



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.



DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p style="text-align: center;">PUBLICATIONS(ONLY PUBLISHED) DETAILS</p> <div style="text-align: center;">  <p>Bioresource Technology Volume 335, September 2021, 125260</p>  </div> <p>Fractionation, characterization, and economic evaluation of alkali lignin from saw industry waste</p> <p>Murugesan Nivedha ^a, Madhusudhanan Manisha ^a, Margavelu Gopinath ^a, Gurunathan Baskar ^b, Krishnamurthi Tamilarasan ^c  </p> <p>Show more </p> <p>+ Add to Mendeley  Share  Cite</p> <p>https://doi.org/10.1016/j.biortech.2021.125260 Get rights and content</p>	<p>Murugesan Nivedhaa, Madhusudhanan Manisha, Margavelu Gopinatha, Gurunathan Baskar, Krishnamurthi Tamilarasan published paper on the title Fractionation, characterization, and economic evaluation of alkali lignin from saw industry waste in the Journal Bioresource Technology, 335 (2021) 125260. (IF-7.539).</p>

STAFF CONFERENCE PRESENTATION

2.



Dr. G. Baskar copy of certificate



Ms. Geerthika copy of certificate

- **Dr. G. Baskar** has presented paper entitled Effect of ionic liquid co-catalyst on biodiesel production from waste cooking oil in the International conference on Advances in Science and Technology organized by the Institute of Innovations, Tiruvannamalai and awarded as the best paper.
- **Ms. Geerthika** has participated in one week AICTE – ISTE sponsored induction/ refresher/ Faculty Development Program on CSI (Cognitive Strategy Instructions) as Teaching Tool for 21st Century – Phase II organized by the Faculty of Management Studies, Karpagam College of Engineering, Coimbatore between 6th to 12th April, 2021.



DEPARTMENT OF CHEMICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Corresponding remarks
1	STTP	<ul style="list-style-type: none"> Ms Sivaranjane R Participated in a two day STTP organized by SSN College of Engineering titled ““Molecular Simulation: From Chemical Structure to Green Separation Process” from April 22-23.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	Time Management during COVID	<p>Date : 19.04.2021 Venue : Online mode Nature of Event : Webinar Participants : Students Time : 3.00 PM to 4.00 PM Resource Person : Dhivya Nandhini Renewable Energy Systems Halmstad University</p> <p>Objective: This programme aims to gauge the impact of students’ time management on students’ learning outcome during distance learning due to Covid-19 pandemic.</p> <p>Outcome: The students are actively participated in the program and they understand how effectively spend the time during this pandemic</p>
2	Value Added Course – Realizing Virtualization and Cloud	<p>Date : 29.04.2021 and 30.04.2021 Venue : Online mode</p>




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 CHE, Chennai-600 096.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes
Value Added Course
on
REALIZING VIRTUALIZATION AND CLOUD
by

29.04.2021 – 30.04.2021
 @ 4 - 5 pm

Preethika P
 Senior Engineer
 Tata Elxsi, Chennai
<https://meet.google.com/leme-ghlm-gqr>



Chief Patron
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.
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Patrons

<p>Mrs. S. Jennie Piyas M.Com. Managing Director, St. Joseph's Group of Institutions</p> <p>Dr. Yashu Bhadrachari Das M.A., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering</p>	<p>Mr. B. Shashi Sekar M.Sc. Member, St. Joseph's Group of Institutions</p> <p>Dr. B. Parothavarathnam M.A., M.B.A., Ph.D. Dean, Institute of Engineering</p>
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<p>Deans</p> <p>Dr. A. Chandrasekar, HOD/Staff Affairs Dr. G. Manikavelanthy, HOD/Student Affairs Dr. S. Pugalatha, HOD/Lab Affairs</p>	<p>Deputies</p> <p>Dr. B. Uma Maheswari, Asst. Professor Dr. R. Manikandan, Asst. Professor Dr. T. Renu Selvam, Asst. Professor Mr. K. Jaqartha, Asst. Professor Mr. K. Balaji, Asst. Professor</p>
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For Admissions:
 Visit www.stjosephs.ac.in / www.stjosephscollegeofengineering.ac.in
 Contact: 9940104881 / 9940104882

Nature of event : Value Added Course
 Topic : Realizing Virtualization and Cloud
 No. of Days : 2
 Resource Person : Ms. P. Preethika
 Senior Engineer,
 Tata Elxsi, Chennai


Objective:

- To understand the fundamentals of Virtualization in cloud
- To know the types of virtualization
- To understand the best practices for server virtualization

Outcome:

- Understand the fundamentals of virtualization.
- Apply server virtualization

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.No	Events	Remarks	
1	<p align="center">FACULTY DEVELOPMENT PROGRAM</p> 	Dr. M Ramesh Babu	Attended AICTE-ISTE sponsored Six Days Induction/Refresher Programme on Recent Trends in EV Technologies, organised by Department of EEE, EASWARI ENGINEERING COLLEGE, 20-4-2021 to 26-4-2021
		Mr. H Umesh Prabhu	AICTE-ISTE sponsored Six Days Induction/Refresher Programme on Recent Trends in EV Technologies, organised by Department of EEE, EASWARI ENGINEERING COLLEGE PHASE-III : 20-4-2021 to 26-4-2021
		Mr.T.Sriananda Ganesh	<ol style="list-style-type: none"> 1. Attended one- week AICTE- ISTE Sponsored Induction/ Refresher/ Faculty Development Programme Six Days Induction/Refresher Programme on “CSI (Cognitive Strategy Instructions) as Teaching Tool for 21st Century - PHASE II”, organized by Faculty of Management Studies, Karpagam College of Engineering, Coimbatore held from 06/04/2021 to 12/04/2021. 2. Attended one- week Online AICTE Sponsored- STTP 3 on “Design and Technology aspects of Off-grid & Grid connected Rooftop Solar and Bio-Energy (Operation & Maintenance) ”,

			organized by St. PETER'S ENGINEERING COLLEGE, Hyderabad held from 15/04/2021 to 21/04/2021.
		Mr.R.Sreekanth	Participated in AICTE sponsored six days online short term training program (phase II) on electric mobility: development, integration and design challenges organized by JCE from 19 th april to 24 th april 2021



Our Department professor and head Dr.Jayarama Pradeep got AICTE's Lilavati Award 2020 in the sub-theme "self defence" by presenting a unique intervention carried out under the overall theme "women empowerment" award presented on 11th april 2021.

3



PIC: event poster

Our students on behalf of G9 St. Joseph's Ensav Club conducted awareness program on "Awareness Program to Save Unit Per Day" exclusively for II and III year students on 13th April 2021. The students presented different energy efficient methods to save energy and shown videos on energy savings which benefit the self, nation and future.

4

Student Achievement for the month April 2021

Student name	Year	Technical Competition
AARTHI.N.T	III	Won Second prize in "THINKROBO" Conducted by St. Joseph's College of Engineering "on 09/04/2021
AAKANKSHA SINGH	III	Won Second prize in "THINKROBO" Conducted by St. Joseph's College of Engineering "on 09/04/2021

		MARIA ARUL JEFFREY P	III	Won prize in "Paper Presentation" conducted by "PGP College of Engineering and Technology" on "10/04/2021"
		KRISHAA P R	III	Won prize in "Paper Presentation" conducted by "PGP College of Engineering and Technology" on "10/04/2021"
		MADHUPREETH A S	III	Won prize in "Paper Presentation" conducted by "PGP College of Engineering and Technology" on "10/04/2021"
		KARIN RAMANI A	III	Won prize in "Paper Presentation" conducted by "PGP College of Engineering and Technology" on "10/04/2021"
5	Student Activity for the month April 2021	Students Name	Year	Webinar
		HARISHKUMAR.K	II	Completed 5 days online webinar titled " Machine Learning Master Class " Conducted by " Pantech Prolabs India Pvt Ltd " from (19-04-2021 to 23-04-2021)
		DHIYANESH P	II	Completed 5 days online webinar titled " Machine Learning Master Class " Conducted by " Pantech Prolabs India Pvt Ltd " from (19-04-2021 to 23-04-2021)
		Alfred Einstein G	II	Completed 7days online bootcamp titled"WEB-DEVELOPMENT USING HTML5 AND CSS" conducted by " SHAPE AI" From(21-04-2021 to 27-04-2021)

		Aakanksha Singh	III	1) Attended a webinar on "Awareness Program To Save 1 Unit Per Day " conducted by Ensav Club of St. Joseph's College of Engineering. 2) Attended a Awareness Program on "Importance of Safety and Health at Work" conducted by St. Joseph's College Of Engineering
		DIVYA V	III	Webinar on Keil MDK for Arm microcontroller-Arm University Program India on 21st April 2021 and 29th April 2021
		Aarthi.N.T	III	Attended a Awareness Program on "Importance of Safety and Health at Work" conducted by ST. JOSEPH'S COLLEGE OF ENGINEERING
		Alrich Roshan S J	IV	Attended "Advanced Excel Webinar" By Jatan Shah on 14th April Attended "Export Import Webinar " by Global Exim Institute on 2nd April
		Students Name	Year	Online Course
		Alrich Roshan S J	IV	Completed online Course on "Advanced Affiliate Marketing" Microsoft Azure Cloud Services
		Student Name	Year	Workshop
		RAGHU D	II	Participated in "Illustration Of Electric Vehicles And MATLAB Modeling" at WAVES2021 conducted by College of Engineering, Guindy on March 27&28,2021
		JOSHWA T	II	Participated in "Illustration Of Electric Vehicles And MATLAB Modeling" at

				WAVES2021 conducted by College of Engineering, Guindy on March 27&28,2022		
		Arvind.G.K	III	Organized as content team lead in "ERUDITE'21 " - International webinar series , organized three technical events under IAS Society.		
6	INTERNSHIP					
		Student Name	Year	From Date - to date	Company Name	Pay Package
		RAJ IMMANUEL J	II	7-4-2021 TO 25-4-2021	EMCOG SOLUTIONS	1250
		LOGA VIGNESH. S	II	7-04-2021 to 25-04-2021	EMCOG SOLUTIONS	1250
		NAVEEN	II	7-04-2021 TO 25-04-2021	EMCOG SOLUTIONS	1250
		RAGHU D	II	7-04-2021 To 25-04-2021	EMCOG SOLUTIONS	1250
		JOSHWA T	II	7-04-2021 To 25-04-2021	EMCOG SOLUTIONS	1250
		AMARNATH J C	II	7-04-2021 To 25-04-2021	EMCOG SOLUTIONS	1250

7

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NATIONAL INSTITUTE RANKING FRAMEWORK

Cambridge
UNIVERSITY COLLEGE

**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

**Robotics
CLUB**
presents

thinkROBO
Basic robotics quiz competition
9th April, 2021
Round 1 BrainStorm 4:00 p.m. IST.
Round 2 faceOff 6:00 p.m. IST.
registration link: <https://forms.gle/TTEPSIBFDSLm9gU3A>

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Professor & Head - Staff Affairs

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

Club Coordinator
Dr.P.Anbarasan
Assistant Professor / EEE

Student coordinators
Abishek Ayyappan Gideon Santhosh Alexander Harini P Abishlal NS Abinayaasri T
for any queries contact: roboticsclub@eesjce@gmail.com

PIC: event poster

Our students on behalf of Robotics Club conducted Basic Robotics Quiz competition on "ThinkRobo" exclusively for Electrical and Electronics Engineering Students on 9th April 2021. The winners are as follows,

Place	Name of the Students
Ist Place	Mohammed Aashik, II EEE B
IIInd Place	Aarthi.N.T, III EEE A
IIIrd Place	Aakanksha Singh, III EEE A

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CHOPPERS CLUB

MIND'S EYE
On 5th April, 2021
ROUND 1: WHO AM I
ROUND 2: ENIGMA

REGISTRATION LINK: <https://forms.gle/PLDu2Nm4CG2ts7ch7>

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

Club Coordinator
Mr. R. Elanthirayan
Assistant Professor / EEE

STUDENT COORDINATORS
MARIA ARUL JEFFREY P RAKSHA M CR PAVITHRA T M MOHAN KUMAR N PRIYANKA J

PIC: event poster

Our students on behalf of Choppers Club conducted fun filled and brain teasing competition on "Mind Eye" exclusively for Electrical and Electronics Engineering Students on 5th April 2021. The winners are as follows,

Place	Name of the Students
Ist Place	Abinaya, II EEE A
IInd Place	Navarasu.M, III EEE B
IIIrd Place	Denora.S, II EEE A

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AND ELECTRONICS ENGINEERS

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NATIONAL INSTITUTE
RANKING FRAMEWORK

Cambridge
English Qualifications

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ELECTRICAL CLUB

presents

ELECTROWAR 2021
7th April 2021

ROUND 1: CONNEXIONS
ROUND 2: JUST A MINUTE

Registration Link : tinyurl.com/electrowar2021
Contact Email : electricalclub.eee.sjce@gmail.com

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

Club Coordinator
Mr. M. Chilambarasan
Assistant Professor / EEE

Student Coordinators
Refayee Farith K. Reshma K. Suruthi Kaviya S. Sharan Manivannan Sagaya Antony Ishwarya

PIC: event poster

Our students on behalf of Electrical Club conducted fun and knowledge gaining competition on "Electrowar 2021" exclusively for Electrical and Electronics Engineering Students on 7th April 2021. The winners are as follows,

Place	Name of the Students
Ist Place	Herena Joshika, III EEE B
IInd Place	Denora.S, II EEE A
IIIrd Place	Iswarya.B, III EEE B



Our department staff member Dr.M.Rameshbabu, Mr.C.Venkateshkumar, Dr.N.chidambaraj, Mr.H.Prasad, Mr.S.Nishant, Mr.K.Aravindhan published Australian Patent titled, "FUZZY LOGIC BASED GRID CONNECTED HYBRID ENERGY SYSTEM WITH MODIFIED LUO CONVERTER" dated 21st April 2021. (Patent number: 2021101279)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CONDUCTS

GET SET TO TANCET - A Motivational Talk
by



2021
April
24



Mr. S. LOGARAJAN B.E,EEE
 An Alumnus of St. JOSEPH'S COLLEGE OF ENGINEERING (2014 - 2018)
 TOPPER IN TANCET-2019, SCORE: 84.453
 OVERALL RANK: 5 DEPARTMENT RANK: 1



4 PM TO 5 PM

Event Link:
<https://tinyurl.com/4cbe5uj6>



*Exclusively For
II & III Year
Students of EEE Dept*

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PIC: paper presentation certificate

Our department organized ROAD TO SUCCESS- A CAREER WEBINAR SERIES FOR THE STUDENTS TITLE "Get set to TANCET" by Mr. S.Logarajan B.E (An alumnus of St.Joseph's College of Engineering, Department of Electrical and Electronics Engineering 2018 passout) DATE : 24.04.2021 (4 PM – 5PM)

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NBA ACCREDITED SINCE 2003
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14TH RANK IN ENGINEERING STREAM
COUNSELLING CODE: 1517

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organizes

MOTIVATIONAL TALK
Explore the Core - Unearthing Potentialities in the field of Electric Potential

APRIL 3, 2021 | 10 a.m.

RESOURCE PERSON
Raghul D
2015-2019 batch Alumnus
Associate Software Engineer
Robert Bosch Engineering and
Business Solutions

Link 1 <https://meet.google.com/fgq-bdlae-yqj>
Link 2 <https://meet.google.com/bmv-epqi-kco>

***** ❖ *****

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Dean, St. Joseph's College of Engineering.

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Professor & Head - Staff Office
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Professor & Head - Lab Affairs

Placement coordinators
Dr. N. Chidambararaj Associate Professor
Mr. M. Chilambarasan Professor
Mr. H. Umesh Prabhu Associate Professor
Mr. K. Aravindhan Assistant Professor
Mr. H. Prasad Assistant Professor

PIC: event poster

Our department organized motivational talk for the students title "explore the core unearthing in the field of electrical potential" by Mr.D.Raghul (An alumnus of St.Joseph's College of Engineering, Department of Electrical and Electronics Engineering 2019 passout) DATE : 03.04.2021 (10am)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
 in association with





Electriguess!

CHECK YOUR KNOWLEDGE BY GUESSING THESE TECHNICAL PERSONALITIES
25.04.2021
 Time : 6 PM - 7 PM IST
 E-CERTIFICATES WILL BE PROVIDED TO ALL ACTIVE PARTICIPANTS

-PUZZLE EVENT-
 SCAN TO REGISTER

EVENT DESCRIPTION:
 GUESS THE FAMOUS TECHNICAL PERSONALITIES WITH PICTORIAL HINTS




<https://forms.gle/YpPRKjz1ErLJMuu7>

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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

SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs	Convenor Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs	SBC Counsellor Mr. R. Sreekanth M.E., (Ph.D.) Assistant Professor
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Student Coordinators
 Arvind GK | Denora S | Krishna PR | Aravinthan R | Hema Apsara A

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

PIC: event poster

Our IEEE IAS conducted a puzzle event "Electriguess" on 25 April 2021. About 20 participated in this event. Winners were awarded with merit certificates. Participants were given participation certificates on successful completion of the event. This event indeed helped the participants to recollect the famous technical personalities.


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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
in association with




 presents

Expositech!

A PLATFORM TO EXPOSE YOUR PROJECT IDEAS
24.04.21 - 28.04.21

MINI PROJECT TOPIC :
 ENVIRONMENTAL ENGINEERING
 OR
 BIO-MEDICAL ENGINEERING



 E-CERTIFICATES WILL BE
 PROVIDED TO ALL ACTIVE PARTICIPANTS



 "PROJECT EVENT"
 SCAN TO REGISTER

<https://forms.gle/hFhwbMaS3pgrC6N47>

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SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - SCIT Affairs	Convenor Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs	SBC Counsellor Mr. R. Sreekanth M.E., (Ph.D.) Assistant Professor	
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Student Coordinators
 Arvind GK | Denora S | Krishna PR | Aravinthan R | Hema Apsara A



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PIC: event poster

Our IEEE IAS conducted a project event “Expositech” from 24 April 2021 to 28 April 2021. About 10 participated in this event. Participants were given participation certificates on successful completion of the event. This event indeed helped the participants to think out of the box and come out with new ideas for the existing problems.



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DEPARTMENT OF
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 St. Joseph's College of Engineering
 Student's Bodies Chapter

Sonnetech!
 USE RHYME AND HYMN TO TELL US ABOUT TECHNICAL TIMES
24.04.21 - 28.04.21

TOPIC :
 ENGINEER
 OR
 HOWTECHNOLOGY CHANGED THE WORLD


 E-CERTIFICATES WILL BE
 PROVIDED TO ALL ACTIVE PARTICIPANTS

-POETRY EVENT-
 SCAN TO REGISTER


<https://forms.gle/HtuMJMuF2vJ2FJD27>

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 Chairman, St. Joseph's Group of Institutions

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<p>Mrs. S. Jessie Priya M.Com. Managing Director, St. Joseph's Group of Institutions</p> <p>Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering</p> <p>SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head, Staff Affairs</p>	<p>Mr. B. Shashi Sekar M.Sc. Director, St. Joseph's Group of Institutions</p> <p>Dr. B. Parvathavarthini M.Sc., M.B.A., M.E., Ph.D. Dean (Research), St. Joseph's College of Engineering</p> <p>Convenor Dr. T.V. Narmadha M.E., Ph.D. Professor & Head, Lab Affairs</p> <p>SBC Counsellor Mr. R. Sreekanth M.E., (Ph.D.) Assistant Professor</p>
--	---

Student Coordinators
 Arvind GK | Denora S | Krishnaa PR | Aravinthan R | Hema Apsara A

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

PIC: event poster

Our IEEE IAS conducted a poetry event "Sonnetech" from 24 April 2021 to 28 April 2021. About 10 participated in this event. Winners were awarded with merit certificates. Participants were given participation certificates on successful completion of the event. This event indeed helped the participants to bring out their creativity and writing skills.

16

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
in association with

IEEE Robotics & Automation Society presents

ROBUSTA 2021
JOIN THE ROBOLUTION

BRIDGE-IT

30th April 2021
4:00PM

Register here:
<http://bit.ly/BRIDGE-IT>
For contact:
ieeeras2021@gmail.com

ROUND 1: Basic Robotics
ROUND 2: Personality and logo identification

E-certificates will be provided to all participants.
Top 3 winners will be provided with merit certificate.

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Professor & Head, Lab Affairs

SBC Counsellor
Mr. R. Sreekanth M.E., Ph.D.
Assistant Professor

Student Coordinators
Christel Peiris R | Sakthi Priya C | Abina S | Elancheshyan RJ

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

PIC: event poster

Our IEEE SJCE SBC organized a Connection game contest under IEEE Robotics and Automation Society for college students to build their practical knowledge in the field of Robotics. The event was conducted on google form. There were two rounds and about 90 students participated in it and got benefited. Merit certificates are distributed to the winners and E-certificates are provided for all the participants.

You Clavoc, HV Do It

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
In association with

IEEE Robotics & Automation Society | IEEE | St. Joseph's College of Engineering, Srirangapatnam

ROBUSTA 2021
JOIN THE ROBOLUTION

INFO HUB

28th April 2021
4.00 PM

Register here:
<http://bit.ly/INFORM-HUB>
For contact:
ieeras2023@gmail.com

ROUND 1: Topic - Locomotion of robots
ROUND 2: Topic - Space mouse
ROUND 3: Topic - Artificial intelligence

E-certificates will be provided to all participants.
Top 3 winners will be provided with merit certificate.

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<p>Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D., Principal, St. Joseph's College of Engineering</p>	<p>Dr. Jayarama Pradeep M.E., Ph.D., Professor & Head, Staff Affairs</p>	<p>SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D., Professor & Head, Staff Affairs</p>
<p>Convenor Dr. T.V. Narmadha M.E., Ph.D., Professor & Head, Lab Affairs</p>	<p>SBC Counsellor Mr. R. Sreekanth M.E., (Ph.D.), Assistant Professor</p>	<p>Student Coordinators Ananya PK Abinaya M Abinaya S Thavalathini A Sunitha K</p>

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 92401 04881 / +91 92401 04882.

PIC: event poster

Our IEEE SJCE SBC organized an Info-hub contest under IEEE Robotics and Automation Society for college students, about 30 participants participated in this event. This event aimed to build student's practical knowledge in the field of Robotics. The event was an interactive session which was held on google meet, where we displayed slides on robotics and questions were asked based on the presentation. E-certificates are distributed to all the participants and the winners are provided with a merit certificate.

30th Classic 150th DE FE

St. JOSEPH'S COLLEGE OF ENGINEERING
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27th ANNIVERSARY

AP
AMMS

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
In association with

IEEE Robotics & Automation Society

IEEE
St. Joseph's Centre
of Excellence
Smart Systems Centre

presents

ROBUSTA 2021
JOIN THE ROBOLUTION

29th April 2021
4:00 pm

**WORD
PLAY**

ROUND 1 : 10 Words
ROUND 2 : 7 Words
ROUND 3 : 5 Words

Register here:
<http://bit.ly/WORD-PLAY>
For contact:
ieeeras2023@gmail.com

E-certificates will be provided to all participants.
Top 3 winners will be provided with merit certificate.

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Professor & Head, Staff Affairs

Convenor
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Professor & Head, L&M Affairs

SBC Counsellor
Mr. R. Srekanth M.E., (Ph.D.)
Assistant Professor

Student Coordinators
Viknesh GS | Abhishek T | Abina S | Abishal NS | Chris Austin A

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 99401 01881 / +91 99401 01882

PIC: event poster

Our IEEE SJCE SBC organized a Word Play contest under IEEE Robotics and Automation Society for college students to build their practical knowledge in the field of Robotics, quiz was conducted online through google forms on 29th April, 2021 . About 50 students participated in it and got benefited. The event was useful to the participants in knowing about the new and upcoming technologies in the fast growing modern era. Merit certificates are distributed to the winners and e-certificate was provided to all the participants.

30th Classic, 115th Do It

St. JOSEPH'S COLLEGE OF ENGINEERING
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27th ANNIVERSARY

DEPARTMENT OF
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in association with

IEEE

presents

Submit your works to
wieieeesjce@gmail.com

E-Certificates will
be provided to
all participants.

Upload your posters
by 27.04.2021

Poststellar
Topic:
Safety & Health

Register @ <http://bit.ly/poststellar>

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Professor & Head - Lib Affairs

SBC Counsellor
Mr. R. Sreekanth M.E., (Ph.D.)
Assistant Professor

Student Coordinators
Akshaya S | Abinayaa Sri T | Divya V | Jesse S | Maria Shirley John

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PIC: event poster


Our IEEE SJCE SBC in association with Women in Engineering Affinity Group conducted an interesting event POSTELLAR a poster making competition in the month of April on behalf of World's Day for Safety and Health at Work. "SAFETY AND HEALTH" was the topic given to the participants. Around 20 students enthusiastically registered and participated in the event. A participation certificate was given to all the participants. A merit certificate was given to the winner of the event.

The Classic, The Do It

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in association with

 **IEEE** St. Joseph's College of Engineering
St. Joseph's Group of Institutions

presents

QUIZZARDS



Quiz Link
<https://bit.ly/quizzards>

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---	---

Student Coordinators
Akshaya S | Abinayaa Sri T | Divya V | Jesse S | Maria Shirley John

*For Admissions: visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or contact: +91 992401 04881 / +91 992401 04882.

PIC: event poster

Our IEEE SJCE SBC in association with Women in Engineering Affinity Group conducted an interesting event QUIZZARDS on 26th April. Around 50 students enthusiastically participated in the event. A participation certificate was given to all the participants and a merit certificate was given to the participants who scored 80% and above.

20th CEIAC, 115th Dr. J.
St. JOSEPH'S COLLEGE OF ENGINEERING
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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
 in association with
IEEE
 presents
TALKFEST'21

16.04.2021
 5.00-6.00p.m.

TOPIC:
 Has technology helped
 connect people or
 isolate them?

Register @
<https://bit.ly/talkfest21>

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

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Mr. R. Srekanth M.E., (Ph.D.)
 Assistant Professor

Student Coordinators
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PIC: event poster

Our IEEE SJCE SB – WIE conducted a event “TALKFEST’21” which was conducted on 16th April on behalf of World Voice Day. The topic was given according to the current situation in the society. The number of participants who registered were 20 out of them the best 3 participants was selected and the respective places was awarded.




The Classic, 152-156 II
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**DEPARTMENT OF
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In association with




presents
HELIOS
 Cipher the word play and
 expertise in technical words
 Register here: <https://bit.ly/2RKboER>
DATE: 29-04-2021
Time : 6 PM
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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Dr. Vaidil Seshagiri Rao M.S., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering	Dr. B. Parvathavarthini M.S., M.B.A., M.E., Ph.D. Dean (Research), St. Joseph's College of Engineering
SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs	Convener Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs
SBC Counsellor Mr. R. Srekanth M.C., Ph.D. Assistant Professor	

Student Coordinators
 [Madhu Preetha S | Elancheshiyam R J | Karin Ramani A | Mani Sha N | Herena Joshika A S]

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

PIC: event poster

Our IEEE Power Electronics Society of St Joseph's College of Engineering ,conducted a crossword game 'HELIOS' related to Electrical and Electronics Engineering . 10 people submitted their crosswords and the best three were given winners certificate and the others were provided with participation certificate.


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**DEPARTMENT OF
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In association with





presents

TECHNOZARRE

A quiz to test your technical knowledge
 Register here:
<https://bit.ly/3n4MuLF>

**EVENT DATE : 25-04-2021
 & TIME: 5 PM**
E-certificates will be provided to all the participants

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 Chairman, St. Joseph's Group of Institutions

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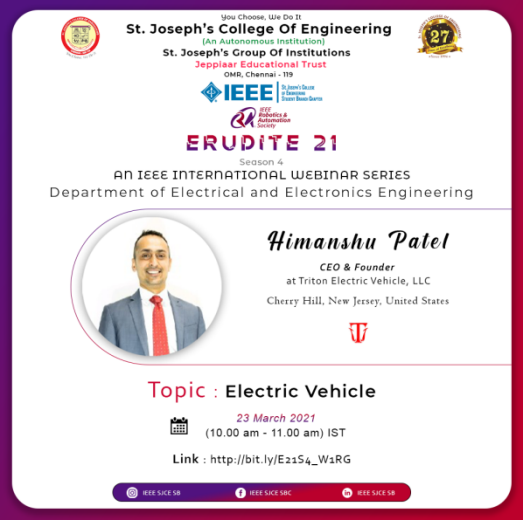
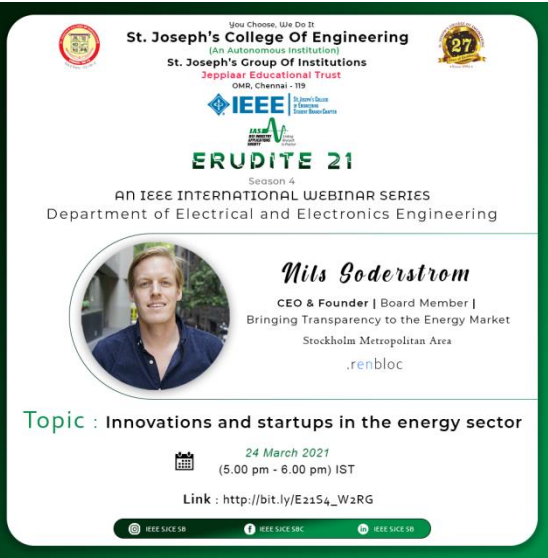
SBC Advisor Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs	Convenor Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs	SBC Counsellor Mr. R. Sreekanth M.E., (Ph.D.) Assistant Professor
--	--	--

Student Coordinators
 [Madhu Preetha S | Elanchezhyan R J | Karin Ramani A | Mani Sha N | Herena Joshika A S]

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PIC: event poster

Our The IEEE Power Electronics Society of St Joseph's College of Engineering , conducted a quiz event 'TECHNOZARRE' related to circuit theory . 25 people submitted their answers through google forms and best three were given winners certificate and the others were provided with participation certificate.

<p>24</p>	 <p>PIC: event poster</p>	<p>Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The First session was presented by Mr. Himanshu Patel who is the CEO & Founder of Triton Vehicle, LLC. In this meeting, the speaker shared about the various e-vehicle concepts and shared the models of e-vehicles manufactured in his company.</p>
<p>25</p>		<p>Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The second session was presented by Mr. Nils Soderstorm who is the CEO & Founder of .renbloc. The welcome speech was given by Miss Krisha then the session was handed over to the speaker. In this meeting, the speaker shared about the startup's thoughts on the energy sector and the different advancements that are possible in the energy sector.</p>


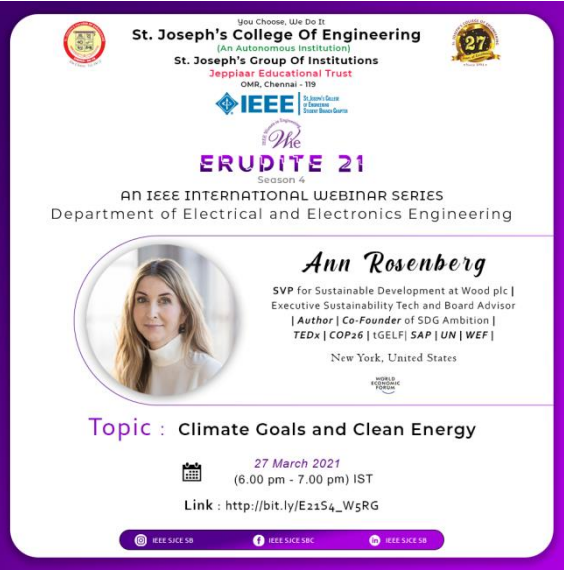
PIC: event poster

26

The poster is for an IEEE webinar. At the top, it says 'You Choose, Use Do It' and 'St. Joseph's College Of Engineering (An Autonomous Institution) St. Joseph's Group Of Institutions Jeppiaar Educational Trust GMR, Chennai - 119'. It features logos for IEEE, PELS, and INSTANT ON. The main title is 'ERUDITE 21 Season 4 AN IEEE INTERNATIONAL WEBINAR SERIES Department of Electrical and Electronics Engineering'. A circular portrait of A.J. Perkins is shown with his name 'A.J. Perkins' in a script font. Below the portrait, it lists his roles: 'Co-Founder | Public Speaker | Author | President at INSTANT ON' and his location: 'Orange County, California, United States'. The topic is 'How Microgrids Will Change the Way We Make, Deliver and Use Energy'. The date and time are '25 March 2021 (8.30 pm - 9.30 pm) IST'. A link is provided: 'http://bit.ly/E21S4_W3RG'. At the bottom, there are social media icons for Instagram, Facebook, and YouTube, all labeled 'IEEE SJCE SB'.

PIC: event poster

Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The third session was presented by Mr.A.J.Perkins who is co-founder, public speaker, author, President in INSTANT ON. The welcome speech was given by Miss Priyanka J then the session was handed over to the speaker. In this session, the speaker shared ideas about what Micrograms uses.

<p>27</p>	 <p style="text-align: center;">PIC: event poster</p>	<p>Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The fourth session was presented by Miss Nita Patel who is the Sr. Engineering Director at L3 Harris Technology. In this session, the speaker shared the qualities a leader should possess and the 6 Mantras of Leadership. This session motivated the students and made them get a clear view to become a successful leader.</p>
<p>28</p>		<p>Our IEEE SB in association with St. Joseph's College of Engineering on 27 March 2021. The speaker for this event was Ms. Ann Rosenberg. The speaker started the session with an inspiring quote and proceeded by explaining to the students about the current status of the energy crisis also about the developing technology in the field of sustainability.</p>

PIC: event poster

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The poster is for an event titled "ERUDITE 21 Season 4". It is an IEEE International Webinar Series organized by the Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering. The speaker is Les Mood, who is the Host and Advisor for the "HOT Energy News" show and the CEO of the "Energy Independence Show". The topic of the webinar is "Energy trends of 2020 and their impact on India". The event is scheduled for 28 March 2021, from 7:00 pm to 8:00 pm IST. A link to the webinar is provided as http://bit.ly/E21S4_W6RG. The poster includes logos for St. Joseph's College of Engineering, IEEE, and the IEEE SB (Student Branch).

PIC: event poster


Our IEEE SJCE SB conducted a Flagship event 'erudite Talk - season 4' was organized by Mr. Les Mood, Advisor of Sinewatts. With the warm welcome, the speaker started explaining the topic of energy trends of 2019. He explained the goals and promises of the clean energy save 2019. Also, he explained about the energy trends in India.

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IEEE
St. Joseph's Group Of Institutions
Jeppiaar Educational Trust


ERUDITE 21
Season 4
AN IEEE INTERNATIONAL WEBINAR SERIES
Department of Electrical and Electronics Engineering

 **Thomas Coughlin**
President at Coughlin Associates
IEEE Fellow, Past-President of IEEE-USA,
Past Director of IEEE Region 6
San Jose, California, United States

Topic : Digital Storage and Memory for AI at the Edge

 **29 March 2021**
(7.30 pm - 8.30 pm) IST

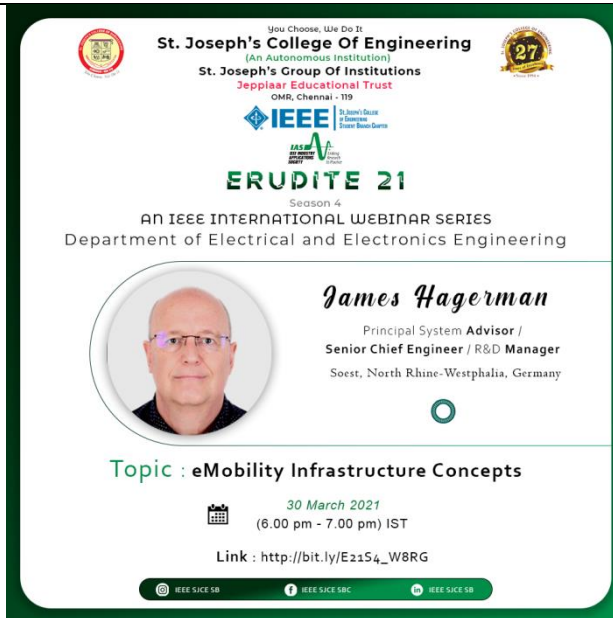
Link : http://bit.ly/Ez154_W7RG



PIC: event poster



Our IEEE SJCE SB conducted the seventh session of Erudite'21 on 29 March 2021. Mr. Thomas Coughlin was the speaker who is the President at Coughlin Associates and Insight Provider at Smartkarma. The speaker started with a detailed explanation about the emerging memories and told about the difference between hardware and software.

31



PIC: event poster

Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE'21. The eighth session was presented by Mr. James Hagerman who is a principal system advisor; senior chief engineer; R&D manager. In this meeting, the speaker briefly explained the E-mobility infrastructure concepts, the future of service stations, and a comparison between hybrid and BESS systems.

<p>32</p>	 <p style="text-align: center;">PIC: event poster</p>	<p>Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The third session was presented by Mr. John Altomonte who is the Chief executive officer at Verne Energy Solutions, Metro Manila National Capital Regions, Philippines. In this session, the speaker shared ideas about what is IAD, uses it.</p>
<p>33</p>	 <p style="text-align: center;">PIC: event poster</p>	<p>Our IEEE SJCE SB conducted an International Webinar Series, ERUDITE 21'. The eleventh session was presented by Mr. Martand Shardul who is the Policy Director at Global Wind Energy Council (GWEC), India. In this session, the speaker explained the importance and the role of wind energy in the energy sector.</p>

The poster is for an IEEE webinar titled "ERUDITE 21". It is part of "Season 4" of the "AN IEEE INTERNATIONAL WEBINAR SERIES" organized by the "Department of Electrical and Electronics Engineering" at "St. Joseph's College Of Engineering". The college is affiliated with "St. Joseph's Group Of Institutions" and "Jeppiaar Educational Trust". The poster features a circular portrait of the speaker, Jason Rodriguez, CEO at Zpryme, Austin, Texas, United States. The topic is "Evolution of e-mobility", scheduled for "3 April 2021" from "7.30 pm - 8.30 pm IST". A link is provided: http://bit.ly/E21S4_W11RG. The poster includes logos for IEEE, IEEE SB, and the college. At the bottom, there are three social media icons: IEEE FACEBOOK, IEEE LINKEDIN, and IEEE TWITTER.

PIC: event poster

Our IEEE SB in association with St. Joseph's College of Engineering on 27 March 2021. The speaker for this event was Mr. Jason Rodriguez. Over the entire duration of the session, Mr. Jason explained the past and present stats of e-vehicles and the future requirements in the e-vehicle field.

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in association with


PCRA
Petroleum Conservation
Research Association

Organizes

A WEBINAR ON
ENERGY CONSERVATION AND ENERGY EFFICIENCY

29 April 2021 | 3.00 p.m

RESOURCE PERSONS

Mr.D.Rathinasabapathy, B.E., M.B.A., Ms.A.Muneeswari, M.E., M.B.A.,
External Faculty
Petroleum Conservation Research Association (PCRA),
Under Ministry of Petroleum and Natural Gas, Govt. of India.

E-certificates will be provided to active participants

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

Patrons

<p>Mrs. B. Jessie Priya M.Com. Managing Director, St. Joseph's Group of Institutions</p> <p>Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering</p> <p>Convenors</p> <p>Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs</p> <p>Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs</p>	<p>Mr. B. Shashi Sekar M.Sc. Director, St. Joseph's Group of Institutions</p> <p>Dr. B. Parvathavarthini M.Sc., M.E., M.B.A., Ph.D. Dean, St. Joseph's College of Engineering</p> <p>Coordinators</p> <p>Dr.V.Krishnakumar M.E., Ph.D. Associate Professor / EEE</p> <p>Mr.R.Elanthirayan M.Tech., (Ph.D.) Assistant Professor / EEE</p>
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*For Admissions: Visit www.stjosephs.ac.in / www.stjosephstechnology.ac.in or Contact: 9940104881 / 9940104882

PIC: PCRA event poster

Our department organized a webinar on “energy conservation and energy efficiency” by Mr.D.Rathinasabapathy, external faculty, PCRA. DATE : 29.04.2021 (3PM)

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.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SOCIAL AWARENESS CLUB

Organises
An Awareness Talk
on

IMPORTANCE OF SAFETY AND HEALTH AT WORK



**WORLD DAY
FOR SAFETY
AND HEALTH
AT WORK**

28 April 2021 | 3.00 p.m

SPEAKER



Dr. Deshbandhu Rajput

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

Patrons

<p>Mrs. B. Jessie Priya M.Com, Managing Director, St. Joseph's Group of Institutions</p> <p>Dr. Vaddi Seshagiri Rao M.E., M.B.A., Ph.D. Principal, St. Joseph's College of Engineering</p> <p style="text-align: center;"><i>Convenors</i></p> <p>Dr. Jayarama Pradeep M.E., Ph.D. Professor & Head - Staff Affairs</p> <p>Dr. T.V. Narmadha M.E., Ph.D. Professor & Head - Lab Affairs</p>	<p>Mr. B. Shashi Sekar M.Sc. Director, St. Joseph's Group of Institutions</p> <p>Dr. B. Parvathavarthini M.Sc., M.E., M.B.A., Ph.D. Dean, St. Joseph's College of Engineering</p> <p style="text-align: center;"><i>Coordinators</i></p> <p>Mr. R. Elanthirayan M.Tech., (Ph.D.) Assistant Professor / EEE</p> <p>Ms. S. P. Vedavalli M.E., Assistant Professor / EEE</p>	<p style="text-align: center;"><i>Student Coordinators</i></p> <p>AARTHI AAKANKSHA SINGH NAVEEN R C RAHULA RAMKUMAR VELAN S</p>
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Our department social awareness club organized an awareness talk on "importance of safety and health at work" by Dr. Deshbandhu Rajput. DATE : 28.04.2021 (3PM)

PIC: Social awareness event poster

37

PIC: event poster

Our Department organized Trigger your brain online quiz for 7 Days which was held from 07.04.2020 to 14.04.2020. Participants from various Schools, Colleges and Institutions took part in this event. Tongue Twister aid Language development and boost our vocabulary knowledge in day to day life and quiz will improve their Knowledge. 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. Participation and appreciation certificates was given to the participants.

38

IV year EEE Students			Prize Details
			<p>Title Savvy Forecast LPG Observing and Explosion Management</p> <p>First Place Rs. 15,000/- Cash Prize</p>
<p>Faculty Mentor Dr. Jayarama Pradeep Professor & Head (Staff Affairs) Department of EEE</p>			

Our students Kumaran.M.S, Hounandan.R and Prahathesh.B got the first prize Rs.15000 cash prize in IEEE madras section student project funding (SPF 2020-21) held on 17th april 2021, title "savvy forecasting and explosion management" guided by faculty mentor Dr.Jayarama Pradeep, professor and head.

	<i>PIC: event poster</i>			
39	Placement Details for month April 2021	Student Name	Domain Selected	COMPANY
		YAZHINI A	-	FOCUS 4-D CAREER EDUCATION
		AKSHAYA LAKSHMI N S	General	HCL
		JIM DAVID W	VLSI	
		KEERTHANA R	General	
		KOUSIK RAJ.S	General	
		RAMACHANDRAN D	VLSI	
		SIVAPRIYA B	VLSI	
		SURYA M	General	

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING



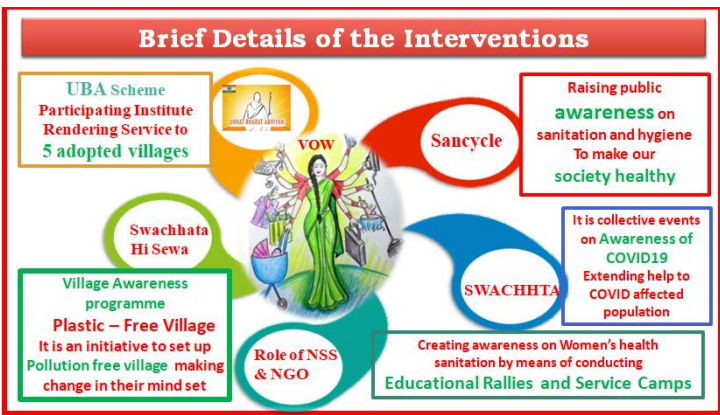

Sl. No.	Title	Detail					
1	Webinar/ FDP Attended By Faculty	S. No	Faculty Name	Date	Webinar /FDP attended/ workshop	Conducting agency	No. of days
		1.	Dr. P.Deepa	19-04-2021 To 24-04-2021	AICTE Sponsored FDP on "Electric Mobility: Development, Integration and design challenges"	Jerusalem College of Engineering	6
		2.	Dr. Gnanaprakasam C.N	20-4-21 to 26-4-21	AICTE - Iste Sponsored Six Days Induction/Refresher Programme On Recent Trends In Ev Technologies (Phase Iii)	Easwari Engineering College (Autonomous) Chennai00 089.	Six Days
		3.	Mr.Sankaran D	19-04-21 to 29-04-21	2 Weeks International Workshop on Data Science	SRM Easwari Engineering College	2 Weeks
		4.	Mrs. C.Ramadevi	22-3-21 To 3- 04-21	AICTE Sponsored Two Weeks FDP On Machine Learning And Deep Learning -An Application Perspective	Sreenivasa Institute Of Technology And Management	2 Weeks

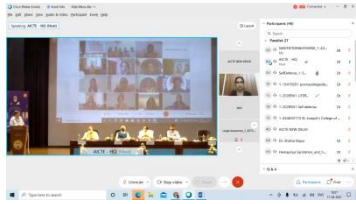
2	Publications	S.No	Faculty	Title of the paper	Date	Journal
		1.	Dr.V. Rajinikanth	Development of a Framework for Preserving the Disease-Evidence-Information to Support Efficient Disease Diagnosis	April 2021	Journal
		2.	Dr.V. Rajinikanth	A System and Method for Preserving Disease-Evidence-Information to support the Automated Disease Detection	21.4.21	International Patent
		3.	Dr.V. Rajinikanth	Automated Segmentation of COVID-19 Lesion from Lung CT Images Using U-Net Architecture	April 2021	Book Chapter (Springer)

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	FDP/Workshop/Conference	1. Dr. S. Rama attended National level workshop on “Chemistry for Sustainable Planet” conducted by “Kongu Engineering College, Erode” from 08.04.21 to 09.04.21. 2. Dr. S. Kiruba attended an International conference on “Hierarchically Structured Materials” conducted by “SRM Inst. of Science & Technology, Ramapuram” from 08.04.21 to 10.04.21. 3. Dr. S. Rama attended National webinar on “Recent trends in Green Energy Harvesting Technology” conducted by “J P College of Arts and Science, Tenkasi” on 23.04.21. 4. Dr. S. Prakash, Ms. J. Sharmila acted as NPTEL translator for the course “Chemical Process Intensification – offered by IIT Guwahati” during the period of 2.4.21 to 16.4.21.
2	Competitions attended by students	1. Mr. J. Praveen Kumar, I EEE – B has participated in the Guinness world record program of 24 hours Online computer programming conducted by “GUVI GEEK Network (P) Ltd, IITM Research Park, Chennai “ from 24.4.21 to 25.4.21

DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Events	Corresponding remarks in regarding the status of activity execution
1		<div style="text-align: center;">  <p>AICTE's Lilavati Award 2020</p> </div> <p>The AICTE's Lilavati award is awarded for promoting and practising the ideas of gender equality. The overall theme of the award ceremony was women empowerment. The award has been given to individuals and institutes affiliated with AICTE for their contribution in the area of women empowerment.</p> <p align="center"><u>1-434630173 Sanitation and Hygiene</u></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="806 726 1523 1141">  </div> <div data-bbox="1534 742 2060 1157">  </div> </div> <p><u>FACULTY MEMBERS</u> Mrs Lathaselvi Gandhimaruthian, Dept of IT (Team Head) Dr. Muthulakshmi Venkatesan, Dept of IT (Mentor) Dr. Renuka Viswanathan, Dept Chemical Engg (Mentor)</p>



STUDENT MEMBER
 Hemapriya N, 3rd Year, Dept of IT (Student Coordinator)

NGO MEMBER
 Mr Rajaraman, ASHA Charitable trust, Chennai

3



Certificate from IIT Indore for
 STTC on Mathematical
 Optimization and
 Applications

Online Seminar/ FDP Attended by Faculty

S.No	Title of the topic	Name of the Staff	Conducted By	Date
1.	Online seminar on Disaster Management with a Special Focus on Software Disaster	Dr. M. Anbu	Tamilnadu Safety Professionals Welfare Association, Chennai	11-4-2021
2.	Seminar on Build a Face Recognition Application using Python	J. Divya	GUVI, Chennai	24-4-2021
3.	AI for India	Dr. Lilly Raamesh Dr. S. Sumathi	GUVI, Chennai	25-4-2021
4.	Short Term Course on Mathematical Optimization and Applications	Dr. V. Muthulakshmi	Department of Mathematics, IIT Indore.	22-03-2021 to 27-03-2021.

4



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Online Seminar/ FDP Attended by Faculty

S.No	Title of the topic	Name of the Staff	Conducted By	Date
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8.	Short Term Course on Mathematical Optimization and Applications	Dr. V. Muthulakshmi	Department of Mathematics, IIT Indore.	22-03-2021 to 27-03-2021.

5



Certificate received through NPTEL

Online Courses attended by the faculty

S.No	Course Name	Name of the Staff	Conducted By	Date
1.	Data Science for Engineers	R. Deepa	NPTEL	Jan – Mar 2021
2.	Emotional Intelligence	Dr.Lilly Raamesh	NPTEL	Jan – Mar 2021
3.	Data Science for Engineers	Dr.S. Sumathi	NPTEL	Jan – Mar 2021


6



Published a paper in Journal of Oncology, Co-author: C. Heltin Genitha

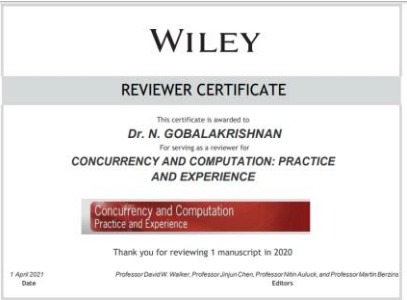

V. Nirmala, S. Leninisha, **C. Heltin Genitha**, G. Govindarajan and P. Sasipriya, “ Enhanced Segmentation of Inflamed ROI to Improve the Accuracy of Identifying Benign and Malignant Cases in Breast Thermogram”, Journal of Oncology, Vol. 2021, Publisher: Hindawi Publishing Corporation, E-ISSN: 16878450, Print ISSN: 16878469, <https://doi.org/10.1155/2021/5566853>, April 2021. (**Annexure I – Scientific Citation Index Expanded, Impact Factor: 2.206**).

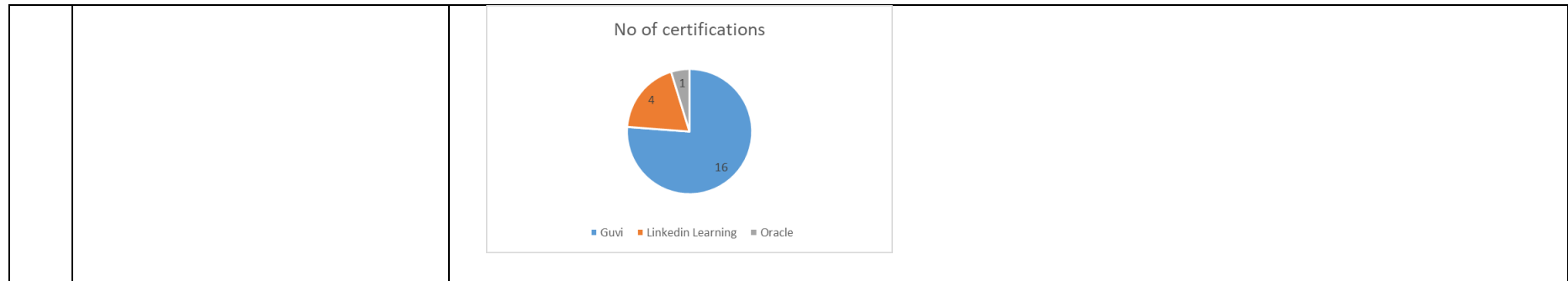
Abstract: Effective analysis of breast thermography needs an accurate segmentation of the inflamed region in Infrared Breast Thermal Images (IBTI) which helps in the diagnosis of breast cancer. However, IBTI suffers from intensity inhomogeneity, overlapping regions of interest, poor contrast, and low signal-to-noise ratio (SNR) due to the imperfect image acquisition process. To mitigate this, this work proposes an enhanced segmentation of the inflamed Region of Interest (ROI) using an active contour method driven by the multi-scale local and global fitted image (MLGFI) model. The first phase proposes a bilateral histogram difference based thresholding (BHDT) method for locating the inflamed ROI. This is then used for automatic initialization of active contours driven by MLGFI to segment the inflamed ROI from IBTI effectively. In the second phase, area-based feature (AF) and average intensity-based feature (AIF) along with the GLCM (gray level co-occurrence matrix) based second-order statistical features are extracted from the inflamed ROI. Based on these features, a system is developed to effectively classify the benign and malignant breast

		<p>conditions. Hence, it is concluded that the proposed method will improve the efficacy of thermal imaging in the diagnosis of breast cancer</p>
<p>7</p>	 <p>Research Article Enhanced Segmentation of Inflamed ROI to Improve the Accuracy of Identifying Benign and Malignant Cases in Breast Thermogram</p> <p>Nirmala Venkatesh Kumar¹, Leninisha Shanmugas², Genitha C. Heltin,³ G. Govindarajan,⁴ and P. Sasipriya⁵</p> <p>¹Department of Science and Engineering, St. Joseph's College of Engineering, 100th Avenue and 10th Street, Chennai, Tamil Nadu, India ²Department of Computer Science and Engineering, Anna University, Chennai, India ³Department of Computer Science and Engineering, Anna University, Chennai, India ⁴Department of Computer Science and Engineering, Anna University, Chennai, India ⁵Department of Computer Science and Engineering, Anna University, Chennai, India</p> <p>Correspondence should be addressed to Nirmala Venkatesh Kumar; email: nirmalav@annauniv.edu</p> <p>Received 10 January 2021; Revised 15 March 2021; Accepted 10 March 2021; Published 21 April 2021</p> <p>Academic Editor: Ravi Shankar</p> <p>Copyright © 2021 Nirmala Venkatesh Kumar et al. This is an open access article distributed under the Creative Commons Attribution License, which permits use, distribution, and reproduction in any medium, provided the original work is properly cited.</p> <p>Abstract: Effective analysis of breast thermography needs an accurate segmentation of the inflamed region in Infrared Breast Thermal Images (IBTI) which helps in the diagnosis of breast cancer. However, IBTI suffers from many inherent issues such as overlapping regions of interest, poor contrast, and low signal-to-noise ratio (SNR) due to the imperfect image acquisition process. To mitigate this, this work proposes an enhanced segmentation of the inflamed Region of Interest (ROI) using an active contour method driven by the multi-scale local and global fitted image (MLGFI) model. The first phase proposes a bilateral histogram difference-based thresholding (BHDT) method for locating the inflamed ROI. This is then used for automatic initialization of active contours driven by MLGFI to segment the inflamed ROI from IBTI effectively. In the second phase, area-based feature (AF) and average intensity-based feature (AIF) along with the GLCM (gray level co-occurrence matrix) based second-order statistical features are extracted from the inflamed ROI. Based on these features, a system is developed to effectively classify the benign and malignant breast conditions. Hence, it is concluded that the proposed method will improve the efficacy of thermal imaging in the diagnosis of breast cancer.</p> <p>Published a paper in Journal of Oncology, Co-author: C. Heltin Genitha</p>	<p>V. Nirmala, S. Leninisha, C. Heltin Genitha, G. Govindarajan and P. Sasipriya, “ Enhanced Segmentation of Inflamed ROI to Improve the Accuracy of Identifying Benign and Malignant Cases in Breast Thermogram”, Journal of Oncology, Vol. 2021, Publisher: Hindawi Publishing Corporation, E-ISSN: 16878450, Print ISSN: 16878469, https://doi.org/10.1155/2021/5566853, April 2021. (Annexure I – Scientific Citation Index Expanded, Impact Factor: 2.206).</p> <p>Abstract: Effective analysis of breast thermography needs an accurate segmentation of the inflamed region in Infrared Breast Thermal Images (IBTI) which helps in the diagnosis of breast cancer. However, IBTI suffers from intensity inhomogeneity, overlapping regions of interest, poor contrast, and low signal-to-noise ratio (SNR) due to the imperfect image acquisition process. To mitigate this, this work proposes an enhanced segmentation of the inflamed Region of Interest (ROI) using an active contour method driven by the multi-scale local and global fitted image (MLGFI) model. The first phase proposes a bilateral histogram difference based thresholding (BHDT) method for locating the inflamed ROI. This is then used for automatic initialization of active contours driven by MLGFI to segment the inflamed ROI from IBTI effectively. In the second phase, area-based feature (AF) and average intensity-based feature (AIF) along with the GLCM (gray level co-occurrence matrix) based second-order statistical features are extracted from the inflamed ROI. Based on these features, a system is developed to effectively classify the benign and malignant breast conditions. Hence, it is concluded that the proposed method will improve the efficacy of thermal imaging in the diagnosis of breast cancer</p>



<p>8</p>	<p>Turkish Journal of Computer and Mathematics Education Vol.12 No.2 (2021), 429- 436 Research Article</p> <p>Using Open Remote Sensing Data to build an Agriculture Big Data System</p> <p>Ancy Stephen¹, A.Punitha², and Dr A. Chandrasekar³</p> <p>¹ Research Scholar, Department of Computer Science and Engineering, Annamalai University, Department of Information Technology, St. Joseph's College of Engineering, Chennai. ² Associate Professor, Department of Computer Science and Engineering, Annamalai University, Chidambaram, Tamil Nadu. ³ Professor, Department of Computer Science and Engineering, St. Joseph's College of Engineering, Chennai.</p> <p>Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021</p> <p>Abstract: Landsat, MODIS, and Sentinel satellites are continuously producing multispectral sensor data with different spatial, temporal, and radiometric resolutions. This raw sensor data is calibrated and processed further, and additional data products are derived, which greatly reduces the burden for downstream applications from processing these data. These geospatial datasets are available to anyone free of charge. Remote sensing plays a key role in modern Agriculture. We can extract information about Soil, Weather, Water, and vegetation from these datasets. By processing historical remote sensing data, we can build temporal profiles of soil, weather, water, and agricultural conditions of the land. Deep learning and Spatio-temporal data mining algorithms can be applied to this data to extract hidden information. Having access to all this information via an agriculture information system, farmers will understand their land better and they will be empowered to make better decisions on a day-to-day activity. Although it looks simple from the surface, collecting, analyzing, and deriving insights from these sensor data and other data products from a multitude of sources is a big data and high-performance computing challenge. In this paper, we discuss the current open datasets and how these datasets can be used to solve various problems in agriculture. Also, we discuss implementing a cloud-based scalable agricultural information system which provides actionable insights to farmers.</p> <p>S. Ancy et al., published a paper in Turkish Journal of Computer and Mathematics Education (Scopus Indexed Journal)</p>	<p>S. Ancy, A.Punitha, and A. Chandrasekar, "Using Open Remote Sensing Data to build an Agriculture Big Data System", Turkish Journal of Computer and Mathematics Education (TURCOMAT), Vol. 12, No. 2, pp.429-436, Publisher: Karadeniz Technical University, E-ISSN: 13094653, April 2021. (Scopus Indexed Journal)</p> <p>Abstract: Landsat, MODIS, and Sentinel satellites are continuously producing multispectral sensor data with different spatial, temporal, and radiometric resolutions. We can extract information about Soil, Weather, Water, and vegetation from these datasets. By processing historical remote sensing data, we can build temporal profiles of soil, weather, water, and agricultural conditions of the land. Deep learning and Spatio-temporal data mining algorithms can be applied to this data to extract hidden information. Having access to all this information via an agriculture information system, farmers will understand their land better and they will be empowered to make better decisions on a day-to-day activity. Although it looks simple from the surface, collecting, analyzing, and deriving insights from these sensor data and other data products from a multitude of sources is a big data and high-performance computing challenge. In this paper, we discuss the current open datasets and how these datasets can be used to solve various problems in agriculture. Also, we discuss implementing a cloud-based scalable agricultural information system which provides actionable insights to farmers.</p>
<p>6</p>	<p>An Efficient Machine Learning Model for Location Aware Credit Fraud and Risk Classification and Detection</p> <p>V. Muthulakshmi¹, C. Saravanakumar² and A. Tamizhselvi³ (hoditabaffera@josephs.ac.in; malibofak@gmail.com; atamizhselvi@gmail.com)</p> <p>¹ Associate Professor, Department of Information Technology, St. Joseph's College of Engineering, OMR, Chennai 600 119, India. ² Associate Professor, Department of Information Technology, St. Joseph's Institute of Technology, OMR, Chennai - 600119, India. ³ Associate Professor, Department of Information Technology, St. Joseph's College of Engineering, OMR, Chennai 600 119, India</p> <p>Abstract: Online transaction grows in enormous rate because of the strength of usage by the user. User always use online mode to pay the amount to the respective merchant. Various methods of payment is available in the market but credit card is so popular due to the pre credit is assigned to the customer by banker. Card user gets extra time for paying the amount which gives comfortable life to them. Security of the card suffers in various factors such as theft, fraud, illegal access, so it is protected by using modern algorithm with automated capability. Artificial Intelligent algorithms are applied to detect the fraud but that is not achieving enough accuracy. This type of problem is overcome by using location based risk identification model with multidimensional features for analysis. Three phases of processing is carried out namely feature management, risk management and Location awareness. The focus of the model is to protect the credit card frauds in multi level security by identifying the source and location of access. It achieves high level of security when compared to all existing algorithms with reliable manner.</p> <p>Keywords: Machine Learning, SVM, Deep Learning, Fraud Detection, Risk Analysis</p>	<p>V. Muthulakshmi, C. Saravanakumar and A. Tamizhselvi, "An Efficient Machine Learning Model for Location Aware Credit Fraud and Risk Classification and Detection", http://dx.doi.org/10.4108/eai.16-5-2020.2304200, Proceedings of the First International Conference on Advanced Scientific Innovation in Science, Engineering and Technology, Chennai, India, 2021.</p>

	<p>Published a paper in International Conference on Advanced Scientific Innovation in Science, Engineering and Technology,</p>	<p>Abstract: Online transaction grows in enormous rate because of the strength of usage by the user. User always use online mode to pay the amount to the respective merchant. Various method of payment is available in the market but credit card is so popular due to the pre credit is assigned to the customer by banker. Card user gets extra time for paying the payment which gives comfortable live to them. Security of the card suffers in various factors such as theft, fraud, illegal access, so it is protected by using modern algorithm with automated capability. Artificial Intelligent algorithms are applied to detect the fraud but that is not achieving enough accuracy. This type of problem is overcome by using location based risk identification model with multidimensional features for analysis. Three phases of processing is carried out namely feature management, risk management and Location awareness. The focus of the model is to protect the credit card frauds in multi-level security by identifying the source and location of access. It achieves high level of security when compared to all exiting algorithms with reliable manner.</p>
<p>7</p>	<p>Human Body Analysis and Diet Recommendation System using Machine Learning Techniques</p> <p>M. Geetha¹, C. Saravanan Kumar², K. Ravikumar³ and V. Muthulakshmi⁴ <small>(geetha1@srmsat.edu.in, muthulakshmi@gmail.com, ravikumar99@gmail.com and hodh@srmsat.edu.in)</small></p> <p><small>Professor, Department of Computer Science and Engineering, School of Computing, College of Engineering and Technology, Vaidyanthi, Chennai, India¹ Associate Professor, Department of Information Technology, St. Joseph's Institute of Technology, OMR, Chennai - 600119, India² Associate Professor, Department of Computer Science and Engineering, Ramas College of Engineering, Chennai - 600119, India³ Associate Professor, Department of Information Technology, St. Joseph's College of Engineering, OMR, Chennai 600 119, India⁴</small></p> <p><small>Abstract: Nowadays the human faces the problem in maintaining the health condition in proper level. The problem is occurred due to excess consumption of the food which leads to obesity and also causes health issues. Mismanagement of the human health system is monitored using automated system which provides the report to the person. Traditional health monitoring model lacks in the accuracy of the report so it is improved by implementing intelligent diet control system. This provides the human choose and consumed proper food based on their health condition and extend the life time. The main objective of the proposed system analyses the body and provides the diet report to the person accurately. Existing techniques are only report the person based on the current activity which leads the reliability problem. The proposed model uses the machine learning approach which analyses the body of the human with pre medical history and predict the future health condition over the year. It provides the diet recommendation systems by considering the current and past food consumption record and recommend proper diet report with more reliable manner.</small></p> <p><small>Keywords: Machine Learning, Deep Learning, Recommendation Systems, Healthcare, Data Mining</small></p> <p>Published a paper in International Conference on Advanced Scientific Innovation in Science, Engineering and Technology,</p>	<p>M. Geetha, C. Saravanan Kumar, K. Ravikumar and V. Muthulakshmi, "Human Body Analysis and Diet Recommendation System using Machine Learning Techniques", http://dx.doi.org/10.4108/eai.16-5-2020.2304203, <u>Proceedings of the First International Conference on Advanced Scientific Innovation in Science, Engineering and Technology, Chennai, India, 2021.</u></p> <p>Abstract: Nowadays the human faces the problem in maintaining the health condition in proper level. The problem is occurred due to excess consumption of the food which leads to obesity and also causes health issues. Mismanagement of the human health system is monitored using automated system which provides the report to the person. Traditional health monitoring model lacks in the accuracy of the report so it is improved by implementing intelligent diet control system. This provides the human choose and consumed proper food based on their health condition and extend the life time. The main objective of the proposed system analyses the body and provides the diet report to the person accurately. Existing techniques are only support the person based on the current activity which leads the reliability problem. The proposed model uses the machine learning approach which analyzes the body of the human with pre</p>


		<p>medical history and predict the future health condition over the year. It provides the diet recommendation systems by considering the current and past food consumption record and recommend proper diet report with more reliable manner.</p>												
8	 <p>Dr. N. Gobalakrishnan acted as a reviewer in Concurrency and Computation: Practice and Experience, Wiley Online Library</p>	<p>Journal/ Conference Reviewed by Faculty</p> <table border="1" data-bbox="857 347 2027 722"> <thead> <tr> <th>S.No</th> <th>Name of the Staff</th> <th>Journal/Conference Details</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Dr. N. Gobalakrishnan</td> <td>Concurrency and Computation: Practice and Experience, Wiley Online Library</td> <td>1-4-2021</td> </tr> <tr> <td>2.</td> <td>Dr. N. Gobalakrishnan Dr. C. J. Raman</td> <td>Conference on Intelligent Computing and Communication Networks 2021, Department of CSE, BIT Campus, Anna University, Trichy in association with Computer Society of India.</td> <td>Feb 2021</td> </tr> </tbody> </table>	S.No	Name of the Staff	Journal/Conference Details	Date	1.	Dr. N. Gobalakrishnan	Concurrency and Computation: Practice and Experience, Wiley Online Library	1-4-2021	2.	Dr. N. Gobalakrishnan Dr. C. J. Raman	Conference on Intelligent Computing and Communication Networks 2021, Department of CSE, BIT Campus, Anna University, Trichy in association with Computer Society of India.	Feb 2021
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9	 <p>Sample Online Certifications</p>	<p>Students Online Certification</p> <p>Students have obtained 21 online certifications from some of the reputed online course platforms.</p>												



DEPARTMENT OF MBA

S.No	Events	Remarks
April 2021		
1		<p>Dr. S.Ajit</p> <p>Dr. S.Ajit, participated online for five days from April 5th to 9th on “FDP on Data Analysis with R” organized by St.Joseph’s College of Commerce, Bengaluru.</p>
2		<p>Dr. R.Sundari</p> <p>Dr. R.Sundari. participated in one day international Webinar on Higher educational policy and best practices organized by JAIN (deemed to be university) and Internal quality assurance cell (IQAC) on Apr 3, 2021</p>

DEPARTMENT OF MECHANICAL ENGINEERING

SI No	Name of the Activity	Remarks
1	Conference Attended	<ul style="list-style-type: none"> ➤ B. Ramesh, S. Satish Kumar, I. Saravanan, Ammar H. Elsheikh, N. Sathishkumar, S.A. Muhammed Abraar. Experimental Investigation of Drilling Parameters for Polymer Matrix Composite. 2nd International Conference on Advanced Materials Behavior & Characterization (ICAMBC_2021). 24-04-2021. Completed the Review Process (To be published in next month) Journal Name: AIP Conference Proceedings. Publisher: American Institute of Physics. Indexing: Scopus Indexed.
2		<ul style="list-style-type: none"> ➤ Mr.P.Premkumar Completed AICTE-ISTE approved Orientation/ Refresher Programme on "Welding Process and NDT Evaluation" held during 12.04.2021 to 17.04.2021 organized by Institute of Technology and Management Universe, Vadodara,Gujarat. ➤ Mr.G.Kasirajan Completed AICTE-ISTE approved Orientation/ Refresher Programme on "Welding Process and NDT Evaluation" held during 12.04.2021 to 17.04.2021 organized by Institute of Technology and Management Universe, Vadodara,Gujarat. .



Certificate



This is to certify that **G.KASIRAJAN** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on **“Welding Processes and NDT Evaluation”** held during **12.04.2021** to **17.04.2021** organized by **Institute of Technology and Management Universe, Vadodara, Gujarat.**

Director (FDC)
AICTE, ND

Executive Secretary
ISTE, ND

Program Coordinator
ITMU, Vadodara

Director
ITMU, Vadodara

DEPARTMENT OF CIVIL ENGINEERING

1	STTP / Webinar Attended	<ul style="list-style-type: none">● Mr.S.P.Senthil Kumar attended the webinar on “Cement Superplasticizer compatibility” on 3, April 2021 conducted by Ultra Tech CEMENT.● Mr.S.P.Senthil Kumar has participated in the online International Webinar on “Geopolymer Concrete” on Friday, 09th April 2021 conducted by Department of Civil Engineering ,SRM Institute of Science and Technology, Ramapuram, Chennai● Ms.S.Banupriya attended the webinar on “Sustainable Construction a Code Based Approach” on 24, April 2021 conducted by Ultra Tech CEMENT..● Ms.S.Banupriya attended the webinar on “Intellectual Property Right” on 26, April 2021 conducted by Smt. Radhadevi Goenka Mahila Mahavidyalaya.● Ms.S.Banupriya attended the webinar on “Advanced Course on Green Building Materials” on 26-28, April 2021 conducted by CSIR-CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE UTTARAKHAND (INDIA).● Ms.S.Banupriya, Mr.P.Sri Balaji and Ms.R.Ruthra have attended the webinar on “From Ready Mix Concrete (RMC) to Ready Made Buildings (RMB)” on 29 ,May 2021 conducted by Ultra Tech CEMENT.● “Advances in Rapid Construction” on 27-28
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