




St. Joseph's College of Engineering

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



JANUARY 2021

DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>AWARDS/PRIZE WON BY STUDENTS</p>  <p style="text-align: center;">CHAIRMAN</p>	<p>Ms. Pavithra Sree D, Ms. Pooja Nirali and Mr. Alfred Francis P J have participated in the National Level Hackathon 2021 on the title Ointment Formulation for Acne & Anti scarring using Trash Fish organized by BITS Pilani - BioNEST BIRAC and Centre for Innovation Incubation & Entrepreneurship of K K Birla Goa Campus held between 26th - 28th January 2021 and won Third place with cash prize Rs. 5000/-</p>

PUBLICATIONS(ONLY PUBLISHED) DETAILS



2.

Process optimization, green chemistry balance and technoeconomic analysis of biodiesel production from castor oil using heterogeneous nanocatalyst

R. Naveenkumar, G. Baskar*

Department of Biotechnology, St. Joseph's College of Engineering, Chennai 600119, India

Prabha et al., *IJPSR*, 2021; Vol. 12(1): 183-187.

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IJPSR (2021), Volume 12, Issue 1

(Research Article)



Received on 24 December 2019, received in revised form, 24 May 2020, accepted, 28 May 2020, published 01 January 2021

EVALUATION OF PROTECTIVE EFFECT OF AQUATIC WEED *HYDRILLA VERTICILLATA* AGAINST LEAD INDUCED ACUTE LIVER TOXICITY IN FISH

S. Pandi Prabha^{*1}, C. Karthik² and G. Shanmuga Priya¹

Department of Biotechnology¹, Sri Venkateswara College of Engineering, Sriperumbudur Taluk, Chennai - 602 117, Tamil Nadu, India.

Department of Biotechnology², St. Joseph's College of Engineering, OMR Road, Semmancheri, Chennai - 600119, Tamil Nadu, India.

Dr. C. Karthik & Ms. Caroline D G has published journal paper on the title "Synthesis, characterization of Ag-SiO₂ nanocomposite and its application in food processing" in the international journal of inorganic and organometallic polymers and materials

Dr. G. Baskar has published paper on the title "Process optimization, green chemistry balance and technoeconomic analysis of biodiesel production from castor oil using heterogeneous nanocatalyst" in the Journal *Bioresource Technology*.

Dr. C. Karthik has published journal paper on the title "Evaluation of protective effect of aquatic weed *Hydrilla verticillata* against lead induced acute liver toxicity in fish" in the *International Journal of Pharmaceutical Sciences and Research*.

STAFF CONFERENCE PRESENTATION



Dr. Chamundeeswari copy of certificate

3.

- **Dr. M. Chamundeeswari** has presented paper on the title Biosynthesis of Carbon Quantum dots for Spirulina plantensis for Malachite Green dye degradation - An eco friendly approach in the 5th International conference BEST organized by Department of Biotechnology, Aruni Engineering College during 29th - 30th January, 2021.
- **Dr. G. Baskar** has chaired a session in the 5th International conference BEST organized by Department of Biotechnology, Aruni Engineering College during 29th - 30th January, 2021.
- **Ms. B Sangeetha** has participated in the AICTE sponsored online STTP on Functional Metagenomics and Bioprocessing of Therapeutic Enzymes organized by the department of Biotechnology, Sri Venkateswara College of Engineering from 4th to 9th January, 2021.
- **Dr. C. Karthik** has successfully complete ATAL academy online FDP on Green Technology & Sustainability Engineering from 11th to 15th January 2021 at Motilal Nehru National Institute of Technology, Allahabad.
- **Dr. C. Karthik** has successfully complete ATAL academy online FDP on computer science & biology from 18th to 22nd January 2021 at Malaviya National Institute of Technology, Jaipur.
- **Ms. Caroline D G** has successfully complete ATAL academy online FDP on Green Technology & Sustainability Engineering from 11th to 15th



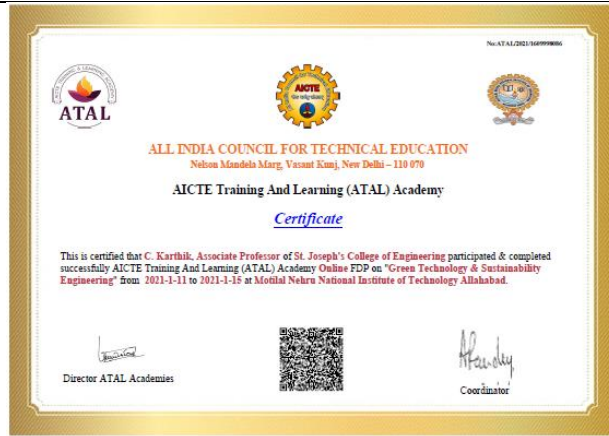
Dr. Baskar copy of certificate



Ms. Sangeetha copy of certificate

January 2021 at Motilal Nehru National Institute of Technology, Allahabad.

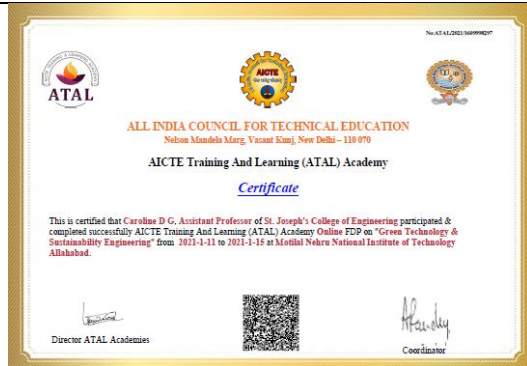
- **Ms. Caroline D G** has successfully complete ATAL academy online FDP on computer science & biology from 18th to 22nd January 2021 at Malaviya National Institute of Technology, Jaipur.
- **Ms. Geerthika** has successfully complete ATAL academy online FDP on Capacity Building of Women in Higher Education from 25th - 29th January 2021 at SRM Institute of Science and Technology.
- **Ms. Geerthika** has successfully complete ATAL academy online FDP on Green Technology & Sustainability Engineering from 11th to 15th January 2021 at Motilal Nehru National Institute of Technology, Allahabad.



Dr. Karthik copy of certificate



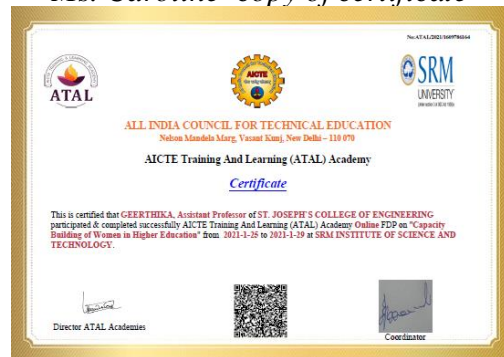
Dr. Karthik copy of certificate



Ms. Caroline copy of certificate



Ms. Caroline copy of certificate



Ms. Geerthika copy of certificate

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. Student Achievements:

ASEAN-INDIA HACKATHON


S. No.	Name of the Student	Mentors	Details
1	Mr. B. Harishkumar Final Year - ECE	Dr. P.Ezhilarasi HOD Lab Affairs – ECE Dr. S. Rajesh Kannan Associate Professor – ECE Dr. A K P Kovendan Assistant Professor - ECE	This international Hackathon is an initiative by Hon'ble Prime Minister of India to seek solutions for the issues across 10 ASEAN countries during 1 st - 3 rd February 2021. He has been selected one among 330 international students by AICTE-MHRD Officials. He will partnering with 05 other country's team members to find technology solutions on "Enhancing Coastal Security" under International mentorships

2. Institution Interaction with other Affiliated Colleges/Universities


The following staff member have participated in the events conducted by other Institutions/Universities during the month of January 2021.

S. No.	Name of the Staff	Event Details	Univeristy/College Name	Contribution	Date of the Event
1.	Dr. B. Victoria Jancee	TECHNOCRAT'21 - 2.0 ,National Level Virtual Paper Presentation	Jeppiaar Institute of Technology, Chennai	As a Judge	23.01.2021
2.	Dr. D.Lakshmi	TEQIP III BPUT, Odisha Sponsored Online Training Programme on Machine Learning on Optoelectronic based Fluoride Sensor	GITA, Bhubaneswar	As a Resource Person	13.01.2021
2.	Dr. Shirley Selvan	Pattern Recognition- Elsevier Journal	-	As a Reviewer	22.01.2021











DEPARTMENT OF MECHANICAL ENGINEERING


Sl No	Name of the Activity	Remarks
1		<ul style="list-style-type: none">➤ Ford India Pvt. Ltd. has given a Ford Ecosport Car to our college, for Educational Purposes under their Corporate Social Responsibility Activities. We are thankful to Ford India Pvt. Ltd for their contribution towards “Taking Education Further”
2	M BAJA Virtual Race	<ul style="list-style-type: none">➤ Our Aurelian Racing Team comprising 25 Member from Final, Third and Second year students for Securing 29th position all over India and 4th position State level for the Virtual BAJA SAEINDIA 2021 from 12th to 13th December 2020, Organized by BAJASAE INDIA. They have qualified for the Mechanical division of BAJA SAE INDIA 2021 main event in the month of March 2021(Tentative).


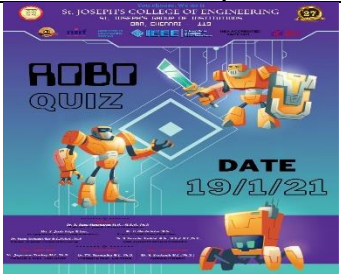
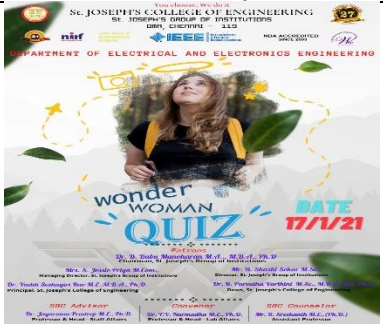
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	<p style="text-align: center;">ATAL FDP – Online Faculty Development Programme</p> 	<p>Date : 18.01.2021 – 22.01.2021</p> <p>Venue : Online mode</p> <p>Nature of Event : Faculty Development Programme</p> <p>Participants : Faculties throughout India</p> <p>No. of participants : 169</p> <p>Objective: Increased Internet penetration has given exponential rise in sophisticated attacks on Information Technology (IT) infrastructure. Attackers are gaining access to sensitive information like credit card details and other financial information. In order to make our IT infrastructure resilient against these threats, there is a need for cutting-edge Research and Development efforts in Cyber Security. Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks. This programme will explore the challenges of bolstering cyber security and the technologies, policies and management strategies that agencies can use to attain their security goals and also give directions to research opportunities</p> <p>Outcome: The programme equips the faculties, how to protect our computer system and mobile phones from attackers. It also given the research areas related to cyber security</p>

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.N o	Events	remarks						
1	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Final Year EEE Students</th> <th style="text-align: center;">Prize Details</th> <th style="text-align: center;">Faculty Mentor</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  Kumaran M.S.  Hounandan R.  Prahatheesh B. </td> <td style="text-align: center;"> Technovation Hackathon Category : Smart City Title : SMART SAFETY, SECURITY & SURVEILLANCE Second Place Rs. 20,000/- Cash Prize Out of 256 Teams </td> <td style="text-align: center;"> Dr. Jayarama Pradeep HOD Staff affairs Department of EEE </td> </tr> </tbody> </table> <p style="text-align: center;"><i>PIC: prize winners photos</i></p>	Final Year EEE Students	Prize Details	Faculty Mentor	 Kumaran M.S.  Hounandan R.  Prahatheesh B.	Technovation Hackathon Category : Smart City Title : SMART SAFETY, SECURITY & SURVEILLANCE Second Place Rs. 20,000/- Cash Prize Out of 256 Teams	Dr. Jayarama Pradeep HOD Staff affairs Department of EEE	<p>Our department students got Second Place in National level TECHNOVATION HACKATHON organized by Greater Noida - Industrial Development Authority in collaboration with SHARDA University, Uttar Pradesh held on 26th - 27th January 2021.</p>
Final Year EEE Students	Prize Details	Faculty Mentor						
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2	<h3 style="margin: 0;">FACULTY DEVELOPMENT PROGRAM</h3> 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 30%; vertical-align: top;"> Dr.M.Ramesh Babu </td> <td style="vertical-align: top;"> FDP Attended AICTE Sponsored Six days Online Short Term Training Program on The Role of Smart Grids on Loss Reduction and Rural Electrification conducted by Department of Electrical and Electronics Engineering, New Horizon College of Engineering during 4th - 9th January 2021. </td> </tr> <tr> <td style="vertical-align: top;"> Dr.V.Krishna kumar </td> <td style="vertical-align: top;"> FDP Attended AICTE Sponsored Six days Online Short Term Training Program on The Role of IOT in Renewable Energy Resources driving Power Grid conducted by Department of Electrical and Electronics Engineering, New Horizon College of Engineering during 18th - 23th January 2021. </td> </tr> </tbody> </table>	Dr.M.Ramesh Babu	FDP Attended AICTE Sponsored Six days Online Short Term Training Program on The Role of Smart Grids on Loss Reduction and Rural Electrification conducted by Department of Electrical and Electronics Engineering, New Horizon College of Engineering during 4th - 9th January 2021.	Dr.V.Krishna kumar	FDP Attended AICTE Sponsored Six days Online Short Term Training Program on The Role of IOT in Renewable Energy Resources driving Power Grid conducted by Department of Electrical and Electronics Engineering, New Horizon College of Engineering during 18th - 23th January 2021.		
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		<p>Mr.T.Sriananda Ganesh</p>	<p>FDP</p> <ol style="list-style-type: none"> 1. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2021-01-04 to 2021-01-08 at JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, Belagavi. 2. Successfully Completed NPTEL- AICTE Faculty Development Programme on Control Engineering. 3. Successfully Completed NPTEL- AICTE Faculty Development Programme on Introduction to Smart Grid. <p>ONLINE COURSE</p> <ol style="list-style-type: none"> 1. Successfully Completed NPTEL Online Certification Course on Signals and Systems. 2. Successfully Completed NPTEL Online Certification Course on Analog Circuits.
		<p>Dr.P.Anbarasan</p>	<p>FDP</p> <p>Successfully Completed NPTEL- AICTE Faculty Development Programme on Electric Vehicles - Part I.</p>
<p>3</p>	 <p>PIC: IEEE Event poster</p>	<p>Our Electrical and Electronics Engineering department in association with IEEE SBC organized an JUST A MINUTE contest under IEEE Power Electronics Society for the IEEE students. Students were given topics on spot and were asked to present their ideas related to it. The event was conducted on 18th January 2021. Nearly 45 students participated in it and got benefited. E-Certificates are distributed to the winners.</p>	

4	 <p>PIC: IEEE Event poster</p>	<p>Our Electrical and Electronics Engineering department in association with IEEE SBC organized a CIRCUIT DEBUGGING contest under IEEE Industrial Applications Society for the IEEE students to build their practical knowledge in the field of electrical circuits, interactive rapid questions were conducted live in google meet on 20th January 2021. About 40 students participated in it and got benefited. E-Certificates are distributed to the winners.</p>
5	 <p>PIC: IEEE Event poster</p>	<p>Our Electrical and Electronics Engineering department in association with IEEE SBC organized a ROBO QUIZ contest under IEEE Robotics and Automation Society for the IEEE students to develop the concepts of building robots. In their second round students were asked to build a robot. This event was conducted on 19th January 2021. About 48 students participated in it and got benefited. E-Certificates are distributed to the winners.</p>
6	 <p>PIC: IEEE Event poster</p>	<p>Our Electrical and Electronics Engineering department in association with IEEE SBC organized an WONDER WOMAN QUIZ contest under IEEE Women In Engineering Affinity Group for the IEEE students. Students were asked questions in the field of women's safety and women empowerment. The second round was carried out by talk by the participants. The event was conducted on 17th January 2021. Nearly 38 students participated in it and got benefited. E-Certificates are distributed to the winners.</p>

7

PIC: STTP poster

Our department of EEE organized STTP for our III year students for HCL placement drive by our staffs held from 18/01/2021 – 24/1/2021.

8




PIC: arts with hearts event poster





Our department of EEE organized an online drawing competition named Arts with hearts had been conducted from 21/01/2021 to 27/01/2021. Around 25 students of X, XI, XII from various schools had been participated in this online drawing competition. They showed their talent under the theme To save mother Earth. This competition was conducted in association with Ensav club got recognition award to IEEE student branch of St. Joseph's college of engineering in appreciation to IEEE student branch activities during the year 2020



9




PIC: IEEE event poster

Our department IEEE SBC - St. Joseph's College of Engineering organized an Essay writing competition for 10th, 11th and diploma students to mainly to improve their writing skills from 21 Jan to 27 Jan 2021.

10	 <p>PIC: placement event poster</p>	<p>Our department placement coordinators organized Just code it – make it work, make it right, make it fast coding practice test series –II for our final year students from 20th to 29th jan 2021</p>
11	 <p>PIC: project presentation poster</p>	<p>Our department EEE organized A project review presentation for final years was conducted on 20&21st January 2021 from 3 to 5 pm. There were total of 88 batches of students with maximum of 2 members per batch. The review was conducted by set of panel members arranged by project coordinator under the guidance of Department head for staff affairs. The panel members reviewed the batches allotted to them and the report of same was maintained by panel members.</p>
12	 <p>PIC: Renew energy renew planet event poster</p>	<p>Our department organized a event relay on “Renew energy renew planet” for our students to motivate renewable energy needs in Google meet on 11th Jan 2021.</p>

13	 <p>IEEE PEDES 2020 CERTIFICATE OF PARTICIPATION</p> <p>This is to certify that the paper entitled "Stator Notching Design of Permanent Magnet Brushless DC Motor to Mitigate the Cogging Torque" authored by <i>Aditya Periasamyam, C. V. Krishnakumar and Dhanushvaran, R</i> has been presented in the 9th IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2020), organized at Malaviya National Institute of Technology Jaipur, Rajasthan, India from 16th to 19th December 2020.</p> <p>Dr. Rajesh Kumar General Chair, PEDES</p> <p>Dr. Akshay Rathore General Chair, PEDES</p> <p><i>PIC: participation certificate</i></p>	Our staff member Dr.V.Krishnakumar presented paper entitle “ stator notching design of permanent magnet brushless dc motor to mitigate the cogging torque” in the 9 th IEEE international conference on power electronics, drives and energy systems organized at malaviya national institute of technology jaipur, from 16 th Dec to 19 th dec 2020.			
14		Student Name	Year	Course Name	
		Jesse S	II	Completed online course titled "The fundaketing-Google Digital unlocked " on 03-12-2020	
		N Mani Sha	II	Completed online course titled "Internet of Things" conducted by Coursera on 23.1.2021	
		YOGESH S N	IV	Doing Online Training titled " Ethical Hacking" provided by Internshala	
		VASANTH RAJ R	IV	Completed "Java Training" conducted by SOLOLEARN on 21-04-2020	
15		Student Name	Year	Webinar	
		VASANTH RAJ R	IV	1)Attended webinar on "Learning IEEE" conducted by IEEE SBC of SJIT 2)Attended webinar on "Artificial Intelligence" conducted by IEEE SBC of SJIT 3)Attended webinar on "Exploring Grants Funding Award and Scholarships in IEEE" conducted by IEEE webinar series	
16		Student Name	from date- to date	Company Name	Pay Package
		HerenaJoshika A S	Dec 14- Jan 13	Hamaripahchan NGO	Based on performance
		AKASH S	Dec 28(2020) to Mar 27(2021)	L&T	No Stipend

17	 <p>PIC: application screenshot</p>	Our department HOD Dr.Jayaramapradeep got grant from AICTE Quality Improvement Schemes (AQIS) as a part of its functions provides financial assistance to our Institutions for improvement in quality of education.																						
18	 <p>E-Motivational Talk - II for Pre-Final Year</p> <p>To act is to grow, to grow is to win, to win is to lead, to lead is to serve. A motivational talk of the students, for the students, by the students.</p> <p>"To grab a job is your prime job now..."</p> <p>"A kickstart to a glorious journey begins here"</p> <p>"Wish you all the best"</p> <p>It is scheduled to have an E-Motivational Talk</p> <p>12th January 2021 5.00 Pm to 7.00 Pm</p>	Our department organized E-Motivational talk – II for our pre-final year students by our students “to grab a job is your prime job now...” “a kickstart to a glorious journey begins here” on 12 th jan 2021																						
19	<p>Placement Details for month Jan2021</p>	<table border="1"> <thead> <tr> <th>REG NO</th> <th>NAME</th> <th>PLACED COMPANY</th> </tr> </thead> <tbody> <tr> <td>312317105044</td> <td>DURGA DINAKARAN</td> <td rowspan="3">ACCENTURE</td> </tr> <tr> <td>312317105072</td> <td>JENNIFER DANIA THIRAVIAM</td> </tr> <tr> <td>312317105143</td> <td>SELVARANI S</td> </tr> <tr> <td>312317105104</td> <td>NATRAJAN S</td> <td>Department of Posts, Government of India.</td> </tr> <tr> <td>312317105035</td> <td>DENNIS CHRISTOPHER MICHAEL</td> <td rowspan="3">INFOSYS</td> </tr> <tr> <td>312317105049</td> <td>GAYATHRI BABU</td> </tr> <tr> <td>312317105082</td> <td>KAMALEE R</td> </tr> </tbody> </table>	REG NO	NAME	PLACED COMPANY	312317105044	DURGA DINAKARAN	ACCENTURE	312317105072	JENNIFER DANIA THIRAVIAM	312317105143	SELVARANI S	312317105104	NATRAJAN S	Department of Posts, Government of India.	312317105035	DENNIS CHRISTOPHER MICHAEL	INFOSYS	312317105049	GAYATHRI BABU	312317105082	KAMALEE R		
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		312317105044	DURGA DINAKARAN	
		312317105050	GAYATHRI SARAVANAN	
		312317105063	HOUNANDAN RAVICHANDRAN	
		312317105137	SANTHOSH S	
		312317105143	SELVARANI S	
		312317105107	NIRMITHA ARUMUGAM PILLAI JAYA	
		312317105113	PAVITHRA KALAIVANAN	
		312317105086	KARUNYA D	Welkinz organizations
20	   <p>ST. JOSEPH'S COLLEGE OF ENGINEERING ST. JOSEPH'S GROUP OF INSTITUTIONS JEPPIAAR EDUCATIONAL TRUST ORIG. CHRS. of 188</p> <p>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PLACEMENT ORIENTATION TALK FOR PRE-FINAL YEAR STUDENTS DATE: 09.01.2021 TIME: 5 PM</p> <p>AGENDA</p> <ol style="list-style-type: none"> Talk by TQDA Director & Coordinator - 4 PM TO 4:30 PM Agenda of the meeting - 4:30 PM TO 4:45 PM Overview of Placement Functions - 4:45 PM TO 4 PM <ul style="list-style-type: none"> Deep - Bayhous Training Intellect - Intellect Training Strategic - Intellect Vertical - Oracle, ADF, AT Assessment Devolution - Oracle, ADF, AT Assessment Introduction of Companies to participate - 4 PM TO 4:30 PM <ul style="list-style-type: none"> Vertical - Intellect Intellect - Oracle, Jovian, CES Devolution - Intellect Deep - Intellect, Intellect Strategic - Intellect, Intellect Guests who will be joined with the panel - 4:30 PM TO 4:45 PM <ul style="list-style-type: none"> Deep - How to give an interview with regard to placement Intellect - How to give an interview with regard to placement Strategic - How to give an interview with regard to placement Vertical - How to give an interview with regard to placement Some important points to be followed - 4:45 PM TO 4:50 PM <ul style="list-style-type: none"> Agree your resume before you give an interview Do not give an interview to avoid by mistake Really consider the details of the business of the company to be applied, correctly in the placement or interview Do not give an interview opportunity. Don't think what the company has a function or feature. Always look at the skills and experience which you can develop from the company Closure of meeting by Staff - 4:50 PM to 7 PM <p>HOD/EEE</p>	Our department organized placement orientation talk for pre-final year students date: 09.01.2021 time: 5 pm by our studnts		

21




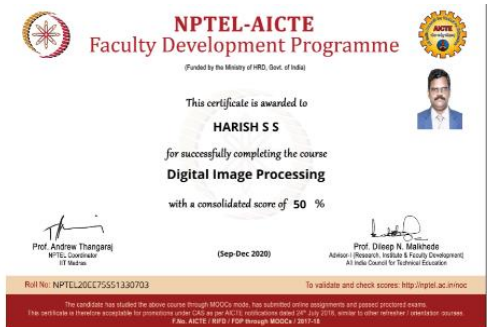
Our department staff Dr.P.Anbarasan “IT embedded system design using MSP430™ MCU MOOC” got certification of appreciation for fostering the ecosystem bridging government, academia and industry



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. R. Sivakumar	30th Jan 2021	IIot and cloud technologies in healthcare	ISA South India.	1
		2.	Dr. V. Rajinikanth	9th and 10th January, 2021	Network Simulator (NS2)- Tools & Applications (Workshop)	NITK-STEP	2
		3.	Dr.Senthil Kumar B	11-01-2021	Python and its Use in IoT	AICTE sponsored STTP- Gyan Ganga Institute of Technology and Sciences	6
		4.	Mr.A.Sadeesh kumar	19th to 23rd january	ATAL FDP on Computer Science & Biology	AICTE Training And Learning (ATAL) Academy- Malnad College of Engineering	5
		5.	Ms. Kirthini Godweena A	18-22/1/2021	Artificial Intelligence and Machine Learning	AICTE Training And Learning (ATAL) Academy - MVJ college of Engineering	5
		6.	Ms. Kirthini Godweena A	4-8/1/2021	Control Systems & Sensors Technology	AICTE Training And Learning (ATAL) Academy - Government Engineering College Thrissur	5
		7.	Mrs.M.Angelin Ponrani	25th to 29th January	ATAL FDP on Internet of Things(IoT)	AICTE Training And Learning (ATAL) Academy- Kongunadu College of	5

					Engineering and Technology	
2	Publications	S.No	Faculty	Title of the paper	Date	Journal
		1	Dr. R. Sivakumar	Automated detection of plasmodium species using Machine-Learning technique	Jan 2021	Evolutionary Intelligence https://doi.org/10.1016/j.ijid.2020.09.514
		2	Dr. V. Rajinikanth	Evaluation of brain tumor using brain MRI with modified-moth-flame algorithm and Kapur's thresholding: a study	Jan 2021	Evolutionary Intelligence, https://doi.org/10.1007/s12065-020-00539-w
		3	Dr. V. Rajinikanth	A Deep-Learning system to classify Lung X-ray images into Normal/Pneumonia class	Jan 2021	International Journal of Infectious Diseases https://doi.org/10.1016/j.ijid.2020.09.543
		4	Dr. N. Sri Madhava Raja	Evaluation of brain tumor using brain MRI with modified-moth-flame algorithm and Kapur's thresholding: a study	Jan 2021	Evolutionary Intelligence, https://doi.org/10.1007/s12065-020-00539-w .
		5	Dr. K. Palani Thanaraj	Tinnitus: A Tingling Mystery to be Decrypted	Jan 2021	The Open Neuroimaging Journal, DOI: 10.2174/1874440002013010037

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

Sl. No.	Photographs Captured During Events	Corresponding remarks (Minimum 300 words)
1	<p>Webinar</p> 	<p>Date:31 December, 2020</p> <p>TOPIC: Artificial Intelligence and Block Chain Technology</p> <p>Organizer: Bangalore Institute of Technology</p> <p>No. of Participant:01</p>
2	<p>FDP</p> 	<p>Date: 1 September , 2020 to 30 December 2020</p> <p>TOPIC: Digital Image Processing</p> <p>Organizer: NPTEL</p> <p>No. of Participant:01</p>

3	<p>FDP</p>  <p>NPTEL-AICTE Faculty Development Programme <small>(Funded by the Ministry of HRD, Govt. of India)</small></p> <p>This certificate is awarded to HARISH S S for successfully completing the course Training of Trainers with a consolidated score of 66 %</p> <p><small>Prof. Andrew Thangaraj NPTEL Coordinator IIT Madras</small> <small>(Sep-Dec 2020)</small> <small>Prof. Dileep N. Mallikarjuna Advisor (Research, In-Situ & Faculty Development) All India Council for Technical Education</small></p> <p><small>Roll No: NPTEL20MG64581330610 To validate and check scores: http://npTEL.ac.in/moc</small></p> <p><small>The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. The certificate is therefore acceptable for promotion under Rule 2(b) of the AICTE Regulations dated 01.03.2016, unless to other manner / alternative source. F.No. AICTE / RFP / FDP through MOOCs / 2017-18</small></p>	<p>Date: 1 September , 2020 to 30 December 2020</p> <p>TOPIC: Training of Trainers</p> <p>Organizer: NPTEL</p> <p>No. of Participant:01</p>
4	<p>FDP</p>  <p>NPTEL-AICTE Faculty Development Programme <small>(Funded by the Ministry of HRD, Govt. of India)</small></p> <p>This certificate is awarded to HARISH S S for successfully completing the course Designing learner-centric e-learning in STEM disciplines with a consolidated score of 62 %</p> <p><small>Prof. Andrew Thangaraj NPTEL Coordinator IIT Madras</small> <small>(Sep-Oct 2020)</small> <small>Prof. Dileep N. Mallikarjuna Advisor (Research, In-Situ & Faculty Development) All India Council for Technical Education</small></p> <p><small>Roll No: NPTEL20GE19531330417 To validate and check scores: http://npTEL.ac.in/moc</small></p> <p><small>The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. The certificate is therefore acceptable for promotion under Rule 2(b) of the AICTE Regulations dated 01.03.2016, unless to other manner / alternative source. F.No. AICTE / RFP / FDP through MOOCs / 2017-18</small></p>	<p>Date: 1 September , 2020 to 30 December 2020</p> <p>TOPIC: Designing of learner centric elearning in STEM disciplines</p> <p>Organizer: NPTEL</p> <p>No. of Participant:01</p>

5

Workshop



Date: 9 January 2020

TOPIC: Design validation through various model

Organizer: Tagore Institute of Engineering and Technology



No. of Participant:01

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	FDP/Workshop/Conference	<p>AICTE-ATAL FDP course:</p> <p>1. Dr. S. Suresh attended five days AICTE-ATAL online Faculty Development Program on Green Technology & Sustainability conducted by Motilal Nehru National Institute of Technology Allahabad from 11.01.2021 to 15.01.2021.</p> <p>Other programs attended:</p> <p>1. Mr. S. Kaleel Mohamed Ibrahim attended National webinar on “Language, literature and media” conducted by St. Joseph's Arts and Science college, Calicut, from 04.01.2021 to 06.01.2021.</p> <p>2. Dr. N.R. Rajagopalan attended National webinar on “Utility of N-Halo compounds in Chemistry Research” conducted by Arasu Engineering College, Kumbakonam on 06.01.2021.</p> <p>3. Dr. V.N. Nandini Devi, Dr. G. Murugan, Dr. A. Uma Devi, Dr. B. Subash, Mr. S.M. Prakash, Dr. S. Rama, Dr. K. Jayamoorthy, Mr. S.Kaleel Mohamed Ibrahim attended National webinar on “Emerging materials for solar energy conversion” conducted by Sethu Institute of Technology, Virudhunagar on 12.01.2021.</p> <p>4. Dr. N.R. Rajagopalan attended National webinar on “Importance of Intellectual Property Rights and Filing” conducted by Arasu Engineering College, Kumbakonam on 12.01.2021.</p> <p>5. Mr. S. Kaleel Mohamed Ibrahim attended National webinar on “New generation Nuclear reactors” conducted by ST. Anne's Degree college for women, Halasure, on 12.01.2021.</p> <p>6. Dr. V.N. Nandini Devi, Dr. G. Murugan, Dr. A. Uma Devi, Dr. B. Subash, Dr. K. Jayamoorthy, Dr. S. Suresh, attended National online seminar on “Emerging trend in Materials Science” conducted by Kings Engineering College, Chennai on 23.01.2021.</p> <p>7. Mr. S. Kaleel Mohamed Ibrahim attended National webinar on “Gender Issues in Society: Myths and Reality.” conducted by Govt. girls P.G. college Ratiam, (M.P), on 25.01.2021.</p> <p>8. Mr. S. Kaleel Mohamed Ibrahim attended International webinar on “The implementer role of chemical and biological sciences in conflict contrary to Covi-19” conducted by J. M Bohra Commerce Degree college, Shorapur, Yadgir -karnataka, on 30.01.2021.</p>
2	Publications(only published) details	K. Jayamoorthy, P. Saravanan, S. Suresh, , Chapter 6 - Metal Oxide Nanomaterials for Sensor

	Applications, Metal Oxide Nanocomposites: Synthesis and Applications, https://doi.org/10.1002/9781119364726.ch6 , 2021 Scrivener Publishing LLC, Online ISBN: 9781119364726
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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 Online FDP on Online FDP on Data Sciences sponsored by ATAL Academy</p>	Online FDP Attended by Faculty				
		S.No	Title of the topic	Name of the Staff	Conducted By	Date
		1.	Online FDP on Data Sciences	Ms. Kripa Sekaran	University of Science and Technology, Cochin sponsored by ATAL Academy	7-1-21 to 11-1-21 (5 days)
		2.	Online FDP on Artificial Intelligence from 2021-1-18 to 2021-1-22 at	K. Deepa M. Poornima	College of Engineering and Technology, IILM Academy of Higher Learning sponsored by ATAL Academy	18-1-21 to 22-1-21 (5 days)
		3.	STTP on Green IOT for Smart Environment	J. Divya	Department of CSE, Panimalar Institute of Technology sponsored by AICTE	4-1-21 to 9-1-21 (6 days)
		4.	STTP on Supporting Open Technologies for Deployed Artificial Intelligence	Dr.Lilly Raamesh	Department of ECE, PSR Engineering College, Sivakasi	27-10-20 to 2-11-20 (6 days)
2	 <p style="text-align: center;">Certificate Online Webinar organized by Child Centric Disaster Risk Reduction Centre, National Institute of Disaster Management, Ministry of Home Affairs, Government of India.</p>	Webinar Attended by Faculty				
		S.No	Title of the topic	Name of the Staff	Conducted By	Date
		1	Webinar on Suicide Prevention: Addressing Deep Rooted Mental Health Challenges	G. Lathaselvi	Child Centric Disaster Risk Reduction Centre, National Institute of Disaster Management, Ministry of Home Affairs, Government of India.	13-1-2021

L. Sherly Puspha Annabel, Kripa Sekaran., published a **Book Chapter** in Internet of Things: Integration and Security Challenges

Sl. No.

Photographs Captured During Events


Corresponding remarks in regarding the status of activity execution

3




Online Courses Attended by Faculty



S.No	Course Name	Name of the Staff	Conducted By	Date
1.	Introduction to Internet of Things	Dr. V.Muthu Lakshmi Ms. G. Lathaselvi Dr. D. Logeshwari Dr. M. Anbu Dr. P. Kalaivani Dr. C. HeltinGenitha Dr. A. Tamizhselvi	NPTEL	20.12.2020
2.	Business Analytics & Text Mining Modeling Using Python	Dr. M. Esther Hannah		18.12.2020
3.	Introduction to Analysis and Algorithms	Dr. L. Sherly Puspha Annabel		19.12.2020
4.	Principles of Management			20.12.2020
5.	Big Data Computing	Dr. S. Duraimurugan Dr. N. Gobalakrishnan Ms. S. Ancy		18.12.2020
				20.12.2020
6.	Problem solving through Programming In C	Dr. S. Duraimurugan		19.12.2020
7.	Data Structures and	Dr. S. Duraimurugan	20.12.2020	

	<p align="center">Certificates received through online courses</p>	<table border="1"> <tr> <td data-bbox="680 191 772 232"></td> <td data-bbox="772 191 1142 232">Algorithms using JAVA</td> <td data-bbox="1142 191 1562 232">Dr. K. Suresh</td> <td data-bbox="1562 191 1770 232"></td> <td data-bbox="1770 191 1940 232"></td> </tr> <tr> <td data-bbox="680 232 772 269">8.</td> <td data-bbox="772 232 1142 269">Software Engineering</td> <td data-bbox="1142 232 1562 269">Ms.Kripa Sekaran</td> <td data-bbox="1562 232 1770 269"></td> <td data-bbox="1770 232 1940 269">20.12.2020</td> </tr> </table>		Algorithms using JAVA	Dr. K. Suresh			8.	Software Engineering	Ms.Kripa Sekaran		20.12.2020
	Algorithms using JAVA	Dr. K. Suresh										
8.	Software Engineering	Ms.Kripa Sekaran		20.12.2020								
4	 <p align="center">N. Gopalakrishnan et al., published a Book Chapter in Emerging Technologies in Engineering Research, Technical Research Publications</p>	<p align="center">(Staff Publication)</p> <p>D. Bhuvana Suganthi, N. Gopalakrishnan, A. Chinnaamy, V. V. Satyanarayana Tallapragada, “Edge Computing”, Emerging Technologies in Engineering Research, Chapter 20, Technical Research Publications, ISBN: 978-93-5419-211-1 (Online), Jan 2021.</p> <p>Abstract: Recently, the Edge computing worldview has picked up significant fame in scholastic and modern circles. It fills in as a crucial empowering influence towards some, upcoming innovations such as 5G, Internet of Things (IoT), increased authenticity also vehicle-to-vehicle interchanges through interfacing cloud computing offices as well as administrations towards the end-clients. The Edge computing worldview gives little dormancy, portability, also area mindfulness backing toward interruption-touchy application. Critical examinations are completed into the zone of Edge computing, that has been evaluated regarding most recent advancements, e.g., Mobile Edge Computing, Cloudlets, as well as Fog computing, bringing about furnishing specialists by further understanding to the current arrangements as well as upcoming application. This chapter has been intended toward fill in like a complete review of late progressions into Edge computing featuring the center application. This additionally talks about the significance of Edge computing, within actuality, situations in which reaction time comprises the principal necessity of some application. The chapter finishes up with recognizing the necessities and talks about open examination challenges in Edge computing.</p>										

DEPARTMENT OF MBA

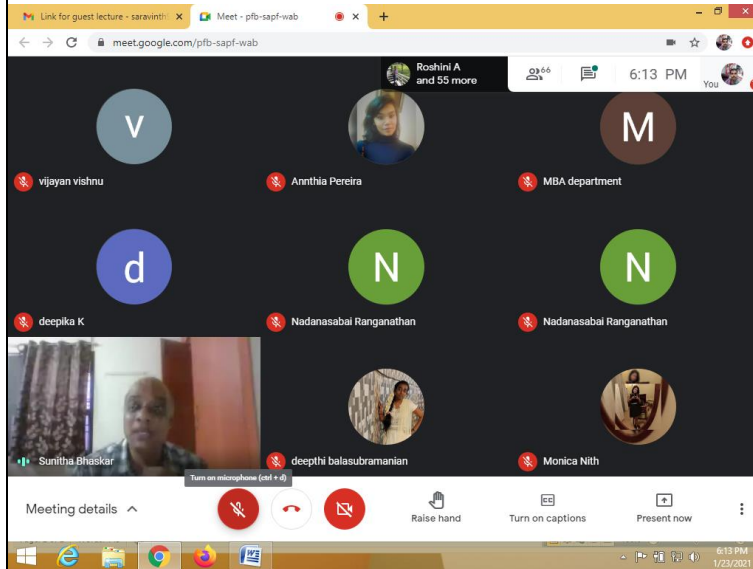
S.No	Events	Remarks
January 2021		
1		<p>Dr.K.Jawahar Rani</p> <ul style="list-style-type: none"> ➤ National level certification course on “Entrepreneurship Development” organised by Acharya Institute of Graduate Studies.
		<p>Dr .S.P.Karuppiah</p> <ul style="list-style-type: none"> ➤ FDP on “Management Information System” conducted by All India Council for Technical Education (ATAL) From04-01-2021 to 08-01-2021 ➤ FDP on “Decision thinking” conducted by All India Council for Technical Education (ATAL) From18-01-2021 to 22-01-2021
2		<p>Dr .S.P.Karuppiah</p> <ul style="list-style-type: none"> ➤ Webinar on “INTELLECTUAL PROPERTY ASPECTS & FUTURE OPPORTUNITIES “Conducted by Meerut Institute of Technology,Meerut, Uttar Pradesh on 24-01-2021



Dr.R.Sundari

- Participated in 2 days “Workshop on Understanding and Filing Intellectual Property Rights” organized by Scrollwell EduTech LLP on January 27 - 28, 2021.

Guest Lecture



**Topic: Understanding the role of an MBA from industry perspective
On 23.01.2021**

Guest Speaker: Mr.R.Bsakar, Director IBS training & Education , Former General Manager KIML

It was really an enlightening and entertaining presentation on - MBA and How to generate business ideas. It provided us with various information regarding how and what we ought to do in the future as an MBA and also the different practical implications in this field. We also were provided with various real-life examples and situations through which we were able to gain knowledge. This session also helped us to see the reality of this field and how we have to go about and what are the various ways of tackling different given situations. Not only that we were also guided through the various important interview questions that might/would be asked at our interviews in the future and we were able to know how to answer them if asked, which I personally found very useful. Lastly, we were provided with an open session where we were able to ask questions and clarify our doubts if any which was also very helpful to us.

DEPARTMENT OF CHEMICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Corresponding remarks
1	Publication	<ul style="list-style-type: none">• Ms Sivaranjane R Published a paper on A review on cleaner approach for effective separation of toxic pollutants from wastewater using carbon Sphere's as adsorbent: Preparation, activation and applications. Journal of Cleaner Production 291:125911. https://doi.org/10.1016/j.jclepro.2021.125911• Ms B Senthil Rathi published a paper on A review on effective removal of emerging contaminants from aquatic systems: Current trends and scope for further research. Journal of Hazardous Materials. https://doi.org/10.1016/j.jhazmat.2020.124413• Mr Vinod Kumar published a paper on Novel Integrated Ultrafiltration and Reverse Osmosis System in High Quality Drinking water Production. ORIENTAL JOURNAL OF CHEMISTRY