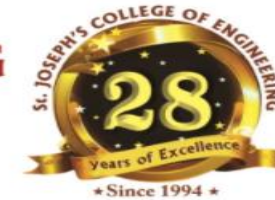





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JANUARY 2022
DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>STAFF CONFERENCE PRESENTATION</p>  <p><i>Dr.G. Baskar certificate of Appreciation</i></p>	<ul style="list-style-type: none"> • Dr. G. Baskar has been an Expert Member in the online workshop on Recent Trends of Biotechnology in Engineering, sponsored by the Department of Biotechnology, Govt of India and organized by Department of Electronics Engineering & Biomedical Engineering & Technology Incubation Centre, GH Raisoni College of Engineering, Nagpur between 15th to 18th December, 2021.



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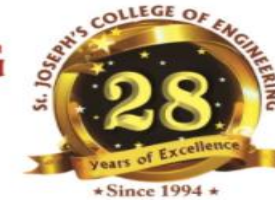
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Ms Caroline copy of certificate

- **Ms. Caroline** has participated in the International e-lecture workshop on Innovation in Biotechnology & Inauguration by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, between 19-20th January 2022.



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One Week Online Faculty Development Programme
on
“Exploring New Frontiers in Chemical and Biological Science”
31st January - 5th February 2022
Under Star College Programme
2021-2022

CERTIFICATE OF PARTICIPATION

This is to certify that L F A Anand, Associate Professor, St. Joseph's College of Engineering has participated on Day 2 of the Faculty Development Programme on the topic “Hydrogels For Multiple Heavy Metal Adsorption” organized by Mariana Star Centre, Department of Chemistry, St. Mary's College (Autonomous), Thoothukudi sponsored by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi on 1st February 2022.

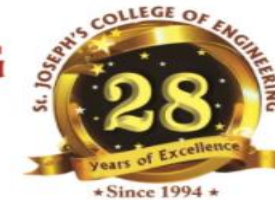
 Dr. Sr. Arockia Jenecius Alphonse Overall Star Coordinator	 Dr. T. Linda Fernando Organising Secretary	 Mrs. S. Rani Jeyamary Convener	 Dr. Sr. A.S.J. Lucia Rose Principal
---	---	---------------------------------------	--

Dr Anandraj copy of certificate


- **Dr. Anandraj** has participated in the Faculty Development Program on Hydrogels for Multiple Heavy Metal Adsorption organized by Mariana Star Centre, Department of Chemistry, St. Mary's College, Thoothukudi and sponsored by Department of Biotechnology, Ministry of Science and Technology, Govt of India on 1st February 2022.



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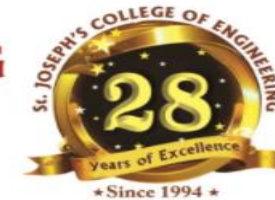


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1		<p>Date : 28.01.2022 and 29.01.2022 Venue : Online mode Nature of Event : International Conference Participants : Faculties and Researchers throughout the Nation</p> <ul style="list-style-type: none"> • Objective: The conference aims at bringing together researchers and practitioners in the world working on computing, communications and Applied Informatics. This conference seeks to bring together international researchers to present papers and generate discussions in recent trends and developments of computing. The conference will feature a range of presentations on latest research activities as well as stimulating talks and keynote addresses <p>Outcome: Received 570 paper from various domain and shortlisted 188 papers. With 44 panels and four keynotes speakers were arranged to evaluate the papers</p>



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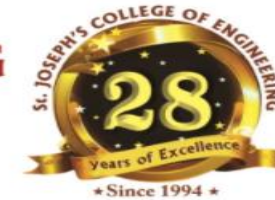


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.No	Events	Remarks	
1.	FACULTY DEVELOPMENT PROGRAM 	Mr.T.Sriananda Ganesh	Criteria 6 1. Attended a One Week Online Faculty Development Program on “AI Applications to Power Systems” organized by Siddaganga Institute of Technology, Tumakuru from 17/01/2022 to 22/01/2022. 2. Attended a Five Days Online Faculty Development Program on “Recent Innovations and Developments in Energy Technologies (RIDET)” organized by Velammal Engineering College, Chennai from 24/01/2022 to 29/01/2022.
2.	Student Activity for the month Jan 2022	Name	Online Course
		KARTHIKEYAN S	web design for beginners: real world coding in HTML and CSS, udemy online courses, DEC 18,2021.
		KARTHIKEYAN M	Learn to code in Python 3: Programming beginner to advanced, Udemy online courses, Nov 1 2021
		KATHIRAVAN M	Learn to code in Python 3: Programming beginner to advanced, Udemy online courses, Jan 7 2022
		ISWARIYA B	Learn to code in Python 3: Programming beginner to advanced, Udemy online courses, Jan 7 2022
		LINDA JOICE R.P	Learn to code in Python 3: Programming beginner to advanced , Udemy online courses, Jan25 2022



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		MUGUNDHAN B	Completed online course titled "Crash Course on Python" conducted by Coursera on Jan 22 2022
3.			<p>As a part of the initiative, Empower Women Together titled “SHE LEADS” has been organized, the first webinar on 27/01/2022 was made vibrant with an enthralling speaker’s presence Dr.S.Brindha, is an active IEEE volunteer and the Student Branch Counsellor of Sri Sairam College of Engineering, Chennai. The session was to enlighten us on “MY IEEE JOURNEY”, the speaker drew our attention to whether we needed confidence rather than competence in which she explained about experience, skills, knowledge, behavior, performance, and our goals. About 95 participants from various countries around the world registered and benefited through “SHE LEADS”.</p> <p>The event was hosted by Ms. Abinayaa Sri T and the Q and A session was handled by Ms.Christel Peeris R. By the end of the session, a memento was presented to Dr.S.Brindha by Ms.Christel Peeris R to honor her presence in SHE LEADS’.</p>



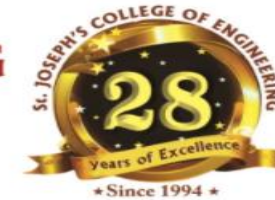
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<p>4.</p>	<p style="text-align: center;">PIC: IEEE event poster</p>	<p>As a part of the initiative, Empower Women Together titled “SHE LEADS’ ” has been organized, the webinar on 28/01/2022 was made vibrant with an enthralling speaker’s presence Ms.Jenifer Castillo Rodriguez, who is an active IEEE volunteer and the IEEE Women in Engineering Committee Chair (2021-2022) and IEEE Region 9 Director-Elect (2022-2023). " MY IEEE JOURNEY " was the topic of the speaker's presentation. She discussed the significance of goal-setting in one's life. She talked about her personal life as well as her professional experiences. She emphasized the necessity of women's empowerment in all sectors. On an overview, the session was very motivating and made us think about what changes we can make in our lives to become leader. About 105 participants from various countries around the world registered and benefited through “SHE LEADS’ ”. The event was hosted by Ms. Jamuna U and the Q and A session was handled by Ms. Abinayaa Sri T. By the end of the session, a memento was presented to Ms. Jenifer Castillo Rodriguez by Ms. Abinayaa Sri to honor her presence in SHE LEADS’</p>
<p>5.</p>	<p style="text-align: center;">PIC: IEEE event poster</p>	<p>As a part of the initiative, Empower Women Together titled “SHE LEADS’ ” has been organized, the webinar on 29/01/2022 was made vibrant with an enthralling speaker’s presence Ms.Uduak Akpanedet, who is currently working as a graduate consultant within the technology team. The session was to enlighten us on “ DEVELOPING CAREER SKILLS ", the speaker drew our attention. Networking is an important skill that everyone needs to acquire. She insisted every participant interact and made it an interactive session. The participants enjoyed the networking webinar through which they gained the skill to ask questions and interact with everyone. About 110 participants from various countries around the world registered and benefited through “SHE LEADS’ ” The event was hosted by Ms. Ramya R and the Q and A session was handled by Ms. Christel Peeris By the end of the session, a memento was presented to Ms. Uduak Akpanedet by Ms.Abinayaa Sri to honor her presence in SHE LEADS’.</p>



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<p>6.</p>	<p style="text-align: center;">PIC: IEEE event poster</p>	<p>As a part of the initiative, Empower Women Together titled “SHE LEADS’ ” has been organized, the webinar on 30/01/2022 was made vibrant with an enthralling speaker’s presence Ms.Bozenna Pasik-Duncan, who is a professor of mathematics, a courtesy professor of both EECS and AE and an ITTC investigator at the University of Kansas.</p> <p>The session was to enlighten us on “WHY WOMEN IN IEEE ?”, the speaker drew our attention to her own life experience in IEEE and also about the importance of women in IEEE. About 75 participants from various countries around the world registered and benefited through “SHE LEADS’ ”.</p> <p>The event was hosted by Ms. Deepika and the Q and A session was handled by Ms.Dharani. By the end of the session, a memento was presented to Ms.Bozenna Pasik-Duncan by Ms. Kaviya to honor her presence in SHE LEADS’.</p>
<p>7.</p>	<p style="text-align: center;">PIC: IEEE office bearers meet poster</p>	<p>IEEE Women in Engineering under St Joseph’s College of Engineering Student Branch Chapter organized WIE OFFICE BEARERS meet on January 12, 2022, at 8:45 PM. The event was conducted in G-meet. There were a total of 15 participants. The event was organized by Mr. Sreekanth with the SB team. The notable participants were Abinayaa Sri T(Chairperson of WIE-2022), Jamuna U (Vice-Chairperson), Christel Peeris R (Secretary), Kaviya P (Joint-Secretary), Ramya R (Treasurer), Committee members Deepika U and Dharani V. Akshaya S, the Ex-Chairperson of IEEE SJCE WIE-2021,also joined with us and shared her 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</p>



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English Qualifications



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8.



St. Joseph's College
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Student Branch Chapter

IEEE
Madras Section

Department of Electrical and Electronics Engineering
IEEE SJCE SB Manavar Mandram
in association with
IEEE Madras Section
Cordially Presents

வித்தகம் 2021

Webinar on

தமிழின் இனிமையும் வளமையும்



F HELEN VANDANA
B.T ASST - ROSARY MAT. HR.
SEC. SCHOOL

Date: 30.11.2021

Time: 06:00 PM

REGISTER AT

<https://tinyurl.com/Vithagam2021>

*E-Certificates will be provided to all *

in f | IEEE SJCE SBC | IEEE MAS

PIC: IEEE event poster

The IEEE SJCE SB மாணவர்கள் மன்றம் of St Joseph's College of Engineering in association with IEEE Madras Section conducted an online webinar series "Vithagam 2021". The first session was presented by Mrs. F Helen Vandana B.T Asst. who is teacher in Rosary Mat. Hr. Sec. School on the topic தமிழின் இனிமையும் வளமையும். Over 50 participants attended the event and all of them were provided with a participation E-Certificate. The student coordinators for this event were Mani Sha. N, Jayashruthi R.V, AkshayaKrishnen, Amirtha Varshini. M and Godson S V Noble.



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St. Joseph's College
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IEEE
Madras Section

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IEEE SJCE SB Manavar Mandram
in association with
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Cordially Presents

வித்தகம் 2021

Webinar on
கவிஞர் கண்ணதாசன் தமிழ் முழக்கம்



முனைவர் கார்முகில்
பழனிசாமி திங்களுர்.
MA, DLIT - RETIRED NLC
ASSISTANT OFFICER

Date: 05.12.2021

Time: 06:00 PM

REGISTER AT

<https://tinyurl.com/Vithagam2021>

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in f | IEEE SJCE SBC | IEEE MAS

PIC: IEEE event poster

The IEEE SJCE SB மாணவர்மன்றம் of St Joseph's College of Engineering in association with the IEEE Madras Section conducted an online webinar series "Vithagam 2021". The second session was presented by Dr. Karmugil Palanisamy Thingalur MA, DLIT who is a Retired NLC Assistant officer on the topic கவிஞர் கண்ணதாசன் தமிழ் முழக்கம். Over 50 participants attended the event and all of them were provided with a participation E-Certificate. The student coordinators for this event were Mani Sha. N, Jayashruthi R.V, AkshayaKrishnen, Amirtha Varshini. M and Godson S V Noble.



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St. Joseph's College
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Student Branch Chapter



Department of Electrical and Electronics Engineering

IEEE SJCE SB மாணவர் மன்றம்
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வித்தகம் 2021

Webinar on
தரணி போற்றும் தமிழர் பண்பாடு



ம. செல்வசுந்தன் பிரபு M.A., M.Phil., M.Ed.
முதுகலை தமிழாசிரியர்
சீயோன் மேல்நிலைப்பள்ளி,
சேலையூர்

Date: 09.12.2021

Time: 06:00 PM

REGISTER AT

<https://tinyurl.com/Vithagam2021>

*E-Certificates will be provided to all *

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PIC: IEEE event poster

The IEEE SJCE SB மாணவர்மன்றம் of St Joseph's College of Engineering in association with the IEEE Madras Section conducted an online webinar series "Vithagam 2021". The third session was presented by M. Selvaston Prabhu M.A., M.Phil., M.Ed. who is Post Graduate Tamil teacher in Zion Higher Secondary School on the topic தரணி போற்றும் தமிழர் பண்பாடு. Over 50 participants attended the event and all of them were provided with a participation E-Certificate. The student coordinators for this event were Mani Sha. N, Jayashruthi R.V, AkshayaKrishnen, Amirtha Varshini. M and Godson S V Noble.



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Department of Electrical and Electronics Engineering
IEEE SJCE SB மாணவர் மன்றம்
in association with
IEEE Madras Section
Cordially Presents

வித்தகம் 2021

Webinar on
மனதில் உறுதி வேண்டும்



P.MALARKODI MSc
PCO
HPPWS CSC VIHAAN

----- **Date: 18.01.2022** -----
----- **Time: 06:00 PM** -----

REGISTER AT
<https://tinyurl.com/Vithagam2021>

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[in](#) [f](#) [@](#) | IEEE SJCE SBC | IEEE MAS

PIC: IEEE event poster

The IEEE SJCE SB மாணவர்மன்றம் of St Joseph's College of Engineering in association with the IEEE Madras Section conducted an online webinar series "Vithagam 2021". The fourth session was presented by Ms. MALARKODI. P (Msc) a Tamil enthusiast working as PCO at HPPWS CSC VIHAAN on the topic மனதில் உறுதி வேண்டும். Over 40 participants attended the event and all of them were provided with a participation E-Certificate. The student coordinators for this event were Mani Sha. N, Jayashruthi R.V, AkshayaKrishnen., Amirtha Varshini. M and Godson S V Noble.



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Department of Electrical and Electronics Engineering

IEEE SJCE SB மாணவர் மன்றம்
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வித்தகம் 2021



Webinar on
தற்கால புது கவிதைகள்

தாய்.ராசி.ஜெகதீஸ்வரன்
நிறுவனர்
தாய்த் தொண்டு மையம்

Date: 19.01.2022

Time: 06:00 PM

REGISTER AT

<https://tinyurl.com/Vithagam2021>

*E-Certificates will be provided to all *

in f @ | IEEE SJCE SBC | IEEE MAS

PIC: IEEE event poster

The IEEE SJCE SB மாணவர்மன்றம் of St Joseph's College of Engineering in association with the IEEE Madras Section conducted an online webinar series "Vithagam 2021". The fifth and final session was presented by Thai. Rasi. Jegatheeswaran, Founder of Thai charity center on the topic தற்கால புது கவிதைகள். Over 50 participants attended the event and all of them were provided with a participation E-Certificate. The student coordinators for this event were Mani Sha. N, Jayashruthi R.V, AkshayaKrishnen., Amirtha Varshini. M and Godson S V Noble.



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Counselling Code :1317

ARIA, NIRF, NAAC, Cambridge, IEEE, etc.

St. Joseph's IEEE Student Branch Chapter
presents
Orientation for Website team

Jan 13 2022, 2:00 PM

Platform : Google Meet
Link : <https://meet.google.com/slp-kqyn-krc>

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Chairman, St. Joseph's Group of Institutions

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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

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

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

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

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 99401 04881 / +91 99401 04882

IEEE SJCE SB conducted an orientation for the Website Team of IEEE SJCE SBC on 13 January 2022 at 2.00 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.

PIC: IEEE event poster



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COUNSELLING CODE:1317

IEEE
Department of Electrical and Electronics Engineering
in association with
IEEE POWER ELECTRONICS SOCIETY
PRESENTS
MATH-O-PETS
Date: 23.01.2022
Time: 6 PM

"Maths gives hope that every problem has a solution"
So participate in this quiz, and test your basics in math
E-Certificates will be provided to all the participants

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Chairman, St. Joseph's Group of Institutions

Patrons
Mrs. S. Jessie Priya M.Com.
Managing Director, St. Joseph's Group of Institutions
Dr. Vaidi Seshagiri Rao M.E., M.B.A., Ph.D.
Principal, St. Joseph's College of Engineering
Mr. B. Shashi Sekar M.D.
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

Convenor
Dr. T.J. Nairamathia M.E., Ph.D.
Professor & Head - Lab Affairs
SBC Advisor
Dr. Jayaramma Pradeep M.E., Ph.D.
Professor & Head - Staff Affairs
Staff Coordinator
Mr. R. Srinivasan M.E., Ph.D.
Assistant Professor

EMAIL: ieeesjce_pets2022@gmail.com
Student Coordinators: ELANCHEZHIAN R J | KARTHIKEYAN M | JESSE S | ALWYN SAMUEL M | DIVYA LAKSHMI G | POOJASREE K | HEMAA K

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 99401 04881 / +91 99401 04882

PIC: IEEE event poster

The IEEE Power Electronics Society of St Joseph's College of Engineering conducted Math-O- tactics, a mathematical quiz contest. This event was conducted on 23rd January 2022, an online event for college students, to improve the knowledge of students with mathematical brain teaser questions. Nearly 30 participants have participated and all were given E-certificates. The best answers were given winner's certificate. The student coordinators for this event were Elanchezhian R J, Karthikeyan M, Jesse S, Alwyn Samuel M, Divya Lakshmi G, Poojasree K, Hema K.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
in association with
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presents

Mindfest

January 19 2022

Register here: <https://bit.ly/mindfest>

Exclusively for 10th, 11th and 12th students

E-Certificates will be provided to all the participants

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Chairman, St. Joseph's Group of Institutions.

Patrons
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Executive Director, St. Joseph's Group of Institutions
Dr. Vaddi Seshagiri Rao
Principal, St. Joseph's College of Engineering
Dr. B. Parvathavarthini
Deans Research, St. Joseph's College of Engineering

SBC Advisor
Dr. Jayaram Pradeep
Professor & Head, Staff Office

Convenor
Dr. T.V. Narmadha
Professor & Head, Staff Office

Staff Coordinators
Mr. R. Sreekanth
Assistant Professor
Mr. R. Elanthirayan
Assistant Professor

Student Coordinators
IEEE SJCE SB Team

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 99401 04881 / +91 99401 04882

The Department of Electrical and Electronics Engineering in association with IEEE Student Branch Chapter held an online event called “Mindfest” on 19th January 2022. The participants were supplied with 15 technical questions and asked to solve them within the given time. There was a total of 20 participants in the event. Ms. P.Kavinaya took first place, followed by Mr.K. Nandeewaran for second place, Mr. Anish T for third place.

PIC: School event poster



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16

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COUNSELLING CODE :1317

ARIIA NATIONAL BOARD OF ACCREDITATION NIRF Cambridge

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organizes
A PUZZLE CONTEST

DATE:
December 30,
2021

EXCLUSIVELY FOR
HIGHER SECONDARY
SCHOOL STUDENTS

TO PARTICIPATE:
<https://forms.gle/IRVU4b3djlAov7eU6>

E-CERTIFICATES WILL BE PROVIDED

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Chairman, St. Joseph's Group of Institutions

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

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

Staff Coordinators
Ms. R.G. Nirmala M.E., Ph.D.
Assistant Professor
Ms. M. Sumitha M.E., Ph.D.
Assistant Professor

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A puzzle contest had been conducted in December 30th 2021 exclusively for higher secondary school students. Students from various schools had participated actively in the contest. The contest had been conducted in online mode. Google form had been shared and the students those who got maximum marks had been awarded with e-certificate. Puzzle contest really enlighten the knowledge of the students.

PIC: School event poster



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PAPER CRAFT COMPETITION

DEC 29th 2021

Exclusively For 10th, 11th, 12th and Diploma Students

THEME: NEW YEAR DECORATIONS

Register & upload the image of your paper craft in the below link: <https://forms.gle/bP8TK6kEc67Ag8ih7>

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Dean, St. Joseph's College of Engineering
Ms.S.P.Vedavalli M.E.
Assistant Professor
Ms.S.Gomathi M.E.,
Assistant Professor

For Admissions:
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Contact: 9940104881 / 9940104882

PIC: School event poster

Department of EEE organized an online paper craft competition for the students of class X,XI,XII and diploma students on 29th December 2021. The theme of online paper craft competition is "New Year Decoration". Around 21 students from different schools and Polytechnic Colleges participated in this event. E-Certificates are distributed to the winners

Winners of the Event

First Prize	Ms.Sreenidhy S.S	Zion Matriculation Higher Secondary School ,Selaiyur.
Second Prize	Ms .C .S .Girthana	Velammal Vidhyashram



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COUNSELLING CODE: 1317
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
CONDUCTS
GENERAL KNOWLEDGE QUIZ
27TH DECEMBER 2021

27
MONDAY
3 PM TO 4 PM

*Exclusively For
11th, 12th
and Diploma
Students*

Event Link:
<https://forms.gle/xG4PiPYtkvWZ1Trt7>
*E-CERTIFICATES WILL BE PROVIDED FOR ALL PARTICIPANTS AND WINNERS

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Dean, St. Joseph's College of Engineering

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

Staff Coordinators
Mr. H. Umesh Prabhu M.E., Ph.D. / Assistant Professor
Mr. N. Jeyaprakash M.E., Ph.D. / Assistant Professor

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PIC: School event poster

An event in the name “General Knowledge Quiz” was organized exclusively for 11th, 12th and diploma students. The event was conducted through online by the means of Google form. Total four students have participated in the event and the winner was awarded the certificate of merit.



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COUNSELLING CODE :1317

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organizes
A PAINTING CONTEST
ON THE THEME
JALLIKATTU

DATE:
JANUARY 17, 2022

EXCLUSIVELY FOR
11th, 12th & DIPLOMA
STUDENTS

TO SUBMIT:
<https://forms.gle/oWxjPPjPqcdcdri8>
E-CERTIFICATES WILL BE PROVIDED

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Chairman, St. Joseph's Group of Institutions

Patrons

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Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering	Dr. B. Parvathavarthini M.Sc., M.B.A., M.E., Ph.D. Dean (Research), St. Joseph's College of Engineering
Convenors Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head, Staff Affairs	Staff Coordinators Dr. M. Venmathi M.E., Ph.D. Associate Professor
Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs	Dr. M. Anitha M.E., Ph.D. Assistant Professor

PIC: School event poster

Department of EEE organized an Online drawing competition to celebrate the Pongal festival on the theme “Jallikattu” exclusively for the students of class IX, X, XI, XII and diploma students on **January 17, 2022**. The contest facilitated active participation of students from various schools of the state. Around 30 students from 20 different schools participated in this event. E-Certificates are distributed to the winners.



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20

The poster features the college logo at the top left, followed by the text: "St. JOSEPH'S COLLEGE OF ENGINEERING (An Autonomous Institution) St. Joseph's Group of Institutions Jeppiaar Educational Trust OMR, Chennai - 119." It includes accreditation logos for NIRF, NBA, A+ NAAC, Cambridge, and ARIIA. A central banner reads "COUNSELLING CODE:1317 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PMC QUIZ". Below this is a date stamp "31 DECEMBER 2021" and a note "Exclusively For 10th, 11th, 12th and Diploma Students". The registration link is "https://tinyurl.com/PMCQUIZ21". The poster lists the Chief Patron (Dr. B. Babu Manoharan), Patrons (Mrs. B. Jessie Priya, Dr. Vaddi Seshagiri Rao), Convenors (Dr. Jayarama Pradeep, Dr. T.V. Narmadha), and Staff Coordinators (Mr. B. Shashi Sekar, Dr. B. Parvathavarthini, Dr. S. Sridharan, Mr. Nishant S).

PIC: School event poster

The PMC QUIZ –ONLINE QUIZ EVENT was organized by Department of Electrical and Electronics Engineering on 31ST December 2021”. 10th, 11th, 12th Standard students and Diploma Students from various schools & Colleges took part in this event.

The main objective of the PMC quiz is Refresh basics of Physics, Chemistry and Mathematics subjects.

The quiz included 15 questions about basics of Physics, Chemistry and Mathematics. All the quiz questions are multiple choice questions. Events like this help people to relax their mind and engage in useful activities that help people to get away from the negativity of pandemic situation. There is no registration fee. The Registration link has been circulated through mail and social networks. Participation certificates has been given to all participants. Merit certificate is provided to the students who has scored above 80% score in the quiz. All E-Certificates has been sent to their respected Email ID



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organises
Tech Snap
It's a Technology awareness program for students

Exclusively for 10th, 11th, 12th and Diploma students

- Take a snap shot on any new technology and upload it in the given google form
- All the participants will receive the E-certificate

Date: 26-12-2021 to 31-12-2021

Google Form Link : <https://forms.gle/R2CdFzWznJ8582RC7>

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

Staff Coordinators
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Dean, St. Joseph's College of Engineering

Mr. A. Sadeesh Kumar M.E., (Ph.D.)
Assistant Professor

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PIC: School event poster

Technology has revolutionized our daily lives by giving us access to amazing tools and resources. Our department organized School event under the title “Tech Snap” competition from 26/12/2021-31/12/2021. Around 25 participants had participated in this event and sent new technology snapshots. This competition creates awareness about new technology paves way to choose successful career. All the students are provided with the participation certificate.



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NIRF ARIIA NAAC Cambridge

COUNSELLING CODE:1317
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organises
WHATSAPP STATUS

Exclusively for 10th, 11th,
12th and Diploma
students

- Upload whatsapp status for the given themes and win the E-certificate
- Submit your Whatsapp image or video on the different themes through the Google form link given below

Event Date: 18-01-2022

Themes
Indian Culture
Indian Politics
Indian Scientist and their invention
Indian Sports

Submission Link : <https://forms.gle/miRh7WjwUEdhX4d58>

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Dean, St. Joseph's College of Engineering

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

Staff Coordinators
Dr. V. Krishnakumar M.Tech., Ph.D.,
Associate Professor
Mr. T. Sriananadaganesh M.E., (Ph.D.),
Assistant Professor

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PIC: School event poster

Our department organized a “Whatsapp Status” specially for school and polytechnic students on “Themes-Indian Culture, Indian Politics, Indian Sports, Indian Scientist and their invention” 18.01.2022. The event was really very challenging and useful to the students. On the day the event link has been posted in the registered E-mail/ Mobile number, test link remain open for 2 hours. E-certificates are distributed to those submitted the quick response with correct solution.



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23



COUNSELLING CODE:1317

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Poster Design Smart Irrigation

24
DECEMBER
2021

Exclusively For
10th, 11th, 12th
and Diploma
Students



Registration Link: <https://forms.gle/6zp3r47enVny6Y797>

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Managing Director, St. Joseph's Group of Institutions

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Dean, St. Joseph's College of Engineering

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Assistant Professor

Mr. S. Sivakumar M.E.
Assistant Professor

For Admissions:

Visit: www.stjosephs.ac.in / www.stjosephstechnology.ac.in

Contact: 9940104881 / 9940104882

PIC: School event poster

Department of EEE organised event on Poster presentation on Smart Irrigation, exclusively for 10th, 11th, 12th and diploma students. It was held on Dec 24, 2021. About 5 participants from various schools participated.



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COUNSELLING CODE: 1337

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING CONDUCTS

STUDENT DEVELOPMENT PROGRAM ON SERVICING & MAINTENANCE OF HOME APPLIANCES

23rd December 2021

2021
DECEMBER
23
THURSDAY
6 PM TO 7 PM

Registration Link:
<https://tinyurl.com/SdvrrrF7>

Meet Link:
<https://meet.google.com/wcb-aezc-dwj>

Chief Patron
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Patrons

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Principal, St. Joseph's College of Engineering

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Executive Director, St. Joseph's Group of Institutions

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

Convenors

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Professor & Head - Staff Affairs

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

Staff Coordinators

Mr. M. Chilambarasan M.E., (Ph.D.)
Assistant Professor

Mr. V. Balasubramanian M.E., (Ph.D.)
Assistant Professor

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On behalf of EEE dept. of St. Joseph's college of Engineering we have conducted student development programme in the title of "SERVICING AND MAINTENANCE OF HOME APPLIANCES" On 23rd December 2021. Number of participants of about 15 students participated from various schools and polytechnic colleges of tamilnadu. Participants are highly benefited by learning hands on experience of home appliances servicing and maintenance such as ceiling fan, pedestal fan, table fan, mixie, wet grinder, refrigerator, air conditioner etc.,

PIC: School event poster



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organises

CONNECTIONS

Exclusively for 10th, 11th, 12th and Diploma students

Event Date
28-12-2021

Registration Link : <https://tinyurl.com/connectionsdec2021>
E-Certificates will be provided for all the participants

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Associate Professor
Mr. K. Aravindhan M.E., (Ph.D.)
Assistant Professor

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PIC: School event poster

Department of EEE organized an Online connections exclusively for the students of class IX, X, XI, XII and diploma students on 28th Dec, 2021. The contest facilitated active participation of students from various schools of the state. Around 26 students from 10 different schools participated in this event. E-Certificates are distributed to the winners.

26

Placement Details for month Jan 2022

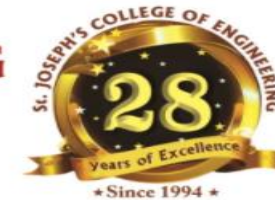
- 312318105142- SURENDHARAN - REVATURE
- 312318105066 - KAARTHIKEYAN S - American Mega Trends
- 312318105125 - ROSHAN K - Qspider
- 312318105135 - SIVA SANKAR V - AVASOFT
- 312318105113 - RAMKUMAR S - AVASOFT, CTS, L&T, KPIT
- 312318105027 ARVIND G K - Mitsogo, Mu-Sigma, CTS & Wipro
- 312318105153 VELAN M - Ashok Leyland and Indigo Airlines, CTS

Total no of students placed = 131 UG & 3 PG

Total no of offers = 207 offers



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DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sl. No.	Title	Detail					
		S.No	Faculty Name	Date	Webinar /Fdp attended/ workshop	Conducting agency	No. of days
1	Webinar/ FDP Attended By Faculty	1.	Mrs.C.Rama Devi	17/1/22 to 21/1/22	FDP ON "Post COVID green and sustainable development in Manufacturing Industries".	CVR College of Engineering, Hyderabad	5 days



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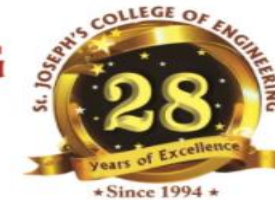
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2	Publications	S.No	Faculty	Title of the paper	Date	Journal
		1	V. Rajinikanth and K. Palani Thanaraj	Detecting epilepsy in EEG signals using synchro-extracting-transform (SET) supported classification technique	04.01.2022	Journal of Ambient Intelligence and Humanized Computing (IF:7.104)
		2	V. Rajinikanth	Semi/Fully-Automated Segmentation of Gastric-Polyp Using Aquila-Optimization-Algorithm Enhanced Images	01.01.2022	Cmc-Computers Materials & Continua (IF:3.772)
		3	V. Rajinikanth	EEG Channel Selection Using Multiobjective Cuckoo Search for Person Identification as Protection System in Healthcare Applications	12.01.2022	Computational Intelligence and Neuroscience (IF:3.633)
			V. Rajinikanth	Application of Local Configuration Pattern for Automated Detection of Schizophrenia with EEG Signals,	January 2022	DOI: 10.1111/exsy.12957), Expert Systems - Wiley (IF.2.587)
		4	D Dinesh Kumar	Performance Enhancement of the Parkinson Disease Classification Using Deep Learning Model	accepted	<i>ECS Transactions</i>
		5	C.Rama Devi	An IOT & Machine learning basis method of communicating digital message with an information signal using cloud computing	28/1/22	Application No.202241002257 A (Patent).



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3.	Webinar/Workshop/school event Conducted	S.NO	Date	Name of the Event	Targeted Participants	Faculty Coordinator
		1.	29-01-2022	SNAP IT	School Event	N.Hariprasad D.Dinesh Kumar



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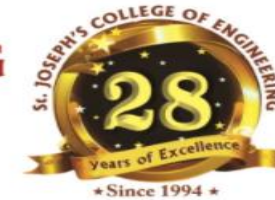
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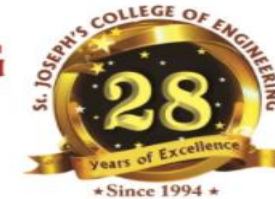


DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING


Sl. No.	Photographs Captured During Events	Corresponding remarks
1.	<p>Conference</p>  <p>CERTIFICATE</p> <p><i>This is to certify that T.Abimala of St.Joseph's College of Engineering, Chennai has presented the paper titled "A comprehensive study on Automatic Emotion detection system using EEG signals and Deep learning algorithms" in the "International Conference on Computational Intelligence - ICCI 2021" held virtually on 27th - 28th December 2021.</i></p> <p>Prof. Anupam Shukla Director IIIT Pune</p> <p>Prof. J. C. Bansal General Secretary Soft Computing Research Society</p>	<p>Date: 27 December,2021 to 28 December,2021</p> <p>TOPIC: International Conference on Computational Intelligence - ICCI 2021</p> <p>Organizer: Indian Institute of Information Technology, Pune</p> <p>No. of Participant:01</p>
2.	<p>FDP</p>  <p>Certificate</p> <p><i>This is certified that Abimala T, Assistant Professor of St.Joseph's college of engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Signal Processing for Cognitive Neuroscience Applications" from 17/01/2022 to 21/01/2022 at National Institute of Technology, Meghalaya.</i></p> <p>Advisee,ATAL Academy Mamta Rani Agarwal</p> <p>Coordinator</p>	<p>Date: 17 January,2022 to 21 January,2022</p> <p>TOPIC: Signal Processing for Cognitive Neuroscience Applications</p> <p>Organizer: National Institute of Technology, Meghalaya</p> <p>No. of Participant:01</p>



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DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	Staff Publications: 	<ul style="list-style-type: none"> ➤ N Prasanna Iyer, Arunkumar N (2022), Investigation of Abrasive water jet machining parameters of Bismaleimide composites, <i>Materials and Manufacturing Processes</i>, https://doi.org/10.1080/10426914.2022.2032145 ➤ Ganesh M, Arunkumar N (2022), Effect of cryogenic cooling in deep hole drilling process – a stride in the direction of green manufacturing, <i>Materials and Manufacturing Processes</i>, https://doi.org/10.1080/10426914.2022.2030878 ➤ M. Ganesh, Arunkumar N, K. Elavarasan and R. Sathish. (2022). Experimental Investigation of Friction and Wear Behavior of AL7075-TiO₂-B₄C using RSM, ANN and Desirability Function, <i>Int. J. Vehicle Structures & Systems</i>, 14(1), 41-46. doi: 10.4273/ijvss.14.1.10.



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2



- Mr.K.Pravinkumar Attended an Online webinar on “Friction welding and allied processes” organized by Department of Mechanical Engineering, , Arasu Engineering College, Kumbakonam, through online pedagogy on 27.01.2022.



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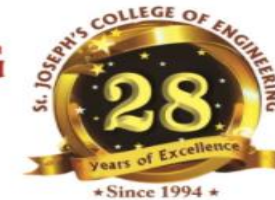
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DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks (Minimum 300 words) in regarding the status of activity execution stating
1.	Guest Lecture / Webinar Organized	<ul style="list-style-type: none"> • Mr.S.P.Senthil Kumar, Ms.R.Adlin Rose, Mr. S.Thangaperumal, Ms.P.Padmapiya have Conducted the school event titled 'Festivals of India-A Poster Competition' during 25.1.2022 to 28.1.2022. • S.Banupriya.R.Ruthra and P.Sri Balaji have Conducted the school event titled 'Online Art & Craft Competition' during 19.1.2022 to 25.1.2022.
2.	Other activities (if any)	Ms.R.Adlin Rose had completed NITTTR Module 3,4,5,6 Examinations



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DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
1	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning</p> <p style="text-align: center;"><small>M. Akshay Kumar¹, Duraimurugan Saranya², P. M. Durai Raj Vincent³, Katharavan Sarinivas⁴, Chuan-Yu Chang⁵ and Harish Ganesh⁶</small></p> <p><small>¹Department of Information Technology, St. Joseph's College of Engineering, Chennai, India; ²School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India; ³School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, India; ⁴Department of Computer Science and Information Engineering, Vellore Institute of Technology, Vellore, India; ⁵Department of Computer Science and Information Engineering, Vellore Institute of Technology, Vellore, India; ⁶Service Systems Technology Center, Institute of Technology, Vellore Institute of Technology, Vellore, India</small></p> <p>OPEN ACCESS</p> <p><small>Editorial board: Giuseppe Bianchi, School of Computer Technologies, University of Salerno, Italy; Reviewed by: Basil Mohamed Jameel, Al-Qadisiyah University, Iraq; Special Issue Editor: Natarajan Lakshmi, National University of Science and Technology, H-12, Islamabad, Pakistan; Section Editor: Anish Ghosh, Indian Institute of Technology, Kharagpur, India; Correspondence: M. Akshay Kumar, akshayk@sjcet.ac.in; Specialty section: This article submitted to Digital Public Health, a section of the journal Frontiers in Public Health; Received: 09 November 2021; Accepted: 07 December 2021; Published: 07 January 2022; Citation: Akshay Kumar M, Saranya D, Duraimurugan S, Vincent PM, Sarinivas K, Chang CY and Ganesh H (2022) A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning. <i>Front. Public Health</i> 9:819392. doi: 10.3389/fpubh.2021.819392</small></p> <p style="text-align: center;">M. Akshay Kumar, S. Duraimurugan published paper in WOS Indexed Journal</p> </div>	<p style="text-align: center;">(Student and Staff Journal Publication)</p> <p>M. Akshay Kumar, S. Duraimurugan, P. M. Durai Raj Vincent, S. Kathiravan, Chuan-Yu Chang and G. Harish, “Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning”, Frontiers in Public Health, Vol. 9, https://doi.org/10.3389/fpubh.2021.824898, Publisher: Frontiers Media SA, E ISSN: 2296-2565, Jan 2022. (Impact Factor: 3.709, WOS Indexed Journal)</p> <p>Abstract: This paper proposes a hybrid framework using Deep Learning named “ImmuneNet” to recognize the latest intrusion attacks and defend healthcare data. The proposed framework uses multiple feature engineering processes, oversampling methods to improve class balance, and hyper-parameter optimization techniques to achieve high accuracy and performance. The architecture contains <1 million parameters, making it lightweight, fast, and IoT-friendly, suitable for deploying the IDS on medical devices and healthcare systems. The performance of ImmuneNet was benchmarked against several other machine learning algorithms on the Canadian Institute for Cybersecurity's Intrusion Detection System 2017, 2018, and Bell DNS 2021 datasets which contain extensive real-time and latest cyber attack data. Out of all the experiments, ImmuneNet performed the best on the CIC Bell DNS 2021 dataset with about 99.19% accuracy, 99.22% precision, 99.19% recall, and 99.2% ROC-AUC scores, which are comparatively better and up-to-date than other existing approaches in classifying between requests that are normal, intrusion, and other cyber attacks.</p>



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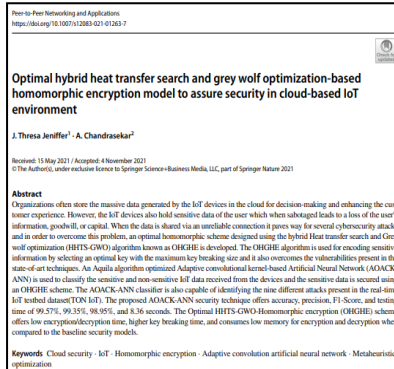
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2



**J. Thresa Jeniffer
published paper in WOS
Indexed Journal**

(Staff Journal Publication)

J. Thresa Jeniffer and A. Chandrasekar, “Optimal Hybrid Heat Transfer Search and Grey Wolf Optimization-based Homomorphic Encryption Model to Assure Security in Cloud-based IoT Environment”, Peer-to-Peer Networking and Applications, doi:https://doi.org/10.1007/s12083-021-01263-7, Vol. 15, pp. 703–723, (Publisher: Springer, E ISSN: 1936-6450, Print ISSN: 1936-6442), Jan 2022. **(WOS Indexed Journal, Impact Factor: 3.307)**

Abstract: When the data is shared via an unreliable connection it paves way for several cyber security attacks and in order to overcome this problem, an optimal homomorphic scheme designed using the hybrid Heat transfer search and Grey wolf optimization (HHTS-GWO) algorithm known as OHGHE is developed. The OHGHE algorithm is used for encoding sensitive information by selecting an optimal key with the maximum key breaking size and it also overcomes the vulnerabilities present in the state-of-art techniques. An Aquila algorithm optimized Adaptive convolutional kernel-based Artificial Neural Network (AOACK-ANN) is used to classify the sensitive and non-sensitive IoT data received from the devices and the sensitive data is secured using an OHGHE scheme. The proposed AOACK-ANN security technique offers accuracy, precision, F1-Score, and testing time of 99.57%, 99.35%, 98.95%, and 8.36 seconds. The Optimal HHTS- GWO-Homomorphic encryption (OHGHE) scheme offers low encryption/decryption time, higher key breaking time, and consumes low memory for encryption and decryption when compared to the baseline



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3



Co-author:
 Dr. [V Muthulakshmi](#) published paper in IEEE Conference (Scopus

(Staff Conference Publication)

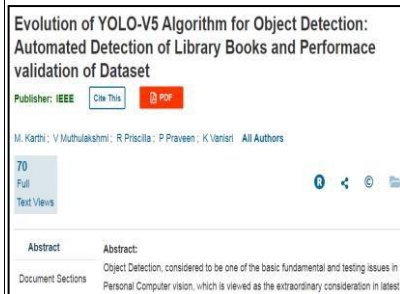
[P. Ravichandran](#), [C. Saravanakumar](#), [J. Dafni Rose](#), [M. Vijayakumar](#), [V. Muthulakshmi](#), “Efficient Multilevel Federated Compressed Reinforcement Learning of Smart Homes Using Deep Learning Methods”, [2021 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems \(ICSES\)](#), DOI: [10.1109/ICSES52305.2021.9633785](#), Publisher: IEEE ISBN:978-1- 6654-3521-5, Print ISBN:978-1-6654-3522-2, pp. 1-11, Dec 2021. (Scopus Indexed)
 Abstract: Internet of Things connects all real time devices using the wireless nature for collecting, sharing and processing of data. These data are analyzed using machine learning models based on the structure of data. Reinforcement learning is a type of learning method which performs with past experience of data. Traditional algorithms use data with a specific environment with a learning process for prediction. Federated Learning (FL) is achieved through the integration of the various learning models for achieving accuracy. The proposed learning algorithm uses multilevel FL over the smart homes with two house data for analysis of the user behavior. Various kinds of sensors are used for analyzing the behavior, namely local and global. The data is shared with agents and servers with the use of communication networks. It suffers the bandwidth issues because of heterogeneity in the data, so this is overcome by using FL compression method. Multilevel FL compression method achieves reduced latency with efficient interaction. The proposed technique achieves better accuracy when compared to existing RL method with maximum performance and reliability.



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4



Co-author:

Dr. [V. Muthulakshmi](#) published paper in IEEE Conference (Scopus

[M. Karthi](#), [V. Muthulakshmi](#), [R. Priscilla](#), [P. Praveen](#), [K. Vanisri](#), “Evolution of YOLO-V5 Algorithm for Object Detection: Automated Detection of Library Books and Performance Validation of Dataset”, [2021 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems \(ICSES\)](#), DOI: [10.1109/ICSES52305.2021.9633834](#), Publisher: IEEE, E ISBN:978-1-6654-3521- 5, Dec 2021. (Scopus Indexed)
 Abstract: Object Detection, considered to be one of the basic fundamental and testing issues in Personal Computer vision, which is viewed as the extraordinary consideration in latest investigation. For the past 2 decades, it is been considered as an encapsulation of computer vision history. The objective of this paper is to look over the YOLOV5 and to evaluate the performance of YOLOV5 by various benchmarks and customized dataset. Motive of the study is to compare the performance of YOLOV5 by having the different data size, calculation speed and efficiency of detecting the objects, which are based on the dataset type. This work investigates and looks at some of measurements for evaluating the YOLOV5 algorithm of detecting objects. Also audits the most utilized measurements for object detection and their disparities, applications, and primary ideas. It additionally proposes a standard execution that can be utilized as a benchmark among various datasets with least variation.



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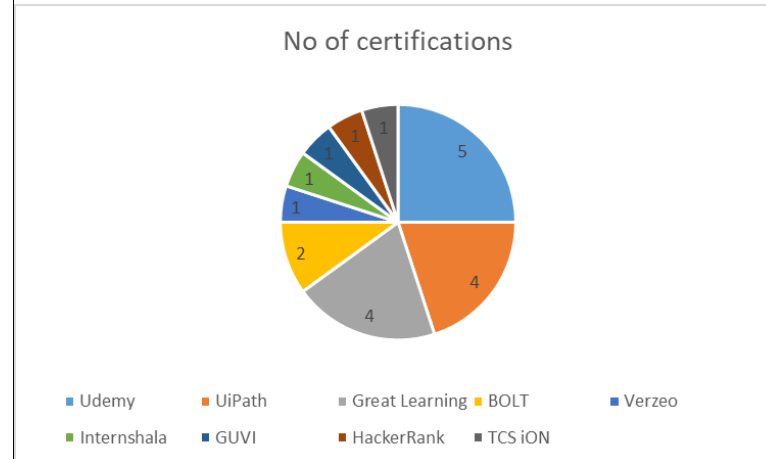
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Sample Certificate

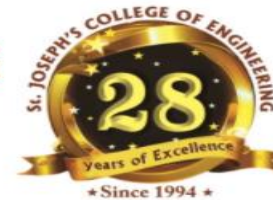
Students Online Certification

20 online certifications have been obtained by the students of IT department from some of the reputed online course platforms.





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DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	Awards/Prize won by students	1. Ms. A. Siromita , I year ADS, has won three gold medals in Tamilnadu State Karate and Kobudo Tournament, held at Captain Mahal, Tondiarpet, Chennai on 09.01.2022