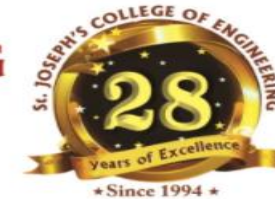




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St. JOSEPH'S COLLEGE OF ENGINEERING
 (An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
 OMR, Chennai - 119.



MARCH 2022

Department Of Electronics And Communications Engineering

1. Events conducted:

The following events have been conducted by various chapter/Forum during March 2022 at National/International Level

1. OPTICA STUDENT CHAPTER	Report
	<p>A Memorable event has been conducted for the students of St. John's Matriculation Higher Secondary School Perungalathur, Chennai-63 for the classes 9th,10th,+1,+2 . It was organized by the officers and members of OPTICA STUDENT CHAPTER, St. Joseph's College of Engineering OMR Chennai on the 15th March 2022. The following 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 OSA STUDENT CHAPTER, ECE Department, St.Joseph's College of</p>



Engineering. More than 300 school students took part in this educational and informative event. 31 Members of OPTICA STUDENT CHAPTER, St. Joseph's College of Engineering OMR Chennai have taken part in organizing and conducting this successful event. Various exhibits were presented for the school students and these exhibits include the demonstration of various concepts in optics and recent trends and fields in Electronics and Communication Engineering.

2. IEEE Student Branch- QUIZ-TRONICS

Report

An Online quiz event “Quiz-Tronics” was conducted by Department of ECE, St. Joseph's College of Engineering, in association with IEEE Student Branch Chapter exclusively for IEEE students on 19.03.22. Around 30 students from second and third year IEEE Members are actively participated in the event and certificates were distributed to the winning individuals

3. IETE Students Forum – ISF Inauguration

Report

St. Joseph's College of Engineering
(An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
OMR, Chennai - 119

COUNSELLING CODE - 1317

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
in association with
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

**Organising the Inaugural Function of
IETE STUDENT FORUM - ISF**

by our honourable **Chief Guest**
Dr. N. Venkateswaran Ph.D.
Professor, Department of ECE, SSNCE
Chairman-IETE Chennai Centre

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

Convenors
Dr. B. Victoria jancee M.E.Ph.D
HOD-Staff Affairs
Dr. S. Aghalya M.E., Ph.D.
HOD-Student Affairs
Dr. P. Ezhilarasi M.E., Ph.D
HOD- Lab Affairs

Coordinators
Dr. Shirley Selvan, M.E. Ph.D,
Associate Professor
Dr. D. Lakshmi, M.E. Ph.D,
Associate Professor

Students Coordinators - Vignesh D IV Year C
, Monish V T IV Year B

*For Admissions: Visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or
Contact: 9940104881 / 9940104882

The formal inauguration of the IETE Students Forum in association with the Department of Electronics and Communication Engineering, St. Joseph's College of Engineering, OMR, Chennai-119 was held on 23/03/2022 with Dr. N. Venkateswaran, Professor, Department of Electronics and Communication Engineering, SSN College of Engineering and Chairman IETE Chennai centre, as the Chief Guest. This event was organized by Dr. Shirley Selvan, Dr. D. Lakshmi and the Student Coordinators. The occasion was graced by the Chief patron, Dr. B. Babu Manoharan, the Patrons, Mrs. S. Jessie Priya and Mr. B. Shashi Sekar, the Principal, Dr. Vaddi Sheshagiri Rao, the Dean, Dr. B. Parvathavarthini and HODs, Dr. B. Victoria Jancee, Dr. S. Aghalya and Dr. P. Ezhilarasi.

4. IETE Students Forum - ISF – Technical Seminar

Report

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 OMR, Chennai - 119

COUNSELLING CODE - 1317

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
In association with
IETE STUDENT FORUM - ISF
 THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
Organising a Technical Seminar on
Fundamentals of Wireless Communication

by
Dr. N. Venkateswaran Ph.D.
 Professor, Department of ECE, SSNCE
 Chairman-IETE Chennai Centre

“
 23.03.2022
 8.30 AM to 9.30 AM
 AV Hall, Central Library,
 St. Joseph's College of Engineering
 ”

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 Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering	Mr. B. Shashi Sekar M.Sc. Executive Director, St. Joseph's Group of Institutions 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.Ph.D. HOD-Staff Affairs Dr. S. Aghalya M.E., Ph.D. HOD-Student Affairs Dr. P. Ezhilarasi M.E., Ph.D. HOD- Lab Affairs	Coordinators Dr. Shirley Selvan, M.E. Ph.D., Associate Professor Dr. D. Lakshmi, M.E. Ph.D., Associate Professor
---	---

Students Coordinators - Vignesh D IV Year C
 , Monish V T IV Year B

*For Admissions: Visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or
 Contact: 9940104881 / 9940104882

A technical seminar on "Fundamentals of Wireless Communication" presented by Dr. N. Venkateswaran, Professor, Department of Electronics and Communication Engineering, SSN College of Engineering and Chairman IETE Chennai centre. He also gave a brief glimpse about the happenings of IETE and how the students could benefit from it. He caught the whole attention of the gathering, while he was talking about how the wireless mode of communication has advanced in recent times and also kindling the interest of the students by giving real-life, day-to-day examples. Finally, the event was concluded with vote of thanks.

5. OPTICA STUDENT CHAPTER- Event

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 Counselling Code:1317

28
 Years of Excellence
 Since 1994

Cambridge English Qualifications | nirf | NBA | NAAC | INSTITUTION'S INNOVATION COUNCIL | ARIIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
 in association with
OPTICA PROUDLY PRESENTS
CIENCIA
 DATE: 30 MARCH 2022 WEDNESDAY (10AM-12:20PM)

PROJECT CONTEST FOR OPTICA MEMBERS
 Merit certificates will be awarded for the winners

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

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Dr.B.Victoria Jancee M.E, PhD
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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/www.stjosephstechnology.ac.in or contact:9940104881/9940104882

Report

A Memorable event which has been conducted for the members of the OPTICA STUDENT CHAPTER St. JOSEPH'S COLLEGE OF ENGINEERING . It was organized by the Officers and Members of OPTICA STUDENT CHAPTER, St. Joseph's College of Engineering OMR Chennai on 30/03/2022 . The following 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. Various teams participated in this competition.. The competition was based on the TECHNICAL side completely. The participants were made aware of the upcoming activities of the optica student chapter and concluded by encouraging the participants to join the upcoming OPTICA STUDENT CHAPTER events.

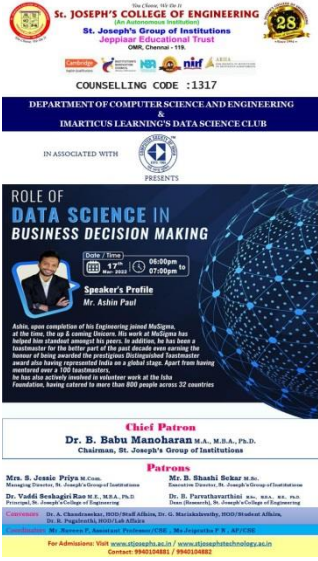
6. FDP attended :**The following staff members have attended the FDP held during March 2022 at International Level**

S.No	Name of the Staff	FDP Detail	Organization	Duration	Date
1.	Dr. A. Swarnalatha	AI and Machine Learning for IoT/EDA	Online Mode: Electronics and ICT Academy at MNIT Jaipur and NIT Patna	10 Days	07th to 17th March, 2022

7. Publications:**The following staff member have published her research paper during the month of March 2022 in the international journal.**

S. No.	Name of the Staff	Title of the Publication	Journal/Conference	Date & Year of Publication	Indexing
1	Dr. A. Swarnalatha	Spectrum Resource Optimization in Elastic Optical Networks using Dynamic RMSA	Optical and Quantum Electronics, 54, 260 https://doi.org/10.1007/s11082-022-03642-7	March 2022	SCI / WoS


Department of Computer Science and Engineering

Sl. No.	Event with Photo	Description
1	<p data-bbox="268 232 1062 264">Guest Lecture – Role of Data Science in Business Decision Making</p> <div data-bbox="590 316 905 873"><p data-bbox="590 316 905 365">St. JOSEPH'S COLLEGE OF ENGINEERING St. Joseph's Group of Institutions Jeppiyaar Educational Trust CMB, Chennai - 119.</p><p data-bbox="590 381 905 406">COUNSELLING CODE : 1317</p><p data-bbox="590 414 905 446">DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING By SMARTICUS LEARNING'S DATA SCIENCE CLUB</p><p data-bbox="590 454 905 495">IN ASSOCIATION WITH PRESENTS</p><p data-bbox="590 503 905 560">ROLE OF DATA SCIENCE IN BUSINESS DECISION MAKING</p><p data-bbox="590 568 905 592">Speaker's Profile Mr. Ashin Paul</p><p data-bbox="590 600 905 714">Ashin, upon completion of his Engineering joined Microsoft, of the time, the M.C. Group, Chennai. His work at Microsoft has helped him understand through his work, to solution, he has been a trailblazer for the better part of the past decade ever raising the banner of being amongst the youngest International Business award also having represented India on a global stage. Apart from having mentored over 500 students, he has also actively involved in volunteer work at the Isha Foundation, having catered for more than 100 people across 12 countries.</p><p data-bbox="590 730 905 771">Chief Patron Dr. B. Babu Manoharan M.A., M.E.A., Ph.D. Chairman, St. Joseph's Group of Institutions</p><p data-bbox="590 779 905 812">Patrons Mrs. B. Jessie Priya M.Com. Managing Director, St. Joseph's Group of Institutions Dr. Vadali Sankaraj Reddy M.E., M.E.A., Ph.D. Professor, St. Joseph's College of Engineering Dr. B. Parvathareddy M.Sc., M.A., M.Tech. Dean (Operations), St. Joseph's College of Engineering</p><p data-bbox="590 820 905 852">Coordinator: Mr. A. Mahalingam (9952105408) / 9952105408, Mr. G. Mahalingam (9952105408) / 9952105408 Coordinator: Mr. Anand (9952105408) / 9952105408, Mr. Anand (9952105408) / 9952105408</p><p data-bbox="590 860 905 873">For Admissions: Visit www.stjosephs.ac.in / www.stjosephschoohs.org.in Contact: 9952104881 / 9952104882</p></div>	<p data-bbox="1232 232 1478 264">Date : 17.03.2022</p> <p data-bbox="1232 267 1543 300">Venue : Placement Block</p> <p data-bbox="1232 303 1606 336">Nature of Event : Guest Lecture</p> <p data-bbox="1232 339 1749 371">Participants : CSE Department Students</p> <p data-bbox="1232 375 1610 431">Guest Speaker : Mr.Ashin Paul MuSigma</p> <ul data-bbox="1243 467 2032 738" style="list-style-type: none">• Objective:<ul style="list-style-type: none">• Focused to get an introduction to Data Analytics and its role in business decisions• Introduced to a framework for conducting Data Analysis and what tools and techniques are commonly used• How to use the data science tools to extract meaning from text data sources to better understand social media feedback and discussion <p data-bbox="1232 742 1352 774">Outcome:</p> <ul data-bbox="1274 777 2032 880" style="list-style-type: none">• Gained knowledge about the use of data science in business decision making• The tools used for data science applications


Department of Civil Engineering


Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks (Minimum 300 words) in regarding the status of activity execution stating
1.	FDP/Workshop/Conference attended	<ul style="list-style-type: none"> ● S.Banupriya have attended the First International Virtual conference on Minerals, Materials and Manufacturing Method by presenting the paper titled Improving The Shear Strength Behaviour of Soil Using Soil Stabilization By Cow-Dung during 18.3.2020-19.3.2022 ● Mr.S.Thangaperumal have attended the 3rd International Conference on Data Science and Applications by presenting the paper titled “Spatio-temporal Analysis of Urbanization by using Supervised Image Classification with Correlation of Land Surface Temperature and Topography” on 26.03.2022-27.03.2022
2.	STTP / Webinar Attended	<ul style="list-style-type: none"> ● Ms.S.Banupriya, Ms.R.Ruthra & Mr.P.Sri Balaji were attended the Training programme through Distance learning on Land Use Land cover mapping through Remote Sensing conducted by National Water Academy Pune during 15.3.2020-17.3.2022
3.	Publications (only published) details	<ul style="list-style-type: none"> ● Dr.K.Vijai published a paper titled “Influence of marine sand as fine aggregate on mechanical and durability properties of cement mortar and concrete” in <i>Materials Research Express</i> Journal Vol 9, No.3, March 2022. (Web of Science and Scopus Indexed) ● Ms.S.Banupriya published a paper titled “The effective utilization of construction materials” in <i>Materials Today : Proceedings</i> Vol 52, Part .3, March 2022. (Scopus Indexed)

Department of Information Technology

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
1	 <p style="text-align: center; margin-top: 10px;">Patent published by Dr.L.Sherly Puspha Annabel</p>	<p style="text-align: right; margin-bottom: 10px;">(Patent by Staff)</p> <p>Title of the invention : Smart Contract Based Fog Resource Accessibility and Distribution Permittance through Blockchain</p> <p>Name of Inventors :</p> <ol style="list-style-type: none"> 1. Dr.S.Selvi 2. D. MohanaPriya 3. Dr.R.Sridevi 4. Dr.I. Sharath Chandra 5. Dr.L.Sherly Puspha Annabel 6. Dr.M.Gobi 7. Dr. R. Thiagarajan <p>Patent Number: 202241005105</p> <p>Filing Date: 31-01-2022</p> <p>Publication Date: 11-2-2022</p>

Department of Mechanical Engineering

SI No	Name of the Activity	Remarks																								
1		<p>➤ Team VELOC-E-RAPTOR from third year mechanical secured 3rd Position in maneuverability and overall 8th position overall southern section. The event was organized in Bannari Amman Institute Of Technology, Sathyamangalam by SAE INDIA, southern section.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="width: 10%;">S.no</th> <th style="width: 30%;">Register no</th> <th style="width: 60%;">Name</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1.</td><td style="text-align: center;">312319114047</td><td>Ganesan. S</td></tr> <tr><td style="text-align: center;">2.</td><td style="text-align: center;">312319114060</td><td>Harshith Raj .I.K</td></tr> <tr><td style="text-align: center;">3.</td><td style="text-align: center;">312319114061</td><td>Hemanand .E. A</td></tr> <tr><td style="text-align: center;">4.</td><td style="text-align: center;">312319114083</td><td>Labib Mohammed Irshaad</td></tr> <tr><td style="text-align: center;">5.</td><td style="text-align: center;">312319114089</td><td>Manav Ajai</td></tr> <tr><td style="text-align: center;">6.</td><td style="text-align: center;">312319114100</td><td>Navin Sales Michael. J</td></tr> <tr><td style="text-align: center;">7.</td><td style="text-align: center;">312319114106</td><td>Pranav Narayanan</td></tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">FACULTY MENTORS</p> <p style="text-align: center;">Mr. T. Balasubramanian., M.E., (Ph.D) & Mr. K.M. B. Karthikeyan., M.E., (Ph.D), Assistant Professors</p>	S.no	Register no	Name	1.	312319114047	Ganesan. S	2.	312319114060	Harshith Raj .I.K	3.	312319114061	Hemanand .E. A	4.	312319114083	Labib Mohammed Irshaad	5.	312319114089	Manav Ajai	6.	312319114100	Navin Sales Michael. J	7.	312319114106	Pranav Narayanan
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2	 <p>The screenshot displays the 'Application Details' section of a patent application. The title of the invention is 'ANALYSIS AND TESTING OF SUBSONIC RAMJET ENGINE POWERED BY ACETYLENE'. The applicant names listed are Dr. T. Lakshmanan, Ahmed Mohamed Thahir, T. Gavaskar, and AKASH SHANKAR. The publication date is 06/05/2022.</p>	<ul style="list-style-type: none"> ➤ Mr.T.Gavaskar has published a patent on “ANALYSIS AND TESTING OF SUBSONIC RAMJET ENGINE POWERED BY ACETYLENE”
3	<p>Paper Published:</p>	<ul style="list-style-type: none"> ➤ “Influence of Wire-Edm Parameters on Surface Characteristics of Superalloy Monel 400”, NE Arun Kumar, AS Babu, M Subramanian, CP Kumar, Surface Review and Letters 29 (03), 2250031 ➤ “Strength characteristics of sand modified with keratinous chicken feather fiber,” RA Rose, M Subramanian, R Elakkiyadasan, M Siva, P Manoj Kumar, Materials Today: Proceedings ➤ Jayabalan, C., Siva, M., & Ramesh, B. (2022). “A Novel Manufacturing Process for Nanosilica Carbide Reinforced Al2024 Matrix Composites.” ECS Transactions, 107(1), 4089.

Department of Science

Sl. No.	Events	Remarks
1	Collabarative Quality initiatives with other institutions	NPTEL translation work 1. Dr. S. Suresh has completed NPTEL translation work for the course on “Applied Optimization for Wireless, Machine Learning, Big Data” and and received certificate on 31.03.22 2. Dr. S. Suresh has completed NPTEL translation work for the course on “Heat Transfer” and received certificate on 31.03.22
3	FDP/Workshop/Conference	1. Ms. A. Mahalakshmi has attended one day national webinar on “X-Ray Diffraction Basics to Advance” conducted by SRM TRP Engineering College ,Trichy, on 02.03.22.
5	STTP	1. Ms. A. Mahalakshmi has attended six days AICTE Skill Development Programme on “Various Stimulation tools used in Research” conducted by Sathyabama Institute of Science and Technology, Chennai , from 28.02.2022 to 05.03.2022
12	Other activities(if any)	Department of Science conducted the following online events for school students: 1) Tie in – 04.03.22 2) Syndesmos – the puzzle fun - 09.03.22 3) Postermania – 13.03.22