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St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions

Jeppiaar Educational Trust

OMR, Chennai - 119.



MARCH 2021

DEPARTMENT OF CHEMICAL ENGINEERING

Sl No	Name of the Event	Details
1	Paper Published	Ms B Senthil Rathi, Dr P Senthil Kumar has published a paper titled "Application of adsorption process for effective removal of emerging contaminants from water and wastewater" in the journal of Environmental Pollution 280, 116995.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS 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. GNANAPRAKASAM C N	22-03-2021 to 27-03-2021	International Faculty Development Programme on “Demystifying Optimization Techniques”	Bannari Amman Institute of Technology, Sathyamangalam	06
		2.	Mr. ELAVARASAN R	22-03-2021 to 27-03-2021	International Faculty Development Programme on “Demystifying Optimization Techniques”	Bannari Amman Institute of Technology, Sathyamangalam	06
		3.	Mr. SANKARAN D	22-03-2021 to 27-03-2021	International Faculty Development Programme on “Demystifying Optimization Techniques”	Bannari Amman Institute of Technology, Sathyamangalam	06
		4.	Kirthini Godweena A	-	NITTT 2021	AICTE	6 months

2	Publications	S.No	Faculty	Title of the paper	Date	Journal
		1.	V. Rajinikanth	Automated classification of retinal images into AMD/non-AMD Class—a study using multi-threshold and Guassian-filter enhanced images	2021/3/10	Evolutionary Intelligence 2021
		2.	V. Rajinikanth	Extracton of Abnormal Skin Lesion from Dermoscopy Image using VGG-SegNet	2021/3/25-27	ICBSII 2021, IEEE Conference, SSN.
		3.	V. Rajinikanth	Retinal Vessel Segmentation With Slime - Mould - Optimization Based	2021/3/25-27	ICBSII 2021, IEEE Conference, SSN.
		4.	V. Rajinikanth	Breast-Cancer Detection using Thermal Images with Marine-Predators-Algorithm Selected Features	2021/3/25-27	ICBSII 2021, IEEE Conference, SSN.
		5.	V. Rajinikanth	Machine-Leaming-Scheme to Detect Choroidal-Neovascularization in Retinal OCT Image	2021/3/25-27	ICBSII 2021, IEEE Conference, SSN.
		6.	Rashmi, R, Umapathy, S, Palani Thanaraj K	Thermal imaging method to evaluate childhood obesity based on machine learning techniques.	2021/3/20	International journal of imaging systems and technology.
		7.	A.Sadeesh Kumar, N.Hariprasad	Multi carrier PWM technique based 31 level cascaded multilevel inverter for renewable energy systems	April 7-9,2021	International web conference on sustainable materials and green technologies

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

Sl. No	Photographs Captured During Events	Corresponding remarks
1	<p>FDP</p> 	<p>Date: 18 March, 2021 to 31 March 2021</p> <p>TOPIC: Machine learning techniques for Imaging and Healthcare with PYTHON</p> <p>Organizer: Sri Sairam engineering college, Chennai</p> <p>No. of Participant:01</p>
2	<p>FDP</p> 	<p>Date: 10 March, 2021 to 17 March 2021</p> <p>TOPIC: MATLAB</p> <p>Organizer: Bharathiar University, Coimbatore</p> <p>No. of Participant:01</p>

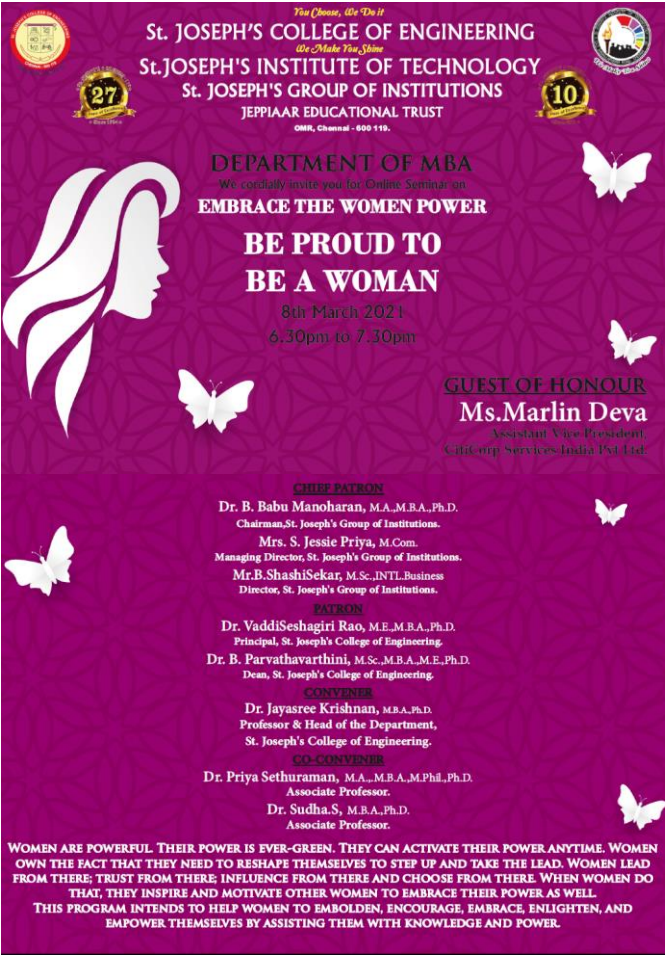
DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	FDP/Workshop/Conference	<p>1. Dr. N. Punitha attended National Webinar on “Nano Structures For Next Generation Devices” conducted by “Loyola College , Chennai” on 16.3.2021</p> <p>2. Dr. G. Murugan, Dr. A. Uma Devi, Dr. N.R. Rajagopalan, Dr. K. Jayamoorthy, Dr. S.M. Prakash, attended National webinar on “World Water Conservation Day” conducted by Mohamed Sathak College of Arts & Science, Chennai on 22.3.2021</p> <p>4. Dr. K. Jayamoorthy presented a paper in “National E Conference on Advanced Research in Materials Science” conducted by Kamaraj College, Thoothukudi from 22.3.2021 to 23.3.2021.He also won the best paper award.</p> <p>5. Dr. N. Punitha attended International workshop on “Energy Storage Technologies For E-Mobility” conducted by SRM Institute of Science and Technology, Chennai” from 25.3.2021 to 27.3.2021.</p> <p>6. Dr. K. Sathesh Kumar attended National Webinar on “Physics for Global Needs-A subject perspective analysis” conducted by “SRM Institute of Science and Technology, Chennai” on 27.3.2021</p>

DEPARTMENT OF MATHEMATICS AND ENGLISH

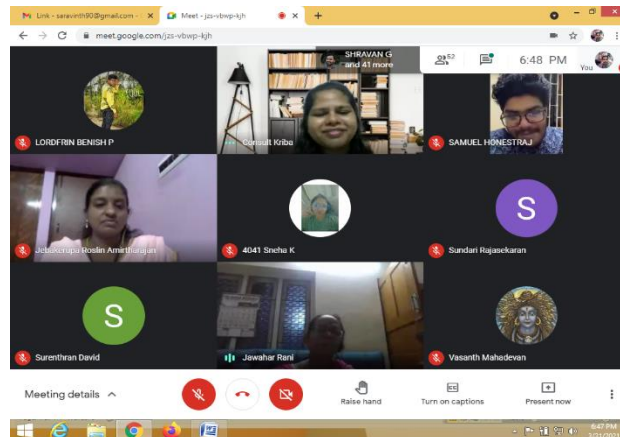
Sl. No.	Events	Remarks
1	Paper Published	<p>1. Dr.U. Venkateswara, Man’s Exploitation Of Nature In Select Indian Novel, Sambodhi , Vol-44 No.-01(II) : 2021, page 118-121, March 2021, ISSN: 2249-6661</p>

DEPARTMENT OF MBA

S.No	Events	Remarks
March 2021		
WORKSHOP		
1		<p>Title: Online Seminar on Embrace the Women Power: Be Proud to be a Women</p> <p>Date and Time: 8 th March 2021, 6.30pm to 7.30pm</p> <p>8th March, considered as International Women’s Day. This day brings many things for women – a cause for celebration, a reason to pause and reevaluate a remembrance, an inspiration and a time to honor, loved and admired. To acknowledge Women in Power St. Joseph’s College of Engineering conducted an online seminar on Monday 8 th March, 2021.</p> <p>For the Seminar, Guest of Honor was Ms. Marlin Deva, Assistant Vice President, Citi Corp Services India Pvt Ltd. During the seminar Ms. Marlin Deva addressed that there should be a balance between career and family(Work life Balance) and without a family support a women can’t achieve success and also shared her tales of struggle and success. Even she emphasized on the topic of “Me Time” which every woman must have for</p>


herself and should continue pursuing their hobbies as it is a great stress buster. She had even prepared a small Quiz Session for the attendees in order to make them aware about the women those are in power in various sectors.

GUEST LECTURE



One day online workshop on GROWING YOUR EXPORTS BUSINESS IN 2021, was conducted on 31.03.2021. The workshop was done by Ms. A Mahalakshmi founder, "CONSULT KRIBA". The workshop was very useful for all of use, because as a MBA student we all have to know more about the growing exports business in our country and the other countries. Ma'am gave us more details about the exports of our country and she gave us more details about how should we handle the crisis in business. Ma'am also gave us many examples about the export business. The session totally was a very interesting one and it was very useful for all of us. Ma'am gave us all a very clear view to handle the export business in our future. We all are very much honoured to have Ms. A Mahalakshmi to teach us more about the growing export business, Around 120 students participated in this workshop

DEPARTMENT OF MECHANICAL ENGINEERING



SI No	Name of the Activity	Remarks
1	Paper Published	<ul style="list-style-type: none"> ➤ M Arun, N Sathishkumar, N Arunkumar, J Jerin Jose, Ihsan Abdul Fathah, K Nithesh Kumar., “Process parameters optimization in machining of duplex 2205 stainless steel alloy using AWJM technique”. Materials Today: Proceedings. Publication Date - 09/03/2021. Scopus Indexed.
2	Paper Published	<ul style="list-style-type: none"> ➤ Subramanian M*, Arunkumar N, George Sahaya Nixon Rethnam, and Balasubramanian T., Exploration of the Damping Characteristics of Basalt Hybrid Composites Reinforced with Natural Fibers and Epoxy Resin, Fibers and Polymers, 2021, DOI 10.1007/s12221-021-0761-z
3		<ul style="list-style-type: none"> ➤ Mr.P.Premkumar Attended TEQIP-III sponsored Five days FDP on “Novel Engineering Materials and Processing Techniques” organized by Coimbatore Institute of Technology from 18th to 22nd March 2021.



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➤ Mr.M.Ganesh attended one day workshop on,”Structural,Thermal and Dynamic Analysis using ABAQUS Software on 13th March 2021 orgnsised by SSN College of Engineering

DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Corresponding remarks in regarding the status of activity execution				
1	 	Online Courses				
		S. No.	Course Name	Name of the Staff	Conducted By	Date
		1.	Machine Learning Specialization	Dr. S. Sumathi	Electronics & ICT Academy , IIT, Roorkee	20-01-2021
2.	Interfacing with the Arduino	Dr. D. Logeshwari	Coursera	08-03-2021		

<p>2</p>	 <p>Mr.N.Aniruth- TCS Hack Quest 5.0</p>	<p style="text-align: center;">Students Achievements</p> <p>Mr.N.Aniruth of Final year have bagged prize amount of Rs.1.25 Lakhs in the TCS HackQuest 5.0 organized by TCS on 5/3/2021</p>
<p>3</p>	 <p>P. Thilakavathy and B. Diwan published a Scopus Indexed Journal</p>	<p>P. Thilakavathy, B.Diwan, “Semi-Automatic Framework for Estimating Intelligence Quotient (IQ) Using MRI”, Annals of the Romanian Society for Cell Biology, ISSN: 1583-6258, Vol. 25, No. 3, pp. 2087-1101, 2021. (Scopus Indexed Journal)</p> <p>Abstract: Central Nervous System is the huge database of information, called a well-organized intellectual library. For analyzing IQ score a popular imaging called MRI (Magnetic Resonance Imaging) is used. The positively associated regions related to intelligence are total brain volume, GM/WM and cortical analysis. Identifying and measuring only the few particular variables cannot determine intelligence, this motivated us in considering all the variables at once. Brain Morphometric features are measured manually or automatic using volumetric analysis of core regions and sub regions. The some of the morphometric analysis are volumetric analysis and quantification of size and shape of the brain’s variables. Here in this proposed frame work we used subject’s MRI in estimating human’s intelligence using MeVisLab and Brainsuite19b. We also presented various graphical network frame work using itk and vtk packages of MeVisLab. Our results consolidated the vital regions and considered its overall volumetric measures in improving the intelligence accuracy. Future advancement of this analysis is to define particularly that which region is specifically associated with what intelligence types. To check whether the individual will excel in particular field the corresponding associated region and its measurements will be useful in predicting the intelligence level and also stating whether this subject can be suitable or not for the particular field of interest</p>

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Dr. V.Muthulakshmi et al.,
published a patent

Patent Published

Title of the invention : IOT Based Smart Home Security System

Name of Inventor :

1. Mrs. Seira Shinde
2. Dr. Anuranjan Misra
3. Mr. Shashi Kant Mishra
4. Dr. Neel Kamal
5. Dr. V.Sangeetha
6. R.Nithya
7. Dhiraj Kapila
8. Dr. Vijay Dhir
9. Dr.D.Shanmugapriyaa
- 10. Dr. V Muthulakshmi**
11. Dr. MD. Khaja Mohiddin
12. Dr.S.Balamurugan

Patent Number: 2021210183

Date of filing of Application : 10/03/2021

Publication Date: 19/03/2021