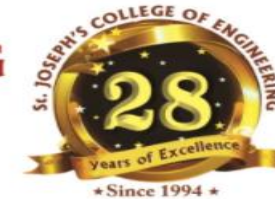




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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**1. Event Conducted:**

**The event conducted during the month of January 2021 at State Level**

**OPTICA STUDENT CHAPTER: Enquista**

**Report**

A Memorable event which has been conducted in 4 areas for the school students of classes 8<sup>th</sup>,9<sup>th</sup>,10<sup>th</sup>,+1,+2 on the topic “**ENQUISTA**”. It was organized by the Officers and Members of OPTICA STUDENT CHAPTER, St. Joseph's college of Engineering OMR Chennai via the Google meet platform on the 29<sup>th</sup>&30<sup>th</sup> Jan 2022 . The Event was organized by Mr. Harish Namashivayam (President), Mr. Giridharan(vice president), Ms. Niranjana devi(secretary), Mr. Tharun Prasath(treasurer),Ms.Shriya Mukundan(publicity officer) and Mr. Sethuraman (Event Manager) of OPTICA STUDENT CHAPTER, ECE Department, St.Joseph's College of Engineering. About 264 school students of various schools participated in each of the four technical competitions like Just Talk,Sci- Pi, Now you know and Squid Game. Good Feedback from the school students inspired us to conduct more such events in future.



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Counselling Code:1317



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**OPTICA**  
Advancing Optics and Photonics Worldwide

in association with  
**OPTICA STUDENT CHAPTER**  
PROUDLY PRESENTS

# ENQUISTA

AN EVENT FOR SCHOOL STUDENTS



Just Talk  
(TED TALK)



Sci- $\pi$   
(SCIENCE FAIR)



LOADING.....



Now you Know!  
(DAY TO DAY  
APPLICATION)



E-CERTIFICATES and PRIZES WILL BE GIVEN  
EXCLUSIVELY FOR 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> AND 12<sup>th</sup>

→ <https://forms.gle/jmqrvbzcwT85mAGj9>

DATE  
29 AND 30<sup>th</sup>  
JANUARY 2022

Chief Patron

**Dr. B. BABU MANOHARAN** M.A., M.B.A, Ph.D.

Chairman, St. Joseph's Group of Institutions

Patrons

Mrs. S. Jessie Priya M.Com.  
Managing Director, St. Joseph's Group of Institutions

Mr. B. Shashi Sekar M.sc.  
Executive Director, St. Joseph's Group of Institutions

Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D.  
Principal, St. Joseph's College of Engineering

Dr. B.Parvathavarthini M.Sc., M.B.A., M.E., Ph.D.  
Dean(Research), St. Joseph's College of Engineering

Convenors:-

Dr.B.Victoria Jancee M.E, PhD  
HOD-Staff Affairs

Dr. S. Aghalya M.E, PhD  
HOD-Student Affairs

Dr. P. Ezhilarasi M.E, PhD  
HOD-Lab Affairs

Staff Coordinator:-

Dr.B.Vasudevan M.E, Ph.D

Student Coordinators:-

Harish Namasivayam M - +91 7358840228

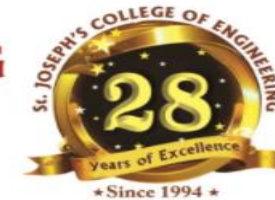
Giridharan B - +91 9790433671

Niranjana Devi J - +91 9940620025

For Admissions Visit-[www.stjosephs.ac.in](http://www.stjosephs.ac.in)/[www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact-9940104881/9940104882



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## 2. FDP attended by the Staff :

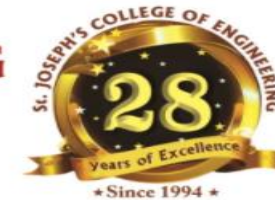
The following staff members have attended the FDP held during January 2022 at National/International Level

S.No	Name of the Staff	FDP Detail	Organization	Duration	Date
1.	Mrs. P. Thenmozhi	AICTE- ISTE INDUCTION / REFRESHER PROGRAMME on LOW POWER VLSI SYSTEM DESIGN	Walchand Institute of Technology, Solapur, Mahar ashtra	6 Days	10/1/2022 to 15/1/2022
2.	Mr. M. Lingeshwaran	The Trends of Research and Development of Electronics and Communication Area	ATAL, NIT Manipur	5 Days	17-01-2022 to 21-01-2022
3.	Mr. C. Ashok	Signal Processing for Cognitive Neuroscience Applications	AICTE Training & Learning (ATAL), NIT Meghalaya	5 Days	17-01-2022 to 21-01-2022






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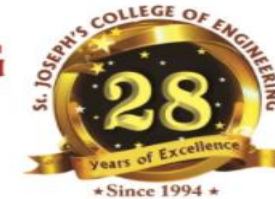



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

S.No	Events	Remarks	
1.	<p><b>FACULTY DEVELOPMENT PROGRAM</b></p> 	<p>Dr. M Ramesh Babu</p>	<p style="text-align: right;"><b>Criteria 6</b></p> <p>has participated in Faculty Development Program on Microsoft Azure Fundamentals, conducted by ICT Academy on 16 Feb 2022 to 18 Feb 2022</p>
		<p>Dr.M.Venmathi</p>	<p>Attended 2 weeks FDP on “ Trends and Challenges in EV ecosystem” organised by EEE Dept of KCG College of Technology from 01.01.2022 to 13.01.2022.</p>
		<p>Ms.S.Gomathi</p>	<p>Attended 3 days virtual Training of Trainers (TOT) program on Solar Business Development and Energy Efficiency, from 27th to 29th January, 2022, organized by the Institute of Sustainable Communities (ISC), and Ram Kalam Centre for Energy Consultancy, Coimbatore, with generous support provided by the ClimateWorks Foundation.</p>
		<p>Ms.S.P. Vedavalli</p>	<p>Attended 3 days virtual Training of Trainers (TOT) program on Solar Business Development and Energy Efficiency, from 27th to 29th January, 2022, organized by the Institute of Sustainable Communities (ISC), and Ram Kalam Centre for Energy Consultancy, Coimbatore, with generous support provided by the ClimateWorks Foundation.</p>



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		Dr. A.Jamna Attended an Online FDP on “Soft Computing Techniques for Electrical Systems” on 16.02.2022 (Wednesday) & 17.02.2022 (Thursday) organized by Dept. of Electrical and Electronics Engineering, Loyola-ICAM College of Engineering & Technology, Chennai.																			
		Dr. Anitha Attended 3 days virtual Training of Trainers (TOT) program on Solar Business Development and Energy Efficiency, from 27th to 29th January, 2022, organized by the Institute of Sustainable Communities (ISC), and Ram Kalam Centre for Energy Consultancy, Coimbatore, with generous support provided by the ClimateWorks Foundation.																			
2.		<p style="text-align: right;"><b>Criteria 6</b></p> <p>Our staff member's successfully completed 4 credit course “Principle of Electrical Sciences” offered by IGNOU, New Delhi</p> <table border="1" data-bbox="1001 1084 1749 1429"> <thead> <tr> <th>S.No</th> <th>Name of the Faculty</th> </tr> </thead> <tbody> <tr><td>1.</td><td>Dr.M.Ramesh Babu</td></tr> <tr><td>2.</td><td>Dr.N.Chidambararaj</td></tr> <tr><td>3.</td><td>Dr.P.Anbarasan</td></tr> <tr><td>4.</td><td>Dr.A.Jamna</td></tr> <tr><td>5.</td><td>Mr.R.Elanthirayan</td></tr> <tr><td>6.</td><td>Mr.C.Venkateshkumar</td></tr> <tr><td>7.</td><td>Mr.N.Jeyaprakash</td></tr> <tr><td>8.</td><td>Mr.R.Sreekanth</td></tr> </tbody> </table>		S.No	Name of the Faculty	1.	Dr.M.Ramesh Babu	2.	Dr.N.Chidambararaj	3.	Dr.P.Anbarasan	4.	Dr.A.Jamna	5.	Mr.R.Elanthirayan	6.	Mr.C.Venkateshkumar	7.	Mr.N.Jeyaprakash	8.	Mr.R.Sreekanth
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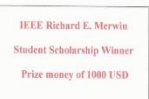




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<p>3.</p>	<p>The Management, Principal and the Faculty Members congratulate Mr. T. Arangan Rishikesh, 2018 – 2022 Batch; B.E. Electrical &amp; Electronics Engineering for winning the IEEE Richard E. Merwin Student Scholarship provided by IEEE Computer Society and for receiving the prize money of 1000 USD.</p> <div data-bbox="430 568 787 673" style="border: 1px solid black; padding: 5px;">  <p>Mr. T. Arangan Rishikesh 2018 – 2022 Batch/EEE</p>  <p>IEEE Richard E. Merwin Student Scholarship Winner Prize money of 1000 USD</p> </div> <p><b>PIC: congratulation circular</b></p>	<p>Our student Mr.T.Rangan Rishikesh, 2018-2022 batch has got the IEEE Richard E.Merwin student scholarship winner prize money of 1000 USD.</p>
<p>4.</p>	 <p><b>PIC: IEEE event poster</b></p>	<p>IEEE Women In Engineering AG under St. Joseph's College of Engineering Student Branch Chapter organised "<b>SMART GRADE - A Women Leader Quiz Contest</b>" for School Diploma and College students from february 22nd to February 25th of 2022. A <b>women leader quiz contest</b> has a motive to gain more knowledge about women's achievements . The event was coordinated by Ms. Deepika U , Ms. Abinayaa Sri T, Ms. Christel Peeris R, Ms. Ramya R . Around 45 students participated in this contest. Merit Certificates were provided to the Winners and E- Certificates were provided to all the participants .</p>
<p>5.</p>	 <p><b>PIC: IEEE event poster</b></p>	<p>IEEE Women In Engineering AG under St. Joseph's College of Engineering Student Branch Chapter organised "<b>SPEAKERS FORUM</b>"- An elocution event, was conducted from 22.02.2022 to 28.02.2022 with 35 participants. The event was coordinated by Jamuna U, Abinayaa Sri T, Christel Peeris R, Ramya R and Kaviya P. The participants exhibited their talents in relation to the assigned topic "<b>GENDER EQUALITY IN REALITY</b>". The winners were Ms.Arthi (1st), Ms. Tamizhselvi (2nd) and Ms. Sathya(3rd).They were provided with merit certificates and all the participants were provided with participation certificates.</p>





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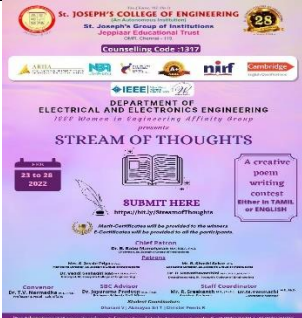


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<p>6.</p>	 <p style="text-align: center;"><b>PIC: IEEE event poster</b></p>	<p>IEEE Women In Engineering AG under St. Joseph's College of Engineering Student Branch Chapter organized "<b>STREAM OF THOUGHTS - A CREATIVE POEM WRITING CONTEST</b>" for School, Diploma and College students from February 23rd to February 28th of 2022. A <i>Creative poem writing contest</i> has a motive to gain more knowledge about women's achievements . The event was coordinated by Ms. Dharani V, Ms. Abinayaa Sri T, Ms. Christel Peeris R. Around 45 students participated in this contest. Merit Certificate was provided to the Winners and also E- Certificates was provided with participants</p>
<p>7.</p>	 <p style="text-align: center;"><b>PIC: IEEE event poster</b></p>	<p>The IEEE SJCE SB Maanavar Mandram of St Joseph's College of Engineering, conducted a riddle event 'தமிழில் தேடு' related to Tamil Literatures. 50 people registered through the registration, 35 of them participated in the event and best three were given winners certificate and the others were provided with participation certificate. The student coordinators for this event are Mani Sha N , Akshaya Krishnan , Amirtha Varshini , Jaya Shruthi , Godson S V Noble</p>
<p>8.</p>	 <p style="text-align: center;"><b>PIC: IEEE event poster</b></p>	<p>IEEE IAS SJCE conducted a quiz event "TRASFORMATORE". About 30 participated in this event. It was conducted by providing link of the quiz in Gform, the participants were allowed to answer the questions that is been asked through description. E-Certificates were distributed to the students who had participated in the event. This event indeed helped the participants to let them know about their understandings on transformers. Winners were awarded with merit certificates and winners were Ms. Poojasree K(1), Mr. Siran P (2), Mr. Shiv kumar easwar B(3). Student Coordinators were the IAS</p>



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		team.
9.	 <p><b>PIC: IEEE event poster</b></p>	IEEE IAS SJCE is conducting an event “IND EXPO’22”, industrial visit series. In the very first company, ANDSLITE, about 30 participated to witness the manufacturing unit of the company. It was conducted through google meet considering the pandemic. E-Certificates were distributed to the students who had participated in the event. This event indeed helped the participants to let them know about the manufacturing process of an object that we are using in our day-to-day life. Student Coordinators were the IAS team.
10	 <p><b>PIC: IEEE event poster</b></p>	Choco Hunt was organized by IEEE SJCE SBC under IEEE Robotics and Automation Society for the college students. The event was conducted in Google form It is a amazing quiz event Conducted for students to make them to know interesting fact about chocolate products on 25th February 2022. Of over 13 students participated in it and got benefited. E-Certificates are distributed to the participants. Student Coordinators S.Abina, G.Aparnaa, M.Abinaya, S.Keerthana, K.Sunitha, J.Nithin Joel, R.Gokul Kumar coordinated the event with Mr. R. Sreekanth, IEEE SB Counselor.





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<p>11</p>	 <p><b>PIC: IEEE event poster</b></p>	<p>Brainiac Logical Reasoning contest was organized by IEEE SJCE SBC under IEEE Robotics and Automation Society for the college students. The event was conducted in Google form It is a logical reasoning quiz conducted to test the aptitude level of the students on 26<sup>th</sup> February 2022. Of over 40 students participated in it and got benefited. E-Certificates are distributed to the participants. Student Coordinators S.Abina, G.Aparnaa, M.Abinaya, S.Keerthana, K.Sunitha, J.Nithin Joel, R.Gokul Kumar coordinated the event with Mr.R. Sreekanth, IEEE SB Counselor.</p>
<p>12</p>	 <p><b>PIC: IEEE event poster</b></p>	<p>The IEEE Power Electronics Society of St Joseph's College of Engineering Organized the “Bright Reds Bash”, a virtual fun gathering for different student branches, on February 27, 2022. We invited the following Four SB’s Pels members for the event (Panimalar Institute of Technology, Sri Sairam Engineering College, Jeppiaar Engineering College and Knowledge Institute of Technology) We had a fun time chatting in Google Meet with each other and to see new faces from different student branches. We discussed about pels activities from Each SB and also planned to do more collaborated events in the future. Then in gather town platform, a variety of games have been conducted, including Pictionary and bomb-squad and the partakers really seem to enjoy it. Lastly, Special appreciation were given to the student branches who played best, and the feedback was asked to all. After the Event E certificates were given to all the participants for attending this get together. The student coordinators for this event were Elanchezhiyan R J, Karthikeyan M, Jesse S, Alwyn Samuel M, Divya Lakshmi G, Poojasree K, Hema K.</p>



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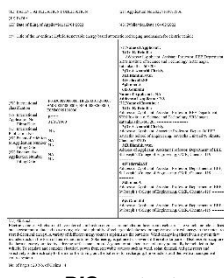

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13	 <p style="text-align: center;"><b>PIC: event poster</b></p>	<p>Our Social Awareness Club organized a Technical event named “ELECTRO-FEST” for the II year students. The event was conducted in the Google meet on 6<sup>th</sup> February 2022. Of over 30 students participated in it and got benefited. E-Certificates are distributed to the participants.</p> <p>Winner’s list:          1st Place – ARUTHRA S          2nd Place – KEERTHANA KUMAR          3rd Place – HARIHARAN N &amp; RITHIKA S</p>
14	 <p style="text-align: center;"><b>PIC: patent</b></p>	<p style="text-align: right;"><b>Criteria 1</b></p> <p>Our department staff members R.Elanthirayan, vedavalli.S.P, Dr.Jamna.A and S.Gomathi published the patent title “hybrid renewable energy based automatic recharging mechanism for electric vehicle”</p>
15	 <p style="text-align: center;"><b>PIC: Certificate</b></p>	<p>Our department students Sruthi VM, Santhosh chakkravathy S, SL.Praveenraj, Shiudhurag krishna, Mohankumar N, N.Mani sha, Alfred Einstein, J.Priyanka Jayakumar, LM Maria Shirley john, J.A.Shivagurunathan, M.Amirtha varshini, M.Vignesh and viveka.M participated and completed projected title “igengreen9mantros presentation” IGEN Energy 99 challenge live presentation with public to created save one unit per day promotion to 99 public in 99 days</p>



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**Placement Details for month Feb 2022**

1. 312318105117- RICKY JOHN- SOFTURA TECHNOLOGIES
2. 312318105010- AGNES HARRIS FERNANDO NEWGENESIS
3. 312318105011 - AJAY JERISH NEWGENESIS
4. 312318105158- YUSHWANTH  
L&T

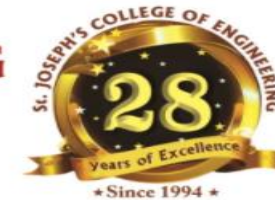
Total no of students placed = 131 UG & 3 PG

Total no of offers = 218 offers





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**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Sl. No.	Title	Detail					
1	<b>Webinar/ FDP Attended By Faculty</b>	S.No	Faculty Name	Date	Webinar /Fdp attended/ workshop	Conducting agency	No. of days
		1.	C.RAMADEVI	21/2/22 to 25/2/22	FDP On Machine learning for signal processing	KGISL Institute of Technology	5 days
		2.	M.Angelin Ponrani	24/1/22 to 4/2/22	Training Programme on MatLab and LabVIEW Programming for Engineering Applications	NITTTR , Chennai	2 Weeks
			D.SANKARA N	07-02-22 to 11-02- 22	ATAL FDP on "Robotics and Artificial Intelligence"	AICTE Training And Learning (ATAL) Academy,	05 Days
			D.SANKARA N	21-02-22 to 26-02-22	FDP on "Machine Learning and Deep Learning"	Easwari Engineering College, Chennai	06 Days
			B.Senthil Kumar	11-02-2022 to 15-02-2022	FDP on "Computational Mathematics using Computer Algebra Systems with Applications to Machine Learning	Institute of Chemical Technology ,Bombay	05



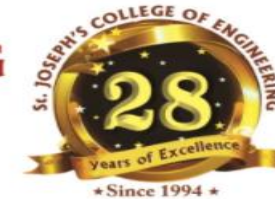
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2	<b>Publications</b>	S.No	Faculty	Title of the paper	Date	Journal
		1	Dr. V. RAJINIKANTH	Application of local configuration pattern for automated detection of schizophrenia with electroencephalogram signals	3rd February	Expert Systems (IF: 2.587) <a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.12957">https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.12957</a>
		2	Dr. V. RAJINIKANTH	Fusion-Based Deep Learning Model for Hyperspectral Images Classification	24th February	Computers, Materials & Continua (IF: 3.774) <a href="https://www.techscience.com/cmcc/v72n1/46852">https://www.techscience.com/cmcc/v72n1/46852</a>
3.	<b>Webinar/ Workshop/ school event Conducted</b>	S.NO	Date	Name of the Event	Targeted Participants	Faculty Coordinator
		1.	24-02-2022	School event	XI, XII STD and Diploma	Mr.D.SANKARAN Mr.R.ELAVARASAN
		2	12-02-2022	School event	XI, XII STD and Diploma	B.Senthil Kumar Kirthini Godweena



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**DEPARTMENT OF MECHANICAL ENGINEERING**

Sl No	Name of the Activity	Remarks
1	Staff Publications: 	<ul style="list-style-type: none"> <li>➤ NE Arun Kumar, Suresh babu, M Subramanian, N Arunkumar (2022), Influence of MQL on performance evaluation of EN19 steel under centreless grinding, <i>Materials and Manufacturing Processes</i> <a href="https://doi.org/10.1080/10426914.2022.2032142">https://doi.org/10.1080/10426914.2022.2032142</a></li> <li>➤ R Rangaraja, M. Magesh, "Studies on Mechanical and Morphological of TIG Welded Aluminium Alloy", <i>Materials Today Proceedings</i>.  <b>Doi ; <a href="https://doi.org/10.1016/j.matpr.2022.02.001">10.1016/j.matpr.2022.02.001</a></b></li> </ul>
2	Books Published	<b>Mr.N.Sathish kumar Co- Authored one book:</b> University: Savitribai Phule Pune University Branch: Tool Engineering Semester: VI Elective II Sub. Code: 302052(A)





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		<p><u>“Composite Materials”, Anup Goel, A.Jacob Moses, Dr. Renjin J. Bright, N. Sathishkumar, Volume: 1, First Edition, Pages: 200.ISBN:978-93-91567-55-2</u></p>
3		<p><b>Mr.N.Sathish kumar</b> received certificate of reviewing from materials Today :Proceedings</p>