the odd semester. Students took up their odd semester exams during November/December 2019 in which they had performed well and maintained our academic supremacy in Tirupur district by scoring highest pass percentage.

Even semester of this year started on 16th December 2019 with 14 days contact period per unit. The students were given ample opportunities to groom themselves towards personality development, communication development, and soft skills focusing on holistic development of students.

Infrastructure development in this academic year is done where ever necessary, with an investment of over 23 Lakhs, thanks to our management for the support rendered. Several laboratories were enhanced in this academic year, with an investment of about 2lakh rupees. All weather road and canal work are completed in our campus.

GOVERNING COUNCIL

We have re-organised our governing council by including experts from reputed educational organizations such as IIT – Madras, IIT – Delhi, IIT – Roorkee, Amrita University and industrial experts from Wheels India.

The Governing Council meeting had given several inputs for the working team to implement in view of its development. The college had initiated NBA approval process from this academic year. We had obtained best practices award from ICT Academy for our Self Direct Work Teams (SDWT) initiatives. In the alumni meet conducted in January 2020 more than 100 alumni had participated.

COLLEGE LIBRARY

College library is augmented with about 1500 books this year and at present it has a total volume of more than 27000 books in over 7200 titles. Apart from the existing volumes



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of 79 journals and 30 magazines, we have about 8TB of NPTEL materials to our library from IIT Madras. JSREC had also become a nodal center for NPTEL courses, students can appear for NPTEL courses through our college. Total investment for library is over Rupees 7.0 Lakhs this year.

VALUE ADDED COURSES

To equip our students on matching the ever-changing needs of industry, additional value added courses like Pro-E-Creo, ANSYS, ABAQUS, MS PROJECT, VASTHU and ESTIMATION, COMSOL, STADD-PRO, RIVET Architecture, Google Sketchup, 3DS Max, CADD, HTML and CSS, PHP and My SQL, Android, IoT, GCC, Embedded C, Aurdino programming, PLC programming, PCB design, E-Tabs, Application of research in social sciences, building drawing, Origin-pro, MATLAB, XLSTAT, STATA, PLAXIS, OPTUMG3 Field surveying, total station were conducted to our students. More than 700 students attended these courses and got immensely benefitted.

CLUBS/ASSOCIATIONS

Activities in this year focused on all dimensions with the motive of grooming students in overall perspective. To enable this, clubs and cells, all department associations and professional body activities like IEI, ACCI, and CSI are functioning in our institution.

The Clubs/Associations have organized more than 50 programmes so far in this academic year for the benefit of the students. Top officials and technical experts, motivational speakers and experienced faculties from renowned academic institutions have addressed and interacted with our students through these programmes. NSS club of our college have organized 2 Eye Camps and 1 blood donation camp with the cooperation of Vasan eye care hospital and VMP Hospitals Tirupur, in which many students and staff members donated more than 100 units of blood so far this year.

The Energy club of our college conducted One day technical seminar on “Energy conversion and energy efficiency” in which the Resource persons were Mr. Jayanth Senthil Kumar and Mr. K. Shankar of petroleum conservation Research Association, Southern region.



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The ECO Club of our college has conducted one day seminar on “Environment Conservation” for all first year UG and PG students.

The School of management studies have inaugurated Management Association 2k19 in which Mr. Godson Davis, Branch In-charge and Assistant Manager, HDFC Asset Management Company Limited, Tirupur and Mr. R.Natarajan, Proprietor, Kalpariksha Financial Services, Technical analyst, NSE Manipal Institute were the chief guests.

The overseas Education forum has conducted one day workshop on “You have the power to conserve energy” for the department of ECE, CSE and EEE students in which Dr. G.S. Ayyappan, Principal Scientist, CSIR-CSIO, Chennai was the main speaker.

Higher education forum has organized a lecture by Dr. G.S.Ayyappan, Senior scientist-CSIR and CSIO, Chennai on “Recent Developments and Innovations in CSIR-CSIO.

Women Development Cell of our college has organized a Guest Lecture by **Dr.Anduselvan, Researcher, Hull University** on “**Breast Cancer & Risks**”.

Career Guidance Programme by KEYS Inc was organized for Sem 5 & Sem 7 students of department of ECE, CSE, EEE, CIVIL, MECH and SEM 3 students of MBA department.

Jal Diwas Abhiyan – Painting and Poster Designing Competition was conducted by Fine Arts Club in the topic “Importance of Water”.

WORKSHOPS, FDP, TRAINING BY STAFFS

- A One day workshop on “pneumatics system” was organized by the department of mechanical engineering in which Mr.Ravikumar, Deputy Regional sales manager, SMC Corporation, Coimbatore was the resource person.
- Program logic controller (PLC) class was organized for ECE and EEE students, in which Mr. Shanmuga sundaram of Barani hydraulics Coimbatore was the resource person.



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- One day technical seminar on Big Data Analytics was organized by ECE department in which Smt. Goushalya Kothai Nchiyar from Bangalore was the resource person.
- Around 14 staffs from our college have visited Machine manufacturing exhibition titled “IMTEX – 2020 Expo”, which was held in Bangalore from 23-01-2020 to 25-01-2020.
- An Industrial visit was arranged to Rane brake lines Trichy for all the faculty members of our college in the month of December.
- Two days National level workshop was organized by the School of management studies on Multivariate Analysis using SPSS, in which Dr. V Krishnamoorthy, Associate Professor/ MBA department of Kongu Engineering College, Erode was the chief guest.
- A one day guest lecture on “statistics for Management” was organized by the School of management studies which was taken over by Dr. A Rajagopal, Professor, Indian Statistical Institute
- CSE department of our college has organized two days National Level Workshop on “Data Analytics Using R”
- The CEO of Made easy, HYDERABAD, Mr JITENDRA TIWARI has delivered career awareness program for all 5thsem and 7thsem students and have given excellent suggestions on the strategies to qualify the competitive exams like CIVIL SERVICE, GATE etc.
- The department of civil engineering has conducted a guest lecture on “Earth Sciences” in which Mr. Elayaraja Sellappan, Associate Professor. Civil department of PSG Institute of Technology, Coimbatore was the resource person.
- The department of ECE has organized one day workshop in the month of September 2019, on “Wireless sensor network Enabled Internet of Things” by resource persons- Mr.P.Sakthivel, M.E (Ph.D), GCT, Coimbatore and Mr.K.V.Karthick, Research Analyst , Rob labs, Vellore.



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- The school of management studies have organized a guest lecture on “Entrepreneurship as a career “in which Dr. K.Senthil Kumar, head of Entrepreneurship development, AIC-NIFTEA, Tirupur.
- The department of mechanical Engineering has organized a guest lecture on “Geometrical Dimensions and Tolerances” in which Mr.Er.S.Senniappan, CEO, Mech tech Engineering, Coimbatore was the Resource Person.
- The Department of ECE has conducted Three days- **Entrepreneurship Awareness Camp** sponsored by **DST-NIMAT, Mr.B.Yuva Prakash**, Managing Partner, People Craft Business Solutions, Coimbatore was the chief guest for the occasion.
- One day Seminar on “**Grooming with Recent Trends in IT Sector**” was organized by the Department of CSE, in which **Mr.Prasanth Ganesh**, Devops Team Lead & **Mr.Ajay, Partner** Advisor, RF PioInc, Coimbatore were the Resource persons.
- The department of Mechanical engineering organized a guest lecture on “**Recent trends in Renewable energy Resources**” handled by Shri. S.K. Shreenivas, Founder and Chief technical officer, KST Wind Engineering India Pvt Ltd.
- Two days workshop on “ Embedded IoT Workshop was organized by Man free Technologies Coimbatore for the students of department of EEE.
- Three days embedded programming workshop was organized by Mr Gobinath Arumugam, Embedded Training and Development, Xplore IT Core for the students of ECE Department.
- **Mr.Mohanamad avaselvan**, Aluminus -2013 batch ECE- Project Associate, ABB Technologies made an Interaction with S3 & S5 ECE students about “IT Industry in Karnataka ” in the month of aug 2019 which was very helpful for the students.
- **Mr.Sundaramoorthy, CEO**, Sundar Electronics Pvt Ltd delivered Hands-on-Session on “**Product Development and Engineering**” for 3rdsem, 5thsem&7thsem students of Department of ECE.



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- EEE department has organized one Day Workshop on “**Grid Connected and Standalone PV Solar Plant Design**” using PVSYST , in which the Resource Person was **Mr. S. Selvakumar, Power System Engineer, ABB Global Industries Ltd, Chennai.**
- EEE HoD, CSE HoD & ECE HoD has attended Key sight Academia Symposium Seminar covering “**Advancements in 5G and IoT Latest Trends in RF & Microwave world and Keysight Teaching Lab Solutions for Academia & Research**”, jointly organized by Keysight Technologies & Elmack Engg Services at Coimbatore.
- Industry Training and Consultancy work were performed in Barani Hydraulics by Dr.S.Megala Devi , Department of Management studies.
- The Director (R&D) and HoD ‘s of all departments have visited CODISSIA National Science & Technology Fair 2019, Coimbatore, along with Five students and one Faculty from each department in the month of August 2019.
- A MoU was signed with **ICT Academy & CSS Corp** from 08.07.2019 to 22.07.2019 for 50 students from CSE & ECE departments on Network, Artificial Intelligence and Soft Skills. The Chief Guests were **Mr.Venkatesh, Deputy General Manager- Quality & Audit ICT Academy, Mr.BalaPasath , Associate Director-CSS Corp, Mr.Robert Kingsley Soman, Engineer – CSS Corp.**
- Another MoU was inked with **CADD Centre in the month of August in which Mr. K. S. Dinesh, Regional Manager, CADD Centre** were the chief guest.

Teaching staffs of our institution have attended several faculty development programmes both in-campus and in other institutions of repute. Almost all of our staff had attended faculty development programmes outside the college including trainings and internships in industries like Barani Hydraulics, Sharp pumps, super springs, RA fax, Surfine tools, Wheels India, Prime Bio medical systems, Sanjeevi products, Yuken India, Super Auto Forge etc. Our staff had published more than 50 papers in reputed international and national journals this year.



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SYMPOSIUM

A National level technical symposium was conducted in our college this year in which more than 100 papers had been received by the various departments. Shri. V.Manokaran Retd. Senior Additional Director, Industrial Safety and Health, Govt of Tamil Nadu, Chennai was the resource person. The symposium was well organized by the team of our staffs and students. School of management studies had organized an inter collegiate management meet in which more than 100 students participated from 25 other institutions.

STUDENT DETAILS- JOURNALS, INDUSTRIAL TRAINING

For our first year students an Industrial visit to Hi- Tech Park and Book fair, Palladam, was conducted. All the 2ND year, 3rd year and final students visited M/s Festo Mobile Expotainer, Coimbatore in which the various latest Pneumatic technologies on Automation were exhibited.

An industrial visit was arranged for the students of Department of EEE to Sri Rangavilas G.S. & W. Mills and Hindustan Heavy Electricals Pvt.Ltd Coimbatore.

The students of department of Mechanical students were taken to Vardhman yarns and threads Ltd. Perundurai, KPM Processors and ATAL incubation centre, Tirupur, KM spinning mills, Avinashpalayam and HITECH- Palladam, for industrial visits.

The Tamil Nadu pollution board and the department of school education have organized a one day workshop on E- waste management in our campus in which Mr. R Ramesh, chief Education officer, Tirupur and Smti. Nalini, District Pollution Board officer, Trichy were the chief guests.

Our students of various departments have been visiting many industries related to their field every semester. In this academic year the students of EEE department visited Mas-Solar Power Station, Coimbatore, the 3rdsem and 5thsem students of ECE department visited Sunshiv Electronics and Sabari Health Care Systems, Coimbatore, for their subject awareness and academic upgradation. The 3rdsem students of Mechanical department visited Barani Ferrocast for field training.



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Alumni **Mr. Manoj** made an interaction with 3rdsem students of Department of CIVIL Engineering about Google Sketch up and 3D Modeling techniques.

Mr. Rajesh Adiga, Operational Manager, ALSTOM, Bangalore made an Online Interaction with 7thsem students of department of Mechanical engineering.

A telecast was made by Pudhuyugam TV about the Institute features.

Our students actively involve themselves in proving their abilities outside our institution also, by the way of presenting papers, participating in various competitions etc., in total, in this year alone, 342 papers have published by our students in various platforms like journals and conferences of international importance. Our students attended workshops, seminars, conference and symposiums outside our institution. Through SDWT program 18 first prizes, best papers award, 300 participation certificates were received from various colleges within last one month. Our students had received 18 prizes/Best paper award continuously.

SKILL INDIA

This year our college was given the privilege of organizing District level Skill India Competition. Various competitions like Electric Installation, Brick laying, Water technology, painting and decoration were conducted in the month of January 2020, in which the our college students and the students from various colleges of our district had participated effectively. The winners of various events of the District level Skill India Competition received certificates from the District Collector in the Collectorate, Tirupur.

PLACEMENT

A total of 221 offers had been given to our students in 62 companies so far this year. Around 150 students of various departments got placed already this year. 11 of our students had bagged triple offers, 23 with dual offers and the remaining with single offers. Our college has organized fivemega placement pool drives in which around 300 students from 22 colleges participated.



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Our college has also organized Industry 2.0 in which the HR's of 8 companies were invited. They had a wonderful interaction with our college students which was very helpful for our students and it turned out to be a huge success.

In this academic year the highest salary package is Rs.4 lakh offered by CTS, Followed by INFOSYS offering Rs.3.60 lakh and 3.5 lakhs by WIPRO and HCL.

The department of Training and Placement organized HR Conclave YOU 2.0 in our campus in the month of December 2019 in which Mr. Periasamy Subramanian, Chief Executive Officer, Atal incubation center, Govt. of India, NIFT TEA Apparel and Knitwear division was the chief guest and Shri T. R Vijaykumar, secretary, Tirupur Exporters Association was the guest of honor. About 7 eminent personalities from HR Domain interacted with the students and this event turned out to be huge success and was very helpful for our students.

To take part in internship activities, our 2nd and 3rd year students have registered themselves in Internshala.

CIVIL DEPARTMENT CONSULTANCY

The department of Civil Engineering has done a consultancy for many industries with the support of Barani Hydraulics India Private Ltd., Coimbatore. More than 100 consultancy and testing services were done by the department of civil engineering in this year worth around 1.2 lakhs.

FUNDING PROPOSAL AICTE

Around 8 online and offline AICTE funding proposals were sent amounting to around 1 crore 80 lakhs.

FUNDING PROPOSAL TNSTC

109 funding proposal were sent to various funding agencies this year by our staff. One proposal is sanctioned for Rs.40,000 by ICMR to organize a national level seminar. TNSTC had sanctioned Rs.10,000 as project funding for MBA department, and Rs. 7000 for the Department of Civil Engineering.



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In association with Kingmakers IAS academy Chennai we had started Jay Shriram IAS Academy to train our students for competitive exams in which 101 students registered and taking their training.

In view of enhancing green cover over 2000 seed balls were distributed to our students and I am sure that this effort will continue.

SEMINAR HALL

The National council for science and Technology Communications, organized 27th National Children's science congress 2019 in our campus in which over 200 students from various schools participated and displayed their project works. Our 1st year faculty members acted as the jury members and selected the best projects. The students whose projects were selected, were to participated in the state level project contest at Vellore.

We have provided our Seminar hall for various meeting of local bodies like the Government school Head masters meet organized by the CEO Tirupur in which About 350 Headmasters of in and around Tirupur participated, Food safety officers and Health inspectors meet organized by Joint Director -Health services in which about 450 Nurses and Staffs participated, Government school teachers meet on Exam Hall Inspection related matters, organized by the DEO office Palladam in which about 300 Teachers of participated.

Our students are encouraged to start-up their own enterprise. Entrepreneurship development cell is encouraging and guiding students in association with EDI Chennai, DIC Tirupur, NEN and guiding them to become an entrepreneur.