




## 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.	Value added Courses/Courses other than VAC	<ul style="list-style-type: none"><li data-bbox="1283 233 1976 321">● Conducted Two days workshop on <b>Building modeling using REVIT software</b> for III year students on 11-01-2023 &amp; 12-01-2023</li></ul>   <ul style="list-style-type: none"><li data-bbox="1283 1190 1934 1278">● Conducted One day workshop on <b>Introduction to REVIT software and 3D printing</b> for II year students on 23-01-2023</li></ul> 

		
2.	<b>Publications (only published) details</b>	<ul style="list-style-type: none"> <li>• <b>Dr.K.Vijai</b> has published a paper titled “A Study on flexural behaviour of ferrocement slabs using foamed concrete” in International Journal of Structural Engineering, Vol 13, issue 1, pp 63-79, Jan 2023. <b>(Web of Science and Scopus Indexed)</b></li> </ul>
3.	<b>Other activities (if any)</b>	<ul style="list-style-type: none"> <li>• <b>Mr.S.P.Senthil Kumar/ASP</b> has completed a online course on <b>Quantity Surveying Building Estimation BBS with Excel &amp; CAD</b> - in Udemy</li> <li>• MoU signed with M/s Caddam Technologies</li> </ul>

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	A one Day event on “ <b>Design the best</b> ”	<b>Date</b> : 21/01/2023

*You choose, We do it*

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

Counselling Code: 1317

Department of Computer Science & Engineering  
&  
Artificial Intelligence & Data Science  
**Eye On Designs club organizes**  
**"Design The Best"**  
Theme: Republic  
(In Remembrance of Republic Day)

Registration Link: <https://forms.gle/gic5rdp1keFKNTRM8>

Venue : Placement block (Hazel hall)      Date : 21/01/2023  
Time : 9-10 a.m.

**CHIEF PATRONS**  
Dr. B. Biju Manoharan M.A, M.S.A., Ph.D.      M. B. Dhanu Sekar M.Sc.  
Managing Director, St. Joseph's Group of Institutions      Director, St. Joseph's College of Engineering

**PATRONS**  
Dr. V. Valluvanayagam, M.Phil., Ph.D.      Dr. A. Chandira Sekar, M.E., Ph.D.      Dr. G. Srinivasan, M.Sc., M.Tech., Ph.D.  
Dean Student Affairs,      Dean Research,      Dean Academic

**CONVENORS**  
Dr. A. Chandira Sekar, M.E., Ph.D.      Dr. R. Pugalathy, M.E., Ph.D.      Dr. G. Manikandan, M.E., Ph.D.  
In-charge Staff Affairs,      In-charge Staff Affairs,      In-charge Staff Affairs

**STAFF CO-ORDINATOR**      **STUDENT CO-ORDINATORS**  
Mrs. P. N. Jagannathan, M.E. (Ph.D.)      Mr. Anand T.      Mr. Jagadeesh V.  
Assistant Professor      Mr. Anand S.      Mr. Suresh Chandar V.  
Mrs. Jeyanthi Mageshwaran



**Venue** : ADS Smart room

**Nature of Event** : Remembrance of Republic Day

**Participants** : Engineering CSE II & III year students

**Organized by** : Eye on Designs Club

**Objective:**

- To get exposure on Poster designing softwares like (FIGMA, Adobe photoshop, canva)

**Outcome:**

- Gained knowledge about the fundamentals of poster design.
- Provide students with an opportunity to learn by doing, in turn strengthening the learning.
- Effective way for students to draw and maintain their attention on topics and to maintain their interest.

**DEPARTMENT OF ELECTRICAL AND ELECTROICS ENGINEERING**

S.No	Events	Remarks
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1.



PIC: IEEE Event poster

The IEEE Power Electronics Society of St. Joseph's College of Engineering conducted the **2023 PELS Office Bearers Meet** on 6<sup>th</sup> Jan 2023, a virtual gathering. R. Elanchezhiyan, (the immediate past chairperson of PELS SJCE SB) and Divya Lakshmi G ( the immediate past treasure of PELS SJCE SB) joined us in this event and shared their prior experiences with us. They provided the new office bearers with some fantastic advice. The gathering came to a close as everyone exchanged kind words and advice.

2.



PIC: IEEE Event photo

On January 05, 2023, the IEEE SJCE SB hosted the Student Branch Officers Meeting. Mr. R. Sreekanth, IEEE SB Counsellor, and Ms. Jayarama Pradeep, IEEE SB Advisor, contributed as faculty coordinators for the event. In which the office bearers were formally placed into their roles. IEEE SJCE SBC Advisor Ms. Jayarama Pradeep paid the tribute. To enhance the SB, the Student Branch has taken a New Initiative in organizing separate teams for different domains.



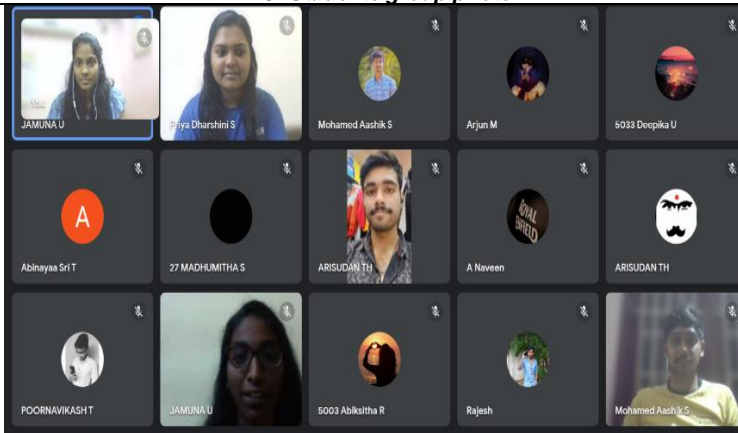
3.



**PIC: Students group photo**

IEEE Student Branch Chapter of St. Joseph's College of Engineering organized a meeting for the conference team office bearers of 2023. It was held on January 9, 2023. Office bearers of the conference team around seven members of St. Joseph's college of engineering student branch attended the meet. They discussed about the upcoming conference and their plan of action for this year

4.



**PIC: IEEE event screenshot**

IEEE SJCE SB conducted an orientation for the Website Team of IEEE SJCE SBC on 9 January 2022 at .00 PM. The meeting was held in coordination with the Publicity and Special Day teams, and it focused on discussing the year's plans as well as adopting new ideas proposed by our SB. Various ideas were gathered and noted, with the intention of implementing them in the future.

5.



**PIC: IEEE Event photo**

IEEE Women in Engineering under St Joseph's College of Engineering Student Branch Chapter organised WIE OFFICE BEARERS meet on January 06, 2023, at 1:40 pm. The event was conducted in Offline Mode. There were a total of 15 participants. The event was organised by Mr.Sreekanth. The notable participants were Ms. Jamuna U(Chairperson of IEEE WIE SJCE SB-2023 along with the affinity group members include Ms. Kaviya, Ms. Madhumalini, Ms. Adirai, Ms. Kanimozhi G, Ms.Harini, Ms. Madhumitha. Ms. Abinayaa Sri T( immediate past Chairperson of IEEE WIE SJCE SB) and Mr. Mohammed Aashik S (immediate past Chairperson of IEEE SJCE SB) also joined with us and shared their experiences. Through this meeting, We discussed the basic criteria about WIE and our plans and the betterment we could make inside our SB to meet out the vision and mission of IEEE WIE.

6.

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

**IEEE** St. Joseph's College of Engineering, St. Joseph's Group of Institutions  
IEEE Robotics & Automation Society  
RAS Office Bearers Meet-2023

DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING  
*in association with*  
IEEE ROBOTICS AND AUTOMATION SOCIETY  
*presents*  
**RAS OFFICE BEARERS MEET-2023**

1.45pm To  
3.00pm

**VENUE: Smart Room**

**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

**Convenor**  
Dr. V. Vallinayagam M.Phil., Ph.D.  
Dean Business Affairs, St. Joseph's College of Engineering  
Dr. T.V. Narmadha M.T., Ph.D.  
Professor & Head, LAB Affairs

**SBC Advisor**  
Dr. Jayarama Pradeep M.T., Ph.D.  
Professor & Head, Staff Affairs

**Staff Coordinator**  
Dr. G. Sreekanth M.Sc., M.Tech., Ph.D.  
Dean Academics, St. Joseph's College of Engineering  
Mr. R. Sreekanth M.T., Ph.D.  
Assistant Professor

**Student Coordinators**  
Aparna | Rakshit Roshan | Keerthana | Balaji | Gokul Kumar | Achaya | Sujitha

**\*For Admissions: visit [www.sjce.sjgoinstitutions.ac.in](http://www.sjce.sjgoinstitutions.ac.in) / [www.srasrobotstechnology.ac.in](http://www.srasrobotstechnology.ac.in) or contact: +91 99401 04581 / +91 99401 04582**

**PIC: IEEE Event poster**

IEEE Robotics and Automation Society under St Joseph's College of Engineering Student Branch Chapter organised RAS OFFICE BEARERS meet on January 06, 2023, at 1:40 pm. The event was conducted in Offline Mode. There was a total of 15 participants. The event was organised by Mr. Sreekanth. The notable participants were Ms. Aparnaa G(Chairperson of IEEE RAS SJCE SB-2023 along with the society members include , Mr.Rakshit Roshan, Ms. Keerthana, Mr. Gokul Kumar, Mr. Nithin Joel, Mr. Balaji, Ms .Achaya, Ms. Sujitha, Ms. Abina S( immediate past Chairperson of IEEE RAS SJCE SB) also joined with us and shared their experiences. Through this meeting, We discussed the basic criteria about RAS and our plans and the betterment we could make inside our SB to meet out the vision and mission of IEEE RAS.

7.

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Jeppiaar Educational Trust  
OMR, Chennai - 119  
Counselling Code :1317

ARIIA NEA AICTE NIRF Cambridge

IEEE St. Joseph's Group of Institutions  
Department of Electrical and Electronics Engineering  
in association with  
**IEEE INDUSTRY APPLICATIONS SOCIETY**  
PRESENTS  
**IAS OFFICE BEARERS MEET-2023**

13

1.45PM TO 3.00PM

**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  
Convenor Dr. T.V. Narmadha M.E., Ph.D.  
Professor & Head - Staff Affairs  
SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D.  
Professor & Head - Staff Affairs  
Staff Coordinator Mr. R. Sreekanth M.A., Ph.D.  
Assistant Professor

**Student Coordinators**  
IAS Team

\*For Admissions, visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882.

IEEE Industrial Automation Society under St Joseph's College of Engineering Student Branch Chapter organised IAS-OFFICE BEARERS meet on January 13, 2023, at 1:40 pm. The event was conducted in Offline Mode. There were a total of 8 participants. The event was organised by Mr.R.Sreekanth. The notable participants were Mr.S.Karthikeyan(Chairperson of IEEE IAS SJCE SB-2023 along with the group members include Mr.M.Shyam sundar, Ms.D.Kavipriya, Ms.S.Prasanna Gnanambiga, Ms.Vijayalakshmi, Mr.K.Sanjai, Mr.Kailash. Through this meeting, We discussed about the upcoming events and future developments in IAS through new ideas, and our plans to betterment we could make inside our SB to meet out the vision and mission of IEEE IAS.

8.

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
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OMR, Chennai - 119

ARIIA NEA AICTE NIRF Cambridge

IEEE St. Joseph's Group of Institutions  
மின் மற்றும் மின்னணு பொறியியல் துறை  
உடன் இணைந்து  
IEEE SJCE SB மாணவர் மற்றும்  
பெருமையுடன் வழங்கும்  
**ஒருங்கிணைப்பாளர்கள் கலந்துரையாடல்**

நிகழ்ச்சி தேதி: 06.01.2023  
நேரம்: 1.40 to 3.00pm

**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  
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Dr. A. Chandra Sekar M.E., Ph.D.  
Dean (Research), St. Joseph's College of Engineering  
Dr. G. Sreekumar M.Sc., M.Tech., Ph.D.  
Dean (Student Academic), St. Joseph's College of Engineering

**Convenor** Dr. T.V. Narmadha M.E., Ph.D.  
Professor & Head - IAS Affairs  
**SBC Advisor** Dr. Jayarama Pradeep M.E., Ph.D.  
Professor & Head - Staff Affairs  
**Staff Coordinator** Mr. R. Sreekanth M.A., Ph.D.  
Assistant Professor

**Student Coordinators**  
Mani Sha N | Jayasruthi R V | AkshayaKrishnen | Amirtha Varshini M | Godson S V Noble

\*For Admissions, visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882.

The IEEE SJCE SB Maanavar Mandram of St. Joseph's College of Engineering conducted a office bearer meet “ஒருங்கிணைப்பாளர்கள் கலந்துரையாடல்” related to the development of the tamil mandram development. The event held .on 6th January 2023 between 1:40 pm to 3:00pm about the . The student coordinators for this event are Mani Sha N , Akshaya Krishnan , Amirtha Varshini , Jaya Shruthi , Godson S V Noble.

**PIC: IEEE Event poster**



9.

*You Choose, We Do It*  
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 OMR, Chennai - 119

ABITA NTA NIRF Cambridge

IEEE

மின் மற்றும் மின்னணு பொறியியல் துறை  
 உடன் இணைந்து  
**IEEE SJCE SB மாணவர் மன்றம்**  
 பெருமையுடன் வழங்கும்  
**சொல்லடை**  
 ---சொல் வினையாட்டுப் போட்டி---

உங்கள் பதிவுகளை சமர்ப்பிக்க...  
<https://bit.ly/Solladai>

தேதி : 30/01/2023  
 நேரம் : 1:40 to 3:00 pm

-- பங்கேற்பாளர்கள் அனைவருக்கும் சான்றிதழ்கள் வழங்கப்படும் --

**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

**Convenor**  
 Dr. V. Vallinayagam M.Phil., Ph.D., Dean (Student Affairs), St. Joseph's College of Engineering  
**SBC Advisor**  
 Dr. Jayarama Pradeep M.E., Ph.D., Professor & Head, LAB Affairs

**Staff Coordinator**  
 Mr. R. Sreekanth M.E., Ph.D., Assistant Professor

**Student Coordinators**  
 Deepika U | Jayavarshini M J | Abinaya Priya R A | Shiva D | Sunil Kumar M

PIC: IEEE Event poster

The IEEE SJCE SB Maanavar Mandram of St. Joseph's College of Engineering conducted a riddle event 'சொல்லடை' related to Tamil Speech on 30th - January 2023 between 1:40 pm to 3:00 pm. Overall, 35 people registered through the registration form and 25 of them participated in the event and best three were given winners' certificates and the others were provided with participation certificates. The first place goes to Linda and Jamuna , second place goes to Sivakumar and Kathiravan , third place goes to Kaviya and Keerthana . The student coordinators for this event are Deepika U ,Jayavarshini M J , Abinaya Priya R A , Shiva D ,Sunil Kumar M.

10.

*You Choose, We Do It*  
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 St. Joseph's Group of Institutions  
 OMR, Chennai - 119

IEEE Robotics & Automation Society

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
 in association with  
 IEEE ROBOTICS AND AUTOMATION SOCIETY  
 presents  
**MEGAMIND**

30 January 2023  
 6:00 P.M to 7:00 P.M

Open for all 2nd years  
<https://forms.gle/E6mEIVtDHCTyhrDA>

E - Certificates will be provided

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PIC: IEEE Event poster

Megamind was organized by IEEE SJCE SBC under IEEE Robotics and Automation Society for the college students. The event was conducted in Google meet It is a amazing debating event Conducted for students to make them to know about world politics and a geopolitical view,conducted on on 27th January 2023. Over 20 students participated in it and are benefited. E-Certificates are distributed to the participants. Student Coordinators G.Aparnaa, , S.Keerthana, R.Gokul Kumar,V.Rakshit Roshan, B.Santhosh ,T.Sujitha coordinated the event with Mr. R. Sreekanth, IEEE SB Counselor."



11.

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

Department of Electrical and Electronics Engineering  
in association with  
**IEEE POWER ELECTRONICS SOCIETY**  
Presents

# Frog Tastic

Date: 30-01-2023  
Mode: ONLINE

Scan here For More Information

*E-Certificates will be provided to all the participants*

**Chief Patron**  
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.  
Chairman, St. Joseph's Group of Institutions

**Patrons**  
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Dean (Students Affairs), St. Joseph's College of Engineering

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

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Dean (Academics), St. Joseph's College of Engineering

**Dr. C. Sreekumar M.Sc., M.Tech., Ph.D.**  
Dean (Academics), St. Joseph's College of Engineering

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Professor & Head, ISEEE

**SBC Advisor**  
Dr. Jayarama Pradeep M.E., Ph.D.  
Professor & Head, ISEEE

**Staff Coordinator**  
Mr. R. Sreekanth M.E., Ph.D.  
Assistant Professor

**Student Coordinators**  
POORNAVIKASH T | NIVAS M | KUMMARAS SHRUJAI D | SENTHAMIZHSELVAN S  
VASANTHKUMAR S | MICHAEL JESVIN F

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POOJASREE K | POORNAVIKASH T | NIVAS M | KUMMARAS SHRUJAI D | SENTHAMIZHSELVAN S | VASANTHKUMAR S | MICHAEL JESVIN F

**INSTAGRAM**  
@iseeepets\_sjce

\*For Admissions: visit [www.sjce.sjcepgs.ac.in](http://www.sjce.sjcepgs.ac.in) / [www.sjcepgstechnology.ac.in](http://www.sjcepgstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882

The IEEE Power Electronics Society of St Joseph's College of Engineering hosted the Frog-Tastic, a fun technical event in virtual mode. The event was conducted on 30.01.2023. In this event, participants are put their knowledge to the test, the event is about power electronics basic MCQ questions. The quiz as graphical image of a frog which show the answer by jumping on a leaf if it is correct or the frog drown and the game will be over. This makes the event more entertain. E-certificate were given to the winners and participants.

PIC: IEEE Event poster

12.

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

Department of Electrical and Electronics Engineering  
in association with  
**IEEE POWER ELECTRONICS SOCIETY**  
Presents

# HEAD'S UP?

Date: 28-01-2023  
Timing: 140-3:00pm  
Mode: Offline

Scan Here FOR REGISTRATION

*E-Certificates will be provided to all the participants*

**Chief Patron**  
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.  
Chairman, St. Joseph's Group of Institutions

**Patrons**  
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Executive Director, St. Joseph's Group of Institutions

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Dean (Students Affairs), St. Joseph's College of Engineering

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

**Dr. A. Chandra Sekar M.E., Ph.D.**  
Dean (Academics), St. Joseph's College of Engineering

**Dr. C. Sreekumar M.Sc., M.Tech., Ph.D.**  
Dean (Academics), St. Joseph's College of Engineering

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Professor & Head, ISEEE

**SBC Advisor**  
Dr. Jayarama Pradeep M.E., Ph.D.  
Professor & Head, ISEEE

**Staff Coordinator**  
Mr. R. Sreekanth M.E., Ph.D.  
Assistant Professor

**Student Coordinators**  
POOJASREE K | POORNAVIKASH T | NIVAS M | KUMMARAS SHRUJAI D | SENTHAMIZHSELVAN S  
VASANTHKUMAR S | MICHAEL JESVIN F

**EMAIL**  
iseeepets@ieee.org  
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POOJASREE K | POORNAVIKASH T | NIVAS M | KUMMARAS SHRUJAI D | SENTHAMIZHSELVAN S | VASANTHKUMAR S | MICHAEL JESVIN F

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The IEEE Power Electronics Society of St Joseph's College of Engineering hosted the Heads up, a TECHNICAL EVENT. The event was conducted on 28.01.2023. In this event, participants were form a team consist of two members, the game has two roles the "Finder" and "Informer". The Finder role is to find the answer. The Informer role is to give clue about the device or components. Each team where called forward to perform the roles, based on the time limit the winners were selected. E-certificate were given to the winners and participants.

PIC: IEEE Event poster

13.

**தொகை**  
--- ஒரு கவிதை எழுதும் போட்டி ---

தேதி : 28/01/2023  
to  
31/01/2023

-- பங்கேற்பாளர்கள் அனைவருக்கும் சான்றிதழ்கள் வழங்கப்படும் --  
**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

**Convenor** Dr. V. Vallinayagam M.Phil, Ph.D. Dean (Students Affairs), St. Joseph's College of Engineering  
**SBC Advisor** Dr. A. Chandra Sekar M.E., Ph.D. Dean (Research), St. Joseph's College of Engineering  
**Staff Coordinator** Mr. R. Sreekanth M.E., Ph.D. Assistant Professor

**Student Coordinators**  
Deepika U | Jayavarshini M J | Abinaya Priya R A | Shiva D | Sunil Kumar M

\*For Admissions: visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882.

**PIC: IEEE Event poster**

The IEEE SJCE SB Maanavar Mandram of St. Joseph's College of Engineering conducted a kavithai event “தொகை” related to Tamil kavithai competition on 28 to 31 January 2023. The event was conducted in online mode. The rules of the event were explained before each round. Overall, 25 people submitted their response for the event and the best three were given winners' certificates. The winners of the event are Aruthra, Aparnaa, Abinaya and the others were provided with participation certificates. The student coordinators for this event are Deepika U, Jayavarshini M J, Abinaya Priya R A, Shiva D, Sunil Kumar M.

14.

**CIRCUITRIX**

27 January 2023  
6:00 P.M to 7:00 P.M

Open for all 2nd years

<https://forms.gle/f6g9n07K9C6k7k7y>

E - Certificates will be provided

**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

**Convenor** Dr. V. Vallinayagam M.Phil, Ph.D. Dean (Students Affairs), St. Joseph's College of Engineering  
**SBC Advisor** Dr. A. Chandra Sekar M.E., Ph.D. Dean (Research), St. Joseph's College of Engineering  
**Staff Coordinator** Mr. R. Sreekanth M.E., Ph.D. Assistant Professor

**Student Coordinators**  
Aparnaa, Rakshit Roshan, Keerthana, Gokul Kumar, Acharya, Sujitha

\*For Admissions: visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882.

**PIC: IEEE Event poster**

Circuitrix 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 an amazing quiz event conducted for students to make them know about electrical instruments on 25th January 2023. Over 15 students participated in it and are benefited. E-Certificates are distributed to the participants. Student Coordinators G. Aparnaa, S. Keerthana, R. Gokul Kumar, V. Rakshit Roshan, B. Santhosh, T. Sujitha coordinated the event with Mr. R. Sreekanth, IEEE SB Counselor."



15.

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

**29**  
YEARS OF EXCELLENCE

ARIIA, NBA, AICTE, NIRF, Cambridge English Qualifications

**IEEE** DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
IEEE Women in Engineering Affinity Group  
presents

**THE POWER OF 'SHE'**  
PANEL DISCUSSION | TOPIC - BE YOUR BOSS, BUILD YOUR PATH

Mr. Cecil Sunder, Director- Data & AI solutions and Strategy  
Ms. Sri S, CEO, Entrepreneur & Investor Chargeback  
Ms. Karen Oldhoven, Founder - Brand new Personality  
Ms. Jacquelyn Clayborn, CEO at ONC National APWC Board Member

DATE: January 30th, 2023  
TIME: 11:30 AM (IST)  
REG LINK: <https://bit.ly/ThePowerofShe-reg>

Chief Patron: Dr. B. Babu Manoharan  
Patrons: Mrs. S. Jessie Priya, Dr. Vaidi Seshagiri Rao, Mr. B. Shashi Sekar  
Convener: Dr. B.V. Vallinayagam, Dr. A. Chandra Sekar, Dr. C. Sree Kumar  
SBC Advisor: Dr. T.V. Narasimha Reddy  
Staff Coordinator: Mr. K. Sreekanth, Dr. M. Venmozhi  
Student Coordinators: Jamuna U, Kavya P, Madhumalini MK, Kanimozhi G

\*For Admissions: visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99471 01881 / +91 99471 01882

PIC: IEEE event poster

IEEE Women In Engineering Affinity Group of St Joseph's College of Engineering along with the IEEE SB of SJCE organised an international Panel Discussion - “**The Power of ‘She’**” on the topic “**BE YOUR BOSS, BUILD YOUR PATH**”. Our First panellist, **Ms. Jacquelyn Clayborn** Founder/CEO at ONC National, a gentle and resilient speaker shared her past experiences and how she handled it. Our Second Panellist, **Ms. Karen Oldhoven**, such a brilliant, lovely, and brave individual founder of Personal Branding Agency, shared her personal experiences as well as the importance of women in society. Our third panel list, **Ms. S. Srii**, CEO, Entrepreneur & Investor joined and shared the importance of women entrepreneurship with us. Our fourth panel list, **Mr. Cecil Sunder**, Director- Data & AI solutions and Strategy (US Manufacturing) talked about the power of women, the most lovely portion of the discussion.

16.

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
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**29**  
YEARS OF EXCELLENCE

ARIIA, NBA, AICTE, NIRF, Cambridge English Qualifications

**IEEE** DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
IEEE Women in Engineering Affinity Group  
presents

**PHOTOHOLIC**  
A platform for Photo-freaks

2023  
January  
26th-30th

THEME: BLACK AND WHITE  
CATEGORY: ANY GENRE

Submission Link: <https://bit.ly/photoholic-onlinephotocontest>  
Merit E-certificates will be provided to the winners  
Participation Certificates will be provided to all the participants

Chief Patron: Dr. B. Babu Manoharan  
Patrons: Mrs. S. Jessie Priya, Dr. Vaidi Seshagiri Rao, Mr. B. Shashi Sekar  
Convener: Dr. B.V. Vallinayagam, Dr. A. Chandra Sekar, Dr. C. Sree Kumar  
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PIC: IEEE event poster

IEEE Women In Engineering AG under St. Joseph’s College of Engineering Student Branch Chapter organised “**PHOTOHOLIC- A platform for Photo-freaks**” for School Diploma and College students from January 26th to January 30th of 2023 .A Platform for Photo-freaks to get captured the moment with other people. The event was coordinated by Ms. Jamuna U, Ms Madhumalini MK, Ms Kaviya P, Ms. Kanimozhi G, Ms. Harini N. Around 50 students participated in this contest. Merit Certificates were provided to the Winners and E- Certificates were provided to all the participants .



17.

The poster is for an online quiz contest titled "JAN-REL" organized by the Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering. It features logos for ARHA, NEA, A+, nirf, Cambridge, and IEEE. The theme is "A Game with January" and the registration link is provided. The event is scheduled for January 26th to 30th, 2023. A list of patrons, convenor, SBC advisor, staff coordinator, and student coordinators is included at the bottom.

PIC: IEEE event poster

IEEE Women In Engineering AG under St. Joseph’s College of Engineering Student Branch Chapter organised “**JAN-REL- An Online quiz contest**” for School,Diploma and College students from January 26th to January 30th of 2023. This event is in the form of a quiz related to the month of January. The event was coordinated by Ms.Jamuna U, Ms Madhumalini MK, Ms Kaviya P, Ms.Adrai,Ms.Madhumitha. Around 45 students participated in this contest. Merit Certificates were provided to the Winners and E- Certificates were provided to all the participants.

18.

The poster announces a guest lecture by Mr. Suresh Dakshina, Founder & President of Chargeback Gurus, on the topic "Entrepreneurial Journey and Key Lessons Learnt". The event is organized by the Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering. It features a photo of Mr. Suresh Dakshina and lists the names of the chief patron, patrons, convenors, and coordinators. The date is 11-01-2023, from 11.40 am to 1.00 pm.

PIC: Guest Lecture poster

Our department organized Guest Lecture on “Entrepreneurial Journey and Key Lessons Learnt” By Mr. Suresh Dakshina, Founder & president, Chargeback Gurus, Mckinney, Texas, USA on 11-01-2023

19.

## PLACEMENT DETAILS FOR THE MONTH OF JANUARY 2023

Total No of students placed = 112 UG Students  
 Total No of Offers = 170 + 4 (PG) = 174 Offers  
 Total No of Students (UG) = 160  
 Total No of Eligible Students (UG) = 144 (All Clear & 1 arrear students)  
 Total No of Eligible Students (PG) = 06  
 % of students Placed (UG) =  $108/144 = 75\%$   
 % of students Placed (PG) = 04  
 % of students Placed (PG) =  $04/06 = 66.66\%$   
 No of students having single offers = 67 + 04 (PG)  
 No of students having Double offers = 28  
 No of students having Triple offers = 15  
 No of students having Quadruple offers = 02

20.



*PIC: Students group photo*

Our II<sup>nd</sup> Yr students who had Won the Intramural Sports held on 24-01-2023.

VOLLEYBALL (BOYS)- WINNERS	
S.No.	Name of the Student
1.	GOWTHAM P
2.	ABINESH G
3.	KAILASH I
4.	MONISH VIJAY G
5.	SIBIRAJ
6.	VIGNESH RAJA
7.	RAGHUL D
8.	ARAVIND RAJ R
9.	SRINIVAS R

21.



*PIC: Students group photo*

Our II<sup>nd</sup> Yr students who had Won the Intramural Sports held on 24-01-2023.

KABBADI (BOYS)- RUNNERS	
S.No.	Name of the Student
1.	DEEPAK A
2.	ABINESH G
3.	KAILASH I
4.	RAGHUL D
5.	MICHEAL JESWIN
6.	VISHNU M
7.	PRAVEEN V
8.	NANDHA KUMARAN
9.	PRAGATHEESHWARAN
10.	ARAVIND RAJ R
11.	BALATEJA

22.

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

**COUNSELLING CODE:1317**  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Entrepreneur Development Program**  
on  
*How to become a successful Entrepreneur despite struggles*  
by  
**Mr. C. Alexandriyan**  
Founder and CEO  
AP Interiors and modular kitchen

Event Date: 03-12-2022  
Timing: 11:00 am to 12.30 am  
Venue: AV hall, Library block

**ENTREPRENEUR**

INNOVATION SKILLS LEADERSHIP ASSERTIVENESS KNOWLEDGE STRATEGY GOAL

**Chief Patron**  
**Dr. B. Babu Manoharan** M.A., M.B.A., Ph.D.  
Chairman, St. Joseph's Group of Institutions

**Patrons**  
**Mrs. B. 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. V. Vallinayagam** M.Sc., M.Phil., Ph.D.  
Dean Student Affairs, St. Joseph's College of Engineering  
**Dr. A. Chandrasekar** M.E., Ph.D.  
Dean Research, St. Joseph's College of Engineering  
**Dr. G. Sreekumar** M.Sc., M.Tech., Ph.D.  
Dean Academic, St. Joseph's College of Engineering

**Convenors**  
**Dr. Jayarama Pradeep** M.E., Ph.D.  
Professor & Head - Staff Affairs  
**Dr. T.V. Narmadha** M.E., Ph.D.  
Professor & Head - Lab Affairs

**Staff Coordinators**  
**Dr. M. Venmathi** M.E., Ph.D.  
Associate Professor  
**Dr. P. Anbarasan** M.Tech., Ph.D.  
Assistant Professor

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

PIC: EDP poster

Our Electrical and Electronics Engineering department conducted Entrepreneur Development Program on “How to become a Successful Entrepreneur despite Struggles” on 3<sup>rd</sup> December 2022. The objective of this Entrepreneur Development Program talk is to help the students in strengthening his entrepreneurial motive and in acquiring skills and capabilities. Mr.C.Alexandriyan, Founder and CEO, AP Interior and Modular Kitchen shared his project activity, market opportunities and strategies.

23.



PIC: Students with trophy

Our students who had Won GOLD medal in BASKETBALL WOMEN'S organized by EEC BASKETBALL STATE LEVEL INTERCOLLEGE TOURNAMENT-2023 held at EASWARI ENGINEERING COLLEGE, CHENNAI from 20/01/2023 to 21/01/2023.

NAME OF THE STUDENT	DEPARTMENT	YEAR /SEC
JANANI G	EEE	II- A
MALAR D	EEE	II- C



24.



PIC: Student with trophy

Our student SIVA HARISH M who had Won RUNNER UP in BASKETBALL MEN'S organized by EEC BASKETBALL STATE LEVEL INTERCOLLEGE TOURNAMENT-2023 held at EASWARI ENGINEERING ENGINEERING COLLEGE, CHENNAI from 20/01/2023 to 21/01/2023.

25.



PIC: SAC event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **SOCIAL AWARENESS CLUB** organized a technical event **“BRAINY QUEST”** on **03/01/2023**. This exclusive event started at **9 :40AM** with all the members of our club. The event was started with **“Tamil Thai Vazhthu”**. Abiding the famous quote **“Talent hits a target no one else can hit; Genius hits a target no one else can see”** the event started exploring the hidden talent of our Students through this event.

STUDENT NAME	YEAR	POSITION
Anandha Kumar Hari Krishna	II-A	I
Gokul K Akash Vel	II-A	II
Naveen Buyavarapu Ashik Remo	III-A	III

26.

**POSTEROLIC**  
THE POSTER MAKING EVENT

Merit Certificates will be provided for  
**Winners**

**Do Register:**  
<https://forms.gle/jryelRauRdaBKvjNA>

**Chief Patron**  
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.  
Chairman, St. Joseph's Group of Institutions

**Patrons**  
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Mr. B. Shashi Sekar M.Sc. Executive Director, St. Joseph's Group of Institutions  
Dr. V. Vallinayagam M.Sc., M.Phil., Ph.D. Dean Student Affairs, St. Joseph's College of Engineering  
Dr. A. Chandra Sekar M.E., Ph.D. Dean Research, St. Joseph's College of Engineering  
Dr. G. Sreekumar M.Sc., M.Tech., Ph.D. Dean Academics, St. Joseph's College of Engineering  
Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs  
Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs  
Ms. R.G. Nirmala M.E., (Ph.D.) Assistant Professor / EEE  
Mr. S. Sivakumar M.E., (Ph.D.) Assistant Professor / EEE

**Student Coordinators**  
Abhiksha R | Abinaya V.J | Abinaya B | Dhanalakshmi.R | Dharami.V | Jamuna U | Linda Joice R P | Nandi Vardhan Reddy R  
Nivas M | Ramya R | Sagya Antony Ishwarya F | Shankar Aashash S | Sharan M

\*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

PIC: Electrical club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **ELECTRICAL CLUB** organized a technical event **POSTEROLIC** on **12th Jan 2023**. This exclusive event started at **1.40 PM- 3.00 PM** with all the members of our club. The event started with “Tamil Thai Vazhthu” and the event started exploring the hidden talent of our Students.

STUDENTS NAME	YEAR	POSITION
Harini , Jasmin	II	I
Suhas, Vignesh	II	II
Joshan, Aravind	II	III

27.

**Tech Aura**

Counselling Code :1317

**Chief Patron**  
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.  
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**Patrons**  
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Mr. B. Shashi Sekar M.Sc. Executive Director, St. Joseph's Group of Institutions  
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Dr. G. Sreekumar M.Sc., M.Tech., Ph.D. Dean Academics, St. Joseph's College of Engineering

**Convenors**  
Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs  
Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs

**Coordinators**  
Dr. M. Venmathi M.E., Ph.D. Associate Professor / EEE  
Mr. A. Satheesh Kumar M.E., (Ph.D.) Assistant Professor / EEE

**Student Coordinators**  
DARSINI | BUYAVARAPU NAVEEN | ISWARIYA | NAVINA | KATHIRAVAN | CHRIS KEVIN | CHRISTEL PEERIS | PRAVESH CHRISTO

\*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

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **ROBOTICS CLUB** organized a technical event “**TECH AURA**” on **10th January 2023**. This exclusive event started at **1:40 PM** with all the members of our club. The event was started with “Tamil Thai Vazhthu” and the event started exploring the hidden talent of our Students.

STUDENTS NAME	YEAR	POSITION
PON NAVEEN ANTO I MOHAMED RIFA YI A	II	I
KAILASH KARTHIKEYAN I KARTHIKEYEN C	II	II
CHANDRU U ARAVINDHA RAJ R	II	III



28.

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) ENSAVCLUB organized a technical event “BETA-BYTE” on 12-JAN-2023. This exclusive event started at 1:40PM TO 3:00PM with all the members of our club. The event was started with “Tamil Thai Vazhthu” and the event started exploring the hidden talent of our students.

STUDENTS NAME	YEAR	POSITION
B.MUGUDHAN M.KARTHIKEYAN	III	I
SIVANATHAN.T VIGNESHWAR.R	III	II
MADHU MALINI M.K MALAVIKA.N	III	III

29.

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering).St.JOSEPH'S ISTE STUDENT CHAPTER organized a event “JEST JAMUARY” on 11-01-2023. This exclusive event started at 01:40 P.M with all the members of our club. The event was started with “Tamil Thai Vazhthu” and the event started exploring the hidden talent of our students.

STUDENTS NAME	YEAR	POSITION
Nandhivaradhan Reddy Sivanathan	III-B III-C	I
Hari priya. M Aparnaa. G	III-A	II
Churrrendar Hariharan. J	III-A	III



30.

**CHOPPERS CLUB**  
ORGANISES  
**RADIANTZ**  
FOR 3 YEARS  
On 18th January, 2023  
1:40- 3:00pm

**REGISTER HERE**

**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. V. Vallinayagam** M.Phil., Ph.D. Dean Student Affairs, St. Joseph's College of Engineering  
**Dr. A. Chandra Sekar** M.E., Ph.D. Dean Research, St. Joseph's College of Engineering  
**Dr. C. Sreekumar** M.Sc., M.Tech., Ph.D. Dean Academics, St. Joseph's College of Engineering

**CONVENORS**  
Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs  
Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs

**COORDINATORS**  
Mr. R. Elanthirayam M.Tech., (Ph.D.) Assistant Professor  
Ms. S. Gomathi M.E. (Ph.D.) Assistant Professor

**STUDENT COORDINATORS**  
MANIGANDAN MADHUMALINI DHINAKARAN SHIVANATHAN RAMPRASATH HARIPRIYA AJITH ACHUTHA AYESHA PARVEEN HEMA APSARA

\*For Admissions: visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in)  
or contact: +91 99401 04881 / +91 99401 04882

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **CHOPPERS CLUB** organized a technical event “**RADIANTZ**” on **18<sup>th</sup> January**. This exclusive event started at **TIME** with all the members of our club. The event was started with “Tamil Thai Vazhthu”. Abiding the famous quote “Talent hits a target no one else can hit; Genius hits a target no one else can see” the event started exploring the hidden talent of our students through this event.

STUDENTS NAME	YEAR	POSITION
PRAKASH - KAILASH	II - B	1 <sup>st</sup> PLACE
VIGNESH - VASAITH	II - C	2 <sup>nd</sup> PLACE
TAMIL SELVAN - SELVARASU	II - C	3 <sup>rd</sup> PLACE

31.

**ELECTRICAL CLUB**  
organises  
**TRIZONE**  
DATE: 21-01-23  
TIME: 11:00AM-1:00PM  
CERTIFICATES WILL BE PROVIDED

Round 1: Facts-o-Facts  
Round 2: Rapidfire  
Round 3: \_XO\_

**REGISTER HERE**

**Chief Patron**  
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.  
Chairman, St. Joseph's Group of Institutions

**Patrons**  
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**COORDINATORS**  
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Mr. S. Sivakumar M.E. Assistant Professor / EEE

**STUDENT COORDINATORS**  
Abhishek R | Abhinav V.J | Abhinav D | Dharmakrishna R | Dharaan.V | Jathana U | Linda Joyce R P | Nandi Vardhan Reddy R | Nivas A | Kanya R | Saaga Anshu Ishwarya F | Shankar Anshu S | Sharan A

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or contact: +91 99401 04881 / +91 99401 04882

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **ELECTRICAL CLUB** organized a technical event “**TRIZONE**” on **21-01-2023**. This exclusive event started at 1.40pm with all the members of our club. The event was started with “Tamil Thai Vazhthu”. Abiding the famous quote “Talent hits a target no one else can hit; Genius hits a target no one else can see” the event started exploring the hidden talent of our students through this event.

STUDENTS NAME	YEAR	POSITION
Michael F Raghul E	II	I
Priya Darshini V Priya Darshini D	II	II
Nandha Pradeesh	II	III

32.

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

Counselling Code :1317

ARIIA, NEA, A+, IEEA, nifr, Cambridge

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SOCIAL AWARENESS CLUB

Organizes

Flame/Chef, Carbontonics

**CARBONTONICS**

03 Jan  
01:00pm - 03:00pm  
2nd & 3rd Years

Registration link: <https://forms.gle/GUJUwp9ESbC1g6JG9>  
Merit Certificates will be provided to 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. G. Sreekumar** M.Sc., M.Tech., Ph.D. Dean Academics, St. Joseph's College of Engineering  
**Dr. A. Chandra Sekar** M.E., Ph.D. Dean Research, St. Joseph's College of Engineering  
**Dr. V. Vallinayagam** M.Sc., M.Phil., Ph.D. Dean Student Affairs, St. Joseph's College of Engineering

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Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs

**Staff Coordinators**  
Mr. R. Elanthirayan M.Tech., Ph.D. Assistant Professor  
Ms. S. P. Vedavalli M.E., Ph.D. Assistant Professor

**Student Coordinators**  
Abiksitha R | Abinaya V.J | Abinaya B | Dhanalakshmi R | Dharani V | Jamuna U | Linda Joice R P | Nandi Vardhan Reddy R | Nivas M | Ramya R | Sagaya Antony Ishwarya F | Shankar Aahash S | Sharan M |

\*For Admissions: visit [www.stjosephs.ac.in](http://www.stjosephs.ac.in) / [www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in) or contact: +91 99401 04881 / +91 99401 04882

PIC: Club event poster

St. Joseph's College of Engineering, (Electrical & Electronics Engineering) **SOCIAL AWARENESS CLUB** organized a technical event **CARBONTONICS** on **03-01-2023**. This exclusive event started at **1.40 PM** with all the members of our club. The event was started with “Tamil Thai Vazhthu” and the event started exploring the hidden talent of our students.

STUDENTS NAME	YEAR	POSITION
Aakash , Aravind , Joshan	II	1 <sup>st</sup> PLACE
Ratheesh, Balateja	II	2 <sup>nd</sup> PLACE
Prince, Bharath	II	3 <sup>rd</sup> PLACE

Sl. No.	Title	Detail					
1	Webinar /FDP / workshop attended	<b>S.No</b>	<b>Faculty Name</b>	<b>Webinar /FDP / workshop attended</b>	<b>Conducting agency</b>	<b>Period</b>	<b>Link</b>
		1.	Dr.C.N.Gnanaprakasam	FDP on "ARTIFICIAL INTELLIGENCE IN HEALTH CARE"	Easwari Engineering College	24.01.2023 to 31.01.2023	<a href="https://drive.google.com/file/d/1n-RuSAuytLZn7v3BWRGgoC PzSYWcuFba/view?usp=share_link">https://drive.google.com/file/d/1n-RuSAuytLZn7v3BWRGgoC PzSYWcuFba/view?usp=share_link</a>
		2.	Mr.D.Sankaran	FDP on "ARTIFICIAL INTELLIGENCE IN HEALTH CARE"	Easwari Engineering College	24.01.2023 to 31.01.2023	<a href="https://drive.google.com/file/d/1PLKbjTC_eq859L13fDU pTAA37YsG_awL/view?usp=share_link">https://drive.google.com/file/d/1PLKbjTC_eq859L13fDU pTAA37YsG_awL/view?usp=share_link</a>
2.	Journal Publication	<b>S.No</b>	<b>Faculty Name</b>	<b>Publication Month and Year</b>	<b>Title</b>	<b>Link</b>	
		1.	C.N. Gnanaprakasam, S. Meena	Jan 2023	Robust energy management technique for plug-in hybrid electric vehicle with traffic condition identification	<a href="https://drive.google.com/file/d/1Dn0LjcVQV5f9YuFeFh3aZM1aXmCfygEF/view?usp=share_link">https://drive.google.com/file/d/1Dn0LjcVQV5f9YuFeFh3aZM1aXmCfygEF/view?usp=share_link</a>	
3.	Workshop/ STTP Organised	<b>S.No.</b>	<b>Faculty Name</b>	<b>Workshop/STTP Organised</b>	<b>Name of the Event</b>	<b>Date</b>	<b>Link</b>
		1.	Dr.V.Vijayan, Mr.D.Sankaran	EIE department, St.Joseph's College of Engineering	Technical Quiz	7-1-2023	<a href="https://drive.google.com/file/d/1ZSkwKo1jO8ypDZw2K2LBV3SSFXQGilWw/view?usp=share_link">https://drive.google.com/file/d/1ZSkwKo1jO8ypDZw2K2LBV3SSFXQGilWw/view?usp=share_link</a>



		2.	Dr.V.Vijayan, Mr.D.Sankaran	EIE department, St.Joseph's College of Engineering	Introduction to AR/VR	11-1-2023	<a href="https://drive.google.com/file/d/1T3y1qHtQnw7LsPkzrmylprVFS5CRhoOX/view?usp=share_link">https://drive.google.com/file/d/1T3y1qHtQnw7LsPkzrmylprVFS5CRhoOX/view?usp=share_link</a>
		3.	Dr.S.Meena, Mr.D.Sankaran	EIE department, St.Joseph's College of Engineering	Tech Wordle	13-1-2023	<a href="https://drive.google.com/file/d/1bq4iCyyfwXsCvvvF-Mb-N3h8p2IlbhJo/view?usp=share_link">https://drive.google.com/file/d/1bq4iCyyfwXsCvvvF-Mb-N3h8p2IlbhJo/view?usp=share_link</a>

# 1. SERB Sponsored Event:

<p style="text-align: center;"><b>NATIONAL SEMINAR ON “RECENT TRENDS IN BIOMEDICAL ENGINEERING FOR MEDICAL DIAGNOSTIC APPLICATIONS”</b></p>	<p style="text-align: center;"><b>Report</b></p>
 <p style="text-align: center;"><b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ORGANIZES</b></p> <p style="text-align: center;"><b>SERB SPONSORED NATIONAL SEMINAR ON RECENT TRENDS IN BIOMEDICAL ENGINEERING FOR MEDICAL DIAGNOSTIC APPLICATIONS</b></p> <p style="text-align: center;"><b>INVITED SPEAKERS : 19.01.2023</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Mr. Deepan Raj</b> Lead Data Scientist, HCL Technologies. <i>Trends in Data Analytics</i> 08.30 AM – 10.00 AM</p> </div> <div style="text-align: center;">  <p><b>Dr. S. Prabakar</b> Professor and Head, Department of Biomedical Engineering, Sona College of Technology, Salem. <i>AI in Diagnosis, Prognosis and Treatment</i> 10.30 AM – 11.30 AM</p> </div> <div style="text-align: center;">  <p><b>Dr. G. Kavitha</b> Associate Professor, Electronics Engineering, MIT, Anna University, Chennai. <i>Biomedical Image Analysis using Machine Learning Techniques</i> 12.30 PM – 1.30 PM</p> </div> <div style="text-align: center;">  <p><b>Dr. G. Malathi</b> Professor, School of Computer Science and Engineering VIT University, Chennai. <i>Radiomics</i> 1.30 PM – 2.45 PM</p> </div> </div> <p style="text-align: center;"><b>INVITED SPEAKERS : 20.01.2023</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Dr. A. Kavitha</b> Professor and Head, Department of Biomedical Engineering, SSN College of Engineering. <i>Autism Analysis using Advanced Machine Learning Procedures</i> 9.00 AM – 10.00 AM</p> </div> <div style="text-align: center;">  <p><b>Dr. M. Sai Baba</b> Director, Centre for Professional Development and Training Ramaiah University of Applied Sciences, Visiting Professor, National Institute of Advanced Studies, Bengaluru. <i>Artificial Intelligence, Society &amp; Possibilities</i> 10.30 AM – 11.30 AM</p> </div> <div style="text-align: center;">  <p><b>Dr. Mohnish Palaniswamy</b> Clinical Interventional Radiologist, Dr. Kush Imaging and Interventions, OMR, Chennai. <i>Recent Trends in Imaging Modalities for Cancer Treatment.</i> 12.30 PM – 01.30 PM</p> </div> </div> <p style="text-align: center;"><b>CHIEF PATRON</b> <b>Dr. B. BABU MANOHARAN</b> M.A., M.B.A., Ph.D. Chairman, St. Joseph's Group of Institutions</p> <p style="text-align: center;"><b>PATRONS</b></p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p><b>Mrs. S. Jessie Priya</b> M.Com. Managing Director, St. Joseph's Group of Institutions</p> </div> <div style="text-align: center;"> <p><b>Mr. B. Shashi Sekar</b> M.Sc. Executive Director, St. Joseph's Group of Institutions</p> </div> </div> <p style="text-align: center;"><b>CHAIR PERSONS</b></p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p><b>Dr. Vaddi Seshagiri Rao</b> M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering</p> </div> <div style="text-align: center;"> <p><b>Dr. V. Vallinayagam</b> M.Sc., M.Phil., Ph.D. Dean, Students Affair</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p><b>Dr. A. Chandra Sekar</b> M.E., Ph.D. Dean, Research</p> </div> <div style="text-align: center;"> <p><b>Dr. G. Sreekumar</b> M.Sc., M.Tech., Ph.D. Dean, Academics</p> </div> </div> <p style="text-align: center;"><b>Program Advisors</b></p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p><b>Dr. B. Victoria Jancee</b> M.E., Ph.D. HOD Staff Affairs, ECE <b>Dr. S. Aghalya</b> M.E., Ph.D. HOD Student Affairs, ECE <b>Dr. P. Ezhilarasi</b> M.E., Ph.D. HOD Lab Affairs, ECE</p> </div> <div style="text-align: center;"> <p><b>Convenor</b> <b>Dr. D. Lakshmi</b> M.E., Ph.D. Associate Professor <b>Co-Convenor</b> <b>Dr. Shirley Selvan</b>, M.E., Ph.D. Associate Professor</p> </div> <div style="text-align: center;"> <p><b>Program Organizing Committee</b> <b>Dr. J. Sivakumar</b> M.E., Ph.D. Associate Professor <b>Mrs. R. Madhumitha</b> M.E., (Ph.D) Assistant Professor <b>Mrs. P. Elaveni</b> M.E., (Ph.D) Assistant Professor</p> </div> </div>	<p>SERB Sponsored a two- day national seminar on the topic “Recent trends in Biomedical Engineering for Medical Diagnostic Applications” which was organized by the Department of Electronics and Communications Engineering of St. Joseph’s College of Engineering on the 19<sup>th</sup> and 20<sup>th</sup> of January 2023.</p> <p>A total of 7 speakers were invited to speak on various topics and 85 participants attended the seminar.</p> <p>On 19<sup>th</sup> January, the inauguration was held at the Audio-Visual Hall. The registration started at 8:00AM and the inauguration started with Tamizh Thai Vaazhthu. The welcome address was given by Dr. B. Victoria Jancee, HOD – Staff Affairs, ECE and the overview of the programme was given by Dr. Shirley Selvan, Associate Professor, ECE. The citation of the chief guest was given by Dr. J. Sivakumar, Associate Professor, ECE.</p> <p>The programme started with the lamp being lit by all the dignitaries. Our Honourable Chief guest Mr. G. Deepan Raj, Lead Data Scientist, HCL Technologies was honoured by our respected Principal Dr. Vaddi Seshagiri Rao and he addressed the gathering.</p> <p>The inaugural address was given by Mr. G. Deepan Raj and the vote of thanks was given by Dr. D. Lakshmi, Associate Professor, ECE. The inauguration ended with the National Anthem.</p> <p>On the first day of the SERB Sponsored seminar, the first speaker Mr. G. Deepan Raj, Lead Data Scientist, HCL Technologies spoke on “Trends in Data Analytics”. He spoke about the significance of data preparation in data analytics and the challenges in analyzing the biomedical images.</p> <p>The second speaker Dr. S. Prabakar, Professor &amp; Head, Department of Biomedical Engineering, Sona College of Technology, Salem spoke on “AI in diagnosis, prognosis and treatment”. He spoke about how to diagnose a disease, its prognosis and treatment using Artificial Intelligence.</p> <p>The third speaker, Dr. G. Kavitha, Associate Professor, Electronics Engineering, MIT, Anna University, Chennai spoke on “Biomedical Image analysis using Machine Learning</p>







Techniques". She spoke about the analysis of CT, MRI images using Machine Learning algorithms to detect various abnormalities. The fourth speaker Dr. G. Malathi, Professor, School of Computer Science and Engineering, VIT University, Chennai, spoke on "Radiomics". She spoke about analyzing X-ray images in Oral healthcare, Ophthalmology and Oncology.

On the second day of the SERB Sponsored seminar, the first speaker was Dr. A. Kavitha, Professor & Head, Department of Biomedical Engineering, SSN College of Engineering spoke on "Autism Analysis using Advanced Machine Learning procedures". She spoke about various stages of autism and how to detect it using machine learning.

The second speaker Dr. M. Sai Baba, Director, Centre for professional development and training, Ramaiah University of Applied Sciences, visiting professor, National Institute of Advanced studies, Bengaluru spoke on "Artificial Intelligence, Society and possibilities". His presentation covers about, how AI has influenced the society in recent days and what are the future possibilities in AI.

The last speaker of the day was Dr. Mohnish Palaniswamy, Clinical Interventional Radiologist, Dr. Kush Imaging and Interventions, OMR, Chennai spoke on "Recent Trends in Imaging Modalities for Cancer treatment". He gave information about cancer treatment in recent day, how radiologists analyze the X-ray images, different types of scans, etc.

The valedictory was done by the last speaker Dr. Mohnish Palaniswamy, Certificates were distributed to all the participants, feedback is taken from the participants and the comment about the seminar event found to be well organized and excellent. Participants show interest towards joining with us in more such events.





## 2. OPTICA Event:

### Project Competition

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
St. Joseph's Group of Institutions  
OMR, CHENNAI-119  
Counselling Code:1317

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
in association with  
**OPTICA**  
Advancing Optics and Photonics Education

**OPTICA STUDENT CHAPTER**  
PROUDLY PRESENTS  
**PROJECT FEST**  
EXCLUSIVELY FOR OPTICA MEMBERS  
PARTICIPATION CERTIFICATES WILL BE ISSUED

**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., P Principal, St. Joseph's College of Engineering	
Dr. V. Vallinayagam M.Sc., M.Phil., Ph.D. Dean (Students Affairs)	Dr. A. Chandra Sekar M.E., Ph.D. Dean (Research)
Dr. G. Sreekumar M.Sc., M.tech., Ph.D. Dean (Academics)	

**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:-**  
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Shriya Mukundan - +91 9790935605  
Raghuram Murugesh - +91 6381376804

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

### Report

*An Intellectual event, "PROJECTFEST" exclusively for OPTICA members .*

An illuminating technical event was organized by department of ECE in association with OPTICA student chapter exclusively for the optica members on 20<sup>th</sup> Jan, 2023. The event started with a welcome speech and the judge for the event, Dr. Lingeswaran was welcomed by our student co-ordinator, Dr. B. Vasudevan . Nearly 20 teams from the 2<sup>nd</sup> and 3<sup>rd</sup> year of ECE dept of our college participated in the event with utmost interest. Each and every registered team were present in the event with their ppt presentation and their working model. Each team came forward and started to present their interesting ideas. After presenting the ideas, they also showed their working models. The judges reviewed the models and shared their opinions. The students eagerly listened to the judgement and also bravely answered to their questions. The judges appreciated the students for their innovative ideas and encouraged them to do similar needful projects in the future.

The entire event was very intellectual and all the participants grasped more knowledge on various ideas. The winners were appreciated with certificates. They received good compliments from the judges. All the teams were equally good and participation certificates were given for all the participants.





The event ended with a thank you speech. All the students got benefited and the event ended successfully.



**1<sup>st</sup> PRIZE : Gilbert Sam M A , Abishai Shakthi Dev , Hariharan M, Balaji V**



**1<sup>st</sup> PRIZE : Vishal S, Praveen R, Sugumar N**



**2<sup>nd</sup> PRIZE : Dharani Shree V, Dusari kaushik Raghava , Bhagwathi M , Ebi Manuel**

### 3. Publications:

The following staff members have published the research papers during January in Journal at International Level

S. No.	Name of the Author	Paper Title	Name of the Conference/Journal	Publication Details	Date of Publication
1.	Dr. B Vasudevan	Optimal gene prioritization and disease prediction using knowledge based ontology structure	Biomedical Signal Processing and Control	Sci Indexed, Vol.82 , 104548	April 2023
2.	Dr. D.Lakshmi	Foetal ultrasonographic Sparse representation evaluation of spectral trust maps	AIP Conference Proceedings	Scopus Indexed, Volume 2523, No.1	January 2023





*You Choose, We Do It*

# St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions

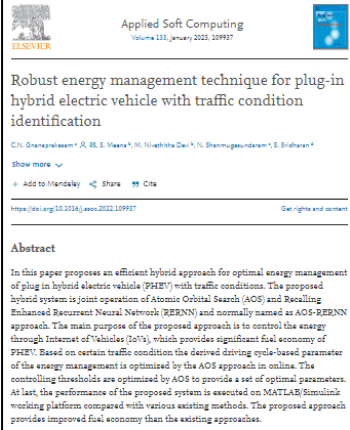

Jeppiaar Educational Trust

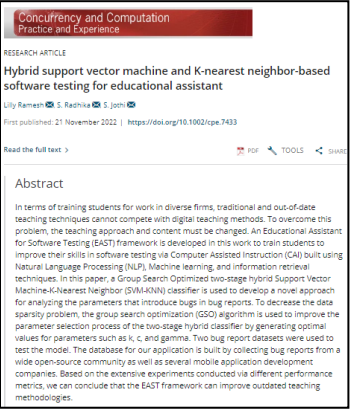
OMR, Chennai - 119.





S. No.	Name of the Staff	Title of the FDP	Host Institution	Duration	Date of Completion
1	Dr. A M Balamurugan	Futur Generation Communication and Networking	Jerusalem College of Engineering	6 days	02.01.2023 to 07.01.2023
2	Dr. B Vasudevan	Data Science and Analytics tool	Dhanalakshmi College of Engineering	5 days	09.01.02023 to 13.01.2023
3	Mrs.E Malarvizhi	International FDP on Bioinspired Optimization Techniques Programming	Eswari Engineering College-Chennai	6 days	04.01.2023 to 10.01.2023
		FDP on Artificial Intelligence &IOT	RMK College of Engineering and Technology-Chennai	5 days	02.01.2023 to 06.01.2023



## 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;"><b>Co-author: Ms. M. Nivethitha Devi</b> published a paper</p>	<p style="text-align: center;"><b><u>Staff Paper Publication</u></b></p> <p><i>C. N. Gnanaprakasam, S. Meena, M. Nivethitha Devi, N. Shanmugasundaram, S. Sridharan, “Robust energy management technique for plug-in hybrid electric vehicle with traffic condition identification”, Applied Soft Computing, Publisher: Elsevier, Print ISSN: 1568-4946, E ISSN: 1872-9681, <a href="https://doi.org/10.1016/j.asoc.2022.109937">https://doi.org/10.1016/j.asoc.2022.109937</a>, Vol. 33, Jan 2023. (Indexed in Scopus, Annexure I, Impact Factor: 6.725)</i></p> <p><b>Abstract:</b> In this paper proposes an efficient hybrid approach for optimal energy management of plug in hybrid electric vehicle (PHEV) with traffic conditions. The proposed hybrid system is joint operation of Atomic Orbital Search (AOS) and Recalling Enhanced Recurrent Neural Network (RERNN) and normally named as AOS-RERNN approach. The main purpose of the proposed approach is to control the energy through Internet of Vehicles (IoVs), which provides significant fuel economy of PHEV. Based on certain traffic condition the derived driving cycle-based parameter of the energy management is optimized by the AOS approach in online. The controlling thresholds are optimized by AOS to provide a set of optimal parameters. At last, the performance of the proposed system is executed on MATLAB/Simulink working platform compared with various existing methods. The proposed approach provides improved fuel economy than the existing approaches.</p>
2	 <p style="text-align: center;"><b>Dr. A. Tamizhselvi</b> published a paper</p>	<p style="text-align: center;"><b><u>Staff and Student Paper Published</u></b></p> <p><i>A. Tamizhselvi, J. Liju Anton and P. Yoganathan, “Secured data transmission for VANETS using CNN based trust aware clustering”, Journal of Intelligent &amp; Fuzzy Systems, Publisher: IOS Press, Print ISSN: 1064-1246, E ISSN: 1875-8967, DOI: 10.3233/JIFS-220460, vol. 43, no. 6, pp. 8073-8087, Nov 2022. (Indexed in WOS, Annexure I, Impact Factor: 1.737)</i></p> <p><b>Abstract:</b> Intelligent transport system is a greatly emerging technology in recent years. The stability and reliability of these systems is very important. In vehicular ad-hoc networks (VANET), the data transmission process can be improved by employing clustering process. The nodes can be clustered in order to utilize the maximum bandwidth of the network and improving network stability in VANETS it is to introduce road safety and driver safety. In addition, security is a major concern and the malicious nodes need to be accurately detected. Several kinds of attacks can present in the VANETS. Hence an efficient authentication method and trust aware method is essentially required. In this work, stability assured CNN based trust aware clustering and authenticated transmission is introduced. For data authentication quantum cryptography technique is employed. In clustering process, trust degree of nodes is computed, vehicle speed is observed, direction of vehicle and distance among nodes are taken. In addition, for ensuring more safety, the critical data transmission is given higher priority. Therefore in clustering, data criticality parameter is also considered. For cluster formation, convolution neural network is employed. After the clustering process, the quantum cryptography based authentication is implemented for vehicle units and road side units. Data among these units are transmitted with quantum channel encryption key. Then simulation results are observed for validating the proposed protocol.</p>

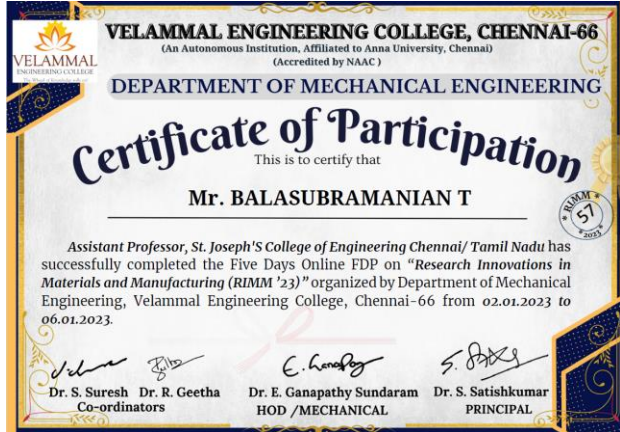
Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
3	<p>An efficient MFM-TFWO approach for unit commitment with uncertainty of DGs in electric vehicle parking lots</p> <p>Article type: Research Article            Authors: Gnanaprakasam, C.N.<sup>1</sup>   Brindha, G.*   Gnanasoundharam, J.   Ahila Devi, E.<sup>2</sup>            Affiliations: [a] Department of Electronics and Instrumentation Engineering, St. Joseph's College of Engineering, Chennai, Tamilnadu, India   [b] Department of Instrumentation and Control Engineering, St. Joseph's College of Engineering, Chennai, Tamilnadu, India            Correspondence: (*) Corresponding author: C. N. Gnanaprakasam, Associate Professor, Department of Electronics and Instrumentation Engineering, St. Joseph's College of Engineering, Chennai, Tamilnadu, India. E-mail: gnanecng@gmail.com</p> <p>Abstract: In this paper propose an efficient hybrid approach for resolve the issues based on unit commitment model integrated with electric vehicles considering the responsive load. The proposed hybrid approach is the combined performance of both the Multi-fidelity meta-optimization and Turbulent Flow of water based optimization (TFWO) and later it is known as MFM-TFWO method. The major objective of proposed approach is reduction of operational costs, reduction of real power losses, and reduction of emissions and improve the voltage stability index. The proposed system is incorporated with wind turbine and photovoltaic, electrical and thermal energy storage systems. The MFM approach is performed for the optimization of the best combination of thermal unit depend on uncertainty; cost minimization, constraints of the system. For capturing the uncertainty and ensuring the demand satisfaction is performed by the TFWO approach. The proposed approach evaluates the impact of the stochastic behavior of electric vehicles and responsive load of the demand side management. The proposed method considers the uncertainty of PV, wind, thermal, electrical demands, and electric vehicles. At last, the proposed model is actualized in MATLAB/Simulink platform and the performance is compared with other techniques. The simulation results depicted that electric vehicles and responsive loads on energy management is decreasing the operation cost and emissions.</p> <p>Keywords: Operational costs, active power losses, emissions, voltage stability index, combined cooling heating and power, electric vehicle, responsive loads, energy storage</p> <p>DOI: 10.3233/JIFS-220810            Journal: Journal of Intelligent &amp; Fuzzy Systems, vol. 43, no. 6, pp. 7485-7510, 2022            Published: 11 November 2022</p> <p><b>Co-author:            J.Gnanasoundharam            published a patent</b></p>	<p><b>Staff Paper Publication</b></p> <p><i>C. N. Gnanaprakasam, G. Brindha, J.Gnanasoundharam and E.A. Devi, “An efficient MFM-TFWO approach for unit commitment with uncertainty of DGs in electric vehicle parking lots”, Journal of Intelligent &amp; Fuzzy Systems, Publisher: IOS Press, Print ISSN: 1064-1246, E ISSN: 1875-8967, DOI: 10.3233/JIFS-220810 vol. 43, no. 6, pp. 7485-7510, Nov 2022. (Indexed in WOS, Annexure I, Impact Factor: 1.737)</i></p> <p><b>Abstract:</b> In this paper proposes an efficient hybrid approach for resolve the issues based on unit commitment model integrated with electric vehicles considering the responsive load. The proposed hybrid approach is the combined performance of both the Multi-fidelity meta-optimization and Turbulent Flow of water based optimization (TFWO) and later it is known as MFM-TFWO method. The major objective of proposed approach is reduction of operational costs, reduction of real power losses, and reduction of emissions and improves the voltage stability index. The proposed system is incorporated with wind turbine and photovoltaic, electrical and thermal energy storage systems. The MFM approach is performed for the optimization of the best combination of thermal unit depend on uncertainty; cost minimization, constraints of the system. For capturing the uncertainty and ensuring the demand satisfaction is performed by the TFWO approach. The proposed approach evaluates the impact of the stochastic behavior of electric vehicles and responsive load of the demand side management. The proposed method considers the uncertainty of PV, wind, thermal, electrical demands, and electric vehicles. At last, the proposed model is actualized in MATLAB/Simulink platform and the performance is compared with other techniques. The simulation results depicted that electric vehicles and responsive loads on energy management is decreasing the operation cost and emissions.</p>
4	 <p><b>Dr. Lilly Ramesh published a paper</b></p>	<p><b>Staff Paper Publication</b></p> <p><b>Lilly Ramesh, S. Radhika and S. Jothi, “Hybrid support vector machine and K nearest neighbor based software testing for educational assistant”, Concurrency and Computation: Practice and Experience, Publisher: Wiley, E ISSN: 1532-0634, https://doi.org/10.1002/cpe.7433, Vol. 35, No. 1, Jan 2023. (Indexed in WOS, Impact Factor: 1.831, SCI Extended, Annexure-I).</b></p> <p><b>Abstract:</b> In terms of training students for work in diverse firms, traditional and out-of-date teaching techniques cannot compete with digital teaching methods. To overcome this problem, the teaching approach and content must be changed. An Educational Assistant for Software Testing (EAST) framework is developed in this work to train students to improve their skills in software testing via Computer Assisted Instruction (CAI) built using Natural Language Processing (NLP), Machine learning, and information retrieval techniques. In this paper, a Group Search Optimized two-stage hybrid Support Vector Machine-K-Nearest Neighbor (SVM-KNN) classifier is used to develop a novel approach for analyzing the parameters that introduce bugs in bug reports. To decrease the data sparsity problem, the group search optimization (GSO) algorithm is used to improve the parameter selection process of the two-stage hybrid classifier by generating optimal values for parameters such as k, c, and gamma. Two bug report datasets were used to test the model. The database for our application is built by collecting bug reports from a wide open-source community as well as several mobile application development companies. Based on the extensive experiments conducted via different performance metrics, we can conclude that the EAST framework can improve outdated teaching methodologies.</p>



Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
5	 <p><b>Ms. M. Nivethitha Devi</b> published a patent</p>	<p align="center"><b><u>Patent Published</u></b></p> <p><b>Title of the invention :</b> IoT and cloud-based Smart women protection and security system with alert message or call to the control by voice sensing in recognizing the keywords or emotional words</p> <p><b>Name of Inventor :</b></p> <ol style="list-style-type: none"> <li>1 . Mrs. M. Nivethitha Devi</li> <li>2 . Dr. G. Kiruthiga</li> <li>3 . Tariq Hussain</li> <li>4 . A. Sunil Samson</li> <li>5 . Prasanna Divyaraj</li> <li>6 . Bhawana Chaudhary.</li> </ol> <p><b>Patent Number:</b> 202241070728  <b>Date of filing of Application :</b> 7/12/2022  <b>Publication Date:</b> 30/12/2022</p>
6	 <p><b>Dr. V.Muthulakshmi, R. Deepa, K. Priyadharshni, M. Janani</b> published a patent</p>	<p align="center"><b><u>Patent Published</u></b></p> <p><b>Title of the invention :</b> IoT and cloud technology based effective framework for ensuring the well-being of the Street Sweepers</p> <p><b>Name of Inventor :</b></p> <ol style="list-style-type: none"> <li>1 . Dr.V.Muthulakshmi</li> <li>2 . Ms.R.Deepa</li> <li>3 . Ms.K.Priyadharshini</li> <li>4 . Ms. M Janani</li> </ol> <p><b>Patent Number:</b> 202241071741  <b>Date of filing of Application :</b> 12/12/2022  <b>Publication Date:</b> 30/12/2022</p>

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution										
7	 <p style="text-align: center;"><b>Ms. J. Gnanasoundharam</b> published a patent</p>	<p style="text-align: center;"><b><u>Patent Published</u></b></p> <p><b>Title of the invention :</b> Systematic Approach for Monitoring the Pollution Control in Smart Cities and Addressing the Security Challenges Integrated with IoT</p> <p><b>Name of Inventor :</b></p> <ol style="list-style-type: none"> <li>1 . Dr. Vikash Dubey</li> <li>2 Ms. J. Gnanasoundharam</li> <li>3 . Dr. Mahipal Singh</li> <li>4 . Mr. Ramanuj Tewari</li> <li>5 . Dr. Mehul Manu</li> <li>6 . Dr. Sheshang Degadwala</li> </ol> <p><b>Patent Number:</b> 202211069831</p> <p><b>Date of filing of Application :</b> 3/12/2022</p> <p><b>Publication Date:</b> 30/12/2022</p>										
8	 <p style="text-align: center;"><b>FDP Certificate</b></p>	<p style="text-align: center;"><b>Online FDP Attended by Faculty</b></p> <table border="1" data-bbox="735 885 1974 1096"> <thead> <tr> <th>S.No</th> <th>Title of the topic</th> <th>Name of the Staff</th> <th>Conducted By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>International FDP on Bioinspired Optimization Techniques</td> <td>J. Gnanasoundharam M.Nivethitha Devi</td> <td>Department of Electronics and Instrumentation Engineering, Easwari Engineering College, Chennai</td> <td>04-01-23 to 10-01-23 (6 days)</td> </tr> </tbody> </table>	S.No	Title of the topic	Name of the Staff	Conducted By	Date	1.	International FDP on Bioinspired Optimization Techniques	J. Gnanasoundharam M.Nivethitha Devi	Department of Electronics and Instrumentation Engineering, Easwari Engineering College, Chennai	04-01-23 to 10-01-23 (6 days)
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## DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	Paper Published:	<ul style="list-style-type: none"> <li>➤ “Performance evaluation of cryogenic treated and untreated brass electrode in wire-EDM”, , <b>N.E.Arun Kumar</b>, A Suresh Babu, <b>M Subramanian</b>, <b>R Elakkiyadasan</b>, Materials and Manufacturing Processes,.</li> </ul>
2	FDP ATTENDED 	<ul style="list-style-type: none"> <li>➤ <b>Mr.T.Balasubramanian</b> participated in Five days Online FDP on “<i>Research Innovation in Materials and Manufacturing</i>” at Velammal Engineering College,Chennai-66 during the period of 02.01.2023 to 06.01.2023.</li> <li>➤ <b>Mr.V.Ashok Kumar</b> participated in Five days Online FDP on “<i>Research Innovation in Materials and Manufacturing</i>” at Velammal Engineering College,Chennai-66 during the period of 02.01.2023 to 06.01.2023.</li> <li>➤ <b>Mr.M.Ganesh</b> participated in Five days Online FDP on “<i>Research Innovation in Materials and Manufacturing</i>” at Velammal Engineering College,Chennai-66 during the period of 02.01.2023 to 06.01.2023</li> </ul>