








St. Joseph's College of Engineering
 St. Joseph's Group of Institutions
 OMR, Chennai – 119.



OCTOBER 2020

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> <p> Get Access</p> <hr/> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p>Bioresource Technology Volume 315, November 2020, 123852</p> </div>  </div> <hr/> <p>Optimization and techno-economic analysis of biodiesel production from <i>Calophyllum inophyllum</i> oil using heterogeneous nanocatalyst</p> <p>Naveenkumar, Rajendiran, Baskar, Gurunathan  </p>	<p>R. Naveenkumar, G. Baskar Optimization and techno-economic analysis of biodiesel production from <i>Calophyllum inophyllum</i> oil using heterogeneous nanocatalyst in the journal <i>Bioresource Technology</i>, 0960-8524, Nov-20, 315 https://doi.org/10.1016/j.biortech.2020.123852 IF- 7.539. Indexed - WOS & Scopus</p>

STAFF CONFERENCE PRESENTATION



Dr. G. Sreekumar copy of certificate

2.



- **Dr. G. Sreekumar** has attended the online program on For the love of food (Food Safety and the Analysis of MCPD in edible oils) conducted by Shimadzu on 15th October 2020.
- **Dr. G. Sreekumar** has attended the online webinar on EDX- A fast and simple technique for pharmaceutical elemental analysis. Organized by Shimadzu on 9th October 2020.
- **Dr. G. Baskar** has Participated in webinar on “Response of the DBT’s autonomous institutions to Covid’19 (Part III)” organized by DBT, GOI on 15.10.2020.
- **Dr. G. Baskar** Participated in webinar on Best practices in submitting research for highly selective journals organized by Dr. Robert D. Eagling, Editor in chief of Chem (Cell Press Journal) on 6th October, 2020.
- **Dr. G. Baskar** has Participated in webinar on “Showcasing demonstrated waste to value technologies” organized by India Alliance on 1.10.2020.

Dr. G. Sreekumar copy of certificate



CERTIFICATE
PROUDLY PRESENTED TO

Baskar G

Webinar on the Response of the DBT's Autonomous
Institutes to COVID-19 (Part-III)

Oct 15, 2020

Date of Completion

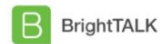
India Alliance

Organizer



Dr. G. Baskar copy of certificate

- **Ms. Geerthika S** has participated in the Online FDP on Sustainable Development and Research Opportunities in Food and Chemical Engineering, organized by Hindusthan College of Engineering and Technology, Coimbatore during 05.10.2020- 11.10.2020 (7 Days)



Certificate of Attendance

This is to certify that:

Baskar Gurunathan

Professor, St. Joseph's College of Engineering, Chennai

Viewed:

Best Practices in Submitting Research for Highly Selective Journals

On: October 6, 2020
For: 76 of 76 minutes

Presented by:

Dr. Robert D. Eagling, Editor-in-Chief of Chem (Cell Press journal)

October 6, 2020
Date



www.brighttalk.com/webcast/16651/437223
Content link

Dr. G. Baskar copy of certificate



Hindusthan College of Engineering and Technology

**DEPARTMENT OF FOOD TECHNOLOGY &
DEPARTMENT OF CHEMICAL ENGINEERING**

CERTIFICATE OF PARTICIPATION

This certificate is granted to

GEERTHIKA S
St. JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI

In recognition of participating in the International Virtual Faculty Development Programme-2020, "SUSTAINABLE DEVELOPMENT AND RESEARCH OPPORTUNITIES IN FOOD AND CHEMICAL ENGINEERING" from 5th October 2020 to 11th October 2020 organized by Department of Food Technology and Chemical Engineering, Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Dr Jeevarathinam G
Organizing Secretary,
Department of Food Technology
HiCET, Coimbatore- 641032

Dr Seenuvasan M
Convener, Professor and Head
Department of Food Technology
HiCET, Coimbatore- 641032

Dr Magudeeswaran P N
Dean (Academics)
HiCET, Coimbatore- 641032

Dr Karunakaran K
Principal
HiCET, Coimbatore- 641032

Ms. Geerthika copy of certificate



DEPARTMENT OF CHEMICAL ENGINEERING

Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks
1	FDP	<ul style="list-style-type: none">• Ms Sivaranjane R attended virtual FDP on “Sustainable Development and Research Opportunities in Food and Chemical Engineering” from 5th to 11th October organized by Hindusthan College of Engineering and Technology.• Ms Geerthika S attended virtual FDP on “Sustainable Development and Research Opportunities in Food and Chemical Engineering” from 5th to 11th October organized by Hindusthan College of Engineering and Technology.• Ms B S Rathi attended virtual FDP on “Sustainable Development and Research Opportunities in Food and Chemical Engineering” from 5th to 11th October organized by Hindusthan College of Engineering and Technology.
2	GUEST LECTURE	<ul style="list-style-type: none">• The department of Chemical Engineering organized IICHE Guest Lecture on 17th October 2020 on the topic “Process Safety Device Sizing” with nearly 330 participants headed by Ms Subthara

DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks (Minimum 300 words) in regarding the status of activity execution stating
1.	FDP/Workshop/Conference attended	<ul style="list-style-type: none">● S.Banupriya, AP/ Civil has published paper titled "Soil stabilization using raw plastic bottle " in AIP Conference Proceedings Online: 29.10.20 (Web of Science indexed)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	 <p>The poster for IEEE Day 2020 at St. Joseph's College of Engineering. It features the IEEE logo and the IEEE Computer Society logo. The text reads: 'ST. JOSEPH'S COLLEGE OF ENGINEERING St. Joseph's Group of Institutions OMR, Chennai-119. IN ASSOCIATION WITH IEEE AND IEEE COMPUTER SOCIETY. CORDIALLY INVITES YOU TO JOIN THE CELEBRATION OF IEEE DAY 2020 OCTOBER 6, 2020. PATRONS: Dr. B. Babu Manoharan, M.A., M.E., Ph.D., Chairman. Mr. B. Jesse Princy, M.Com., Managing Director. Mr. B. Shashi Sekar, M.Sc., BTL, Business Analyst. Dr. B. Parvathasanthi, M.Sc., M.E.A., M.E., Ph.D., Dean. Dr. Vaishu Seshagiri Rao, M.E., M.A., Ph.D., Principal. HOOD-CSE: Dr. A. Chandrasekar, M.E., Ph.D. SBC Counsellor: Mr. S. Sureshbabu, M.E., Ph.D. Faculty Advisor: Dr. G. Harigandan, M.E., Ph.D.</p>	<p>Date : 06.10.2020 Venue : Online mode Nature of Event : Variety technical programs Participants : Students Resource Person : IEEE Office bearers Objective: This is a distressing, uncertain time. Even as some places start to open up again after months of lockdown, the end may still seem a long way off. To engage the students during the lock down period on the occasion of IEEE Day 2020 celebrations, various events were conducted viz. Jav vu Candy-Fun Stress buster for creative minds, Brain into Enigma-Riddles, Croddword+Connections Outcome: There would be a countable numbers of student students were actively participated in all the programs. The winners of the events were honored with certificates</p>
2	 <p>The poster for Miniproject Expo 2020 at St. Joseph's College of Engineering. It features the IEEE logo and the IEEE Computer Society logo. The text reads: 'St. Joseph's College of Engineering (St. Joseph's Group of Institutions) OMR Chennai-119. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING. Miniproject EXPO-2020. On 30 & 31 of October 2020. All Second Year & Third Year, Students are Eligible. Protocol: Concept must be innovative, Individual/Max. Two per team, Able to display/execute in online, E-Certificate will be issued for all the Participant, Winner will selected by the project expo committee based on the concept, theme & presentation, Best Project will be displayed/loaded Department desk, website, YouTube. Theme: AI/ML/Deep Learning, IoT Application, Big Data/ Data mining, Cloud Computing, Block Chain, Android /IOS Applications, Network /Cyber Security, Image Processing, Embedded and Many more, Innovative Projects. Patrons: Dr. B. Babu Manoharan M.A., M.E., Ph.D., Chairman. Mrs. B. Jesse Princy M.Com., Managing Director. Mr. B. Shashi Sekar M.Sc., Director. Dr. Vaishu Seshagiri Rao M.E., M.A., Ph.D., Principal. Dr. B. Parvatha Varthini M.Sc., M.E.A., M.E., Ph.D., Dean. Registration link: https://tinyurl.com/miniprojectexpo2020. Organized by: All Staff Member. Contact: cse@stjosephs.ac.in</p>	<p>Date : 30.10.2020 & 31.10.2020 Venue : Online mode Nature of event : Project Exhibition Participants : CSE Students No. of Days : 2 Resource Person : CSE Staff Members Objective: To provide the platform and unleash the potential of the students by showcasing their innovative projects developed during their course of study either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning experience. Outcome:</p> <ul style="list-style-type: none"> Develop professionals having good skills, self-learning ability and confidence to support and contribute to the growth of relevant industries. This provides opportunity for the students to demonstrate their learning experience.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. QUIZOTRONICS	Report
	<p>The Student Chapter of Institute of Electrical and Electronics Engineers (IEEE), St. Joseph's College of Engineering, conducted an IEEE online event QUIZOTRONICS for the students of ECE department. This event was conducted on 11.10.2020 from 3:00 - 5:00pm by the 3rd and final year students.</p> <p>This event was conducted under the supervision of Dr. R. Avudaiammal, Ph.D., and Mr. K. Venaktesan, M.E., being the advisors of IEEE student chapter of the department. The Chairman and Vice-Chairman of all the chapters came together to make this event possible.</p> <p>Around 50 students registered for QUIZOTRONICS, out of which 45 students attended it. The registration for this event was free of cost. A preliminary round was conducted for the participants, from which top 15 students got shortlisted to the final round. The final round was conducted on the same day at 4pm. This round was conducted on the Kahoot platform. There were totally 30 questions in this round which was based on the electronics and communications. The questions were displayed to the participants and they have to give the correct answer. All the participants really did a good job. The students who scored the maximum scores were announced as the final round winners.</p> <p>This event was successfully conducted and ended around 5pm. E-certificates were provided to all participants</p>

YOU CHOOSE WE DO IT

St. JOSEPH'S COLLEGE OF ENGINEERING

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI-119

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(ACCREDITED BY NBA SINCE 2003)

in association with

IEEE Student Chapter



PRESENTS

nirf

Quizotronics



11-10-2020



04:00 pm - 05:00 pm



Chief Patron

Dr. B. Babu Manoharan M.A, MBA, Ph.D

Chairman, St. Joseph's Group of Institutions



Patrons

Mrs. S. Jessie Priya M.Com
Managing Director

Mr. B. Shashi Sekar M.Sc., INTL buisness
Director

Dr. Vaddi Seshagiri Rao M.E, MBA, Ph.D
Principal

Dr. B. Parvathavarthini M.E, MBA, Ph.D
Dean (Research)

Convenors

Dr. B. Victoria Jancee M.E, Ph.D
(HOD - Staff Affairs)

Dr. S. Aghalya M.E, Ph.D
(HOD - Student Affairs)

Dr. P. Ezhilarasi M.E, Ph.D
(HOD - lab Affairs)

Staff Coordinators

Dr. R. Avudaiammal M.E, Ph.D
Mr. K. Venkatesan M.E, (Ph.D)

Student Coordinators

Andrew +91 8056228365
Prem I +91 8220857643



[https://forms.gle/
UzssD4hqgvorxg5k7](https://forms.gle/UzssD4hqgvorxg5k7)

Free Registration for IEEE STUDENTS

E-Certificates will be provided

5011

2.EMPERATRIZ – IEEE Student Chapter and OSA Student Chapter Event

Report

YOU CHOOSE WE DO IT

St. JOSEPH'S COLLEGE OF ENGINEERING

St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI-119

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
(ACCREDITED BY NBA SINCE 2003)

In Association with IEEE Student Chapter and
OSA Student Chapter

PRESENTS
EMPERATRIZ
Build Your Future
Featuring



Ishwarya Thiagarraj
(IV Year ECE)



Jane Cynthia S
(IV Year ECE)



Priya Dharshini I
(IV Year ECE)



Shruthi S
(IV Year ECE)

25-10-2020 11:00 AM - 12:30 PM

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

Patrons

Mrs. S. Jessie Priya M.Com
Managing Director

Mr. B. Shashi Sekar M.Sc., INTL Business
Director

Dr. Vaddi Seshagiri Rao M.E, MBA, Ph.D
Principal

Dr. B. Parvathavarthini M.E, MBA, Ph.D
Dean (Research)

Convenors

Dr B. Victoria Jancee M.E, Ph.D
(HOD- Staff Affairs)

Dr S. Aghalya M.E, Ph.D
(HOD- Student Affairs)

Dr P. Ezhilarasi M.E, Ph.D
(HOD- Lab Affairs)

Staff Coordinators

Mrs. S. Devipriya B.E, M.E.,
+91 8428395654

Mrs. R. Madhumitha B.E, M.E.,
+91 9710070256

REGISTER NOW!

<https://forms.gle/mk27hATgWy1cZ6e88>

Free Registration
E-Certificates will be provided

Student Development Program on “EMPERATRIZ” was organized by the department of Electronics and Communication Engineering on **25-10-2020** using Google Meet app between 11.00 AM and 12.30 PM

Ms. Priyadharshini I, Ms. Jane Cynthia S, Ms. Ishwarya Thiagarraj and Ms. Shruthi. S gave a brief explanation on how to build a technical product, how to work on projects, how to face an interview, Data science and higher education abroad. Altogether 95 participants got benefitted out of this webinar. Feedback collected from the participants signified the usefulness of the event and their interest in participating future events under our banner. E-Certificates were mailed to all 95 participants as an acknowledgement of their participation.

3. Tech Drove 3.0 – OSA Student Chapter Event

YOU CHOOSE WE DO IT

St. JOSEPH'S COLLEGE OF ENGINEERING

St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI-119

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(ACCREDITED BY NBA SINCE 2003)


in association with


OSA Student Chapter

PRESENTS

Tech Drove 3.0

(A Project Expo for ECE Students)

 **31-10-2020**

06:00 pm - 08:00 pm 

Chief Patron

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



Patrons

Mrs. S. Jessie Priya M.Com Managing Director	Mr. B. Shashi Sekar M.Sc., INTL business Director
Dr. Vaddi Seshagiri Rao M.E, M.B.A, Ph.D Principal	Dr. B. Parvathavarthini M.E, M.B.A, Ph.D Dean (Research)

Convenors

Dr. B. Victoria Jancee M.A, Ph.D (HOD - Staff Affairs)	Dr. S. Aghalya M.A, Ph.D (HOD - Student Affairs)	Dr. P. Ezhilarasi M.E, Ph.D (HOD - Lab Affairs)
--	--	---

<u>Staff Coordinator</u>	<u>Student Coordinators</u>
Dr. B. Vasudevan M.E., Ph.D +91 9841542888	Bastin Jomics. J +91 8428782661 Abhishek. A +91 9840183955

  <https://forms.gle/Vooqg761YzXzwhAr6> **Free Registration**
E-Certificates will be provided

Report

A Project Expo for the students of ECE Department on the topic “OSA TECH DROVE 3.0” was organized by the OSA STUDENT CHAPTER on 31.10.2020 using Google meet app between 6.00 PM and 8.00 PM. The Event was presented by Mr. Bastin Jomics (OSA student chapter President) of final year and Giridharan of 3rd Year ECE Department, St. Joseph’s College of Engineering and monitored by the staff members, Mr. C Ashok and Dr. B Vasudevan. A Total of 9 Teams of around 25 students participated from various colleges including the St. Joseph’s College of Engineering. The event started by explaining the various events conducted by OSA STUDENT CHAPTER. The event started very well, with the team leaders and members giving explanation about their project. The TEAM INFINITY had done a bot which is a kind of Ship that maintains the sea, it had won the first price, The TEAM FUTURE TECHIES had deserved the second price as they had developed an app that replaces the paper receipt and invoice of what people buying, The TEAM CAPACITORS deserved the third price as they created a bot that can prevent the forest animals from vehicle accident . All the participants done their level best project. It is observed that this event was very much useful and informative for all the participants and in future many such events may be organized by the OSA STUDENT CHAPTER. E- certificates are provided to all the participants. The winners are given attractive cash price with E-certificates.


4. Workshop/Certificate Course/ Conference:****NIL******5. Webinars/FDP:****The following staff member have attended the Webinar/FDP held during the month of October 2020 at National/International Level**


S. No.	Name of the Staff	Webinar/ FDP Program	Level	Event Date
1	Dr. D. Lakshmi	FDP on Pattern Recognition using Neural Networks for Image Processing at VIT University	National	19.10.2020 – 23.10.2020

6. Publications:**The following staff members have published the research papers during the month of September 2020 in Journals/ Conferences at National/International Level**

S. No.	Name of the Author	Paper Title	Journal/Conference	Publication Details
1.	Praveen M, Vasudevan B and Ransom R	2×20 Gbit/s OFDM-based FSO transmission system for HAP-to-ground links incorporating mode division multiplexing with enhanced detection	Journal of Optical Communications	https://doi.org/10.1515/joc-2020-0071 , J. Opt. Commun. August 2020;

DEPARTMENT OF ELETRICAL AND ELECTRONICS ENGINEERING

S.No	Events	remarks
October 2020		
1	<p style="text-align: center;">FACULTY DEVELOPMENT PROGRAM</p> 	<p style="text-align: center;">Criteria 6</p> <p>Dr. M.Ramesh Babu</p> <ul style="list-style-type: none"> ➤ Attended AICTE Sponsored Six days Online Short Term Training Program on Electric Vehicle: Technologies, Challenges and Opportunities for Integration of Renewable Resources in India conducted by Department of Electronics and Instrumentation Engineering, RMK engineering college. <p>Mr.R. Elanthirayan</p> <ul style="list-style-type: none"> ➤ Participated in 3 days FDP on “intellectual property rights – emphasis on patent drafting and research innovation” from 23rd to 25th sep 2020, organized by sri venkateshwaraa college of engineering & technology, pondycherry in association with Indian society for technical education, new delhi. <p>Mr. H Umesh Prabhu</p> <ul style="list-style-type: none"> ➤ Attended AICTE Sponsored one week STTP on “ Power Electronics Based Drives and controls” held on 1/10/2020 - 06/10/2020 organized by Department of EEE “ Ram Meghe College of Engineering and Mgmt, Maharashtra. ➤ Attended ATAL FDP on IOT conducted from 12th october 2020 to 16th October 2020 organized byIIIT, KOTA <p>Mr.T.Sriananda Ganesh</p> <ul style="list-style-type: none"> ➤ Attended AICTE Sponsored One Week Online STTP on “Recent Developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grid- Series B” conducted by B V Raju Institute of Technology, Telangana during 21/09/2020 to 26/09/2020. ➤ Attended AICTE Sponsored Online Short Term Training Program Phase-III on “RENEWABLE ENERGY DEVELOPMENT IN DEREGULATED POWER MARKET: FUTURE

		<p>SCENARIO”(RDDPF-2020) Organized by JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (Autonomous), Narsampet, Warangal Rural, Telangana State, from 07/09/2020 to 12/09/2020.</p> <ul style="list-style-type: none"> ➤ Attended AICTE Sponsored One Week Short Term Training Programme on “POWER ELECTRONICS BASED DRIVES AND CONTROL” organized by Prof Ram Meghe College of Engineering and Management, Badnera-Amravati, Maharashtra held during 01/10/2020 to 06/10/2020 ➤ Attended AICTE Sponsored One Week Online STTP on “Recent Developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grid- Series C” conducted by B V Raju Institute of Technology, Telangana during 19/10/2020 to 24/10/2020. <p>Dr.P.Anbarasan</p> <ul style="list-style-type: none"> ➤ Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 21-09-2020 to 25-09-2020 at K.L.N.College of Engineering. <p>Mr.Jeyaprakash N</p> <ul style="list-style-type: none"> ➤ participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 5.10.2020 to 9.10. 2020 at University visweswaraya college of Engineering.
2		<p>Criteria 6</p> <p>Dr.V.Krishna kumar</p> <ul style="list-style-type: none"> ➤ Participated in the International Webinar on “Industrial IoT” organized by Department of Electrical and Electronics Engineering, MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai on 24/10/2020. <p>Mr.T.Sriananda Ganesh</p> <ul style="list-style-type: none"> ➤ Participated in the International Webinar on “Industrial IoT” organized by Department of Electrical and Electronics Engineering, MOHAMED SATHAK A J COLLEGE OF ENGINEERING, Chennai on 24/10/2020.

3

INTERNSHIP



II Year

Name	Start date to end date	organization name	Amount
Abinayaa Sri.T	16.09.2020 to 04.10.2020	Emcog Solutions	1350
Ananya.P.K	03/10/2020 to 07/10/2020	KaaShiv Infotech	NA
Christel Peeris.R	04/10/2020 to 08/10/2020	KaaShiv Infotech	NA
Mani Sha N	October Month	Emcog Solutions	1500

III Year

Gideon Santhosh Alexander	10/8/20 to 4/9/20	VAPL	NA
ATHITHYA R V	10/8/20 to 4/9/20	Venjay Automation	NA
Abishek Ayyappan	10/8/20 to 4/9/20	Venjay Automation	NA
Abishin AN	10/8/20 to 4/9/20	Venjay Automation	NA
Ashlin Raj V	10/8/20 to 4/9/20	Venjay Automation	NA

IV Year

Raj Krthika R	1st August to 1st November	Boozebench private limited	4000
---------------	----------------------------	----------------------------	------





4



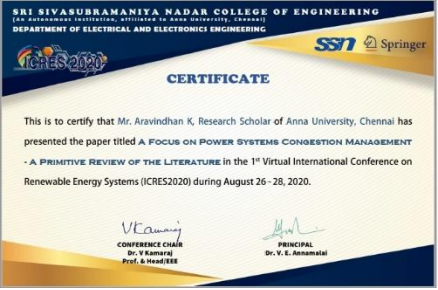

PIC: G9 St.Joseph's ENSAV club poster

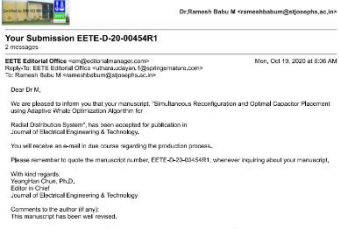

Criteria 1

Our department G9 St.Joseph's Ensav club of St.Joseph's College of Engineering has been participated in IGEN GREEN9 SDG Conclave 2020 on 02/10/2020 at 4.00 P.M to 5.00 P.M. The conclave has focused on affordable and clean energy (SDG7), Industry, Innovation & Infrastructure (SDG9) and Climate action (SDG13).



5	 <p>PIC: Department Technical quiz poster</p>	<p>Our Department of Electrical and Electronics Engineering conducted a Technical quiz for our II, III and IV year students held from 03/10/2020 to 09/10/2020.</p>
6	 <p>PIC: School event Puzzle opedia poster</p>	<p>Our department of EEE organized 3 days “PUZZLE opedia” for 11th, 12th and diploma students held from 02/10/2020 to 4/10/2020 Total No. of participants : 65</p>
7	 <p>PIC: placement technical disussion poster</p>	<p>Our department of EEE organized placement Technical Discussion for our students “Circuit Theory, Electro Magnetic Theory, Power system, Control system, Microprocessor & Microcontroller, Electrical Machines and Embedded System” by our staffs held from 07/10/2020 – 14/10/2020.</p>
8	 <p>PIC: virtual IV poster</p>	<p>Our department of EEE organized 2nd virtual industrial tour for our students “AUTOMOBILE INDUTRY” in association with STAR AUTO PRODUCTS PVT., LTD., gummidipoondi sipcot industrial estate, thiruvallur on 07/10/2020 NUMBER OF STUDENTS PARTICIPATED: 415</p>

9	 <p>PIC: online Guest Lecture poster</p>	<p>Our department of EEE organized Online Guest lecture for all engineering students on “Basics of Automation” by Mr.Ranjith kumar, Research manager, Indian oil corporation limited conducted on 10.10.2020</p>
10	 <p>PIC: ENSAVER AWARD certificate</p>	<p>Our department students Arun kumar S and Akash S awarded with GREEN9 ENSAVER AWARD 2020 for contribution towards united nation sustainable development goals7, 9 and 13 the award was constituted by energy efficiency research group affiliated to the institutions of green engineering and presented on the valedictory of IGEN-GREEN9 SDG conclave 2020 on 3rd oct2020</p>
11	 <p>PIC: SDG award certificate</p>	<p>Our department staff members Dr.Jayarama pradeep and Dr.Anbarasan.P awarded with GREEN9 SDG AWARD 2020 for contribution towards united nation sustainable development goals7, 9 and 13 the award was constituted by energy efficiency research group affiliated to the institutions of green engineering and presented on the valedictory of IGEN-GREEN9 SDG conclave 2020 on 3rd oct2020</p>
12	 <p>PIC: online Guest Lecture poster</p>	<p>Our department staff member Dr.Anbarasan.P given online Guest Lecture on “Advancement in control engineering with matlab application” for SRI RANGANATHAR INSTITUTE OF ENGINEERING AND TECHNOLOGY on 28/10/2020.</p>
13	 <p>CHAIRMAN</p>	<p>Our department staff members Dr.Jayarama Pradeep, Professor &Head – staff affairs and Dr.M.Venmathi, Associate Professor, Department of Electrical and Electronics and Engineering for receiving “AICTE Training and Learning (ATAL)- Financial Grant” towards Organizing a “Faculty Development Program” to be conducted in online mode, for 5 days.</p>

	<p>PIC: AICTE Grant circular</p>	
<p>14</p>	 <p>PIC: virtual international conference certificate</p>	<p style="text-align: right;">Criteria 3.3.4 & 3.3.5</p> <p>Our department staff member Mr.Aravindh K has presented the paper titled “a focus on power systems congestion management a primitive review of the literature” in the 1st virtual international conference on renewable energy systems(ICRES2020) during Aug 26-28, 2020.</p>
<p>15</p>	 <p>PIC: online CSIR – SRTP certificate</p>	<p>Our department staff member Dr.V.Krishnakumar has completed all requirement of the CSIR – summer research training program 2020 online during june to august, 2020 coordinated by CSIR-NEIST, jorhat.</p>

16	<p style="text-align: right;">Solid State Technology Volume: 63 Issue: 4 Publication Year: 2020</p> <p style="text-align: center;">An Intelligent Power Management Technique for a Cuk-Luo Fused converter based Solar-Wind-Battery System fed Base Transceiver Station using Embedded Controller</p> <p style="text-align: center;">M. Chilambarasan¹, M.Ramesh Babu² ^{1,2}St.Joseph's College of Engineering, OMR, Chennai, India ¹chimbun@gmail.com, ²rameshbabum@stjosephs.ac.in</p> <p>Abstract— In recent times hybrid renewable energy system based single power electronic converter is gaining interest in powering base transceiver station (BTS). In order to interface solar and wind energy sources and increase the system efficiency a novel Cuk-Luo fused DC-DC converter is proposed. Then the proposed converter is built in Matlab/Simulink and it is found that the results are encouraging in terms of less hardware complexity, compactness and higher efficiency. An mathematical model is designed to estimate the stability and controller fit for the DC-DC converter. In addition, two new control methods called embedded controller and online duty cycle estimator have been proposed to effectively share the power produced by the input sources. Also, investigation of the proposed converter to process bi-directional power of the battery is carried out. Based on availability and demand on power, battery charging or discharging should be done. For that a novel embedded control based online state of charge (SOC) estimator is proposed. The proposed intelligent controller for a stand-alone solar PV/wind/ battery hybrid system with real time wind speed and solar irradiation data collected from NASA website for a varying load demand is verified by the results of Mat lab simulations. It demonstrates the accurate operation and function. In order to verify the proposed Cuk-Luo converter, a prototype hardware is implemented and tested.</p> <p>Keywords— Cuk-Luo fused DC-DC converter; Embedded control; Intelligent power management; Steady state analysis; Small signal model; Online SOC estimator; Online duty cycle estimator; Base Transceiver Station (BTS)</p> <p style="text-align: center;">PIC: paper screen shot</p>	<p style="text-align: right;">Criteria 3.3.4 & 3.3.5</p> <p>Our department staff members Dr.M.Rameshbabu and Mr.M.Chilambarasan Published a paper titled “An intelligent power management technique for a cuk-luo fused converter base solar-wind-battery system fed base transceiver station using embedded controller” in solid state technology, volume 63, issue 4, 2020. (SCI Indexed) (Impact Factor 0.3)</p>								
17	<p style="text-align: center;">PIC: screen shot</p> 	<p style="text-align: right;">Criteria 3.3.4 & 3.3.5</p> <p>Our department staff member A paper titled "Simultaneous Reconfiguration and Optimal Capacitor Placement using Adaptive Whale Optimization Algorithm for Radial Distribution System"accepted for publication in Journal of Electrical Engineering and Technology. (SCI Indexed) (Impact Factor 0.736) (DOI: 10.1007/s42835-020-00593-5)</p>								
18		<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Students Name</th> <th style="width: 50%;">Online Course</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">II Year</td> </tr> <tr> <td>ABINAYAA SRI T</td> <td>Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech</td> </tr> <tr> <td>MOHAMED AASHIK S</td> <td>Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech</td> </tr> </tbody> </table>	Students Name	Online Course	II Year		ABINAYAA SRI T	Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech	MOHAMED AASHIK S	Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech
Students Name	Online Course									
II Year										
ABINAYAA SRI T	Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech									
MOHAMED AASHIK S	Completed an Online Course on Ethical Hacking-Fundamentals from 11.10.2020 to 15.10.2020 conducted by Promt Infotech									

	MARIA SHIRLEY JOHN L.M.	Completed an Online Course on Power Electronics from 11.10.2020 to 16.10.2020 conducted by University Of Colorado Boulder
	MANI SHA N	Completed a online course on YOU TUBE HACK by UDEMY ON 10.10.2020
III Year		
	PRIYADHARSHINI.N	Completed online course titled "introduction to IOT and embedded systems" conducted by coursera on 12th October 2020
	ILAMATHI.S	Completed online course titled "Ai for everyone" conducted by COURSERA on 02.10.2020
	RAMKUMAR S	Completed online course titled "AI for Everyone" conducted by COURSERA on 15/10/2020
	SRIRAM A	Completed online course titled "AI for Everyone" conducted by COURSERA on 18/10/2020
	SASIKKUMAR. B	Completed online course titled "Java programming-basics" conducted by COURSERA on 10/10/2020
	SEBASTIAN SUGAN GOMEZ J	Completed online course titled "Usable Security" conducted by COURSERA on 14/10/20
	SIVASUBRAMANIA N.S	Completed online course titled "Hardware Security" conducted by COURSERA on 11/10/2020
	THIRUMURUGAN S	Completed online course titled "Python for everybody" conduted by COURSERA on 10/10/2020
	SATHIYA S	Completed online course titled "Python for everybody" conduted by COURSERA
	SANTHOSH RAJ P	completed online course on app development in unschool
	SWETHA. M	Completed a guided project on "Application with Java Using Networking" conducted by COURSERA
	SAM B SAC	Completed online course titled "AWS Fundamentals" conducted by COURSERA on 12/10/2020
IV Year		
	ALRICH ROSHAN S J	Completed online course Financial Analytics, Freelance Writing, Personal & Business Development, Cisco CCNA 200-301, AWS Services
	DHANUSH P	Completed online course on NAS,Pentesting,Mobile rapid prototyping,Gardening
	NATARAJAN K	Completed online course on Data science on real life


			conducted by Coursera
19		II YEAR	
		Student Name	Webinar
		ABINAYAA SRI.T	Attended a webinar conducted by Mohammed Sathak AJ College of Engineering in the topic "ELECTRIC VEHICLE" on 10.10.2020
		MOHAMED AASHIK S	Attended a webinar conducted by Mohammed Sathak AJ College of Engineering in the topic "ELECTRIC VEHICLE" on 10.10.2020
		MARIA SHIRLEY JOHN L.M.	Attended a Webinar on The Pre Event Panel Discussion On Un Sustainable Development Goal 07 conducted by IGEN-GREEN9 CONCLAVE 2020 on 5.09.2020
		MOHAMED AASHIK S	Attended a Webinar on The Pre Event Panel Discussion On Un Sustainable Development Goal 07 conducted by IGEN-GREEN9 CONCLAVE 2020 on 5th September
		MANI SHA	Attended a Webinar on The Pre Event Panel Discussion On Un Sustainable Development Goal 07 conducted by IGEN-GREEN9 CONCLAVE 2020 on 5.09.2020
		III YEAR	
		ARVIND.G.K	Attended a webinar on Why IEEE? by IEEE SJCE SBC
		SARANARAYANAN S	Attended a webinar on "web creation for iot devices" conducted by " sky rider" on 15/10/2020
20		Student Name	Workshop Title
		MARIA SHIRLEY JOHN L M	Completed an Online Course on Arduino Virtual Workshop - Microcontroller Programming held on 14,16 and 18th of September
		MOHAMED AASHIK S	Attended the online workshop "Arduino Virtual Workshop" conducted by St.Jospeh's college of engineering on 14 th and 18 of September
		MANI SHA N	Attended the online workshop on Arduino Virtual Workshop - Microcontroller Programming held on 14,16 and 18th of September

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. N.Sri Madhava Raja	19-10-20 to 31-10-20	AICTE sponsored EDP - MACHine Learning and Deep Learning - An Application Prespective”	Sreenivasa Institute of Technology and Management Studies (SITAMS), Chitoor, AP	2 weeks	
		2.	Dr. C.N.Gnanaprakasam	19-10-2020 to 23-10-2020	ATAL sponsored FDP on “Mechatronics”	G H Patel College of Engg & Technology , Gujarat.	05	
		3.	Mr.D.Sankaran	19-10-2020 to 23-10-2020	ATAL sponsored FDP on “Mechatronics”	G H Patel College of Engg & Technology , Gujarat.	05	
		4.	Mr.N.Hariprasad	12-10-2020 to 17-10-2020	AICTE sponsored FDP on Electric Car technologies	Kamraj college of engineering	06	
		5.	Mr.A.Sadeesh Kumar	12-10-2020 to 17-10-2020	AICTE sponsored FDP on Electric Car technologies	Kamraj college of engineering	06	

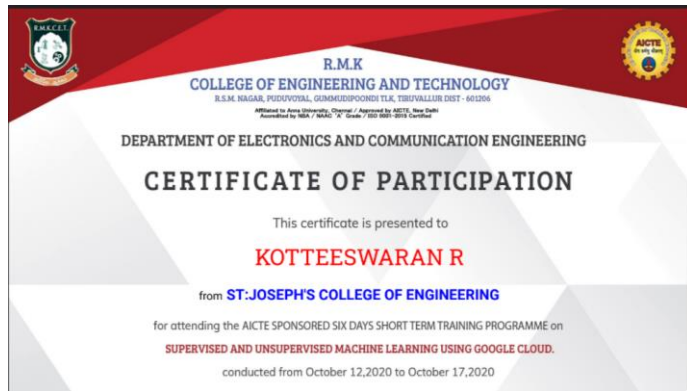
2	Publications	S.No	Faculty	Title of the paper	Date	Journal	
		1	D DINESH KUMAR	Computer Control of Non Linear Spherical tank system using Firefly and Bat Algorithm	October	Solid State Technology	
3.	Webinar/Workshop/ school event Conducted	S.NO	Date	Name of the Event	Targeted Participants	Faculty Coordinator	
		1.	02-10-2020 to 03-10-2020	Two days workshop on “Essence of Raspberry PI”	Engineering Students	Mr.D.Sankaran	
		2.	10-10-2020	Stereo Techster (EICON Club Activity)	II yr III Yr IV Yr.	Dr.G.BRindha	
		3.	17-10-2020	Sensor interfacing and microcontrollers	III Yr Students	Dr.B.Senthil Kumar Dr.V.Vijayan	
		4.	23-10-2020	How to crack GATE in first attempt	II yr III Yr IV Yr.	Dr.V.Rajinikanth	
		5.	31-10-2020	Tech Riddle	II yr III Yr IV Yr.	Dr.S.Meena Mrs. M.Nivethitha Dev	

DEPARTMENT OF INSTRUMENTAION AND CONTROL ENGINEERING

Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks
1	<p>FDP</p>  <p>The image shows a certificate from Rajalakshmi Institute of Technology (RIT) for a Faculty Development Program (FDP). The certificate is for Dr. R KOTTEESWARAN, who attended the AICTE-sponsored online short-term training program titled "Building Intelligent Applications with Deep Learning using PyTorch" from October 5th to 10th, 2020. The program was organized by the Department of Computer Science and Engineering at RIT. The certificate lists three officials: Dr. D. Jayashree (Coordinator), Dr. D. C. Joy Winnie Wise (HOD), and Dr. M. Velan (Principal). It also includes contact information for RIT and mentions that it is a system-generated certificate requiring no signature.</p>	<p>Date:5 to 10 October, 2020</p> <p>TOPIC: Building Intelligent Applications with Deep Learning using PyTorch</p> <p>Organizer: Department of CSE, Rajalakshmi Institute of Technology</p> <p>No. of Participant:01</p>

2

FDP



Date: 12 to 17 October , 2020

TOPIC: Supervised and Unsupervised Machine Learning Using Google Cloud

Organizer: RMK College of engineering and technology

No. of Participant:01

3

FDP



Date: 19 to 23 October , 2020

TOPIC: Drivers of Industry 4.0

Organizer: NITTE Meenakshi Institution of Technology, Bangalore

No. of Participant:01

4 **Webinar**



Date: October 19, 2020

TOPIC: Micro-Electromechanical Systems & Nano-Electromechanical Systems

Organizer: Kumaraguru College of Technology

No. of Participant: 01

5 **Course**



Date: October 29, 2020

TOPIC: Introduction to internet of things and embedded systems

Organizer: UCI (Coursera)

No. of Participant: 01



Date: October 29 , 2020

TOPIC: Introduction to AI



Organizer: IBM (Coursera)




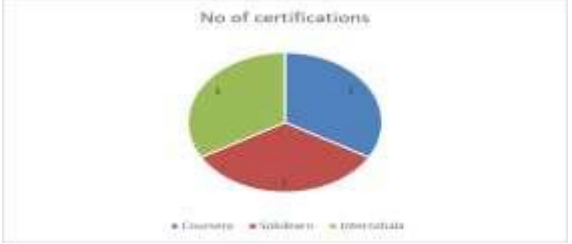
No. of Participant:01

DEPARTMENT OF MECHANICAL ENGINEERING


Sl No	Name of the Activity	Remarks
Webinars,FDPs Attended by our Staff Members		
1	Mr.M.Arun	<ul style="list-style-type: none"> ➤ Attended 6 days AICTE Sponsored STTP on “Manufacturing Applications of micromachiningwith Emphasis on Make in India” from 19/10/2020 to 24/10/2020 conducted by RMK College of Engineering and Technology.
2	Mr.T.Balasubramanian	<ul style="list-style-type: none"> ➤ Completed Coursera course, “Fundamental of Graphic Design” in association with california institute of arts 7 week course completed.
Paper Published		
3	Mr.KMB Karthikeyan Mr. T. Balasubramanian Mr. A Ruskin Bruce Mr. P.Premkumar	<ul style="list-style-type: none"> ➤ “ Pressure Vessel Design by Design by Analysis Route”,Published in IOP Conderence Series: Material Science and Engineering, Volume 923, S.no: 012020, Oct 2020

DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Events	Corresponding remarks in regarding the status of activity execution				
1	 <p style="text-align: center;">Certificate of Online Short Term Training Programme on Machine learning sponsored by AICTE</p>  <p style="text-align: center;">Certificate of FDP on Cyber Security</p>	Online FDP Attended by Faculty				
		S.No	Title of the topic	Name of the Staff	Conducted By	Date
		1.	5 days FDP on recent Technology Trends in Computers and Cyber Security	Dr. V. Muthulakshmi	Department of ECE, St. Xavier's Catholic College of Engineering, Chunkankadai.	10-10-20 to 15-10-20 (5 days)
		2.	International Online FDP on Data Science: The Future and New Technology	R. Deepa	Balaji Institute of Technology and Science in association with CSI, Telungana.	5-10-20 to 9-10-20 (5 days)
		3.	Online Short Term Training Programme on Machine Learning		Department of CSE, at Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies Faridabad, Haryana, sponsored by AICTE	12-10-20 to 17-10-20 (6 days)
		4.	STTP on an Introduction to Internet of Things(IoT) and Its Applications for Smart Transparent and Immutable Ecosystem	Dr. S. Sumathi	Department of CSE sponsored by AICTE, Noida Institute of Engineering and Technology, Greater Noida.	5-10-20 to 10-10-20 (6 days)
		5.	FDP on Cyber Security	Dr. S. Duraimurugan	AICTE, ATAL, National Institute of Technology, Nagaland	19-10-20 to 23-10-20 (5 days)

2	 <p>Certificate of Webinar on "Building Internet of Things"</p>	Webinar Attended by Faculty				
		S.No	Title of the topic	Name of the Staff	Conducted By	Date
		1.	Webinar on Building Internet of Things using Raspberry PI	Dr. L. Sherly Puspha Annabel	Department of EEE and Research & Development Section, Kings College of Engineering, Punalkulam.	22-10-20.
		2.	Webinar on Blockchain	Dr. M. Esther Hannah	Jerusalem College of Engineering	28-10-2020
3	 <p>Certificates received through online Courses</p>	Staff Online Courses				
		S. No.	Course Name	Name of the Staff	Conducted By	Date
		1.	Mathematics for Machine Learning: Multivariate Calculus	Dr. S. Sumathi	Coursera	03-10-2020
		2.	Neural Networks and Deep Learning	Dr. S. Sumathi	Coursera	13-10-2020
4		Students Online Courses				
		3 students have received online certifications from the reputed online course platforms.				
		 <p style="text-align: center;">No of certifications</p> <p style="text-align: center;"> ● Coursera ● Udacity ● Coursera </p>				

DEPARTMENT OF MATHEMATICS



Events	Remarks																									
FDP/Workshop/Conference																										
 <p style="text-align: center;">FACULTY DEVELOPMENT PROGRAM</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No</th> <th style="width: 25%;">Name of the Staff</th> <th style="width: 30%;">Topic Name</th> <th style="width: 15%;">Date</th> <th style="width: 25%;">Organized by</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Dr. H. Geetha</td> <td style="text-align: center;">Latex -Hands on Training</td> <td style="text-align: center;">01-10-2020 to 02-10-2020</td> <td style="text-align: center;">Kongu Engineering College</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Dr. P. Agilan</td> <td style="text-align: center;">Statistics Using R-Programming</td> <td style="text-align: center;">05-10-2020 to 09-10-2020</td> <td style="text-align: center;">Kongu Engineering College</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Dr. U. Venkateshwara</td> <td style="text-align: center;">Inculcating Universal Human Values in Technical Education</td> <td style="text-align: center;">19-10-2020 to 23-10-2020</td> <td style="text-align: center;">AICTE</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Mr. V. Sabarethinam</td> <td style="text-align: center;">Inculcating Universal Human Values in Technical Education</td> <td style="text-align: center;">19-10-2020 to 23-10-2020</td> <td style="text-align: center;">AICTE</td> </tr> </tbody> </table>	S. No	Name of the Staff	Topic Name	Date	Organized by	1	Dr. H. Geetha	Latex -Hands on Training	01-10-2020 to 02-10-2020	Kongu Engineering College	2	Dr. P. Agilan	Statistics Using R-Programming	05-10-2020 to 09-10-2020	Kongu Engineering College	3	Dr. U. Venkateshwara	Inculcating Universal Human Values in Technical Education	19-10-2020 to 23-10-2020	AICTE	4	Mr. V. Sabarethinam	Inculcating Universal Human Values in Technical Education	19-10-2020 to 23-10-2020	AICTE
S. No	Name of the Staff	Topic Name	Date	Organized by																						
1	Dr. H. Geetha	Latex -Hands on Training	01-10-2020 to 02-10-2020	Kongu Engineering College																						
2	Dr. P. Agilan	Statistics Using R-Programming	05-10-2020 to 09-10-2020	Kongu Engineering College																						
3	Dr. U. Venkateshwara	Inculcating Universal Human Values in Technical Education	19-10-2020 to 23-10-2020	AICTE																						
4	Mr. V. Sabarethinam	Inculcating Universal Human Values in Technical Education	19-10-2020 to 23-10-2020	AICTE																						
Publications(only published) details	<ol style="list-style-type: none"> 1. Dr.G. Purushothaman, “Interval oscillation criteria for second order nonlinear forced impulsive differential equations with damping term under variable delay”, Journal of Mathematical and Computational Science (Scopus) , ISSN: 1927-5307, Volume-10 Issue-6, page 2451-2466, October 2020, https://doi.org/10.28919/jmcs/4887. 2. Dr. N.Jose Parvin Praveena, M.U Jayanth Sastri, “Fault tree analysis of Single cylinder Vertical diesel Engine through intuitionistic Tetradecagonal Fuzzy numbers”, AIP Publishing (Scopus), ISSN: 978-0-7354, page 030115-1- 030115-9, October 2020, https://doi.org/10.1063/5.0017635 3. Mr. C.Jesuraj, Dr. N.Jose Parvin Praveena, Dr. A.Rajkumar, “Certain Aspect of Fuzzy Differential Equations in Electric Circuit Problems”, AIP Publishing (Scopus), ISSN: 978-0-7354, page 030117-1- 030117-9, October 2020, https://doi.org/10.1063/5.0017470. 4. Dr. A.Rajkumar, S.Ghousia Begum, Dr. N.Jose Parvin Praveena, “Shortest path using Dynamic Programming Through Fuzzy Numbers”, AIP Publishing (Scopus), ISSN: 978-0-7354, page 030114-1- 030114-9, October 2020, https://doi.org/10.1063/5.0017470. 																									





S. No	Name of the Staff	Topic Name	Date	Organized by
1.	Dr.V. Vallinayagm	Topic Name	Date / No of Days	Organized by
		Applications of Nature Inspired Optimization Techniques for solving Real Life Problems	08-10-2020	KPR Institute of Engineering and Technology
		Software Reliability	09-10-2020	KPR Institute of Engineering and Technology
		Linear Algebra	07-10-2020 to 09-10-2020	Rajagiri school of Engineering and Technology
		Mathematical Analysis and Probability	04-10-2020	J.K College
		Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
2	Dr. S. Annadurai	Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
3	Dr. H. Geetha	Mathematical Analysis and Probability	04-10-2020	J.K College
		Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
4	Mr. G. Venkat Narayanan	Applications of Nature Inspired Optimization Techniques for solving Real Life Problems	08-10-2020	KPR Institute of Engineering and Technology
		Software Reliability	09-10-2020	KPR Institute of Engineering and Technology
5	Ms. B. Shoba	Applications of Nature Inspired Optimization Techniques for solving Real Life Problems	08-10-2020	KPR Institute of Engineering and Technology
6	Mr.S. Manikanda Prabhu	Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
7	Mr.K. Suresh	Mathematical Analysis and Probability	04-10-2020	J.K College
		Applications of Number Theory & Algebra in Computer Science	06-10-2020	Unity Women's College
		Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
		Linear Algebra	07-10-2020 to	Rajagiri school of Engineering

			09-10-2020	and Technology
		Stochastic Process and Mathematical Modelling	14-10-2020 to 16-10-2020	Rajagiri school of Engineering and Technology
8	Dr.P. Agilan	Mathematical Analysis and Probability	04-10-2020	J.K College
		Applications of Number Theory & Algebra in Computer Science	06-10-2020	Unity Women's College
		Distributed Algorithm for optimal Dispersion on Ring in Presence of Byzantine Faults	07-10-2020	ICFAI University
		Linear Algebra	07-10-2020 to 09-10-2020	Rajagiri school of Engineering and Technology
9	Ms.K. Manasa	Disaster Resilient India 2030	10-10-2020	Sree Ayyappa College for Women
		Impact of Pandemics on Men and Women	16-10-2020	The National Institute of Disaster Management, Ministry of Home Affairs, Government of India
10	Mr.V.Sabarethinam	Constructing Multiple Choice Questions	04-10-2020	ELTAI Webinar Series 2020

DEPARTMENT OF MBA

S.No	Events	Remarks
October 2020		
1		<ul style="list-style-type: none"> ➤ Dr.S.P.Karuppiah,Dr.M.Manikandan,Dr.R.Karthick, Published a book Titled ‘Principles of Management’- LAMBERT Academic Publishing.
2		<p>Dr.S.P.Karuppiah</p> <ul style="list-style-type: none"> ➤ FDP on “Digital Marketing” conducted by All India Council For Technical Education From 10-10-2020 to 14-10-2020
3		<p>Mr.S.P.Karuppiah</p> <ul style="list-style-type: none"> ➤ Webinar on “Oracle Database and PL/SQL”, Conducted by Meerut Institute of Technology -18-10-2020 <p>Mr.S.Aravinth</p> <ul style="list-style-type: none"> ➤ Attended 1day workshop on “ Data analytics for non coders” organized by Manipal Academy of higher education, Manipal on 31.10.2020.. <p>Dr.U.Abirami</p> <ul style="list-style-type: none"> ➤ International online webinar on “Data Analytics for Non – Coders” organized by Department of Commerce, Manipal Academy of Higher Education, Manipal 31.10.2020

4		<ul style="list-style-type: none"> • Dr.K.Jawaharrani presented her paper titled Critical Analysis of Blue Ocean Principles to maximize the business opportunity and minimize the risk for the success of UBER e-Taxi in Virtual International conference on Management and Economic Growth (ICTMEG) organized by VIT, Chennai on 23rd & 24th October 2020. • Dr. Priya Sethuraman & Ms. Priya Jennifer, presented their paper titled, “Business disruption of India in global market during covid-19 and emerging business opportunities”, in Virtual International conference on Management and Economic Growth (ICTMEG) organized by VIT, Chennai on 23rd & 24th October 2020. • Dr. Priya Sethuraman & Ms. Vaishni & Ms. Oviya, presented their paper titled, “Effect of higher education on employment: An empirical analysis”, in Virtual International conference on Management and Economic Growth (ICTMEG) organized by VIT, Chennai on 23rd & 24th October 2020.
5	Resource Persons	
		<ul style="list-style-type: none"> ➤ Dr. Priya Sethuraman was a resource person for 4 days workshop organized by Madras School of Social Work, Chennai, on the topic “Data Analysis through SPSS” from 12.10.2020 to 15.10.2020.
6	Student Achievements	



SNO	NAME OF THE STUDENT	YEAR & SEC	EVENT	COLLEGE NAME
1	VAISHNI. V	2nd year B	Virtual international Multidisciplinary conference	ISNT TECH publications
2	VAISHNI. V	2nd year B	International virtual conference on contemporary practices of technology and management for economic growth (ICTMEG 2020)	VIT Business school
3	OVIYAPRIYA.K	2nd year B	International virtual conference on contemporary practices of technology and management for economic growth (ICTMEG 2020)	VIT Business school

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	Collabarative Quality initiatives with other institutions	-
1	Industrial Visits, Inplant Training, Internships	-
2	Guest Lecture	-
3	FDP/Workshop/Conference	<p>Organized:</p> <p>1. Dr. V.N. Nandini Devi, Dr. S. Kiruba, Dr. N. Punitha, Ms. A. Arulmozhi, Ms. A. Mahalakshmi organised three days online Faculty Development Program on “Frontiers of Physics in Biomedical Applications” from 19.10.2020 to 21.10.2020.</p> <hr/> <p>AICTE-ATAL FDP course:</p> <p>1. Dr. S. Suresh attended five days AICTE-ATAL online Faculty Development Program on Novel Materials conducted by Pillai College of Engineering from 05.10.2020 to 09.10.2020.</p> <p>2. Dr. N.R. Rajagopalan attended five days AICTE-ATAL online Faculty Development Program on Ethics, Moral values, Behavioural Science and Attitude conducted by College of Engineering, Trivandrum from 12.10.2020 to 16.10.2020.</p> <p>3. Ms. S. Savitha attended five days AICTE-ATAL online Faculty Development Program on Waste Technology conducted by University College of Engineering, Anna University, Trichy from 12.10.2020 to 16.10.2020.</p> <p>4. Ms. J. Sharmila attended five days AICTE-ATAL online Faculty Development Program on Waste Technology conducted by University College of Engineering, Anna University, Trichy from 12.10.2020 to 16.10.2020.</p> <p>5. Ms. S. Savitha attended five days AICTE-ATAL online Faculty Development Program on Green Technology And Sustainability Engineering conducted by Dr BR Ambedkar National Institute Of Technology, Jalandhar. from 19.10.2020 to 23.10.2020.</p> <p>6. Dr. V. N. Nandini Devi, Ms. A. Arulmozhi, Dr. N.R. Rajagopalan, Dr. S. Suresh, Ms. A. Mahalakshmi, Dr. G. Murugan, Dr. N. Punitha, Dr. A. Uma Devi, Dr. V. Swarnalatha attended five days AICTE online Faculty Development Program on Incorporating human</p>

values in education conducted by AICTE from 19.10.2020 to 23.10.2020.

Attended:

1. Dr. V. Swarnalatha attended International webinar on “Combustion Fundamentals and Propulsion Systems” conducted by SRM Institute of Science and Technology, Kattankulathur, on 02.10.20
2. Dr. S. Manikandan attended three days online Faculty Development Program on “Soft skills: Mentoring and Emotional Intelligence in Education” conducted by Bharat Institute of Engineering and Technology, Hyderabad, Telangana from 05.10.2020 to 10.10.2020.
3. Dr. P. Saravanan attended webinar on “Refresher Course on Selective Topic in Organic Chemistry” conducted by Sathyabama Institute of Science and Technology, Chennai, from 05.10.2020 to 19.10.2020.
4. Dr. V. Swarnalatha, Dr. B. Subash attended National webinar on “Phytomolecules from Traditional medicinal plants sources in the prevention and management of COVID-19” conducted by Saranathan College of Engineering, Tiruchirapalli on 08.10.2020
5. Dr. P. Krishnan, attended three days online Faculty Development Program on “Recent Trends in Atomic and Molecular Physics” conducted by Mepco Schlenk Engineering College, Sivakasi from 12.10.2020 to 14.10.2020.
6. Dr. P. Krishnan, Dr. K. Sathesh Kumar, Dr. S. Rama, Mr. S. Kaleel Mohamed Ibrahim attended five days online Faculty Development Program on “Recent trends in materials science” conducted by GMR Institute of Technology, Kakinada, from 12.10.2020 to 16.10.2020.
7. Mr. S. Kaleel Mohamed Ibrahim attended International webinar on “Impact of physics in healthcare” conducted by Maris Stella College, Vijayawada, from 14.10.2020 to 16.10.2020
8. Dr. B. Subash, Ms. J. Sharmila, Mr. S. Kaleel Mohamed Ibrahim, Mr. S.M. Prakash, Dr. V. Swarnalatha attended International webinar on “Futuristic batteries: challenges and opportunities” conducted by Saranathan College of Engineering, Trichy on 15.10.2020
9. Dr. B. Subash, Dr. K. Jayamoorthy, Dr. S. Rama attended National webinar on “Recent trends in Materials Chemistry” conducted by Rajiv Gandhi University of Knowledge Technologies, Rk Valley from 15.10.2020 to 17.10.2020
10. Ms. A. Mahalakshmi, Mr. S. M. Prakash, Mr. S. Kaleel Mohamed Ibrahim attended five

	<p>days online Faculty Development Program on “Synthesis of Advanced Materials and its Applications ” conducted by Usha Rama College of Engineering, Andhrapradesh from 15.10.2020 to 19.10.2020.</p> <p>11. Dr. V. Swarnalatha attended International webinar on “Rocket Propulsion” conducted by SRM Insitute of Science and Technology, Kattankulathur, from 15.10.2020 to 21.10.2020</p> <p>12. Dr. S. Suresh, Dr. N.R. Rajagopalan, Ms. A. Arulmozhi, Ms. A. Mahalakshmi,Dr. P. Saravanan, Dr. G. Murugan, Dr. B. Subash, Dr. P. Krishnan, Dr. K. Sathesh Kumar, Dr. S. Manikandan, Mr. S. Kaleel Mohamed Ibrahim , Dr. A. Uma Devi, Ms. S. Savitha, Dr. P. Saravanan, Dr. V. Swarnalatha, Mr. S.M. Prakash, Ms. J. Sharmila, Dr. S. Rama attended three days online Faculty Development Program on “Frontiers of Physics in Biomedical Applications” conducted by St. Joseph’s College of Engineering, Chennai from 19.10.2020 to 21.10.2020.</p> <p>13. Dr. B. Subash, Mr. S.M. Prakash, Mr. S. Kaleel Mohamed Ibrahim attended three days online Faculty Development Program on “Condensed matter physics” conducted by Jamal mohamed college, Trichy, from 19.10.2020 to 21.10.2020.</p> <p>14. Dr. S. Rama, Mr. S. Kaleel Mohamed Ibrahim attended five days online Faculty Development Program on “Recent trends in Advanced Materials and Applications” conducted by The national institute of Engineering, Mysuru from 19.10.2020 to 23.10.2020.</p> <p>15.Mr. S.M. Prakash attended National webinar on “Recent Developments in Nano Technology and its Applications” conducted by Government Arts College for Women – Nilakottai on 21.10.2020</p> <p>16. Dr. B. Suabsh, Mr. S.M. Prakash attended National webinar on “Organic Synthesis and Research Publication” conducted by Annamalai University – Chidambaram on 22.10.2020</p> <p>17. Dr. V. Swarnalatha attended International webinar on “Industrial IoT” conducted by Mohamed Sathak A J College of Engineering, Chennai on 24.10.2020</p> <p>18.Mr. S.M. Prakash attended National webinar on “How to Become a Student Entrepreneur” conducted by Anna University – Chennai from 27.10.2020 to 29.10.2020</p> <p>19.Mr. S.M. Prakash attended National webinar on “National Education Policy in the light of Science Education in India” conducted by Indraprastha Vigyan Bharati (VIBHA). On 28.10.2020</p>
--	--

		<p>20. Dr. K. Sathesh Kumar attended International webinar on “Role of Functional Nano Materials for combating COVID -19 pandemic” conducted by Government V.Y.T. PG Autonomous college Drug, Chattisgarh from 29.10.2020 to 30.10.2020</p> <p>21. Dr. S. Manikandan attended National webinar on “Vision Future' Computer Science Advancements in other Disciplines” conducted by Sathyabama Institute of Science and Technology, Chennai on 31.10.2020</p> <p>22. Dr. A. Uma Devi attended webinar on “Weblogs Catechism-Unity in Diversity” conducted by National Engineering College, Kovilpatti on 31.10.2020</p>
4	Symposium	-
5	STTP	1. Mr. S. Kaleel Mohamed Ibrahim attended an online short term training program on “Harmony in workplace: effective interpersonal and communication skills” conducted by Sri Venkateswara engineering college, Tirupathi from 26.10.2020 to 31.10.2020
6	Value added Courses/Courses other than VAC	-
7	Competitions attended by students	-
8	Awards/Prize won by students	-
9	Industrial Projects done by students	-
10	Publications(only published) details	Dr. S. Suresh and Dr. K. Jayamoorthy, published a paper titled Synthesis, spectral, thermal studies and dielectric behavior of functionalized TiO ₂ -loaded diglycidyl epoxy nanocomposite film. In Polym. Bull. (2020). https://doi.org/10.1007/s00289-020-03362-6
11	Funded Projects	-
12	Other activities(if any)	<p><u>PROGRAMS CONDUCTED FOR SCHOOL / COLLEGE STUDENTS</u></p> <p>1. The Department of Science conducted an online e-quiz program titled “logo hunt and Celebrity recognition ” for school students on 02.10.2020 and 04.10.2020.</p> <p>2. The Department of Science conducted an online competition titled “skillathon” for school students from 09.10.2020 to 11.10.2020.</p>