St. Joseph's College of Engineering
St. Joseph's Group of Institutions
OMR, Chennai – 119.

DEPARTMENTWISE MONTHLY ACTIVITY REPORT-SEPTEMBER 2019

DEPARTMENT OF BIOTECHNOLOGY

Sl. No.	Photographs Captured During Events	Remarks
1.		On behalf of Biotech Research Society (BRSI) we have organized guest lecture for our UG & PG students. **Resource Person : Dr. S. N. Jaisankar** Sr. Principal Scientist Polymer Science & Technology Division CSIR - Central Leather Research Institute, Chennai **No. of Participants :** 190 (UG & PG Students) **Venue :** A.V. Hall, Central Library. **Date :** 17.09.2019 **Time :** 11:00 a.m - 12:30 p.m

Sl. No.	Photographs Captured During Events	Remarks
	Inaugral session of the Guest Lecture *Technical Presentation by Dr. S. N. Jaisankar*	**Objectives :** ☐ To educate the use of polymeric material and its nanocomposites for dental filling and other applications. ☐ Composites used for filling teeth are generally made of silica or glass particles bound with a polymer resin. The polymers that are used as the resin in composites for fillings are based on a monomer called methacrylic acid. ☐ The various research options and outcomes have been discussed for its usefulness and limitations. A special focus was given on development of a nanocomposite that can be used not only as a filling for the cavity, but also can kill any remaining bacteria in the tooth and regenerate that tooth's structure that had been lost due to the decay
2.	**INTER-COLLEGEATE SYMPOSIUM** **CUROX 2019**	**INTER-COLLEGEATE SYMPOSIUM** ☐ On behalf of Biotech Research Society (BRSI) we have organized National level technical symposium, CUROX 2019. ☐ The **CUROX 2019**, National level technical symposium was conducted for the students on **14.09.2019**. The event brought together **around 83 participants** from **13 colleges** including Science, Engineering and Medicine

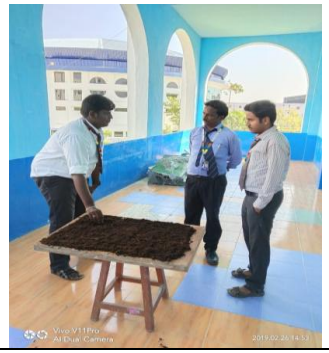
Sl. No.	Photographs Captured During Events	Remarks
	 Student Organizers of Symposium Events 	stream. There were 5 events conducted ☐BIO-HACKATHON (Creative presentations for specific problem solving): This event is to tap the problem solving ability and innovative skills of potential biotechnologists. ☐ BRAINAHOLICS (Quiz): This event is like bring your grey cells and get ready for a roller coaster ride in to the world of Quiz ☐ X-FILES (Forensic Investigation): This event is to let out your detective attunement by solving puzzles and hunting for the solutions to destroy the threat caused by the strange creatures. ☐ SCIWHY (Mental and Physical Task): It is an event aimed to test how skillfully you can employ body and brain to accomplish the goal. ☐ BIO WIZ (wizard themed event):It is a fun filled technical event based on a popular movie series ☐ Each event in the symposium was awarded with cash prizes. Rs. 3000 was given to First Prize, Rs. 2000 was given to Second Prize and Rs. 1000 for Third Prize with total prize money to be **Rs. 30000.** ☐ The symposium provided a valuable opportunity and has set the stage for the students to participate and explore their talents on the day of symposium. This symposium also made our own students to be organized in an imperative order to keep track of everything that needs to be done before, during, and after the symposium day. potential biotechnologists.

Sl. No.	Photographs Captured During Events	Remarks
	 Display of Working Models	☐ BRAINAHOLICS (Quiz): This event is like bring your grey cells and get ready for a roller coaster ride in to the world of Quiz

DEPARTMENT OF CIVIL ENGINEERING

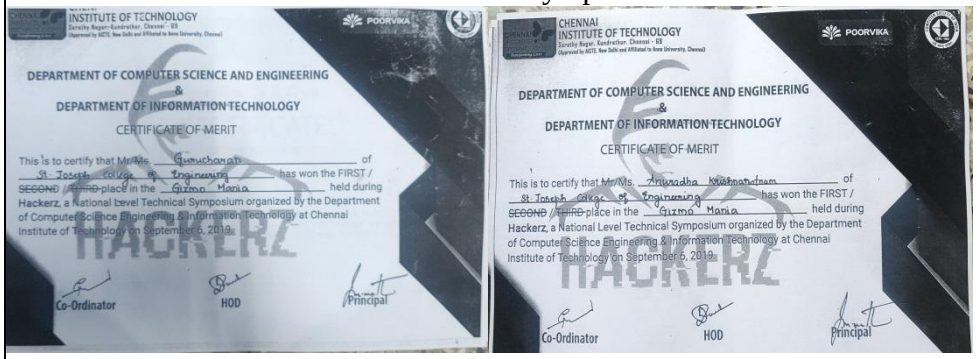
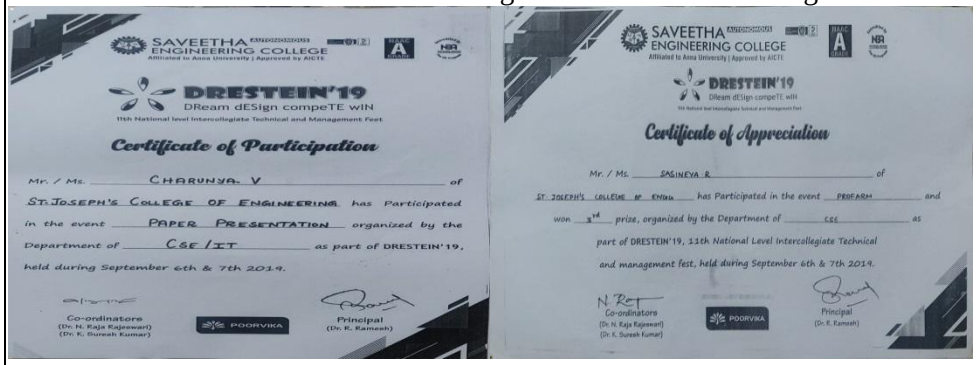
Sl. No.	Photographs Captured During Events	Remarks
1.	**Industrial Visit** II Year Civil Students visited Salem Mines RMC plant on 16.07.2019	The aim of the industrial visit is to provide an exposure to students about practical working environment in the field of Civil Engineering. This industrial visit provides students a good opportunity to gain full awareness about industrial practices also it attains the curriculum gap between theory and Industrial practice. Students from Civil department visited companies like **Salem Mines RMC Plant, Sewage Treatment Plant CMWSSB and Poondi Reservoir** during the month of July, August 2019.

Sl. No.	Photographs Captured During Events	Remarks
	 III Year Civil Students visited Sewage Treatment Plant at Kodungaiyur on 23.07.2019 IV year Civil Students visited Poondi Reserviour on 04.07.2019	

Sl. No.	Photographs Captured During Events	Remarks
2.	**National Level Technical Symposium:** Lightning Of Kuthuvilaku during Inaugration Event Name: Poke Ur Brain Certificate and Cash Prize Distribution	Department of Civil Engineering organized a National level Technical Symposium ***RECONIN 2K19*** on 14.09.2019. Events like ***Poke Ur Brain*** (***Technical Quiz), Connexions, Vision Quest, Envision and Decryption*** wereOrganized. 150 Participants from more than 21 colleges participated in the events. Winners were awarded with cash Prize. A total prize amount of **Rs. 30,000/-**was given to the winners of various events.
3.	 Student Project- Shortlisted for Final Presentation of Innovative Student Projects Award 2019 at Bachelor Level 	A Final Year Student Project is Shortlisted for Final Presentation of **Innovative Student Projects Award 2019** at Bachelor Level which is held at **Indian National Science Academy, Bahadur Shah ZafarMarg, New Delhi**on Aug 27, 2019

Sl. No.	Photographs Captured During Events	Remarks
4.	**National level Technical Symposium –Event Winners** 	Department of Civil Engineering of SRI SAIRAM Engineering College organized a National level Technical Symposium on 13.09.2019. Event named “BOB THE BUILDER” was organized and the students from III & IV year of St. Joseph’s College of Engineering won 1st place and were awarded with cash Prize ofRs. 10,000/

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	Hackerz – A National Level Technical Symposium 	Hackerz – A National Level Technical Symposium jointly organized by Department of Computer Science and Engineering & Department of Information Technology of **Chennai Institute of Technology** on 6th September 2019 with various events. Our department student Mr. Gurucharan from 2nd year and Ms. AnuradhaKrisnarathnam from 3rd year were participated the event Guess Pro and they won the **first place** and also Mr. S. Balaji from 2nd year and Ms. Aarthi Shree from 3rd year won the **second place** for the same event
2.	Drestein'19 – A National Level Intercollegiate Technical and Management Fest 	Drestein'19 – A National Level Intercollegiate Technical and Management Fest jointly organized by Department of Computer Science and Engineering & Department of Information Technology of **Saveetha Engineering College**, Chennai during 6th and 7th September 2019. Our department student Ms.V.Charunya and Ms.R.Archana from 2nd year presented a technical paper. Ms.B.Sruthilaya and Ms.R.Sasineya from 2nd year participated the event profarm and they won the **3rd place**. Also Ms.R.Sasineya and Mr.RickRemegious from 2nd year won the **first place** for the event Guss Pro.
3.	AaruushHacksummit – A 36 hour Hackathon	Mr. Haniel Edward Jacob, Mr. Ajaykumar S.N and Mr. AshwinKumar U, the II year students of Computer Science and Engineering, were participated the event " AaruushHacksummit" – a thirty six hour **National level Hackathon under smart City Category organized by SRM Institute of Science and**

Sl. No.	Photographs Captured During Events	Remarks
		Technology, Kattankulathur, Kancheepuram District, Tamil Nadu during 31st August 2019 and 1st September 2019. They developed a system "Mark Me" – the most intelligent attendance system, A complete all-in-one attendance solution with flexibility to customize attendance with QR scanning, Also comes with an EASY TO USE DASHBOARD that gives attendance insights, proxy or counterfeit attendance list and and won the **first prize**. The total of 96 teams was participated in the event and in the smart cities category forty five teams. Among the 96 team they are in fifth ranking and in the specific category placed in first ranking.
4.	CRYPTRIX 2019 –Our Dep. National Level Technical Symposium	It is a practice to organize a national level technical symposium every year during the month of September with the aim to build the interpersonal skill and leadership skill of the students of the college. This is a platform to test the talents of the students of Engineering colleges. This year also we have organized the symposium under the banner of Kernel 2k19 with the name of **CRYPTRIX 2019 by our department of Computer Science and Engineering** on 21.09.2019. This year too there is a huge response from the student throughout the nation. Around 25 colleges with the total of 126 students which includes the leading professional colleges and University students were participated in the symposium. There were five events organized namely bind & blind, break the enigma, code quest, scrapyard wars and mysterio. All the events were conducted in two rounds namely prelims and final to identify the winners and runners up of the events. The students are requested to register their name through online

Sl. No.	Photographs Captured During Events	Remarks
		and also we had a spot registration. More than forty teams were registered in all the events. The symposium was started with the traditional way and end up with the prize distribution. All the students are participated with full involvement and the events were conducted by the students of our department with the coordination of faculty members. Also there is a project expo programme has been arranged, the project developed by the department students were displayed in the expo and all the projects were very impressive and needed in the society. All the events with a cash prize of Rs. 6000/- spread as Rs. 3000/- for first prize, Rs. 2000/- for second prize and Rs. 1000/- for third prize with the total prize amount of Rs. 31,000/-
5.	Singapore – India Hackathon 2019	Mr. Daniel David, the III year students of Computer Science and Engineering have been short listed for the Singapore – India Hackathon 2019. He is one among the short listed student out of

Sl. No.	Photographs Captured During Events	Remarks
		60 students throughout India. The Hackathon event was organized by Indian Institute of Technology, Madras during 28th to 30th September 2019. He was shortlisted based on his success in SMART INDIA HACKATHON 2019. With the success of Smart India Hackathon, he has been nominated to participate Singapore – India Hackathon 2019 by a rigorous screening process of an online test, where 735 students participated, out of which he is one among the 235 students screened for personal interview conducted by members of the AICTE and finally, he is one among the 60 students were shortlisted for the international Hackathon event
6.	HACKINFINITY 2.0 – A 24 hour Hackathon	The annual edition of the prestigious HACKINFINITY 2.0 was conducted in September earlier this year. A total of 25 teams made of 3 members each were shortlisted for the grand finale at **SSN College of Engineering** to battle it out in a 24 hour Hackathon. Several engineering students from across the state of Tamil Nadu presented their solutions to several real world problems employing technologies like AI, Blockchain, Cloud computing , Iot just to name a few. Ms. Praveena K, Ms. Hazel Bianca P and Ms. Karvizhi G of 3rd year Computer Science and Engineering were participated the event. They developed a system named "DRIVELERT - Real Time Driver Distraction And Drowsiness Detection" and they won **first place with the cash prize of Rs.12,000/-** (Rupees twelve thousand). Another team named as "A-Team" from the same year emerged as the runners up with their innovation in the field of blockchain. Their solution consisted of a sophisticated software model that acts as an online prescription service that enables efficient tracking of medical inventory for pharmaceutical companies, provides users with updated medical history records and using blockchain technology, prevents the illegal misuse of prescriptions and sale of drugs in the black market. They developed their application

Sl. No.	Photographs Captured During Events	Remarks
		using python, electron js ,reactjs , Dialogflow and Android studio. The teams were judged by industry professionals from Virtusa and Saama. The members of "THE A-TEAM" were won **second prize with a cash prize of Rs.8000** and internship opportunities with Saama

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	**Pic .Students receiving Winning Certificate in YOUTH TALK 2019 Competition**	Students of Electrical and Electronics Engineering C. Monika and Karunya.D have got shortlisted in top 10 places in Youth Talk Regional Prelims held at Sri Sairam Engineering College on 14.09.2019, conducted by ICT Academy.
2.	***Pic. Srinivasan J., Srivathsan M., Sudharshan S.J. and VigneshPoopathy M receiving winning certificates at Stamford International University, Thailand***	**IEEE YESIST12 (YOUTH ENDEAVOURS FOR SOCIAL INNOVATION USING SUSTAINABLE TECHNOLOGY)** is an international level talent show for Students and Young Professionals to showcase their ideas and solve real world problems. Participants will be categorized in their respective allocated tracks – Innovation Challenge, Maker Fair Track, Virtual Track, We Power Track and Junior Einstein Track. The competition was organized and held at **Stamford International University, HuaHin**, **Thailand** Campus on **7th and 8th September 2019**. More than **450 Colleges from 20 countries** had participated in this competition. Three teams from Department of Electrical and Electronics Engineering, St. Joseph's College of Engineering Participated in Innovation Challenge(1 team) and Maker Fair challenge (2 teams). The team **EDITH (19MFP08)** consisting of Final year students – **Srinivasan J., Srivathsan M., Sudharshan S.J. and Vignesh Poopathy M** won the **Championship** of the Maker Fair Track at this event by presenting their project **IMBALANCE REGULATOR**.

Sl. No.	Photographs Captured During Events	Remarks
3.	 Pic.. **Certificate of Merit**	**Mr. Aravindh S of II year EEE A got a medal and winning certificate by securing I prize in Chennai Got Talent Competition organized by Chennai International Youth Fest 2019**
4.	 ***Pic. Students receiving winning certificates in GITAM University Hyderabad***	Students of Electrical and Electronics Engineering SURYA M, VEDHIKA CHELLI K, ROHIT KUMAR R, and ABARNA won second place in a Project Expo held at Gitam University, Hyderabad on 21st Sep 2019.

Sl. No.	Photographs Captured During Events	Remarks
5.	Pic."Design of high frequency inverter" Workshop photo	During 17th and 18th Sep 2019, conducted a student workshop on "***Design of high frequency inverter*** " in association with **EmCog** at St. Joseph's college of Engineering which is situated at OMR, Chennai-119, Tamilnadu, India. A total of 67 students from **III year EEE** participated in the event. The resource person of the event, Mr.S.V.Sreeraj, Director, EmCog. The two days student workshop was conducted in two sessions Forenoon and Afternoon. The session was more interactive and interesting for the students. The entire event was organized and co-ordinated by Dr.V.Krishnakumar, Mr.R.Elavarasan, Mr.T.Srianandа Ganesh and Mr. R.Elanthirayan
6.	**Pic. "EMBEDDED *SYSTEMS " Workshop photo***	During 17th and 18th Sep 2019, conducted a student workshop on "**EMBEDDED SYSTEMS USING 8051 MICROCONTROLLER** " in association with **NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH (NITTTR)** at St. Joseph's college of Engineering which is situated at OMR, Chennai-119, Tamilnadu, India. A total of 57 students from **III year EEE** participated in the event. The resource person of the event, Dr.G.A.Rathy ,Associate Professor, NITTTR,Chennai-133.
7.		During 17th and 18th Sep 2019, conducted a student workshop on "**Solar Power Technologies**" in association with **TIAS Energy Private Limited**, Chennai at St. Joseph's college of Engineering which is situated at OMR, Chennai-119, Tamilnadu, India. A total of 57 students from **III year EEE** participated in the event. The

Sl. No.	Photographs Captured During Events	Remarks
	Pic.“Solar power Technologies” Workshop photo	resource person of the event, Mr.K.Pushpanathan, M.E.,(Ph.D), Director, TIAS, Chennai. The two days student workshop was conducted in two sessions Forenoon and Afternoon. The session was more interactive and interesting for the students. The entire event was organized and co-ordinated by Dr.M.RameshBabu, Dr.V.VasanPrabhu, Mr.C.Venkatesh Kumar and Pic. Ms.R.G.Nirmala Dept of EEE.
8.	**Pic. “Basics of Arduino” workshop photo**	On 17th and 18th September 2019, Department of EEE in association with “ **Progyaan**” conducted two days workshop on “**Basics of Arduino**”. A total of 50, **II year students** participated in the event.The workshop had more interactive and interesting practical sessions for the students. The entire event was organized and co-ordinated by Mr.Sreekanth, Dr.Venmathi and Ms.S.Gomathi, Ms.M.Sumitha Dept of EEE.
9.		On 17th and 18th September 2019, Department of EEE in association with **National Small Industries Corporation Limited(NSIC)** conducted two days workshop on **“Electrical Applications with IOT”.** A total of 51, **II year students** participated in the event. The resource person of the event were, Mr.SATHEESH MATHIVANAN , Mr.MURALI JEYARAMAN and Mr. SUNDARESAN. The session was more interactive and interesting for the students. The entire event was organized and co-ordinated by Mr.Sridharan, Ms.K.Vanitha and Ms.S.P.Vedavalli, Dept of EEE.

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td>Pic. “Electrical Applications with IOT” workshop photo</td><td></td></tr>
<tr><td>10.</td><td>
Pic. “Basics of Robotics” workshop photo</td><td>On 17th and 18th September 2019, Department of EEE in association with Axis conducted two days workshop on “Basics of Robotics”. A total of 59 II year students participated in the event. The session was more interactive and interesting for the students. The entire event was organized and co-ordinated by C.Baskaran, P.Anbarasan, M.Chilambarasan, R.Sujatha, and H.Prasad, Dept of EEE.</td></tr>
<tr><td>11.</td><td>Presentation on “Workplace Safety & Compliance of Prevention of Sexual Harassment Act”
<table><tr><th>S. No</th><th>Name of the Student</th><th>Year</th></tr><tr><td>1.</td><td>Arangan Rishikesh. T</td><td>II</td></tr><tr><td>2.</td><td>Akshaya. S</td><td>II</td></tr><tr><td>3.</td><td>Geerthana</td><td>IV</td></tr><tr><td>4.</td><td>Gayathri. MA</td><td>IV</td></tr><tr><td>5.</td><td>Erudhayadhas Suselet Pragash</td><td>IV</td></tr><tr><td>6.</td><td>Dev Siva</td><td>IV</td></tr></table></td><td>Students attended the presentation on “Workplace Safety & Compliance of Prevention of Sexual Harassment Act” by Ms. Viji Hari, on Friday, 13th Sep 2019 at 5.45 p.m. at the Seminar Hall, Shri Shankarlal Sundarbai Shasun Jain College for Women, Near T. Nagar Bus Stand, Chennai - 600017</td></tr>
<tr><td>12.</td><td> </td><td>Guest Lecture was delivered by Dr. P. Damodharan, Professor, Department of ECE, IIITD&M Kancheepuram, on 19/09/2019 at 10:00 AM on the topic ” Study of BLDC Motor Drive” for II Year EEE students.</td></tr>
</table>

Sl. No.	Photographs Captured During Events	Remarks
	Pic. Guest Lecture on Study of BLDC Motor	
13.	**Pic. Guest Lecture on Load Flow Analysis in Power System Analysis**	Dr. N. Chidambararaj, ASP/EEE has delivered a guest lecture on "Load Flow Analysis in Power System Analysis" at Tagore Engineering College on 29/09/2019.
14.	***Pic. Display of working model in National Level Technical Symposium 2019 held on 14.9.2019***	JET POTENTIAL 2K19 A National Level Technical Symposium was organized by the Department of Electrical and Electronics Engineering on 14/09/2019. We had 132 participants from various 17 colleges who dynamically participated in the symposium. There were many challenging events in symposium such as CIRC-O-WAR, TECH QUIZ, Mr.BE, GAMEOF DRONES and TED TALKS which were conducted in the 4th block . Winners of the various events were awarded with certificates and prize amount.

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td>15.</td><td>
Pic. Group photo with the participants in presence of Dr. P. Somasundaram, professor, College of Engineering, Anna University, Chennai</td><td>The Department of Electrical and Electronics Engineering conducted National Workshop on “Power Management & Stability Solutions Of The Microgrids” Sponsored by CSIR, HRD Group, New Delhi on 06th September – 7th September, 2019 in placement block, St Joseph’s College of Engineering. Three participants from Andhra Pradesh and twenty three from Tamilnadu participated the event. Dr. P. Somasundaram, professor, College of Engineering, Anna University, Chennai presided over the inaugural function on 06/09/19 and delivered inauguration address on “Introduction to Stability problems in Microgrids”. Dr Vaddi Seshagiri Rao, Principal, Dr Parvathavarthini, Dean, Dr Jayarama Pradeep, HOD / staff affairs, Dr T V Narmatha, HOD / Lab affairs are also attended the inauguration.</td></tr>
<tr><td>16.</td><td>
Pic: Mr. A. Jayasuriyan receiving memento from Dr.T.V.Narmadha</td><td>Our Alumni Students Mr. S. Amudhan, Senior Systems Engineer, Infosys Ltd., Mr. R. Prashanth, Senior Analyst, HCL Technologies, Mr. A. Jayasuriyan, Machine learning data analyst, AMAZON conducted a seminar about how to face the interview and conducted mock interviews for IV year students on 6th September 2019 between 10:00 A.M –3:00 P.M at Placement Block-Hazel in St. Joseph’s College of Engineering.</td></tr>
<tr><td>17.</td><td><table><tr><th>S.No</th><th>STUDENT NAME</th><th>WORKSHOP</th></tr><tr><td>1.</td><td>ASHA.J.S</td><td>AERO MODELLING</td></tr><tr><td>2.</td><td>CELESTINE RAJ.R</td><td>AERO MODELLING</td></tr><tr><td>3.</td><td>JAGAN. S</td><td>Embedded System & IOT</td></tr><tr><td>4.</td><td>MARIA THANUJ PEERI</td><td>Embedded System & IOT</td></tr></table></td><td>Students of Electrical and Electronics Engineering attended various workshops ARO MODELLING and EMBEDDED SYSTEM & IOT organized by Chennai Institute of Technology, Chennai on 4th Sep 2019.</td></tr>
</table>

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td>18.</td><td>
<table>
<tr><th>Name of the Student</th><th>Prize won</th><th>Name of the Event</th></tr>
<tr><td>RIYAS Y
SURENDAR M
ROHIT KUMAR R</td><td>I</td><td>PANDORA BOX</td></tr>
<tr><td>ROHIT KUMAR R
YOGESH SN</td><td>II</td><td>BRIDGE BALANCIO</td></tr>
<tr><td>SHARAN R</td><td>II</td><td>PAPER PRESENTATION</td></tr>
<tr><td>GOKUL J
DILLEN N
ALLAN SAMUEL V</td><td>II</td><td>YES QUEUE LUCK</td></tr>
</table>
</td><td>Students of Electrical and Electronics Engineering won various prizes in a Technical Symposium organized by SSN College of Engineering, Chennai on 14th Sep 2019.</td></tr>
<tr><td>19.</td><td>
<table>
<tr><th>Name of the Student</th><th>Name of the Event</th><th>Prize won</th><th>Conducted by</th></tr>
<tr><td>SURENDRAN V
K S VISVAK
SEBASTIAN SUGAN GOMEZ</td><td>PROJECT EXHIBITION</td><td>II</td><td>Sri Sai Ram Institute Of Technology</td></tr>
<tr><td>S.VISHAL
RIYAS Y</td><td>NEXUS</td><td>II</td><td>Jerusalem College Of Engineering</td></tr>
<tr><td>K.S.VISVAK
V.SURENDHRAN
J.SEBASTIAN
SUGAN GOMEZ</td><td>PROJECT EXPO</td><td>II</td><td>Sri Sai Ram Institute Of Technology</td></tr>
<tr><td>ARAVINDH. S</td><td>CHENNAI GOT TALENT</td><td>I</td><td>Chennai International Youth Fest 2019</td></tr>
<tr><td>RIYAS Y
SANTHOSH S</td><td>TIE UP</td><td>III</td><td>St. Joseph’s Institute Of Technology</td></tr>
</table>
</td><td>Students of Electrical and Electronics Engineering won various prizes in a Technical Symposium organized by Various Colleges during Sep 2019.</td></tr>
</table>

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td>1.</td><td>Competitions attended by students:
World Robotics Championship

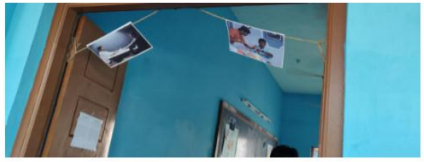
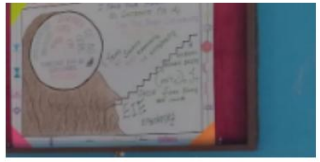
</td><td>All India Council for Robotic Automation jointly with TIMES & TECHNOXIAN organized 5th International Robotics League and World Robotics Championship, held at NEW DELHI from 23rd to 25th of September 2019.
Two teams were selected for FINAL round among 900 Teams across 14 different countries and one has won with a cash amount of Rs.25,000/-
<table><tr><th colspan="2">III ECE</th><th>NAME OF THE EVENT</th><th>MENTORS</th></tr><tr><td>TEAM 1</td><td>TEAM 2</td><td rowspan="6">Micro Mouse – Maze Solver & Fastest Line Follower</td><td rowspan="6">Dr.S. Rajeshkannan / Mr.AKPKovendan</td></tr><tr><td>B. Harish Kumar</td><td>T.PremIrudhayaraj</td></tr><tr><td>B. Jayavel</td><td>S.AsherJosuva Sundar</td></tr><tr><td>J.Jeffry Wilfred</td><td>Lokesh Ramesh</td></tr><tr><td>J.Hariharasudhan</td><td>Hari Kumar Ganesh</td></tr><tr><td>Emmanuel Patrick</td><td>S. Ashwin</td></tr></table></td></tr>
</table>

Sl. No.	Photographs Captured During Events	Remarks
2.	**Symposium** 	National level symposium was conducted on 21st September 2019. Students from various colleges actively participated in various events. The event started with the formal inaugural function. All technical events were conducted in various rooms of ECE Department. Students from 32 different colleges like R.M.D Engineering college, Sri Sai Ram Engineering college , SSN college of engineering, Vellamal college of engineering etc., participated. We have total count of 200 students registered for different events and the students were awarded with prize amounts of total worth of Rs.30,000.
3.	**Publications**	Maheswari.S, Dr.ReebaKorah, Embedding with Pca Based SvdFramelet Transform with Visual Cryptography In Video ", 'International Journal of Innovative

Sl. No.	Photographs Captured During Events	Remarks
		Technology and Exploring Engineering (IJITEE)', ISSN: 2278–3075 (Online), Volume-8 Issue-11, September 2019, Page No. 1752-1757 ***Abstract*: *The goal of watermarking or steganography is not to restrict access to the original image, to ensure that embedded data remain recoverable. Digital watermarking is a technique providing embedded secure information in images, digital watermarking is the process of inserting data into an image in a way that it can be used to make an assertion about the image. But the proposed system studies a comprehensive approach of embedding secret information inside the video. A hybrid video steganographic scheme based on Framelet transform (FT) with Principal Component Analysis (PCA) is introduced. The main purpose of using PCA is to reduce correlation among wavelet coefficients from wavelet decomposition of each video frame. Using this decomposition, the secret message can be dispersed into the uncorrelated coefficients. Framelet transform helps to decompose video file into several frames. The secret message is***

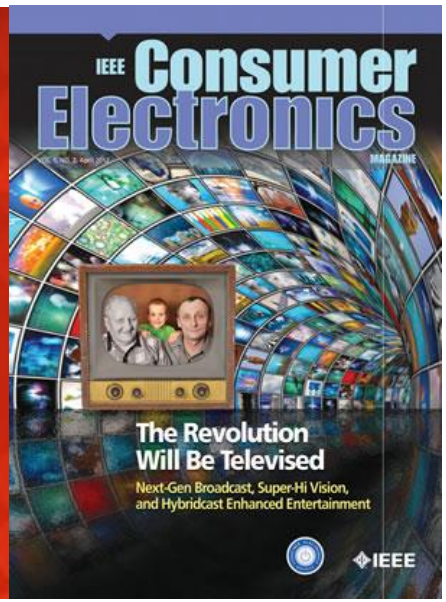
Sl. No.	Photographs Captured During Events	Remarks
		embedded inside the principal components of low frequency wavelet coefficients. Achieving high bit rate data embedding is the main task. The proposed system is robust against numerous attacks like geometric attack, filtering, contrast adjustment. After embedding the secret information , (2,2_VSSS) as Visual cryptographic encryption is implemented to maintain the secrecy of this information against hackers. The proposed method achieves high PSNR than the existing methods, and nominal computational time is achieved for retrieving the secret information.
4.	**Awards** ELSEVIER Computer Communications Certificate of Reviewing Awarded since September 2019 (1 review) presented to VASUDEVAN B in recognition of the review contributed to the journal The Editors of Computer Communications	Dr.B.Vasudevan was awarded with certificate of Reviewing fromthe "Computer Communications (Elsevier)Journal"in September 2019.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	Symposium Event- **KARUVINGYAN 2019**   	The National level symposium event name is "**KARUVINGYAN 2019".**KARUVINGYAN 2019 was organized by the department of EIE on **14th of September 2019.**The student chapter of the department namely EIE students played a major role in this sincere attempt.The inaugural function is presided by our department HOD's . General Instructions about the event given by student co-ordinator of Karuvingyan 2019. Totally, five events were hosted together by the event incharges from Electronics and Instrumentation Engineering. 151 students from 14 different colleges across Tamilnadu had participated in the events. All the events involved two stages – prelims and finals. In the prelims, the participants were tested with the basics of technical knowledge. The teams with the highest marks were qualified for the finals. At the end, the winners for the respective events were awarded with prize money and certificates by our Department HOD's. The total cash prize amount is Rs 30,000/-.

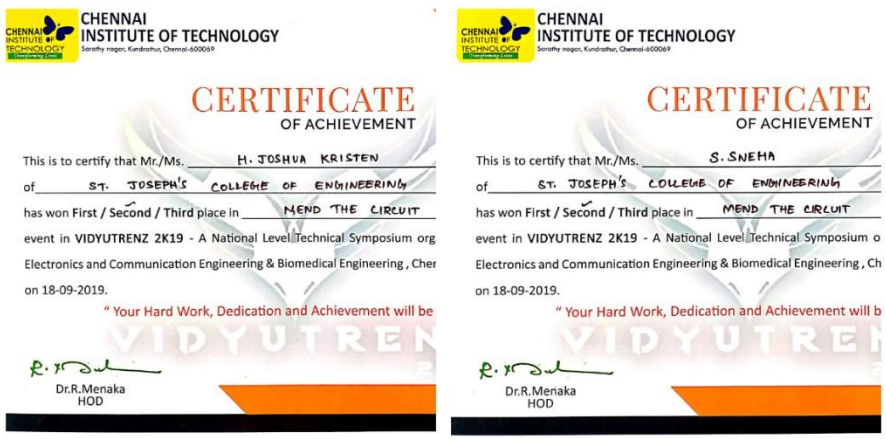
Sl. No.	Photographs Captured During Events	Remarks
2.	**Competitions attended by students** **EICON Club Activity** 	**Event name** Mini Project Expo held on **18th September 2019**, conducted by EIE department event incharge Mrs. G. Brindha, organized by Club Faculty advisor Dr. R. Sivakumar held in Smart class room of EIE department between 11am to 2pm. Totally 26 students actively participated in this event with 13 projects with a working module. **Objective** of this event is to motivate all sorts of candidate to apply the programming knowledge into a real- world situation/problem to get with a solution to overcome the situation. **Theme** – Engineering concept **Outcome** – students were aware of all sorts of environmental issues right from agriculture to space research. • Auto Irrigation and security batch • LIFI and Automatic street light Technology • Cartesian Robot • Automated door lock using IOT • ECG monitoring using Biomedical Instrumentation • Welcome Note using 8051 µc • Smoke detection using Arduino UNO • Home Automation using IOT • KALAMSAT V2 tracking system (ie. Base Station of Satellite Mission Control Centre) • NOTI Ware • Sound Sensing and Burglar Alarm • Obstacle Avoider Robot • Vertical Axis Wind Turbine **Awards/Recognitions – Certificate and Cash Prize**

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><th>REG. NO.</th><th>NAME</th><th>Project Title</th><th>PLACE</th></tr>
<tr><td>312317107131</td><td>Shalini .N</td><td rowspan="4">CARTESIAN ROBOT</td><td rowspan="4">I Place Rs. 500</td></tr>
<tr><td>312317107003</td><td>Abirami .D</td></tr>
<tr><td>312317107057</td><td>Jose Infanta .J</td></tr>
<tr><td>312317107012</td><td>ArokiaShalini .A</td></tr>
<tr><td>312317107101</td><td>Praveen .S</td><td rowspan="4">AUTO IRRIGATION AND SECURITY BATCH</td><td rowspan="4">II Place Rs. 300</td></tr>
<tr><td>312317107102</td><td>Pravieen .P</td></tr>
<tr><td>312317107061</td><td>Kaushik .S</td></tr>
<tr><td>312317107066</td><td>Kevin Paul Devanand .S</td></tr>
<tr><td>312318107050</td><td>Lokeshwaran .A</td><td>KALAMSAT V2 TRACKING SYSTEM</td><td>III Place Rs. 200</td></tr>
</table>
</td></tr>
<tr><td>3.</td><td></td><td></td></tr>
</table>

Sl. No.	Photographs Captured During Events	Remarks
	Publications(only published) details 	**Journal/Conference Publication** **September 2019-2020** **Book Chapters:** 1. V. Rajinikanth, Hong Lin, J. Panneerselvam, N. Sri Madhava Raja, Examination of Retinal Anatomical Structures—A Study with Spider Monkey Optimization Algorithm, Applied Nature-Inspired Computing: Algorithms and Case Studies, Springer, 177-197, 2020 **Journals:** 1. S.L. Fernandes, V. Rajinikanth, S. Kadry, A Hybrid Framework to Evaluate Breast Abnormality Using Infrared Thermal Images, IEEE Consumer Electronics Magazine, 8(5), 31-36, 2019. 2. U. RajendraAcharya, Steven Lawrence Fernandes, Joel En WeiKoh, Edward J Ciaccio, MohdKamilMohdFabell, U John Tanik, V. Rajinikanth, Chai Hong Yeong, Automated Detection of Alzheimer's Disease Using Brain MRI Images–A Study with Various Feature Extraction Techniques, Journal of Medical Systems, 43(9), 302, 2019. 3. V. Jahmunah, ShuLih Oh, V. Rajinikanth, Edward J Ciaccio, Kang Hao Cheong, N. Arunkumar, U. RajendraAcharya, Automated detection of schizophrenia using nonlinear signal processing methods, Artificial intelligence in medicine, 100, 101698, 2019. 4. NilanjanDey, V. Rajinikanth, Fuqian Shi, João Manuel RS Tavares, LuminitaMoraru, K ArvindKarthik, Hong Lin, K Kamalanand, C Emmanuel, Social-Group-Optimization based tumor evaluation tool for clinical brain MRI of Flair/diffusion-weighted modality, Biocybernetics and

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td>
</td><td>Biomedical Engineering, 39(3), 843-856, 2019.
5. S.L. Fernandes, U.J. Tanik, V. Rajinikanth, K. ArvindKarthik, A reliable framework for accurate brain image examination and treatment planning based on early diagnosis support for clinicians, Neural Computing and Applications, 1-12, 2019. DOI: https://doi.org/10.1007/s00521-019-04369-5</td></tr>
<tr><td>4.</td><td>Competitions attended by students</td><td>The following students participated in various competitions and secured following prizes:
<table>
<tr><th>S.no</th><th>Event</th><th>Venue</th><th>Students</th><th>Prize</th></tr>
<tr><td>1</td><td>“Vidyutrenz 2k19” A National Level Technical Symposium 18-09-2019</td><td>Chennai Institute of technology, Chennai</td><td>1.Joshua Kristen
2.S Sneha</td><td>II</td></tr>
<tr><td>2</td><td>“Vidyutrenz 2k19” A National Level Technical Symposium</td><td>Chennai Institute of technology, Chennai</td><td>1.Sibirajan B
2.Sharuk Basha .S.S</td><td>III</td></tr>
</table></td></tr>
</table>

Sl. No.	Photographs Captured During Events	Remarks



CHENNAI INSTITUTE OF TECHNOLOGY
Sarathy nagar, Kundrathur, Chennai-600069

CERTIFICATE
OF ACHIEVEMENT

This is to certify that Mr./Ms. H. JOSHUA KRISTEN
of ST. JOSEPH'S COLLEGE OF ENGINEERING
has won First / Second / Third place in MEND THE CIRCUIT
event in VIDYUTRENZ 2K19 - A National Level Technical Symposium org
Electronics and Communication Engineering & Biomedical Engineering , Cher
on 18-09-2019.
" Your Hard Work, Dedication and Achievement will be

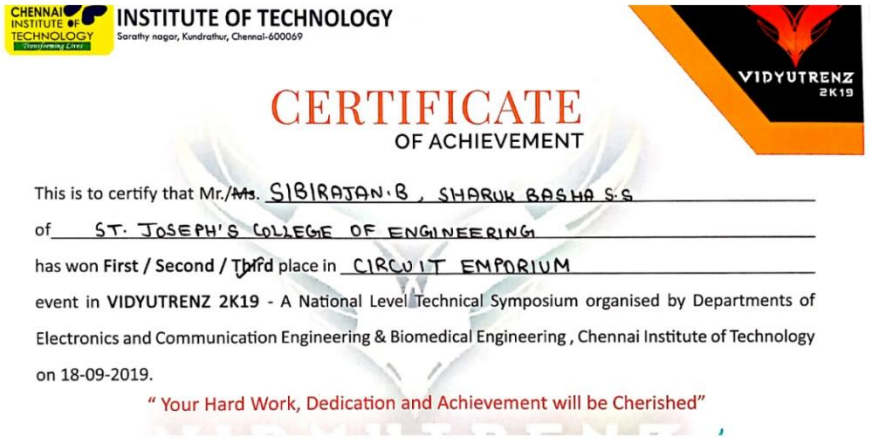
Dr.R.Menaka
HOD

CHENNAI INSTITUTE OF TECHNOLOGY
Sarathy nagar, Kundrathur, Chennai-600069

CERTIFICATE
OF ACHIEVEMENT

This is to certify that Mr./Ms. S. SNEHA
of ST. JOSEPH'S COLLEGE OF ENGINEERING
has won First / Second / Third place in MEND THE CIRCUIT
event in VIDYUTRENZ 2K19 - A National Level Technical Symposium o
Electronics and Communication Engineering & Biomedical Engineering , Ch
on 18-09-2019.
" Your Hard Work, Dedication and Achievement will b

Dr.R.Menaka
HOD



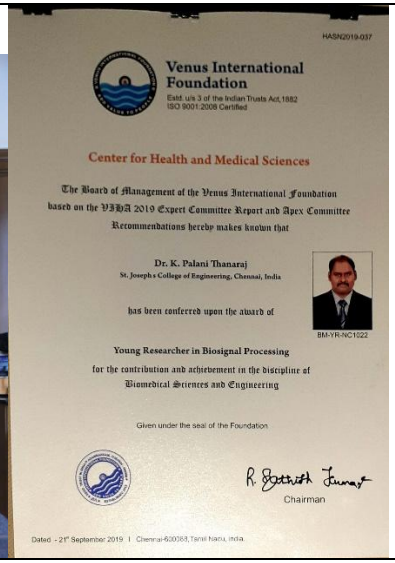
CHENNAI INSTITUTE OF TECHNOLOGY
Sarathy nagar, Kundrathur, Chennai-600069

VIDYUTRENZ 2K19

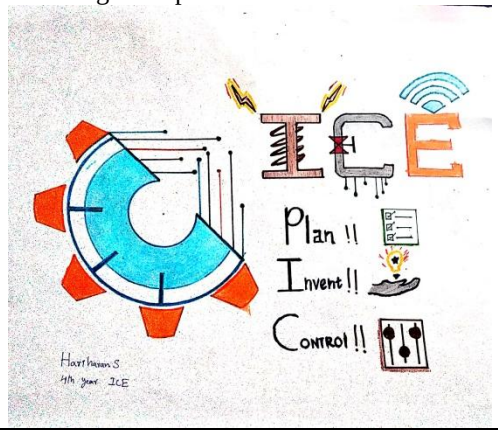
CERTIFICATE
OF ACHIEVEMENT

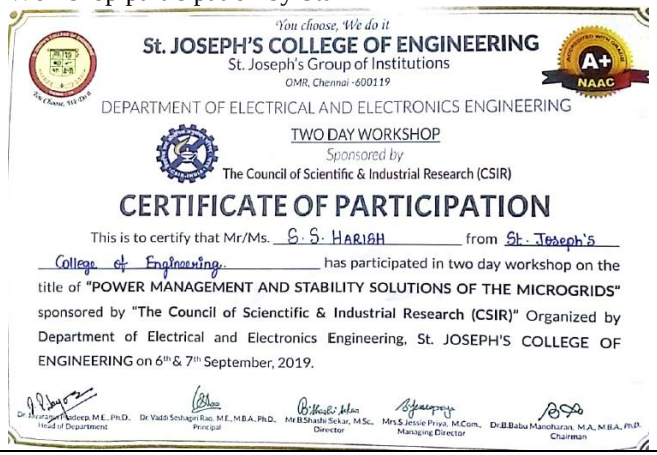
This is to certify that Mr./~~Ms.~~ SIBIRAJAN.B , SHARUK BASHA S.S
of ST. JOSEPH'S COLLEGE OF ENGINEERING
has won First / Second / Third place in CIRCUIT EMPORIUM
event in VIDYUTRENZ 2K19 - A National Level Technical Symposium organised by Departments of Electronics and Communication Engineering & Biomedical Engineering , Chennai Institute of Technology
on 18-09-2019.
" Your Hard Work, Dedication and Achievement will be Cherished"

	18-09-2019			
3	**"Virtuza 2K19" A National Level Technical Symposium 14-09-2019**	**Thangavelu Engineering College**	**1.Saravana Priya C**	**II**
4	**AISYWC 2019 Pan India Event on young women professional in engineering 28-30 Sept. 2019**	**CMR Institutions Hyderabad**	**Revathy D**	
5	**Mevolution 2019, Paper presentation 21 Sept. 2019**	**DMI Engineering College**	**1.Tamil Durga 2.S.Sneha**	**II**

Sl. No.	Photographs Captured During Events	Remarks
5.	 HASN2019-037 Venus International Foundation Estd. u/s 3 of the Indian Trusts Act, 1882 ISO 9001:2008 Certified Center for Health and Medical Sciences The Board of Management of the Venus International Foundation based on the VIHA 2019 Expert Committee Report and Apex Committee Recommendations hereby makes known that Dr. K. Palani Thanaraj St. Joseph's College of Engineering, Chennai, India has been conferred upon the award of BM-YR-NC1022 Young Researcher in Biosignal Processing for the contribution and achievement in the discipline of Biomedical Sciences and Engineering Given under the seal of the Foundation Chairman Dated - 21st September 2019 | Chennai-600083, Tamil Nadu, India.	Venus International Foundation **2nd Venus International Healthcare Awards** Young Researcher Awarded to **Dr.K.PalaniThanaraj** for contributions in : Biomedical Sciences and Engineering, **On 21, Sept. 2019**

DEPARTMENT OF INSTRUMENTATION AND CONTROLS ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	Price won by students in Student Symposium	27th September 2019 No of Participant : 8 Venue: Jesusalem College of Engineering Price Amount : Rs.1000 & Rs.750 Position Held : First and Second
2.	ISA- Logo competition 	September 13, 2019 No. of participants: 15 Venue: ICE lab Theme: Instrumentation and Control

Sl. No.	Photographs Captured During Events	Remarks
3.	Competitions attended by students SAVEETHA ENGINEERING COLLEGE Affiliated to Anna University | Approved by AICTE DRESTEIN'19 DReam dESign compeTE wIN Certificate of Appreciation Mr. / Ms. Praveen Chakravarthy. V of St. Joseph's College of Engineering has Participated in the event Technova and won 1st prize, organized by the Department of EEE as part of DRESTEIN'19, 11th National Level Intercollegiate Technical and management fest, held during September 6th & 7th 2019. Co-ordinators (Dr. N. Raja Rajeswari) (Dr. K. Suresh Kumar) POORVIKA Principal (Dr. R. Ramesh)	September 6,7- 2019 No. of Participants: 6 Venue: Saveetha Engineering College Prize: First, Second, Third
4.	Workshop participation by Staff  You choose, We do it St. JOSEPH'S COLLEGE OF ENGINEERING St. Joseph's Group of Institutions OMR, Chennai -600119 A+ NAAC DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING TWO DAY WORKSHOP Sponsored by The Council of Scientific & Industrial Research (CSIR) CERTIFICATE OF PARTICIPATION This is to certify that Mr/Ms. G. S. HARISH from St. Joseph's College of Engineering. has participated in two day workshop on the title of "POWER MANAGEMENT AND STABILITY SOLUTIONS OF THE MICROGRIDS" sponsored by "The Council of Scienctific & Industrial Research (CSIR)" Organized by Department of Electrical and Electronics Engineering, St. JOSEPH'S COLLEGE OF ENGINEERING on 6th & 7th September, 2019. Dr. Jeyadeep, M.E., Ph.D., Head of Department Dr. Vaddi Seshagiri Rao, M.E., M.B.A., Ph.D., Principal Mr. B. Shashi Sekar, M.Sc., Director Mrs. S. Jessie Priya, M.Com., Managing Director Dr. B. Babu Manoharan, M.A., M.B.A., Ph.D., Chairman	Date: 6&7 September 2019 No. of Participants:1 Sponsored by : CSIR Venue: St.Joseph's College of Engineering
5.	Workshop participation by Staff	Date: 13 September 2019 No. of Participants:1 Sponsored by : DST & TNSCST Venue: Patricia College of arts and Science

Sl. No.	Photographs Captured During Events	Remarks

Department of Corporate Secretaryship
Patrician College Of Arts & Science, Chennai

&

PATENT INFORMATION CENTRE
Tamil Nadu State Council for Science and Technology, Chennai
(Govt. of Tamil Nadu)

TNSCST

Catalysed and Supported by
Department of Science And Technology, New Delhi
(Govt of India)

CERTIFICATE

This certificate is awarded to

Dr./~~Mr./Ms.~~ SELVAKUMAR. C

for participating in the one day State Level Technical Workshop on 'INTELLECTUAL PROPERTY RIGHTS' conducted during 13th September 2019, jointly organized by Tamil Nadu State Council for Science and Technology, Chennai & Department of Corporate Secretaryship of Patrician College of Arts & Science, Chennai *Catalysed and Supported by* Department of Science & Technology, New Delhi.

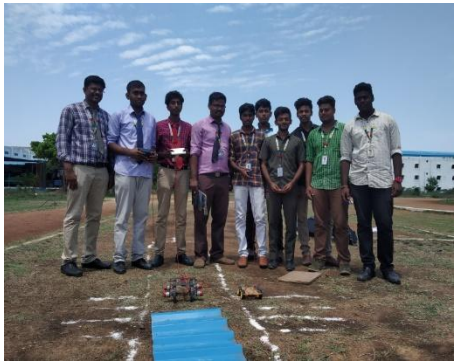
Dr Usha George
Principal
Patrician College of Arts & Science

Dr. R. Srinivasan
Member Secretary
TNSCST

DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	**Industrial Visit** Industrial Visit by Mechanical Students to various companies	Main aim of the industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Students from mechanical department visited companies like ***Neyveli Lignite Corporation,TVS motors-Hosur,TOKAI rubbers-Bangalore,Butterfly Gandhimathi Appliances,NATLIN Engineering work***s and ***THAI castings,RETECH Solutions*** during the month of July,August 2019.
2.	**Science Carnival:** Group photo with participants	As a part of Silver Jubilee Celebration,Department of Mechanical Engineering organized a Science Carnival for School Students on 31/08/2019. Dr.R.Sampath Kumar, Retired District Liason Officer, Kanchipuram District was invited as Chief guest for the event.

Sl. No.	Photographs Captured During Events	Remarks
	 Students explaining about their project to the **Chairman Dr.B.Babu Manoharan**, St.Joseph's Group of Institutions.	Various events like ***Practical Show,Let's Speak Out,Riddle Rides,Tech Debate,Think Bots*** were Conducted.The event was a Grand Success,820 Students from 39 schools in and around Chennai participated and prizes were distributed to the winners.
3.	**National Level Technical Symposium:** Lightning Of Kuthuvilaku by HOD's during Inaugration	Department of Mechanical Engineering organized a National level Technical Symposium ***JETMECH2K19***on 21.09.2019. Events like ***Robo Race,Poster Presentation,Smart Designer 2k19,Craco-Nical,Auto Quiz*** were Organised.166 Participants from more than 39 colleges participated in the events. Winners were awarded with cash Prize.A total prize amount of **Rs. 30,000/-**was given to the winners of various events.

Sl. No.	Photographs Captured During Events	Remarks
	 Event Name: Robo Race Event Name; Craco-Nical	
4.	**Guest Lecture:** Dr. AVS. Siva Prasad giving lecture on Scope of Material Science and Material Processing	Guest Lectures Were Organised for the students of Mechanical Engineering in the month of August 2019. ***Dr. AVS. Siva Prasad***, Assistant Professor, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram was invited to give lecture on ***Scope of Material Science and Material Processing,Dr.M.Raghuraman***, Associate Professor, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram was invited to give lecture on ***Impact and Crash Awareness related to Aerospace Industry.***

Sl. No.	Photographs Captured During Events	Remarks
5.	Chief Guest Honored with a Momento Students at Shree Energy System Pvt. Ltd	**ISHRAE** Student Chapter, Chennai, has arranged an **guest lecture** on the topic **"Under Floor Air-conditioning"** by **Mr. Aloisodai Velu** on 23rd August 2019 to give an exposure in the field of emerging Air-conditioning methods to our students. The lecture was so interesting and inspired our students to learn and do more researches in the modern ways of air conditioning. They had an overall view about the HVAC Technologies. ISHRAE Chennai Chapter also arranged an Industrial Visit on the same day 23rd August 2019 for our students at Shree Energy System Pvt. Ltd. Sriperambdur.

Sl. No.	Photographs Captured During Events	Remarks
6.	*JK Tyre FMSCI National kARTING*Ground 3 *JK Tyre FMSCI National KARTING round 4* *MRF FMSCI National Racing Championship round 3*	Our Second Year Mechanical Student ***Nirmal U S B*** has Participated in (i)***JK Tyre FMSCI National kARTING*** Championship round 3 was organised on 16/08/2019 to 18/08/2019 at Meco Kartopia,Bangalore&secured ***Second place*** ***(ii)*** JK Tyre ***FMSCI National kARTING Championship*** round 4 was organised on 22/08/2019 at Meco Kartopia,Bangalore.**secured First place** **(iii)*MRF FMSCI National Racing Championship*** round 3 was organised 16/08/2019 at Madras motor Race Track,Irungattukottai.Secured **second place**

DEPARTMENT OF CHEMICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1.	SYMPOSIUM	The Inter department symposium CHEMTRIX 2019 was held on 21.9.19 at the dept. of Chemical Engineering. About 76 participants from various institutions participated in the following events and won the prize of worth Rs 30,000/- sponsored by our management. The events were as follows: ✓ CHEMZ GOT TALENT ✓ CHEM CALC ✓ REACTION RUMMY ✓ CHEMRECK ✓ CHEM-FI The objective of the above stated program is to improve the interaction between the students of different colleges and to encourage the talent of the young minds.
2.	PRIZE WINNERS	The following students participated at *invente 4.0 National Technical Symposium Competitions held at* ***SSN College of Engineering between 13th& 14th September 2019.***

Sl. No.	Photographs Captured During Events	Remarks
		Technical Events **PAPER PRESENTATION**

Name	Year	Event	
Vaishnavi K	III	Nano Technology	I
Venkateshwari M	III	Nano Technology	I
Monika V	III	Nano Technology	I
Haritha R	III	Environmental Engineering	I
Leena B R	III	Environmental Engineering	I
Jeffrita Mary	III	Environmental Engineering	I
Sarath Chander S	II	Autochem	I
Mohammed Thahir	II	Autochem	I
Pranesh M	III	Autochem	II
Naveen Robson R	III	Autochem	II
Balaji R	II	Pin it up	II
Nitesh R	II	Pin it up	II
Shreenivas V	II	Pin it up	II

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Maniranjan B</td><td>II</td><td>Pin it up</td><td>III</td></tr>
<tr><td>Mohammed Ijas</td><td>III</td><td>House of Cards</td><td>III</td></tr>
<tr><td>Edwin Abraham</td><td>III</td><td>House of Cards</td><td>III</td></tr>
<tr><td>Yashwanth Kumar</td><td>III</td><td>House of Cards</td><td>III</td></tr>
</table>
</td></tr>
<tr><td>3.</td><td></td><td>SCHOOL EVENT
On commemorating the silver jubilee function the department of Chemical Engineering and biotechnology department jointly organised TPSDP 2019 (Technology Popularization and Skill Development) for school students on 10th of October. Students from various parts of the city and several other districts actively participated in this event and bagged few prizes</td></tr>
<tr><td>4.</td><td>OTHER ACTIVITIES</td><td>NPTEL ACTIVITY – STAFF
<table>
<tr><th>Name</th><th>Topic</th><th>Place Secured</th></tr>
<tr><td>Dr R Baskaran</td><td>Stem Education</td><td>Results awaited</td></tr>
<tr><td>Dr N Venkatesh</td><td>Positive Psychology</td><td>Results awaited</td></tr>
<tr><td>Ms B Senthil Rathi</td><td>Technologies for clean and Renewable Energy</td><td>Silver Medal</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td>Production</td><td></td></tr>
<tr><td>Ms Sivaranjanee R</td><td>Technologies for clean and Renewable Energy Production</td><td>Silver Medal</td></tr>
<tr><td>Ms Geerthika S</td><td>Organic Farming</td><td>Silver Medal</td></tr>
</table>
NPTEL ACTIVITY – STUDENTS
<table>
<tr><th>Year</th><th>No of Students</th><th>Status</th></tr>
<tr><td>IV</td><td>11</td><td>Registered</td></tr>
<tr><td>III</td><td>18</td><td>Registered</td></tr>
<tr><td>II</td><td>2</td><td>Registered</td></tr>
</table>
</td></tr>
</table>

DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Events	Remarks
1.	Consolation Prize for "Open Innovation for Banking Solution" from Syndicate bank	**Syndicate** is One of the leading Indian nationalized bank conducted **synd innovatecompetition** for enlightening the young glowing technology heads. Syndicate bank realizes the economic growth of the country depends entirely in proper money saving and management. This made clear to get new solutions with new technology minds. The enormous technology growth will provide new and fresh ideas in booming the country's wealth. This event "**Open Innovation for Banking Solution** "conducted on **28th and 29th September 2019 in Bangalore** and inaugurated by Syndicate bank CEO and MANAGING DIRECTOR. "Open Innovation for Banking Solution" is to aim all aspects of banking functionalities and there solutions, thereby creating greater situation in widening students knowledge towards banking issues. Many students from various college compete in showing there innovations. Our students **Maria Fedric Jeffry E, Nivedhitha M III**

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>yr IT participated and won Consolation Prize Rs. 5000/- mentored by Ms. Mary Hannah Priyadharshini, Ms. Arunmozhi. This Prize largely motivated students in getting part in various other competitions too.</td></tr>
<tr><td>2.</td><td>

Vijayaraghavan awarded with II prize in Debugging for Technical Symposium held at J.N.N Institute of Engineering</td><td>Technical Symposium Winners
<table>
<tr><th>S. No</th><th>Name</th><th>Year/ Section</th><th>Name</th></tr>
<tr><td>1</td><td>Arokia John Collins M
Antony Raj R</td><td>IV A</td><td>Quirios</td></tr>
<tr><td>2</td><td>Kumanan K
DurgeshAshwin R</td><td>IV B</td><td>Bugs li</td></tr>
<tr><td>3</td><td>Arokia John Collins M
Antony Raj R</td><td>IV A</td><td>Web D</td></tr>
<tr><td>4</td><td>Adithan P
Chris Blesson V</td><td>IV A</td><td>Web D</td></tr>
<tr><td>5</td><td>Adithan P
Chris Blesson V</td><td>IV A</td><td>The Co</td></tr>
<tr><td>6</td><td>Adithan P
Chris Blesson V</td><td>IV A</td><td>Blind C</td></tr>
<tr><td>7</td><td>Dinesh J</td><td>IV A</td><td>Star Er</td></tr>
<tr><td>8</td><td>Shwetha M</td><td>III A</td><td>Star Er</td></tr>
</table></td></tr>
</table>

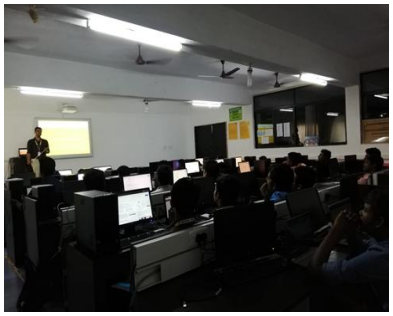
<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>9</td><td>Vijayaraghavan D
Karthick C</td><td>II C
II A</td><td>Paper Presentati</td></tr>
<tr><td>10</td><td>Vijayaraghavan D</td><td>II C</td><td>Debugging</td></tr>
</table>
Technical events are fed to student’s curious brain for creating massive energy growth in technical enhancements.
</td></tr>
<tr><td>3.</td><td>

International Journal of Recent Technology and Engineering (IJRTE)</td><td>Publications
1. R Deepa, S Vigneshwari, “A Novel HNN-DOC for Automated Agricultural Ontology Construction on Climate Factors”, International Journal of Recent Technology and Engineering (IJRTE) Vol. 8, No. 3, Sep 2019. (Publisher: Blue Eyes Intelligence Engineering and Sciences Publication, ISSN: 2277-3878) – Scopus Indexed
https://www.ijrte.org/wp-content/uploads/papers/v8i3/C5586098319.pdf
Abstract: Ontology has a huge potential for enhancing data association, executives, and understanding. One important criterion of domain ontologies is that they should accomplish a high level of inclusion of the domain concepts and</td></tr>
</table>

Sl. No.	Photographs Captured During Events	Remarks
		concept relationships. However, the improvement of these ontologies is regularly a manual, time consuming, and frequently results in error. This problem leads towards the need for automation of ontology construction. Agriculture is a critical domain in our country faces problem due to the lack of knowledge on cropping pattern exclusively after the adverse effects of global warming. This paper gives a novel Hybrid Neural Network for Agricultural Ontology Construction (HNN-AGOC) for farmers through the Agro-Pedia dataset for predicting cropping automatically. The HNN-AGOC comprised of Convolutional Neural Network (CNN) for classifying the extracted features and Recursive Neural Network (RNN) for prediction in ontology construction. The algorithm was initially trained with the training dataset, and the performance analysis was performed on different performance metrics.

Sl. No.	Photographs Captured During Events	Remarks
4.	Guest Lecture by Mr.V.Arunkumar on Augumented Reality	**IEEE –CIS Chapter Activity** **Event:** Guest Lecture programme on Augumented Reality Venue: Block X,Smart Lecture Hall Time: 1 pm to 3 pm Date: 18 September 2019 Resource Person: **Mr.V. ArunKumar (IEEE MEMBER)** **Participants:25** students **Objective:** To understand the difference between augmented reality and virtual reality.
5.	Guest Lecture By Ms.S.MartinaValogia on Data Science using Python	**CSI Chapter Activity** **Event:** Guest Lecture Programme Date :20.09.2019 Topic: Data Science using Python Venue: X block,Ground floor IT lab Resource Person : **S.MartinaValogia,** **Programmer Analyst** **PeriSoftware Solutions** Timing : 10.am to 12.00 pm

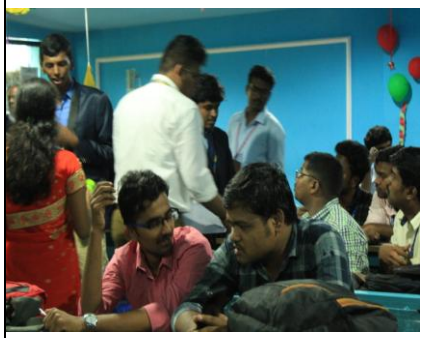
Sl. No.	Photographs Captured During Events	Remarks
		Objective: The basic concepts of data mining and how the concept can be incorporated in python were illustrated.
6.	 \ Mr. M. AkshayKumaar in Google's Explore ML Academy held at Google Office, Hyderabad	**Google Developer Student Club** Google Explore ML Facilitator: Mr. M. AkshayKumaar Year: III A Section Attended Google's Explore ML Academy held at Google Office, Hyderabad, on 14th and 15th September 2019 and exposed to workshops, solution development activities and get trained in Artificial Intelligence domain by Google Engineers (Cost of accommodation and travelling covered by Google)

Sl. No.	Photographs Captured During Events	Remarks
7.	 Technical workshop by Mr.M. AkshayKumaar on "ExploreML"	**Google Developer Student Club** Google Developer Student Club and Google AI organized 'ExploreML' a technical workshop on 17th and 18th of September 2019. This workshop is conducted for selected students (43students) from the IT, ECE and CSE departments. Students are given hands-on training on Artificial Intelligence (Machine learning and deep learning). Each student is provided Course materials to perform all required activities and course related work. Students who perform well are awarded with swags and prizes from Google and also a certificate upon successful completion of the course. M. AkshayKumaar III year IT department, Explore ML facilitator (Google) and Google DSC Core team Member, is the resource person of the workshop to provide the training.

DEPARTMENT OF MBA

Sl. No.	Photographs Captured During Events	Remarks
1.	**Guest Lecture** Mr. R Sathish Raj, CEO, E-	**Mr. R. Sathish Raj**, **CEO** of **E-Crusaders, delivered** guest lecture titled "**Ways to break down the wall between top 5% and bottom 95%"** on 26th September 2019 at, ED conference Hall, Department of MBA, St. Joseph's College of Engineering form 10:30 AM to 12:00 PM. 120 students of I year MBA, attended the guest lecture. **He** spoke on the success stories of the top 5% of people, who are successful in the corporate world. He explained the strategies that would make us place in top 5%. He insisted the students to prepare a journal that must contain three parts: Dreams, Ideas and Concepts, Challenges. He explained in detail about how one can have clear dreams and goals. He shared his view about how strong our foundations about thoughts and habits can be strengthened. Daily, thoughts should be strengthened by mind and body (energy). Energizing one's mind can be done by reading books, hearing, listening and through speaking. He instructed about the things that must not be done. The most important things among these were fear, worrying, procrastination, excuse, complaining, over reaction and anger. He gave a tip about the 5 seconds rule using which we need not postponed things. He devised a method to solve this challenge by asking people who have already solved that problem and by reading books about these challenges and by putting them

Sl. No.	Photographs Captured During Events	Remarks
		into actions. by planning of where you are going. Mostly, 95% of the people will have visual thinking about their goals but only 5% of the people will have clear goals to achieve. He concluded by saying "One must learn from others mistake and should try to make them Perfect and then lead others."
2.	**Guest Lecture 2** **Mr. Naveen**, **Director**, **Global Logistics**	A guest lecture titled "**Innovation & Technology in Logistics"** was held on 03rd September 2019 at, ED conference Hall, Department of MBA, St. Joseph's College of Engineering form 09.30 AM to 11:30 AM. The speaker of this programme was **Mr. Naveen** who is the **Director** of **Global Logistics Solutions.** The guest lecture was organized for the II-year MBA student, around 120 students participated in this guest lecture. Mr. Naveen briefed the students on the advancement and recent trends in logistics. He gave details on the topics namely: block chain concept, artificial intelligence, robotics, solar tracking, hyperloop, and their importance in the logistics industry. He also spoke on the strategies to minimize the logistics cost. Finally, he enlightened the scope and opportunity for career growth in logistics industry.
3.	**Symposium**	**Fenestra 2K19**, the National level Management Symposium was conducted by Department of Management Studies, St. Joseph's College of Engineering on 14th September,2019. The chief guest

Sl. No.	Photographs Captured During Events	Remarks
	 Mr. K. Suresh , Mr. Abinay Vaddi & Dr. Jayasree Krishnan, during the inaugural function of Fenestra 2k19, a national level technical symposium  Students actively participating in the stock wars competition, during the Fenestra 2k19, a national level technical symposium	for the symposium were Mr. K SURESH (President & CEO, India cements capital ltd) and Mr. Abhinay Vaddi (Actor & Business operations manager at 7 stones group). Students from various Institutions across Tamilnadu participated in the symposium. 27 colleges and 141 students had registered for the event. Fenestra has promised to be the best platform for budding professionals to showcase their talents and skills. The event thus created an arena to bring together the brightest minds and enhance the management skills of the dynamic youth. The events of the Fenestra 2K19 were Best Manager, Business Quiz, Market Masters, Ad-zap and Production Dice. We had the privilege of having esteemed judges to grace the events. Mr. Kingsley Joseph, HR partner – RBB, HDFC bank was the honourable judge for Best Manager event. Mr. Naveen Prakash, Co-founder of Global Logistics Pvt.Ltd was the honourable judge for Production dice event. Mr. Ram Kumar, Sales director, Grand Magnum Housing Pvt. Ltd was the honorable judge for Ad-zap event. The winners of the events were awarded with Cash Prizes of total of Rs.14000.
4.	**Intra- Department Symposium**	The Intra department symposium organized by the "Department of MBA" on 09.09.19 emerged as a platform for Business aspirants to make their skills dwell. Students have participated in multiple events which are designed to retrieve the creative and managerial abilities both in solo and team performance. The Intra department symposium brought together approximately 50 teams for Business

Sl. No.	Photographs Captured During Events	Remarks
	 Students actively participating in the business quiz competition during the intra-department symposium.	Quiz, 16 teams for Debate, 50 students for Best Manager and 10 teams (5 members per team) for Ad-Zap, 14 teams on Ed bazaar. It was an icebreaking event to get the first years of MBA to get involved and participate in the events conducted. **Best Manager** aims to bring out the most talented student of the department, possessing all the necessary managerial qualities. **ED-BAZAAR** will be a platform for students to explore their entrepreneurial skills. The participants were allowed to display their products for purchase and their talent on managing the sales with profit margin were analysed. The products include handmade products, games and services. **Business quiz helps to develop** the knowledge of students about current affairs in business, history of business and business organization around the globe, development of business techniques, various brand and their meanings are tested and in business quiz. **Debate** was organized to enhance the reasoning and communication skills of the students. **Ad-Zap** is an event to test the creativity of the student and how this asset is effectively utilized in commercializing the products and service. In the final round, the students were given with a common theme and asked to come out with an innovative product or service based on the theme. The prize winners of each events were given cash prize and a certificate to an amount of Rs. 10,000.
5.	**Eco-Soc Club Activity**	The Eco-Soc Club activity, "**BUILDING SOCIAL EQUITY**" was organized on 17th September 2019. The main objective of this activity was to analyse and make strategy on the inequality faced by the society as part of the new sustainable development agenda, whose goals are specifically targeted to be achieved by various discriminations and inequality faced in societies. The event started with a preliminary quiz on current affairs in India and across the World. The top 15 students were selected for the main event, namely "Strategy planning". The main event divided the students into 5 groups and were tasked to speak on their given case which was derived from current inequalities faced by the society. The cases comprised of: equality in education, gender status, income, freedom of speech, etc. After the cases were read and discussed with the group members,

Sl. No.	Photographs Captured During Events	Remarks
	Students actively discussing on the case for the Eco-Soc club activity.	each group was given some time to analyse on the situation and come up with strategy on the given equality in the case study after which the team spoke up their strategy and at the end of their presentation they were questioned by the panel of judges to justify their views. The groups were evaluated by the judges on the criteria of oratorical skill, creative ideas, relevancy to the society. The participants gave energetic stances for their case and had executed their case with innovative ideas for building equity in the society. The best team was awarded with certificates and cash prize.
6.	**Publications (only published details)**	1. Dr.S.P. Karuppiah, Mr.P. Surenthran David – "An Access on Consumer Satisfaction of Hero Two wheelers Bikes" International journal of innovative technology and exploring engineering" ISSN: 2278-3075, volume -8, issue -11s, September 2019. 2. Dr. Priya Sethuraman and Ms. Sneha, Presented their paper titled, "**Predicting exchange rate of Indian Rupee using ARIMA model: an empirical analysis", at** "International Conference on "Contemporary Practices of Technology and Management for Economic Growth", VIT, Chennai, on 6th and 7th Sept. 2019.

Sl. No.	Photographs Captured During Events	Remarks
7.	**Alumni Meet** All alumni and staff members at the Alumni Meet Alumni interacting with the I & II year MBA students	Alumni meet was conducted on 21st September 2019 in our campus. 86 Alumni attended the function. Our alumni students from different industry from various levels of management shared their experiences from the classroom to corporate environment. They also enlightened the students on the industry expectations in order to meet the corporate challenges. After the alumni shared their views, there was an interactive session between the students and the alumni. The afternoon session was an informal gathering where the students engaged the alumni with various events and entertainment programs. Finally, the alumni meet ended with a good note, that they agreed to contribute their alma matter.

DEPARTMENT OF HUMANITIES AND SCIENCE

Sl. No.	Photographs Captured During Events	Remarks
1.	**FDP/Workshop/Conference**	1. Dr. S. Suresh has presented his paper in the National level conference on Hybrid Materials and Medical Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019. 2. Dr. P. Saravanan has presented his paper in the National level conference on Hybrid Materials and Medical Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019. 3. Dr. N.R. Rajagopalan has presented his paper in the National level conference on Hybrid Materials and Medical Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019. 4. Dr. K. Jayamoorthy has presented his paper in the National level conference on Hybrid Materials and Medical Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019. 5. Dr. B. Subash has presented his paper in the National level conference on Hybrid Materials and Medical

Sl. No.	Photographs Captured During Events	Remarks
		Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019. 6. Mr. S. Kaleel Mohamed Ibrahim has presented his paper in the National level conference on Hybrid Materials and Medical Applications – 2019 conducted by TheivanaiAmmal College for Women, Villupuram held on 26.09.2019.
2.	**Competitions attended by students**	1.MOHANA PRIYA –I ECE-B has attended paper presentation in the National level Techfest – Invente 4.0 held at SSN College of Engineering, Chennai on 13th& 14th September 2019. 2.KEERTHANA –I ECE-B has attended Unjumble event in the National level Techfest – Technovit held at VIT, Chennai, on 21st September 2019. 3.BADRI NARAYAN – I ECE-A B has attended Lens Reflex event in the National level Techfest – Kratos 2.0 held at Easwari Engineering College, Chennai, on 30th September 2019.
3.	**Awards/Prize won by students**	1.MOHANA PRIYA –I ECE-B has won second place in paper presentation in the National level Techfest – Invente 4.0 held at SSN College of Engineering, Chennai on 13th& 14th September 2019. 2.KEERTHANA –I ECE-B has won First place in Unjumble event

Sl. No.	Photographs Captured During Events	Remarks
		in the National level Techfest – Technovit held at VIT, Chennai, on 21st September 2019. 3.BADRI NARAYAN – I ECE-A B has won First place in Lens Reflex event in the National level Techfest – Kratos 2.0 held at Easwari Engineering College, Chennai, on 30th September 2019.

DEPARTMENT OF MATHS

Sl. No.	Photographs Captured During Events	Remarks
1.	 **Prize Distribution Tricky Teasers** **Prize Distribution- Colour's N Contours** **Participants**	National Level Mathematical symposium "JETSIGMA -19" was conducted on 21st September 2019 by St. Joseph's College of Engineering Maths Club. The members of the club organized various events like TRICKY TEASERS, COLOURS N' CONTOURS, KARO YA MARO, TREASURE TRAIL, MATH-STROLL to explore the knowledge and ability of the participants from various colleges and conducted the events quite sincerely and with efficient time management. Out of 101 entries through ONLINE REGISTRATION, 91 students participated from 20 colleges all over Tamil Nadu. The first three positions in each of the events were awarded with a total cash prize of Rs. 30,000 along with the merit certificates.

Sl. No.	Photographs Captured During Events	Remarks

S. No.	Name of the Event & No. Teams	I Prize : Rs. 3000/-	II Prize : Rs. 2000/-	III Prize : Rs. 1000/-
		Name(s) of I Prize Winners	**Name(s) of II Prize Winners**	**Name(s) of III Prize Winners**
1	**TRICKY TEASERS** (19 Teams)	SANKAR BABU G	1. HARISH M V 2. NITHIN KUMAR S	1. VIHAS S 2. SUBRAMANIAM S
		SRM VALLIAMMAI ENGG. COLLEGE, CHENNAI	**SRI SAIRAM ENGG. COLLEGE, CHENNAI**	**SRI SAIRAM INSTITUTE OF TECHNOLOGY, CHENNAI**
2	**COLOURS N' CONTOURS** (25 Teams)	ANKIT GOYAL	1. ANTONY APHIA P 2. DURGA DEVI C 3. SAMUNDEESWARI	1. SARAVANAN P 2. ABHINAYA G NAMBIAR
		VELAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI	**STELLA MARIS COLLEGE, CHENNAI**	**DG VAISHNAV COLLEGE, CHENNAI**
3	**KARO YA MARO** (28 Teams)	1. SUBHA SHREE K 2. KAVITHA S	1. SAI SIVAAKULA 2. HARI PRASATH S S	1. HARISH M V 2. NITHIN KUMAR S
		GURU NANAK COLLEGE, CHENNAI	**VELAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI**	**SRI SAIRAM ENGG. COLLEGE, CHENNAI**
4	**TREASURE TRAIL** (31 Teams)	1. HANYA ASHRAF 2. KRISHNA MANJUNATH V 3. RAJAKUMARI V	1. VIGNESH M 2. SHEIK MIHIDEEN A	1. RAM ABINESH R A 2. ALEX T BIJU
		VIT, CHENNAI	**GURU NANAK COLLEGE, CHENNAI**	**KCG COLLEGE OF TECHNOLOGY, CHENNAI**

<table>
<tr><th>Sl. No.</th><th>Photographs Captured During Events</th><th>Remarks</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td rowspan="2">5</td><td rowspan="2">MATH-STROLL
(28 Teams)</td><td>1. DEENADAYALAN S
2. SEETHALAKSHMI G</td><td>1. PAKSHAAL K JAI
2. SHREYARIKRAJ
3. NIKAN R RAJPUROHIT</td><td>1. SUPRAJA
2. SIDOAGUNTA LIKITHA
3. ATCHAYA S</td></tr>
<tr><td>St. PETER’S INSTITUTE OF HIGHER EDUCATION, CHENNAI</td><td>KCG COLLEGE OF TECHNOLOGY, CHENNAI</td><td>VELAMMAL ENGG. COLLEGE, CHENNAI</td></tr>
</table>
</td></tr>
<tr><td>2.</td><td>Awards/Prize won by students</td><td>
<table>
<tr><th>S.NO</th><th>NAME</th><th>BRANCH & SEC</th><th>EVENT</th><th>ORGANIZED BY</th><th>PRIZE</th></tr>
<tr><td>1</td><td>R.Sangeetha Nesan</td><td>I CSE C</td><td>Project Contest</td><td>“Innovators Day 2019” - Sri Manakula Vinayagar Engineering College</td><td>Best Innovator</td></tr>
<tr><td>2</td><td>B. Adhi Keshav</td><td>I ECE A</td><td>IPL Auction</td><td rowspan="2">“Enacts –’19 ” Rajalakshmi College Of Engineering</td><td rowspan="2">II</td></tr>
<tr><td>3</td><td>K.Deepak Nithin</td><td>I ECE A</td><td>IPL Auction</td></tr>
</table>
</td></tr>
<tr><td>3.</td><td>Publications(only published) details</td><td>1. Dr. J. Clement, “Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems “, International Journal of Quantum Chemistry, September 2019.
2. Dr. N. Jose Parvin Praveena, “Critical path through Interval valued Hexagonal Fuzzy Number”, International
Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075 , Volume-8, Issue-11, 1190-
1193, September 2019</td></tr>
</table>