



*Sri*  
**SAI RAM**  
**INSTITUTE OF TECHNOLOGY**

( An ISO 9001 : 2008 Certified Institution )  
Sai Leo Nagar, West Tambaram, Chennai-44

**INTERNAL QUALITY ASSURANCE CELL  
REPORT  
2016 - 2017**





## Internal Quality Assurance Cell (IQAC)

The main duty of the IQAC is to create and develop a quality system for consistent and continuous improvement in the overall performance of institution and achieve the holistic academic excellence

Main functions of the IQAC are

- To develop quality benchmarks for the institution
- To create awareness on the quality aspects of the institution
- Organisation and promotion of quality circle inside the institution
- Periodic recording and monitoring of quality measures of the institution
- Acting as a nodal agency for quality related activities.
- Documentation of all the quality related activities of the institution.

SSIT-Internal Quality Assurance Cell (IQAC), initiate, plan and supervise various activities that are necessary to improve the quality of the education imparted in the institution by maintaining quality standards in teaching, learning and evaluation. SSIT-IQAC, acting as a nodal agency, has developed, organized, monitored and documented the various Quality promotions of the institution.



## Events at a glance...

- Department of Mechanical Engineering organized a one week Faculty Development Training Program (FDTP) on Kinematics of Machinery approved by Anna University Chennai from 15th December 2016 to 22nd December 2016.
- Department of Mechanical Engineering Organized a Guest Lecture on “Geometric Dimensioning and Tollerancing for Mechanical Design” by Mr. Praven Kumar K, Lead Design Engineer, Axis Cadded Engineering Technologies, ELNET Software City, Taramani, Chennai, on 5th July 2016.
- Department of Civil Engineering organized a Two Day Workshop on “Smart Materials and Smart Structures” on 1st & 2nd of August 2016.
- Department of Civil Engineering arranged an Industrial Visit for Second year students to Poondi Reservoir (Institute of Hydraulics & Hydrology) located at Tiruvallur District on 2nd August 2016.
- Department of CSE & IT in association with Computer Society of India had organized a Four day workshop on “Mobile Application Development” from 1st March 2017 to 4th March 2017 by Mr. Arun Kumar (Wipro Technologies) and Mr. Amalorpa Valraj (HCL Technologies).
- Department of CSE Conducted a Workshop on “Java Frameworks” by Mr. Santhosh Kumar, Technology Analyst, Infosys, Chennai, from 4th August 2016 to 5th August 2016.
- Department of Information Technology organized a Guest Lecture on “Knowledge Representation Using Predicate Calculus and Knowledge Inference” in Artificial Intelligence by Dr. Nalini Priya, Professor, Saveetha Engineering College, Chennai, on 7th March 2017.
- Department of CSE & IT conducted a Faculty Development Program and Students workshop on “HADOOP” by Mr. V Benhar Charles, Trainer-Ictact, Chennai, in association with CSI from 22nd August 2016 to 26th August 2016.
- Department of EEE organized a Guest Lecture on Electromagnetic Waves by Dr. S. Srinath, Associate Professor, Vellamal Engineering College, Chennai, on 19th September 2016.
- Department of EEE organized a Guest Lecture on Smart Grid Protection Solution by Dr. K. N. Dinesh Babu, Lead Application Engineer, Megger, Chennai, on 8th August 2016.
- Department of ECE organized 8th National Level Symposium Praestantia'16 on 24th August 2016. The Event was inaugurated by Mr. A. Kaviyarasu, Executive Member & Technical Advisor, South India Amateur Radio Society, Chennai.
- Department of Science and Humanities organized a Guest Lecture on Maths 'WHY ENGINEERS NEED MATHEMATICS' on 7th March 2017 by Dr. R. Sivaraman, Professor, Department of Mathematics, D.G. Vaishnav Arts and Science College, Chennai.
- On 17th September 2016, our cadets were a part of the coastal cleanup program organized by Indian Naval Forces joined with all units of NCC. They cleaned the shores of Marina Beach and segregated the plastics and other toxins from bio degradable wastes.
- Cadets attended National Seminar on Role of Youth in Nation Building on 13th March 2017.
- NSS conducted a Blood Donation Camp for students and staffs of 'Sri Sai Ram Institute of Technology' on 6th February 2017 at our college. Totally they collected about 615 units of blood.

# Department Activities

Under the guidance and initiative of IQAC the following activities and events were organized

## Department of Electrical & Electronics Engineering

- Department of EEE organized a Guest Lecture on “RECENT TRENDS IN SOLID STATE DRIVES” on 14th March 2017 by Dr. G. Ezhilarasan, Professor, Department of EEE, Saveetha University, Chennai.
- Department of EEE organized a Guest Lecture on Electromagnetic Waves by Dr.S.Srinath, Associate Professor, Vellamal Engineering College, Chennai, on 19th September 2016.
- Department of EEE organized a Guest Lecture on Design of Substation and Insulation Co-ordination by Mr. D. Udhayakumar, Design Engineer, ABB Global Industries and Services Ltd, Chennai, on 31st August 2016.
- Department of EEE organized 8th National Level Technical Symposium “WARROS '16” on 19th August 2016 inaugurated by Dr. Gabriel Germans, Former Chief Executive/TNEB.



## Department of Electronics & Communication Engineering

- Department of ECE organized 8th National Level Symposium Praestantia'16 on 24th August 2016. The Event was inaugurated by Mr.A.Kaviyarasu, Executive Member & Technical Advisor, South India Amateur Radio Society, Chennai.
- Narendra Santhosh of III yr ECE had won the first prize in INNOTHAN 2017 at New Delhi, with a cash prize of Rupees 1 Lakh.
- Department of ECE organized a Two day workshop on “INTELLECTUAL PROPERTY RIGHTS AND INNOVATION” sponsored by IEI from 9th March 2017 to 10th March 2017. It was inaugurated by Dr. M Kantha Babu, Director, Center for Intellectual Property Rights, Anna University, Chennai.



# Department Activities

## Department of Computer Science & Engineering

- Department of CSE in association with the Institution of Engineers (India) organized a Guest Lecture on Human Computer Interaction on 06th March 2017.
- Department of CSE & IT in association with Computer Society of India had organized a Four day workshop on “Mobile Application Development” from 1st March 2017 to 4th March 2017 by Mr. Arun Kumar (Wipro Technologies) and Mr. Amalorpa Valraj (HCL Technologies) .
- Department of CSE organized “Sintacs16”, 8th National Level Technical Symposium on 9th August 2016.
- Department of CSE Conducted a Workshop on “Java Frameworks” by Mr. Santhosh Kumar, Technology Analyst, Infosys, Chennai, from 4th August 2016 to 5th August 2016
- Department of CSE in association with Computer Society of India had organized a Guest Lecture on “Computer Networks” on 17th February 2017.
- Department of CSE in association with the Institution of Engineers had organized a Guest Lecture on Digital Signal Processing on 27th February 2017.



## Department of Management Studies

- Second year MBA students visited “COCO COLA, Chennai” during the month of September 2016.
- Aarthi, Nivetha and Claudia Vino – Students of Second Year MBA received Rs 25,000 each, on 8th February 2017 from Mahindra Finance.
- A seminar was conducted on “Career Opportunities in Financial Management”, by Mr. Jeyaprakash, Director, Mcube Academy of Skill Development, Chennai, on 22nd September 2016.
- A Seminar was conducted on “Self Management” by Mr. N.J. Lakshmi Narayanan, Executive Director, Build HR, Management Consultants, Chennai, on 23rd September 2016.
- Department of MBA organized a seminar on “Career in Financial Management” on 22nd February 2017 by Nitin Tike – Senior Vice President - National Institute of Financial Market, Mumbai.
- A one week Certification Course on “Stock Dealership & Broking” in association with NSE held on 1st February 2017 to 8th February 2017.
- A seminar on “INFRASTRUCTURE AND REAL ESTATE MARKETING STRATEGY” was held on 2nd March 2017.



# Department Activities

## Department of Mechanical Engineering

- Department of Mechanical Engineering organized a one week Faculty Development Training Program (FDTP) on Kinematics of Machinery approved by Anna University Chennai from 15th December 2016 to 22nd December 2016.
- Department of Mechanical Engineering organized Six Week full-time training programme, Technology-Based Entrepreneurship Development Program (TEDP) on “CNC MACHINING TECHNOLOGY AND PRACTICES FOR AUTOMOBILE PART MANUFACTURING” sponsored by DST NIMAT, EDI- INDIA, Govt. of India, from 5th September 2016 to 15th October 2016.
- Department of Mechanical Organized “MESSI16”, 5th National Level Technical Symposium on 23rd August 2016.
- Department of Mechanical Engineering Organized a Guest Lecture on “Geometric Dimensioning and Tollerancing for Mechanical Design” by Mr. Praven Kumar K, Lead Design Engineer, Axis Caded Engineering Technologies, ELNET Software City, Taramani, Chennai, on 5th July 2016.
- Department of Mechanical Engineering organized a “Workshop on Autodesk Inventor” With Autodesk Pvt. Ltd. on Dec 2016.
- Mechanical Students Participated In SAE Baja Car Race At Indore.
- Mechanical Students Participated In SAE Supra At Noida.
- Department of Mechanical Engineering arranged an Industrial Visit for Third year Mechanical Students at Diamond Engineering Private Ltd on 12th November 2016.



## Department of Information Technology



- Department of Information Technology organized a Guest Lecture on “Knowledge Representation Using Predicate Calculus and Knowledge Inference” in Artificial Intelligence by Dr. Nalini Priya, Professor, Saveetha Engineering College, Chennai, on 7th March 2017.
- Department of Information Technology organized a Guest Lecture on “Mathematical Analysis of Recursive and Non-Recursive Algorithms” on 20th February 2017.
- Department of Information Technology organized the National Level Technical Symposium “Dreadnought16” on 22nd August, 2016.
- Department of Information Technology organized a Guest Lecture on “CLOUD COMPUTING” on 28th July 2016 by Mr. J. Michael Moses Liguio, Solution Architect, DMX Technologies.
- Department of Information Technology conducted a three day “ENTREPRENEURSHIP AWARENESS CAMP” by Thiru. Venkatesh Balasubramanian, Founder & Chief Connector, Compunet Connections, Chennai, from 3rd August 2016 to 5th August 2016.
- Department of CSE & IT conducted a Faculty Development Program and Students workshop on “HADOOP” by Mr. V Benhar Charles, Trainer-Ictact, Chennai, in association with CSI from 22nd August 2016 to 26th August 2016.
- Department of Information Technology organized a Guest Lecture on “PATTERN MATCHING AND VISUALIZATION”, by Prof. Rabindra Kumar Singh, Asst. Prof, School of Computer Science and Engineering, VIT University, Chennai, on 1st March 2017.
- Department of CSE & IT conducted a Faculty Development Program and Students workshop on “HADOOP” by Mr. V Benhar Charles, Trainer-Ictact, Chennai, in association with CSI from 22nd August 2016 to 26th August 2016.
- Department of Information Technology organized a Guest Lecture on “PATTERN MATCHING AND VISUALIZATION”, by Prof. Rabindra Kumar Singh, Asst. Prof, School of Computer Science and Engineering, VIT University, Chennai, on 1st March 2017.

# Department Activities

## Department of Science and Humanities

- 'Department of Science and Humanities organized 9th National Level Technical Symposium "SIT SCIHUM 17" on 24th February 2017.
- The function was inaugurated and addressed by Mr. M. Baskaran, Media and Marketing, Anchor in DD PODHIGAI, Associated with CRY and BANYAN. Students from various colleges participated in various events like: Paper Presentation, Poster Presentation, Quiz etc. The Valedictory address was given by Dr. Mangala Sunder Krishna, Department of Chemistry, IIT MADRAS.
- Department of Mathematics organized a Guest Lecture 'WHY ENGINEERS NEED MATHEMATICS' on 7th March 2017 by Dr. R. Sivaraman, Professor, Department of Mathematics, D.G. Vaishnav Arts and Science College, Chennai.
- Department of English organized a Guest Lecture on 'Are Soft-skills Key To Employability?'' on 19th October 2016 by Dr. S. Patchainayagi, Asst. Prof., School of Social Sciences and Languages, VIT, Chennai Campus.
- Department of Chemistry organized a One day National level workshop on "ADVANCEMENT IN CHEMICAL SCIENCES" on 18th July 2016. The Workshop was inaugurated by Dr. K. PANDIAN, Associate Professor, University of Madras and the valedictory address was given by Dr. K. Shanthi, Professor, Anna University, Chennai.
- Department of Physics organized a Guest Lecture on "Dielectric Materials" by Dr. R. Murugaraj, Asst. Prof., Department of Physics, MIT, CHENNAI, on 22nd February 2017.
- Department of Physics conducted a two day Nation level workshop on "REVEALING THE ADVANCES IN MATERIAL SCIENCE" from 19th July 2016 to 20th July 2016. The workshop was inaugurated by Dr. R. Jayavel, Professor and Director, Center of Research, Anna University, Chennai. The valedictory address was given by Dr. M. N. Ponnuswamy, Department of Bio-Physics, University of Madras, Chennai.
- Department of Science and Humanities organized a Two Week workshop on "FACULTY DEVELOPMENT PROGRAM ON ENTREPRENEURSHIP DEVELOPMENT", sponsored by DST- NSTEDB, EDI, GUJARAT, GOVT. OF INDIA, from 15th December 2016 to 28th December 2016. The Workshop was inaugurated by Dr. L. Mahesh Kumar, CEO, TBI, St. Peter's University, Chennai.





## Department of Civil Engineering

- Department of Civil Engineering organized 3rd National Level Technical Symposium “SHRISHTI16” on 18th August, 2016
- Department of Civil Engineering organized a Two Day Workshop on “Smart Materials and Smart Structures” on 1st & 2nd of August 2016.
- Department of Civil Engineering organized a One day Workshop on “Monitoring Environmental Pollution” on 28th February 2017.
- Department of Civil Engineering arranged an Industrial Visit for Final year students to Ramanujan IT city (URC Constructions) located at Thiruvannamiyur, Chennai on 04th August 2016
- Department of Civil Engineering arranged an Industrial Visit for Second year students to Poondi Reservoir (Institute of Hydraulics & Hydrology) located at Tiruvallur District on 2nd August 2016.



## INNOVATION & ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

- Organizing Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the institution for the benefit of Students.
- Initiating innovative student projects each year for new innovative product development.
- Organizing Business Plan Competitions every year.
- Guiding and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc.
- Arranging interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs companies like: TCS, ZOHO, WIPRO, L&T, Ethnus, Qspiders, Sutherland etc.

## TRAINING AND PLACEMENT CELL ACTIVITIES

Many of our Final year students got placed in Leading MNC's. 89.50% of our students got placed in the academic year 2015 – 2016. Out of 610 students 503 students got placed in various companies like: TCS, ZOHO, WIPRO, L&T, Ethnus, Qspiders, Sutherland etc.

# Department Activities

## DEPARTMENT OF PHYSICAL EDUCATION

Sports day was held on 17th March 2017 at our college campus. Mr.Sathish, Trustee and Co-ordinator inaugurated the Sport's Day Event. Mr.V. Chandrasekar, Group Captain, Indian Air Force, Air Force Station, Tambaram, gave away the Valedictory address and distributed the prizes to all the winners.

- Badminton – Men team secured Gold medal in Anna University Zone IV tournaments.
- Table Tennis -Women team secured Gold medal in Anna University Zone IV tournaments.
- Tennis -Men Team secured Gold Medal in Anna University Zone IV tournaments.
- Basketball - Men team secured Silver medal in Anna University Zone IV tournaments.
- Our college Women Tennikoit team secured Silver Medal in Intra Trust Competition.
- Our college Men Cricket team secured Gold Medal in Intra Trust Competition.
- Our college Men Tennis team secured Bronze medal in SA Trophy Competition held at SA Engineering. College, Chennai.
- Our college Men Basketball team won winner in DCE Trophy Competition held at Dhanalakshmi College of Engineering, Chennai.



# 9th Induction Day Programme

for first year students was conducted on 21st July 2016.



# Project Expo

Project Expo 2017 was organized on 22nd March 2017. The Exhibition was inaugurated and addressed by Mr. Rajaraman, I A S, Principal Secretary/Director, EDI, Chennai. The Judges selected the best Projects from each Department.



We build a better nation  
through quality education.

## National Service Scheme (NSS)

- NSS conducted a Blood Donation Camp for students and staffs of 'Sri Sai Ram Institute of Technology' on 6th February 2017 at our college. Totally they collected about 615 units of blood.
- NSS students of our college conducted cashless program by providing Electronic Data Capture (EDC) machine to shopkeepers at Mudichur and Somangalam villages on 24th January 2017.
- NSS students of SSIT conducted a program for removing Seemai Karuvelam (Prosopis Juliflora) which are shrubs that absorbs water causing water scarcity. The program was conducted at poonthandalam and pazhanthandalam village on 17th March 2017.



## National Cadet Corps



- On 19th August 2016, NCC cadets organized a Swachh Bharat Abhiyan and cleaned the campus as a part of the program, went to each and every class and induced the awareness on a clean environment.
- Boy cadets went on a rally to local petty shops and taught them the usage of Digital Swiping Machines.
- On 17th September 2016, our cadets were a part of the coastal cleanup program organized by Indian Naval Forces joined with all units of NCC. They cleaned the shores of Marina Beach and segregated the plastics and other toxins from bio degradable wastes.
- Combined Annual Training Camp attended by boy cadets at Vellore from 23rd December 2016 to 1st January 2017.
- Combined Annual Training Camp attended by girl cadets at Dhanalakshmi College of Engineering, Chennai from 17th January 2017 to 27th January 2017.
- Cadets participated in Weapon Training at Madras Medical College from 8th February 2017 to 9th February 2017.
- Cadets attended National Seminar on Role of Youth in Nation Building on 13th March 2017.

Editor in Chief

**Dr. K. Palanikumar**  
Principal

**IQAC**