





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



DEPARTMENTWISE MONTHLY ACTIVITY REPORT-November 2019

DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>SHORT TERM TRAINING PROGRAM</p> 	<p style="text-align: center;">SHORT TERM TRAINING PROGRAM</p> <p>In association with BRSI-Unit and ISTE Chapters of St. Joseph's College of Engineering, we have organized The All India Council for Technical Education, New Delhi sponsored six days Short Term Training Program on “Prospects and Challenges in Biofuels and Bioenergy” from 11th to 16th November, 2019. This Short Term Training Program on Prospects and Challenges in Biofuels and Bioenergy (STTP-PCBB 2019) was mainly focused on technological development in the areas of biodiesel, bioethanol, biogas, biohydrogen, energy from microbial fuel cell and other renewable bioenergy for better</p>

	<p><i>Release of AICTE-STTP-PCBB 2019 Proceedings at the Inaugural session by Chief Guest Dr. V. Sivasubramanian.</i></p>	<p>environment and benefit of society for global prosperity.</p> <p>The program was inaugurated by Dr. V. Sivasubramanian, Director, Phycospectrum Environmental Research Centre; on 11th November 2019, and delivered a lecture on “Integration of algae biomass production for bio-fuels with waste water treatment”.</p> <p>This STTP had 21 invited lectures from eminent scientists, academicians from leading educational institutions and research organizations. Also practical demonstration of various biofuels production technology was given. A Total of 45 participants from various colleges have attended the program and hostel accommodation and travelling allowance were provided.</p>
<p>2.</p>	<p style="text-align: center;">COMPETITIONS ATTENDED BY STUDENTS</p> <div style="text-align: center;">  </div>	<p style="text-align: center;">COMPETITIONS ATTENDED BY STUDENTS</p> <p>Ms. Grace Lydia Phoebe M, II M. Tech Biotechnology, has presented a poster titled "Bioethanol Production from Residual Biomass of Marine Macroalgae Using Cellulase Produced from <i>Trichoderma reesei</i>" in the International Conference on New Horizons in Biotechnology (NHBT-2019) jointly organized by CSIR-National Institute of Interdisciplinary Science and Technology & The Biotech Research Society, India at</p>

Certificate of Participation for the event Poster Presentation



Certificate of Participation for the event Poster Presentation.



Thiruvananthapuram during **November 20-24, 2019**

Ms. Rakavi C S, II M. Tech Biotechnology, has presented a poster titled "Extraction and Characterization of Keratin Microparticles From Poultry Waste and Their Potential Biomedical Applications" in the **International Conference on New Horizons in Biotechnology (NHBT-2019)** jointly organized by **CSIR- National Institute of Interdisciplinary Science and Technology & The Biotech Research Society, India** at Thiruvananthapuram during **November 20-24, 2019**

Ms. Ramyaa K S T, II M. Tech Biotechnology, has presented a poster titled "Anticancer Activity of *Calotropisprocera* Latex- Asparaginase Bio-conjugate against Brain and Blood Cancer Cells" in the **International Conference on New Horizons in Biotechnology (NHBT-2019)** jointly organized by **CSIR- National Institute of Interdisciplinary Science and Technology & The Biotech Research Society, India** at Thiruvananthapuram during **November 20-24, 2019**.

Certificate of Participation for the event Poster Presentation.

AWARDS / PRIZE WON BY STUDENTS

BEST PAPER AWARD



Ms. Shirley Riksy receiving Best Paper Award for Paper Presentaion

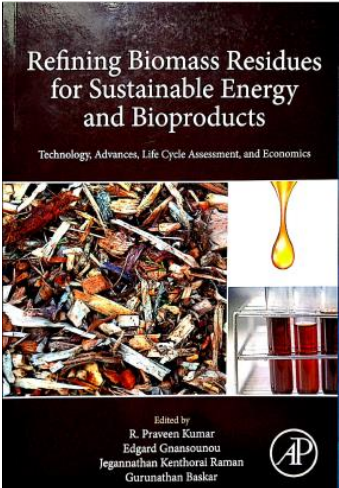
3.

AWARDS / PRIZE WON BY STUDENTS

BEST PAPER AWARD

Ms. Shirley Riksy of II year M. Tech Biotechnology has attended the **National Level Symposium BIONICS'19** organized by BRIC Association from Department of Biotechnology, **Periyar Maniammai Institute of Science & Technology**, Thanjavur, India on 10th& 11th October, 2019.

She had presented paper entitled as "Enhancement of soil moisture and drought tolerance in *Oryza sativa* using natural source" and won **Best Paper** with **Cash Prize Rs. 1000/-**

	<p align="center">PUBLICATIONS(ONLY PUBLISHED) DETAILS</p> <p align="center">BOOK PUBLISHED</p>	<p align="center">BOOK PUBLISHED</p>
<p align="center">4.</p>	 <p align="center"><i>Outer Cover of Book Published by Dr. G. Baskar</i></p>	<p>Dr. G. Baskar has published book titled “Refining Biomass Residues for sustainable Energy and Bioproducts”, Published by Academic Press an imprint of Elsevier.</p> <p>Dr. G. Baskar, Ms. G. Kalavathy and Ms. Aiswarya R has published a book chapter on the title “A Biorefinery approach towards development of renewable platform chemicals from sustainable biomass” in the book titled “Refining Biomass Residues for sustainable Energy and Bioproducts”, Published by Academic Press an imprint of Elsevier.</p>
<p align="center">5.</p>	<p align="center">FUNDED PROJECTS</p>	<p align="center">FUNDED PROJECTS</p> <p align="center">Department of Science and Technology</p> <p>Dr. M. Chamundeeswari has received a Project Grant of Rs. 28,75,816/- from the Department of Science and Technology, New Delhi for the project titled “Carbon Quantum dots from microalgae for organic dyes degradation in industrial waste water – A novel approach”.</p>

Department of Science and Technology

DST/TMD(EWO)OWUIS-2018/RS-08 (G)
 Government of India
 Ministry of Science & Technology
 Department of Science & Technology
 Technology Mission Division (EWO)

ST. JOSEPH'S COLLEGE OF ENGINEERING
 NOV 21 2019
 CHENNAI - 600 110.
 New Mellan Road
 New Delhi - 110 016
 Date: 16.10.2019

ORDER

Sub: Financial approval for establishment of proof-of-concept project entitled "Carbon quantum dots from microalgae for organic dyes degradation in industrial waste water-A novel approach" under guidance of Dr. M. Chamundeeswari, Department of Biotechnology, St. Joseph's College of Engineering, Sholinganallur, Chennai, Tamil Nadu - regarding release of 1st instalment of the grant.

Sanction of the President is hereby accorded to the above said project at a total cost of Rs. 28,75,816/- (Rupees twenty eight lakh seventy five thousand eight hundred and sixteen only) with DST share of Rs. 26,75,816/- (Rupees twenty six lakh seventy five thousand eight hundred and sixteen only) and Industry contribution of Rs. 2,00,000/- (Rupees two lakh only) for a duration of 2 years. The items of expenditure for which total allocation of Rs. 28,75,816/- has been approved for a period of two years are given below:

General Component: DST - Rs. 17,75,816/-
 Industry - Rs. 2,00,000/-
 Capital Component: Rs. 9,00,000/-

Budget head	Contribution by	Amount in Rs.		
		1 st year	2 nd year	Total
Non-Recurring(A)				
Equipment				
TOC Analyser	DST	8,00,000	-	8,00,000
Prototype design and fabrication	DST	1,00,000	-	1,00,000
Small reactor unit				
Subtotal Non-Recurring		9,00,000	-	9,00,000
Recurring(B)				
Manpower (as per DST norms) IRF	DST	4,61,280	4,61,280	9,22,560
(1 @ 1,000-31,000) 24%IRA				
Consumables	DST	80,000	80,000	2,10,000
	Industry	50,000		
Work to be Outsourced	DST	1,50,000	1,00,000	4,00,000
	Industry	1,00,000	50,000	
National Travel		50,000	50,000	1,00,000
Contingencies	DST	50,000	50,000	1,00,000
Overhead Charges		1,99,128	74,128	2,43,256
Subtotal Recurring	DST	9,60,408	8,15,408	17,75,816
	Industry	1,50,000	50,000	2,00,000
Subtotal		11,10,408	8,65,408	19,75,816
Total(A+B)		20,10,408	8,65,408	28,75,816
DST Contribution		18,60,408	8,15,408	26,75,816
Industry Contribution		1,50,000	50,000	2,00,000

2. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

Contd to page 2/-

1


Dr. M. Chamundeeswari Funded Project Grant Letter

**OTHER ACTIVITIES
STAFF AWARD**



Prof. S B Chincholkar Memorial Award

6.



Dr. G. Baskar receiving Prof. S B Chincholkar Memorial Award at the International Conference on New Horizons in Biotechnology (NHBT-2019), Thiruvananthapuram

**OTHER ACTIVITIES
STAFF AWARD**

The Biotech Research Society, India is a non-profit, scientific, professional society dedicated to promote excellence and competence in the field of biotechnology for the benefit of mankind.

Prof. SB Chincholkar Memorial Award is for Members of BRSI above the age of 40 years involved in Research and Development in the area of **Food / Agriculture Biotechnology / Bioenergy** for outstanding contribution.

Dr. G. Baskar from the Department of Biotechnology, St. Joseph's College of Engineering has received **Prof. SB Chincholkar Memorial Award** of the year 2018 for his outstanding contribution in research areas of Bioenergy and food biotechnology at the **International Conference on New Horizons in Biotechnology (NHBT-2019)** jointly organized by **CSIR- National Institute of Interdisciplinary Science and Technology & The Biotech Research Society, India** at Thiruvananthapuram during **November 20-24, 2019**.

		<p>The award carries Memento, certificate, citation and Rs 25,000 cash.</p>
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International Conference on
New Horizons in Biotechnology
(NHBT 2019)

November 20-24, 2019, Thiruvananthapuram, Kerala, India



CERTIFICATE



This is to certify that Dr. G. Baskar, St. Joseph's College of Engineering,
Chennai, India has participated and presented an oral presentation entitled
Mitigation of acrylamide in fried chips using fungal asparaginase

in the International Conference on
New Horizons in Biotechnology (NHBT- 2019) jointly organized by CSIR-National Institute for Interdisciplinary
Science and Technology, and the Biotech Research Society, India, at Thiruvananthapuram, India, during
November 20-24, 2019


Dr. Rajeev K. Sukumaran
Co-convenor


Dr. Binod P.
Co-convenor


Dr. K. Madhavan
Co-convenor

CONFERENCE PRESENTATION

Dr. G. Baskar certificate of presentation for invited lecture.

CONFERENCE PRESENTATION

Dr. G. Baskar has presented his research work titled "Mitigation of acrylamide in fried chips using fungal asparaginase" for a session on November 22, 2019 in the **International Conference on New Horizons in Biotechnology (NHBT-2019)** jointly organized by **CSIR-National Institute of Interdisciplinary Science and Technology & The Biotech Research Society, India** at Thiruvananthapuram during **November 20-24, 2019**

STTP PRESENTATION

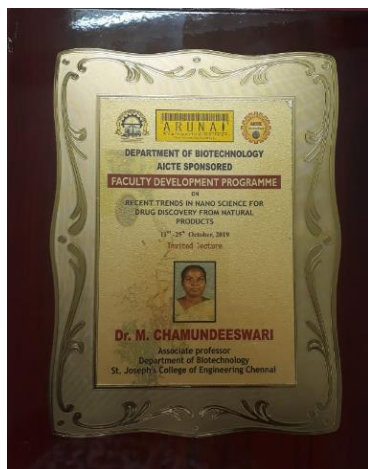


Ms. Kalavathy certificate of presentation for invited lecture.

STTP PRESENTATION

Ms. G. Kalavathy has presented her research work titled "Biofuel Production from Marine Macroalgae" for a session on November 11, 2019 in the **All India Council for Technical Education, New Delhi** sponsored six days Short Term Training Program on "Prospects and Challenges in Biofuels and Bioenergy", Organized by the Department of Biotechnology, **St. Joseph's College of Engineering, Chennai** during November 11-16, 2019.

FDP PRESENTATION



Dr. M. Chamundeeswari award for invited lecture

FDP PRESENTATION

Dr. M. Chamundeeswari has presented invited lecture on the topic "Nanoparticles from natural source as MRI contrast agent and Therapeutic agent for targeted drug delivery in Cancer therapy" in a session on October 19, 2019 in the **All India Council for Technical Education, New Delhi** sponsored Two week Faculty Development Program on Recent Trends in Nano science for drug discovery from natural products, organized by the Department of

Biotechnology, **Arunai College of Engineering**,
Thiruvannamalai, India during October 11-25, 2019.

SHORT TERM TRAINING PROGRAM



Ms. S. Yuwvaranni certificate for participation in STTP.

SHORT TERM TRAINING PROGRAM





Ms. S. Yuwvarannai has attended the **All India Council for Technical Education, New Delhi** sponsored 6 days AQIS Short Term Training Program on Advances in Bio and Food Products Manufacturing and Shelf Life Extension organized by Department of Food Technology, **Kongu Engineering College**, Tamilnadu during November 11-16, 2019.

DEPARTMENT OF CIVIL ENGINEERING

S.No.	Title of the Events and Photographs	Details of the Event
1.	FDP/Workshop/Conference	<ol style="list-style-type: none"> 1. Mr.S.P.Senthilkumar, Ms.S.Supriya and Ms.P.Padmapriya attended Practical Training on Geo synthetics and Special Concrete during 18th Nov 2019 to 22nd Nov 2019 at SRM Institute of Science and Technology, Kattankulathur . 2. Dr.S.Saravanapriya attended a seven days Anna University Sponsored Faculty Development Programme on “Engineering Mechanics” held at St.Joseph’s Institute of Technology during 10 - 16 November 2019. <p>Ms.S.Banupriya, Mr.P.Sri Balaji and Ms.R.Ruthra attended a seven days TEQIP III Sponsored Faculty Development Programme on “Disaster Risk Management” held at PSG College of Technology during 10 - 16 November 2019.</p>
2.	NPTEL Courses	<p>NPTEL Courses</p> <ol style="list-style-type: none"> 1. Dr.S.Saravanapriya and Ms.S.BanuPriya has secured Elite+Gold grade in four week NPTEL course on “Geotechnical Engineering Laboratory” 2. Dr.S.Saravanapriya and Ms.S.Banupriya has secured Elite+Gold grade in four week NPTEL course on “Geosynthesis Laboratory” 3. Ms.R.Ruthra has secured Elite grade in four week NPTEL course on “Geotechnical Engineering Laboratory” 4. Ms.R.Ruthra has secured Elite+Silver grade in four week NPTEL course on “Geosynthesis Laboratory” 5. Mr.P.Sri Balaji has secured Elite+Silver grade in four week NPTEL course on “Geotechnical Engineering Laboratory”

S.No.	Title of the Events and Photographs	Details of the Event
3.	Paper Published	1. Dr.Vijai K has published a paper titled “ Effect of aspect ratio and volume fraction of steel fibres in strength properties of Geopolymer Concrete ” in <i>International Journal of Innovative Technology and Exploring Engineering</i> , Vol 9, Issue 1, November 2019 (Scopus Indexed)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	<p style="text-align: center;">NPTEL Examination</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">  <p style="text-align: center;">This certificate is awarded to D. ROSY SALOMI VICTORIA for successfully completing the course Object Oriented Analysis and Design</p> <p style="text-align: center;">with a consolidated score of 85 % Online Assignments 22.13/25 Proctored Exam 63/75</p> <p style="text-align: center;">Total number of candidates certified in this course: 213</p> <p style="text-align: center;">Aug-Oct 2019 (8 week course)</p> <p style="text-align: center;">Prof. Aditya Goswami Dean, Continuing Education & NPTEL Coordinator of Kharagpur</p> </div> <div style="width: 45%;">  <p style="text-align: center;">This certificate is awarded to VINU S for successfully completing the course Introduction to Internet of Things</p> <p style="text-align: center;">with a consolidated score of 77 % Online Assignments 23.91/25 Proctored Exam 53.57/75</p> <p style="text-align: center;">Total number of candidates certified in this course: 7675</p> <p style="text-align: center;">Jul-Oct 2019 (12 week course)</p> <p style="text-align: center;">Prof. Aditya Goswami Dean, Continuing Education & NPTEL Coordinator of Kharagpur</p> </div> </div> <p>Dr.B. Parvathavarthini Dr.G.Mariakalavathy Dr.G.Murugesan Dr.M.P.Rajakumar Dr.D.Rosy Salomi Victoria Dr.R.Pugalenth Dr.A.Sheryl Oliver</p> <p>Dr.M.Anuradha Dr.J.Ramya Dr.N.Angel Mr.N.Manikandan Ms.S.Shalini Mr.R.Ranjith Mr.S.Vinu</p>	<p><i>NPTEL</i> provides <i>E-learning</i> through <i>online Web</i> and <i>Video courses</i> various streams. The objective of enabling students obtains certificates for a course is to make students employable in the industry or pursue a suitable higher education programme. Through an online portal, 4-, 8-, or 12-week online courses, typically on topics relevant to students in all years of higher education along with basic core courses in sciences and humanities with exposure to relevant tools and technologies, are being offered. The enrolment to and learning from these courses involves no cost. Following these online courses, an in-person, proctored certification exam will be conducted and a certificate is provided through the participating institutions and industry, when applicable. Most of the staffs from the department have been written NPTEL examination. Dr.D.Dosy salomi Victoria and Mr.S.Vinu received elite and silver medal. Others are waiting for result</p>
2	<p style="text-align: center;">Ph.D Viva voce</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>Two of the research scholar under the supervision of Dr.G.Mariakalavathy completed their Ph.D. viva voce during this month research work namely J.Jeba Johannah with the title of Investigations on Upgrading Power Reduction Techniques for VLSI based Computational circuits and Mr.S.Nagarajan with the title of advanced III-V compound semiconductor based HEMT for high power and RF application</p>
3	<p style="text-align: center;">FDP Attended by faculty members</p>	<p>Faculty Development programs strengthen the professional</p>



development of the faculty members and administrators who deal directly with students. The major goal is to help educators increase the effectiveness of their teaching, especially in undergraduate programs, so that they are better able to guide students on journeys of inquiry and discovery. Few staff members from the department have been participated in the faculty development training programs and technical training programs organized by reputed engineering colleges throughout Tamil Nadu.

4 TN Police Hackathon



The Tamil Nadu police, in association with IIT-Madras, will hold a hackathon for students and professionals, a first-of-its-kind event at the DGP Office in Chennai. Over 1,348 registrations have come in and 200 teams will make it to the final round that will take place on November 23. “Participants will be given problems for which they need to find a solution,” a police officer, in-charge of the initiative said. The long term idea is to create an army of cyber experts who can solve issues pertaining to cybercrime. Our students Mr.Alvis from IIIyr has been shortlisted for the final round.

5 AICTE Vishwakarma Award

The AICTE Vishwakarma Awards 2019 is being organised

Inviting applications for

AICTE Vishwakarma Awards 2019

Award Categories:-

CATEGORY I: Chhatra Vishwakarma Awards(CVA)
- For Outstanding Innovative Teams

CATEGORY II: Utkrishi Sansadhan Vishwakarma Award(USVA) - For Exemplary Institutional Intervention

Theme of the Award:
"How to enhance the income of Village"

Portal Opens

Chhatra Vishwakarma Awards - 30th Sep 2019
Utkrishi Sansadhan Vishwakarma Award - 10th Oct 2019

Portal Closes


Chhatra Vishwakarma Awards - 30th Sep 2019
Utkrishi Sansadhan Vishwakarma Award - 10th Oct 2019

The detailed guidelines / Concept note is available at
<https://www.aicte-india.org/sites/default/files/Guidelines_CVA_2019.pdf>

For any detail contact at vishwakarmaaward@aicteindia.org or Call at 011-29581033/32

by All India Council for Technical Education (AICTE) for promoting the innovative spirit and scientific temperament for the holistic development of society through the stakeholders of its approved institutes. Aswin Kumar and team from II year has been shortlisted for AICTE Vishwakarma Award. They developed a three minutes video for final round selection process

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

S.No.	Title of the Events and Photographs				Details of the Event
1.	S.No	Name of the Student	Year/Section	Name of the Company	Students of Electrical and Electronics Engineering placed in IBM in the month of November 2019.
	1	Madhumitha N	IV/B	IBM	
	2	Priyadharshini S	IV /C	IBM	
	3	Ramya Rajalakshmi	IV/C	IBM	
2.					<p>Bengalathon, a National level Hackathon was conducted by West Bengal Government, in association with NASSCOM and Weber, an opportunity for the engineering students/technical professionals/common citizens to become aware of IT applications and contribute to ideas or prototypes that will help shape the long-term policies of the government.</p> <p>In Bengalathon event about 800 teams registered and 100 teams (77 teams from North India and 23 teams from South India) have been selected. Our team Steffi Joseph T (IV EEE D) & Anne Jenefer P (IV EEE A), Hounandan R, Kumaran MS, Prahatheesh B from 3rd year EEE-B, mentored by Dr.Jayarama Pradeep is one among the 23 teams selected from South India. The final round was held on October 31st in 10,000 Startups, NASSCOM, TIDEL Park, Tharamani, Chennai.</p>
3.	Students Name	Year/Sec	Project Title		Students of Electrical and Electronics Engineering who got selected for Indovator Award 2019 (Indovator Awards recognises young innovators developing solutions for India's sustainable future)
	Sowmiya M	IV EEE D	Exact Detection of Accident Place and Ambulance Rescue		
	Madhu Preetha S	II EEE B			
	Krishaa P R	II EEE B			

Pic:Students Presenting their Project in Bengalathon Competition

S.No.	Title of the Events and Photographs				Details of the Event
			System		
	MeenuPreethi K Jeevitha Magdalene J Hari Rajan K Jeeva C S	IV EEE B IV EEE B IV EEE B IV EEE B	Innovation to Sanitation Through Empathetic design		
	Dennis Christopher Micheal Alrich Roshan Celestine Raj Dhanush P	III EEE A III EEE A III EEE A III EEE A	Solar Hydroconverter		
4.		S.No	Name of the Student		Students of III year Electrical and Electronics Engineering have got shortlisted for pre- final year HCL placement training in month of November 2019.
		1	Deepa J		
		2	Hounandan R		
		3	Durga D		
		4	Ganapathy M		
		5	Devendiran S		
5.	Name of the Staff	Title of the Program	Organized by	Our staff member of Electrical and Electronics Engineering had participated various events like workshop / STC / online course in the month of November 2019	
	Dr.Jayarama Pradeep	Internet of Things (29 Oct – 2Nov)	(one week workshop) Anna University CEG campus		
	Mr.R.Sreekanth & Mr.S.Nishant	Internet Of Things:Concepts & Implementation (Nov 15-19)	(AICTE Sponsored short term course) Indian Institute of Information technology ,Design & Manufacturing,Kancheepuran Chennai		
	Mr.R.Elanthirayan	MATLAB for Power Electronics	Udemy online course		

S.No.	Title of the Events and Photographs			Details of the Event																																							
		:Simulation and Analysis																																									
	Dr.N.Chidambararaj and Mr.Aravindhan	Recent trends in Condition Monitoring of Power Apparatus Adaptability to Smart Grid (N)	(a short term training program) Indian Institute of Technology Madras																																								
6.	<table border="1"> <thead> <tr> <th data-bbox="254 565 506 602">Staff Name</th> <th data-bbox="506 565 827 602">NPTEL Course Name</th> <th data-bbox="827 565 1148 602">Awards</th> </tr> </thead> <tbody> <tr> <td data-bbox="254 602 506 683">Dr.Jayarama Pradeep</td> <td data-bbox="506 602 827 683">1.Fundamentals of Electric Drives</td> <td data-bbox="827 602 1148 683">Elite with Silver</td> </tr> <tr> <td data-bbox="254 683 506 721">Dr.T.V.Narmadha</td> <td data-bbox="506 683 827 721">2.Stress Management</td> <td data-bbox="827 683 1148 721">Elite</td> </tr> <tr> <td data-bbox="254 721 506 758">Dr. M.Ramesh Babu</td> <td data-bbox="506 721 827 758">Dc Microgrid</td> <td data-bbox="827 721 1148 758">Elite</td> </tr> <tr> <td data-bbox="254 758 506 795">Dr. V.Chamundees wari</td> <td data-bbox="506 758 827 795">Dc Microgrid</td> <td data-bbox="827 758 1148 795">Elite</td> </tr> <tr> <td data-bbox="254 795 506 833" rowspan="2">Dr. V.Krishna kumar</td> <td data-bbox="506 795 827 833">1.Dc Microgrid</td> <td data-bbox="827 795 1148 833">Elite</td> </tr> <tr> <td data-bbox="506 833 827 870">2.Smart Grid</td> <td data-bbox="827 833 1148 870">Elite</td> </tr> <tr> <td data-bbox="254 870 506 907" rowspan="2">Dr.P.Velmurugan</td> <td data-bbox="506 870 827 907">1.Dc Microgrid</td> <td data-bbox="827 870 1148 907">Elite</td> </tr> <tr> <td data-bbox="506 907 827 945">2.Smart Grid</td> <td data-bbox="827 907 1148 945">Elite</td> </tr> <tr> <td data-bbox="254 945 506 982" rowspan="2">Dr. V. Vasan Prabhu</td> <td data-bbox="506 945 827 982">1.Dc Microgrid</td> <td data-bbox="827 945 1148 982">Elite</td> </tr> <tr> <td data-bbox="506 982 827 1019">2.Smart Grid</td> <td data-bbox="827 982 1148 1019">Elite</td> </tr> <tr> <td data-bbox="254 1019 506 1057">Mr. R.Elavarasan</td> <td data-bbox="506 1019 827 1057">Fundamentals of Electric Drives</td> <td data-bbox="827 1019 1148 1057">Completed</td> </tr> <tr> <td data-bbox="254 1057 506 1094">Mr.S.Sridharan</td> <td data-bbox="506 1057 827 1094">1.Dc Microgrid</td> <td data-bbox="827 1057 1148 1094">Elite</td> </tr> <tr> <td data-bbox="254 1094 506 1131">Mr.C.Venkatesh</td> <td data-bbox="506 1094 827 1131">Dc Microgrid</td> <td data-bbox="827 1094 1148 1131">Elite</td> </tr> </tbody> </table>	Staff Name	NPTEL Course Name	Awards	Dr.Jayarama Pradeep	1.Fundamentals of Electric Drives	Elite with Silver	Dr.T.V.Narmadha	2.Stress Management	Elite	Dr. M.Ramesh Babu	Dc Microgrid	Elite	Dr. V.Chamundees wari	Dc Microgrid	Elite	Dr. V.Krishna kumar	1.Dc Microgrid	Elite	2.Smart Grid	Elite	Dr.P.Velmurugan	1.Dc Microgrid	Elite	2.Smart Grid	Elite	Dr. V. Vasan Prabhu	1.Dc Microgrid	Elite	2.Smart Grid	Elite	Mr. R.Elavarasan	Fundamentals of Electric Drives	Completed	Mr.S.Sridharan	1.Dc Microgrid	Elite	Mr.C.Venkatesh	Dc Microgrid	Elite			<p>Our staff Members of Electrical and Electronics Engineering have successfully completed the online NPTEL course and awarded with “Elite with silver and Elite” certification</p>
Staff Name	NPTEL Course Name	Awards																																									
Dr.Jayarama Pradeep	1.Fundamentals of Electric Drives	Elite with Silver																																									
Dr.T.V.Narmadha	2.Stress Management	Elite																																									
Dr. M.Ramesh Babu	Dc Microgrid	Elite																																									
Dr. V.Chamundees wari	Dc Microgrid	Elite																																									
Dr. V.Krishna kumar	1.Dc Microgrid	Elite																																									
	2.Smart Grid	Elite																																									
Dr.P.Velmurugan	1.Dc Microgrid	Elite																																									
	2.Smart Grid	Elite																																									
Dr. V. Vasan Prabhu	1.Dc Microgrid	Elite																																									
	2.Smart Grid	Elite																																									
Mr. R.Elavarasan	Fundamentals of Electric Drives	Completed																																									
Mr.S.Sridharan	1.Dc Microgrid	Elite																																									
Mr.C.Venkatesh	Dc Microgrid	Elite																																									

S.No.	Title of the Events and Photographs			Details of the Event
	Kumar			
Mr. H Umesh	1.Dc Microgrid	Elite		
Prabhu	2.Smart Grid	Elite		
Mr.T.Sriananda Ganesh	Dc Microgrid	Elite		
Ms.K.Sakeenathul Kubra	Dc Microgrid	Elite		
Mr.P.Anbarasan	Dc Microgrid	Elite with Silver Top 2 %		

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING


S.No.	Title of the Events and Photographs	Details of the Event												
1.	ISA Activity	<p>The ISA – Student charter organize a technical activity for the members for the academic year 2019– 2020 (EVEN semester).</p> <p>Event Name: DIGITAL DAZZLE Venue: EIE Block (Class rooms - 43 & 44) Date: NOV 29, 2019 (Friday) Time: 1.30 pm – 3.00 pm</p> <p>The results for ISA – Student charter activity “DIGITAL DAZZLE” held on Nov 6, 2019 for the academic year 2019– 2020 (EVEN Semester) are detailed below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sl. No</th> <th style="text-align: center;">Name of the Students(s)</th> <th style="text-align: center;">Position</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Preethi P (III Yr. EIE ‘B’ Sec) Manasi S (III Yr. EIE ‘B’ Sec) Princy Jenit L(III Yr. EIE ‘B’ Sec) Resmi P(III Yr. EIE ‘B’ Sec)</td> <td style="text-align: center;">First</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Ramya M(III Yr. EIE ‘B’ Sec) Nivedhitha S (III Yr. EIE ‘B’ Sec) Monica P (III Yr. EIE ‘B’ Sec) Kiruthiga K (III Yr. EIE ‘B’ Sec)</td> <td style="text-align: center;">Second</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Jelsi Alishiya A (III Yr. EIE ‘A’ Sec) Jeevitha R (III Yr. EIE ‘A’ Sec) Dellecta Jessy Rashmi R (III Yr. EIE ‘A’</td> <td style="text-align: center;">Third</td> </tr> </tbody> </table>	Sl. No	Name of the Students(s)	Position	1.	Preethi P (III Yr. EIE ‘B’ Sec) Manasi S (III Yr. EIE ‘B’ Sec) Princy Jenit L(III Yr. EIE ‘B’ Sec) Resmi P(III Yr. EIE ‘B’ Sec)	First	2.	Ramya M(III Yr. EIE ‘B’ Sec) Nivedhitha S (III Yr. EIE ‘B’ Sec) Monica P (III Yr. EIE ‘B’ Sec) Kiruthiga K (III Yr. EIE ‘B’ Sec)	Second	3.	Jelsi Alishiya A (III Yr. EIE ‘A’ Sec) Jeevitha R (III Yr. EIE ‘A’ Sec) Dellecta Jessy Rashmi R (III Yr. EIE ‘A’	Third
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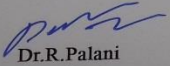
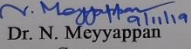
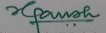
S.No.	Title of the Events and Photographs	Details of the Event	
			Sec) Abirami D (III Yr. EIE 'A' Sec)
2.	FDP/ STTP	<ul style="list-style-type: none"> • Dr.K.Sundaravadivu participated in online 1 day “Workshop on R” organized by IIT Bombay under 10K Program on 09 Nov 2019. • Dr. K.Sundara vadivu participated in 10 days online FDP course on “Deep learning ” organized by IIT Kharagpur. • Dr.R.Sivakumar Participated in AICTE sponsored one week FDP on “Robotics” organized by IIT Kharagpur from 13-19 Nov,2019 • Dr. R.Sivakumar participated in one week online FDP course on “Robotics” organized by IIT Kharagpur • Dr.P.Deepa participated in online 1 day “Workshop on R” organized by IIT Bombay under 10K Program on 09 Nov 2019. • Dr. V.Vijayan participated in one week online FDP course on “Introduction to machine learning” organized by IIT Kharagpur • Dr.C.N.Gnanaprakasam participated in one week TEQIP Sponsored FDP course on “Recent trends in Industrial Meterology and calibration of measuring instruments” organized by PSG College of Technology From 03 Nov to 09 Nov. 2019 • Dr.C.N.Gnanaprakasam participated in one week online FDP course on “Introduction to Research” organized by IIT Madras • Dr.B.Senthil Kumar participated in 5 days STTP on “Artificial neural networks and deep learning A-Z for beginners :Hands on with python , Keras and Tensor Flow.” Organized by VIT university Chennai . • Dr. B.Senthil Kumar participated in one week online FDP course on “Data Science for engineers” organized by IIT Madras • Dr. B.Senthil Kumar participated in 10 days online FDP course on “Deep learning –part 1” organized by IIT Madras • Dr. B.Senthil Kumar participated in 1 week online FDP course on “Practical machine learning with Tensorflow” organized by IIT Madras 	



S.No.	Title of the Events and Photographs	Details of the Event
		<ul style="list-style-type: none"> • Dr.G.Sivagurunathan participated in 5 days FDP on “IOT concepts and implementation” organized by IITDM , Chennai from 15 Nov to 19 Nov 2019. • Dr. G.Sivagurunathan participated in 1 week online FDP course on “Ethics in engineering practice” organized by IIT Madras • Mr.R. Elavarasan participated in one week TEQIP Sponsored FDP course on “Recent trends in Industrial Meterology and calibration of measuring instruments” organized by PSG College of Technology From 03 Nov to 09 Nov. 2019 • Mr.R.Elavarasan participated in one week online FDP course on “Introduction to Research” organized by IIT Madras • Mr.D.Dinesh Kumar participated in one week TEQIP Sponsored FDP course on “Recent trends in Industrial Meterology and calibration of measuring instruments” organized by PSG College of Technology From 03 Nov to 09 Nov. 2019 • Mr.S.Sivakumar Participated in 10 days FDP on “Introduction to Internet of things ” organized by IIT Kharagpur • Mr.D.Dinesh Kumar participated in one week online FDP course on “Introduction to Research” organized by IIT Madras • Mrs.S.Meena participated in one week online FDP course on “ Control Engineering” organized by IIT Madras • Mr.N.Hari prasad Participated in 10 days online FDP course on “ Deep learning ” organized by IIT Kharagpur. • Mr.N.Hariprasad participated in 6 days AICTE Sponsored STTP on “Instrumental methods of analysis ” organized by Sri Venkateshwara college of engineering from 04-09 Nov,2019 • Mr.N.Hariprasad participated in online 1 day “Workshop on R” organized by IIT Bombay under 10K Program on 09 Nov 2019. • Mr.N.Sivabalan participated in 10 days online FDP course on “ Deep learning ” organized by IIT Kharagpur.

S.No.	Title of the Events and Photographs	Details of the Event
		<ul style="list-style-type: none"> • Mr.N.Sivabalan participated in 10 days online FDP course on “ Opamp – Introduction and application ” organized by IIT Kharagpur. • Mr. N.Sivabalan participated in online 1 day “Workshop on R” organized by IIT Bombay under 10K Program on 09 Nov 2019. • Mr.A.Sadeesh Kumar participated in 6 days AICTE Sponsored STTP on “Instrumental methods of analysis ” organized by Sri Venkateshwara college of engineering from 04-09 Nov,2019 • Ms.Kirthini Godweena participated in online 1 day “Workshop on R” organized by IIT Bombay under 10K Program on 09 Nov 2019.
3.	Publications	<ul style="list-style-type: none"> • Dr.V.Vijayan, Dr.P.Deepa, Mr.D.Sankaran have published a paper titled “Set point weighted modified smith predictor for higher order integrating processes with time delay ” in International journal of recent Technology and engineering.


DEPARTMENT OF INSTRUMENTATION AND CONTROLS ENGINEERING

S.No.	Title of the Events and Photographs	Details of the Event
1	<p>AICTE training and learning FDP</p> 	<p>11 to 15 November 2019 No of Participant : 1 Venue: Madras institute of Technology 5 days FDP on Artificial Intelligence</p>
2	<p>Short term training</p>	<p>Date: 4 to 9 November 2019 No. of Participants: 02 Venue: SVCE, Sriperumbudur Objective: Instrumental method of Analysis 6 days STTP</p>

S.No.	Title of the Events and Photographs	Details of the Event
	 <p style="text-align: center;">SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous - Affiliated to Anna University) Pennalur, Sriperumbudur Tk - 602117</p> <p style="text-align: center;">CERTIFICATE OF PARTICIPATION</p> <p style="text-align: center;">This is to certify that Mr. K. MUTHUKUMARAN, ASSTO PROFESSOR., ST. JOSEPH'S COLLEGE OF ENGINEERING...has participated in the AICTE Sponsored six days Short Term Training Programme (STTP) on "Instrumental Methods of Analysis" organized by the Department of Chemical Engineering conducted during 4th to 9th November , 2019.</p> <p style="text-align: center;">  Dr.R.Palani Coordinator  Dr. N. Meyyappan Convener  Prof.S.Ganesh Vaidyanathan Principal </p>	
3	AICTE training and learning FDP	Date: 15 to 19 November 2019 No. of Participants: 02 Venue: IIITD&M, Kanchipuram 5 days FDP on Internet of things: Concepts and Implementation

S.No.	Title of the Events and Photographs	Details of the Event
		
4	<p>UDEMY online course</p> 	<p>4.5 hours of Online course on Wearable Robotics and Exoskeletons(lower limb) During July to October 2019 No. of Participants: 01</p>

DEPARTMENT OF MECHANICAL ENGINEERING

S.No.	Title of the Events and Photographs	Details of the Event						
1.		<p>DST-SERB has Sponsored our Mechanical Engineering Department for conducting a 3 days National Seminar on “EFFICIENCY ENHANCEMENT THROUGH GREEN INNOVATION IN MANUFACTURING” with a Grant of INR 1 Lakh.</p> <p>Convener: Dr. N. Arunkumar Co ordinator: Mr. M. Subramanian</p>						
2.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Name of the Staff</th> <th style="width: 30%;">Title of the Program</th> <th style="width: 40%;">Organized by</th> </tr> </thead> <tbody> <tr> <td>Dr.N.Arunkumar, Dr.K.M Kumar Dr.R. Selvam Dr.R.G.S. Nixon Mrs.S.M. Mullaikodi Mr.K.M.B. Karthikeyan Mr.G.AshwinPrabhu</td> <td>The Role of Smart Materials in digital Manufacturing and fourth industrial revolution (Factories for Future)</td> <td>KCG College of Technology</td> </tr> </tbody> </table>	Name of the Staff	Title of the Program	Organized by	Dr.N.Arunkumar, Dr.K.M Kumar Dr.R. Selvam Dr.R.G.S. Nixon Mrs.S.M. Mullaikodi Mr.K.M.B. Karthikeyan Mr.G.AshwinPrabhu	The Role of Smart Materials in digital Manufacturing and fourth industrial revolution (Factories for Future)	KCG College of Technology	<p>Our staff members of Mechanical Engineering had participated various events like FDP/workshop / STTP / online course in the month of November 2019</p>
Name of the Staff	Title of the Program	Organized by						
Dr.N.Arunkumar, Dr.K.M Kumar Dr.R. Selvam Dr.R.G.S. Nixon Mrs.S.M. Mullaikodi Mr.K.M.B. Karthikeyan Mr.G.AshwinPrabhu	The Role of Smart Materials in digital Manufacturing and fourth industrial revolution (Factories for Future)	KCG College of Technology						

S.No.	Title of the Events and Photographs			Details of the Event
	Dr..R.Sathish	Instrumental methods of Analysis	AICTE Sponsored STTP organised by Sri Venkateswara College of Engineering	
	Mr.T.Balamurugan Mr.M.Arun Mr.A.S.M.Udayakumar,	3D Printing: Concepts, Methods and Applications	AICTE Sponsored STTP organised by Rajalakshmi Institute of Technology	
	Mr.M.Subramanian Mr.M.Ganesh Mr.T.Balasubramanian Mr.P.Prem kumar Mr.B.Vincent	IOT and Advanced Technologies in Manufacturing	AICTE Sponsored FDP organised by Panimalar Engineering College	
	Mr.J.Vijayanand Mr.M.Siva Mr.G.Aswin Prabhu	Engineering Mechanics	Anna University Sponsored FDP Organised by St,Joseph's Institute of Technology	
	Mr.M.Siva	Recent Trends in Industrial metrology and Calibrations	TEQIP III sponsored FDP organised by PSG College of Technology	
	Mrs.N.Prasanna Iyer Mr.N.Sathish Kumar	Mechanics of Mechanical Metamaterials	IIT Madras	



S.No.	Title of the Events and Photographs			Details of the Event
3.	Staff Name	Name of the Paper	Journal name and Details	Our staff Members of Mechanical Engineering has Published papers in reputed Journals
	Dr.S.Arivazhan,Mr.G.M.Lionus Leo	Experimental investigation, ANN modelling and TOPSIS optimization of a gasoline premixed HCCI-DI engine with direct injection of FeCl3 nanoadditive blended WCO	TRANSACTIONS OF FAMENA, 1333-1124, 83 - 100 Impact factor:0.797	
	R. Ashok kumar, G.R. Raghav, K.J. Nagarajan, Sathish Rengarajan , P. Suganthi and V. Vignesh	Effect of hybrid reinforcement at stirred zone of dissimilar aluminium alloys during friction stir welding(AnnexureI,Web of Science/scopus)	Metallurgical Research & Technology ISSN: 2271-3646 - eISSN: 2271-3654 Impact factor:0.641	
	Vasanth R , Mohan K , Sathish Rengarajan , R Jayaprakash and R Ashok Kumar	Characterization and corrosion effects of Friction surfaced IS-2062 E250 CU with AA6063(AnnexureI,Web of Science/scopus)	Material Research Express ISSN :2053-1591 Impact factor:1.449	
	N Sathishkumar , N Arunkumar , L Balamurugan , L Sabarish, A Samuel Shapiro Joseph/M	Investigation of Mechanical Behaviour and Surface Roughness Properties on Copper Electroplated FDM High Impact Polystyrene Parts/ Design of Robot	Advances in Additive Manufacturing and Joining, Springer, Singapore ISSN:287-300 / 75-85	

S.No.	Title of the Events and Photographs		Details of the Event
	Sugavaneswaran	Gripper with Topology Optimization and Its Fabrication Using Additive Manufacturing	

DEPARTMENT OF CHEMICAL ENGINEERING

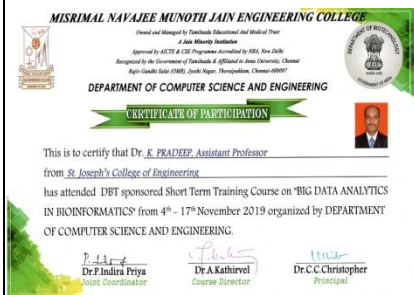
S.No.	Title of the Events and Photographs	Details of the Event
1.	STTP	<p>Dr R Baskaran Participated in the AICTE Sponsored STTP on “Rheology of Complex Materials” Organized by Department of Chemical Engineering at IIT Madras from 11th to 15th November 2019.</p> <p>Dr N Venkatesh Participated in the AICTE Sponsored STTP on “Human Resources Management-Emerging Issues and Future Challenges” Organized by IIT Kharagpur from 30th October to 5th November 2019.</p> <p>Mr S Vinod Kumar participated in the AICTE Sponsored STTP on “Instrumental Methods of Analysis” Organized by Department of Chemical Engineering at Sri Venkateswara College of Engineering from 4th to 9th November 2019.</p> <p>Ms B Senthil Rathi participated in the AICTE sponsored STTP on Advances in Bio and Food Products Manufacturing and Shelf Life Extension Organized by Department of Food Technology at Kongu Engineering College from 11th to 16th November 2019.</p> <p>Ms N Deepa Participated in the AICTE sponsored STTP on “Advances in Thermofluidics of Multiphase Flow “Organized by Department of Mechanical Engineering at IIT Madras from 4th to 9th November 2019.</p> <p>Ms Sivaranjane R Participated in the AICTE Sponsored STTP on “Rheology of Complex Materials” Organized by Department of Chemical Engineering at IIT Madras from 11th to 15th November 2019.</p> <p>Ms A Tamilarasi Participated in the AICTE sponsored STTP on “Advances in Thermofluidics of Multiphase Flow “Organized by Department of Mechanical Engineering at IIT Madras from 4th to 9th November 2019.</p>

DEPARTMENT OF INFORMATION TECHNOLOGY

S.no	Title of the events	Details of the event																	
1	 <p data-bbox="359 618 737 716">Dr. C. Heltin Genitha participated in FDP on Machine Learning</p>	Workshop Attended																	
	<table border="1"> <thead> <tr> <th data-bbox="768 354 978 440">Staff Name</th> <th data-bbox="978 354 1157 440">Name</th> <th data-bbox="1157 354 1409 440">Place</th> <th data-bbox="1409 354 1507 440">Type</th> <th data-bbox="1507 354 1650 440">Days</th> <th data-bbox="1650 354 2028 440">Description of the Workshop/FDP</th> </tr> </thead> <tbody> <tr> <td data-bbox="768 440 978 773">Dr. C. Heltin Genitha</td> <td data-bbox="978 440 1157 773">FDP on Machine Learning</td> <td data-bbox="1157 440 1409 773">IEEE CIS Madras Chapter, Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Ramapuram, Chennai</td> <td data-bbox="1409 440 1507 773">FDP</td> <td data-bbox="1507 440 1650 773">11-11-2019 & 12-11-2019 (2 days)</td> <td data-bbox="1650 440 2028 773">The essence of the FDP is to provide a hands-on training on ML and to equip the staff to perform complex mathematical calculations to data, and process them more quickly than ever before.</td> </tr> <tr> <td data-bbox="768 773 978 1214">J. Divya Dr. A. TamizSelvi</td> <td data-bbox="978 773 1157 1214">FDP on Computing Paradigms for Emerging IOT Applications</td> <td data-bbox="1157 773 1409 1214">TEQIP III, Department of Information Technology, PSG College of Technology Coimbatore</td> <td data-bbox="1409 773 1507 1214">FDP</td> <td data-bbox="1507 773 1650 1214">4-11-2019 to 8-11-2019 (5 days)</td> <td data-bbox="1650 773 2028 1214">Internet of Things is a new revolution of the Internet. It is a network of physical devices vehicles, home appliances and other items embedded with electronics software sensors etc. This FDP programme is intended to explain new model for analyzing and acting on IoT data using computing technologies such as edge, fog and cloud.</td> </tr> </tbody> </table>							Staff Name	Name	Place	Type	Days	Description of the Workshop/FDP	Dr. C. Heltin Genitha	FDP on Machine Learning	IEEE CIS Madras Chapter, Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Ramapuram, Chennai	FDP	11-11-2019 & 12-11-2019 (2 days)	The essence of the FDP is to provide a hands-on training on ML and to equip the staff to perform complex mathematical calculations to data, and process them more quickly than ever before.
	Staff Name	Name	Place	Type	Days	Description of the Workshop/FDP													
Dr. C. Heltin Genitha	FDP on Machine Learning	IEEE CIS Madras Chapter, Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Ramapuram, Chennai	FDP	11-11-2019 & 12-11-2019 (2 days)	The essence of the FDP is to provide a hands-on training on ML and to equip the staff to perform complex mathematical calculations to data, and process them more quickly than ever before.														
J. Divya Dr. A. TamizSelvi	FDP on Computing Paradigms for Emerging IOT Applications	TEQIP III, Department of Information Technology, PSG College of Technology Coimbatore	FDP	4-11-2019 to 8-11-2019 (5 days)	Internet of Things is a new revolution of the Internet. It is a network of physical devices vehicles, home appliances and other items embedded with electronics software sensors etc. This FDP programme is intended to explain new model for analyzing and acting on IoT data using computing technologies such as edge, fog and cloud.														
 <p data-bbox="359 1138 737 1276">J. Divya, Dr. A. TamizSelvi participated in FDP on computing paradigms for emerging IOT Applications</p>																			



Workshop certificate from National Level Short Term Training Programme on Applied Mathematics and Scientific Engineering Research



Workshop certificate from Big Data Analytics in Bioinformatics

Workshop Attended

Staff Name	Name	Place	Type	Days	Description of the Workshop/FDP
Dr. S. Sumathi	National Level Short Term Training Programme on Applied Mathematics and Scientific Engineering Research	AICTE, Department of Electronics and Communication Engineering and Department of Humanities and Sciences, S.A Engineering College, Chennai	STTP	4-11-2019 to 9-11-2019 (6 days)	This STTP deals with Mathematical Modelling and Simulation to real world problems, Biological Modeling, Compartment Modeling and Operational Research based Modeling.
Dr. P. Kalavani					
Dr.N.Gobalakrishnan	Big Data Analytics in Bioinformatics	DBT, Government of India, Department of Computer Science and Engineering, MNM Jain Engineering College, Chennai	STTP	4-11-2019 to 17-11-2019 (14 days)	This STTP program covers Advance Data Models, Cloud in the Context of Big Data, and Recent Trends in Big Data Research. The programme includes hands-on training in bioinformatics big data programming using Hadoop, R Language, Spark and Hive etc.
Dr. K. Pradeep					



S. Ancy , J. Thresa Jeniffer participated in A Hands-on Approach for the Design and Implementation of Deep Learning in Cloud



Workshop certificate on R from IIT Bombay



Workshop Attended

Staff Name	Name	Place	Type	Days	Description of the Workshop/FDP
S. Ancy	A Hands-on Approach for the Design and Implementation of Deep Learning in Cloud	Department of Information Technology, SRM Institute of Science and Technology, Vadapalani, Chennai	FDP	13-11-2019 to 15-11-2019 (3 days)	This FDP covers the design and implementation of deep learning in cloud. Machine and Deep learning is a practice of artificial intelligence which gives computers the ability to learn automatically and build models to work on data, images and videos. The Programme focused on practical aspects and include hand-on examples which are relevant to the current industry requirements.
J. Thresa Jeniffer					
Dr. M. Esther Hannah	Workshop on R	IIT Bombay, Department of Information Technology, St. Joseph's College of Engineering, Chennai.	Workshop	9-11-2019 (1 day)	This workshop deals with the introduction to basics of R, data frames, introduction to RStudio, indexing and slicing data frames, creating matrices using data frames, merging and importing data, lists and its Operations, data manipulation etc.

	<p>Ms. Kripasekaran participated in FDP on Block Chain and Beyond</p>	<p>Ms. Kripasekaran</p>	<p>FDP on Block Chain and Beyond</p>	<p>Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani, Chennai</p>	<p>FDP</p>	<p>18-11-2019 to 22-11-2019 (5 days)</p>	<p>The workshop aims to highlight to the participants the Applications of the Block chain with the chemistry of IoTs, Cyber and Sustainable Cloud Computing. The workshop will also highlight the use of Cognitive Algorithms in Distributed Supply Chain Management.</p>
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Dr. C. J. Raman, Dr. M. Anbu, M. Arunmozhi Participated in Digital Disruption and Hands on session in a Technology



Dr. S. Duraimurugan, K. Suresh Participated in FDP on Soft Computing Techniques and its Applications

Workshop Attended

Staff Name	Name	Place	Type	Days	Description of the Workshop/FDP
Dr. C. J. Raman	Digital Disruption and Handson session in a Technology	Cognizant Technology Solutions, TS, OMR, ASV Sun Tech Park, Chennai	FDP	22-11-2019 (1 day)	This FDP deals with the digital transformation, digital evolution. The main aim of this FDP is to bring training to new dimensions through virtual reality (VR), augmented reality (AR) and mobile learning.
Dr. M. Anbu					
M. Arunmozhi					
Dr. S. Duraimurugan	FDP on Soft Computing Techniques and its Applications	AICTE, Department of Electronics and Communication Engineering, Anand Institute of Higher Technology, Chennai	FDP	15-11-2019 to 28-11-2019 (14 days)	This FDP deals with the introduction to soft computing, Artificial Neural Networks, Fuzzy logic, Machine learning, Optimistic algorithms such as genetic algorithm, Particle Swarm Optimization etc.
K. Suresh					

2



Dr. L. Sherly Puspa Anabel Participated in FDP on Recent Trends in Internet of Things and its Research Issues



PLASTIC-FREE-VILLAGE

Dr. L. Sherly Puspa Anabel	FDP on Recent Trends in Internet of Things and its Research Issues	AICTE, MNM Jain Engineering College, Chennai.	FDP	6-11-2019 to 19-11-2019 (14 days)	This workshop covers basics of internet of things, IoT and blockchain convergence, leveraging AI with IoT data, integrating an interoperable platform, case study, massive IoT , applications shaping the future for industrial IoT, managing data security and variety , cloud in the context of IoT and big data
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PLASTIC-FREE-VILLAGE CAMPAIGN REPORT

We conducted the ' Swachhata Hi Sewa ' ' Plastic-Free Village ' Campaign in our adopted villages: **Thiruvengaranai, Navettikulam, Kovalavedu, Aymecherry and Thenneri of Walaja Kanchipuram**, initiated by our Prime Minister on **20.09.2019**. **30 students and 8 staff** have participated in the campaign. **500 Number of Cloth Bags** were purchased and distributed to each household and all plastic bags, plastic covers, plastic bottles and other items made of single-use plastic used by the villagers were **collected back**

Students from **St. Joseph's Engineering College** organized an awareness-raising workshop on ' **How to Live a Plastic-Free Life** ' by bringing reusable shopping bags, own food and waste containers, own meat-purchasing containers and prepared food, and raising awareness of the **increasing threats and dangers of plastic pollution to human life and the environment.**

CAMPAIGN by Students from **St. Joseph's Engineering College**



3. Girl students made rural women aware of menstrual hygiene



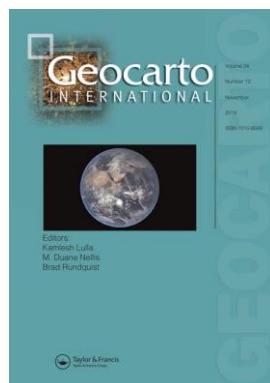
Online certification from Duke University of S.Sumathi

Girl students have made rural women **aware of menstrual hygiene** and have ensured the **safe disposal of sanitary napkins** in an environmentally friendly manner. “**Plastic Free Schools**” a program conducted at Kovalavedu and Thiruvenkaranai schools aimed at measurably **reducing plastic pollution** and **awareness of how ' food waste ' is harming our environment** and **harms caused by plastic bags, plastic water bottles** and tips for using less plastic in life and **living greener**.

Online Certification

Staff Name	Name	Certificate Provider	Type	Description of the Course
Dr.S.Sumathi	Introduction to Probability and Data	Duke University - Coursera	Online Certification	This course introduces sampling and exploring data, as well as basic probability theory and Bayes' rule. The various types of sampling methods are discussed. A variety of exploratory data analysis techniques will be covered, including numeric summary statistics and basic data visualization. The concepts and techniques in this course will serve as building blocks for the inference and modeling courses in the Specialization.

Geocarto International



International Journal of
Innovative Technology and
Exploring Engineering (IJITEE)

Publications

1. **C. Heltin Genitha**, M. Indhumathi, S. Sanjeevi, “ A Genetic Algorithm based Approach to Estimate the Volume of a Drinking Water Reservoir in Chennai City, South India, using Multi-spectral Satellite Images”, Geocarto International, DOI: 10.1080/10106049.2019.1687590. (Publisher: Taylor and Francis, Print ISSN: 1010-6049, Online ISSN: 1752-, Impact Factor: 2.365), Nov 2019

<https://www.tandfonline.com/doi/abs/10.1080/10106049.2019.1687590?journalCode=tge>

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2. S.Usha Kiruthika, S. Kanaga Suba Raja, V. Balaji, **C.J.Raman**, S. S. L. Durai Arumugam, “ Detection of Tuberculosis in Chest X-rays using U-Net Architecture”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), DOI: 10.35940/ijitee.A4834.119119, Vol. 9, No. 1, Nov 2019. . (Publisher: Blue Eyes Intelligence Engineering and Sciences Publication,), ISSN: 2278-3075) – Scopus Indexed


<https://www.ijitee.org/wp-content/uploads/papers/v9i1/A4834119119.pdf>




Computational Network
Application Tools for
Performance Management


3. **M. Esther Hannah**, “A Classification Based Summarization Model using Supervised Learning”, Computational Network Application Tools for Performance Management, DOI: 10.1007/978-981-32-9585-8_9, pp. 87-93, Springer, Nov 2019. (Print ISBN: 978-981-329-585-8, Online ISBN: 978-981-329-585-8, ISSN: 2522-5162). **(Book Series)**
https://link.springer.com/chapter/10.1007/978-981-32-9585-8_9
4. **Lilly Raamesh**, “Performance Enhanced Hybrid Memetic Framework for Effective Coverage Based Test Case Optimization”, Computational Network Application Tools for Performance Management, DOI: 10.1007/978-981-32-9585-8_1, pp. 1-8, Springer, Nov 2019. (Print ISBN: 978-981-329-585-8, Online ISBN: 978-981-329-585-8, ISSN: 2522-5162). **(Book Series)**
https://link.springer.com/chapter/10.1007/978-981-32-9585-8_1


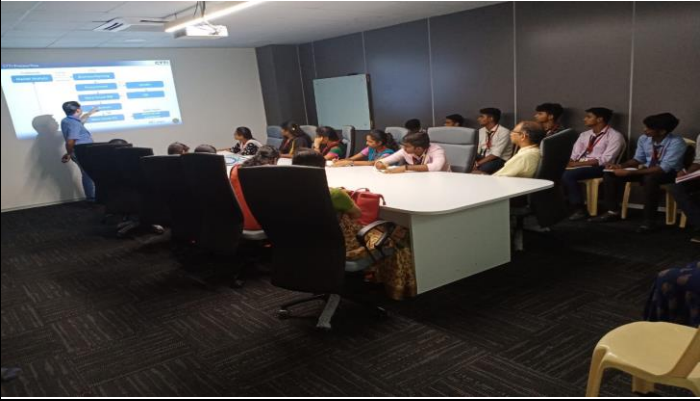
DEPARTMENT OF MBA


S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>A Workshop on business analytics using Advanced Excel and SPSS</p> 	<p>A Workshop on business analytics using Advanced Excel and SPSS was conducted by Department of Management Studies, St. Joseph's College of Engineering, between 31.10.2019 to 2.11.2019. The main objective of the program is to provide an insight into the various financial functions in MS – Excel and to provide knowledge about the statistics and to use SPSS to arrive at a conclusion. The program had totally 40 participants representing different colleges and research scholars from various Universities.</p> <p>The inaugural function started with the welcome speech given by the Principal Dr.Vaddi Seshagiri Rao, explaining the importance of data in decision making in the current business scenario. Dr.Jayasree Krishnan, Professor and Head of the Department, Department of MBA spoke on the theme of the workshop The chief guest for the inaugural function was Dr.L.S.Ganesh, Professor and Head, Department of Management Studies, IIT, Chennai. He explained the concept of data capture, market segmentation, data analysis and interpretation in a very simple fashion and in a very lucid manner. The program followed by a speech on how data is captured and analysed in real world situation by Mr. Madhusuthanan, Head cloud-Architect, National Payment Corporation of India, a subsidiary of Reserve Bank of India. He explained the intricacies of collecting huge volume of real time financial transactions of the country and the complications involved in analyzing the data, storage, retrieval of data and presentation of data in understandable manner. The participants came to know the real technology architecture that goes behind the maintenance of such a big process for the entire country.</p> <p>The afternoon session started with a motivation and inspiring speaker</p>

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		<p>Dr.Priya Sethuraman, Associate Professor, Department Of Management Studies, St. Joseph's College Of Engineering. She highlighted on usage of statistics for decision making using various tools in software based analysis (SPSS) was used for this purpose from entering the data into the software till the data is analyzed using with various parameters.</p> <p>The second day started with an enthusiastic and energetic speaker from Pondicherry University, Dr.R.Kasilingam, Professor, and Department Of Management Studies. He started with the importance of data analysis using spread sheets. The session was power packed with bundle of information pertaining to advanced MS – Excel tools such as time series analysis, moving average, exponential smoothening and regression analysis in the morning session. The afternoon session included the explanation of recent tools like T-Test, Efficiency analysis, Sensitivity analysis, and Portfolio and Scenario analysis. The day concluded with solver tools highlighting the importance of statistical tools in financial research.</p> <p>The third day morning session was on statistical tools conducted by Dr.Priya Sethuraman. She started the session on various statistical tools on parametric and non-parametric analysis. The afternoon session was a valedictory function. Dr. Nadasabai, Program coordinator, elaborated the event report of the three days. Dr.Jayasree Krishnan, Professor and Head, Department of MBA delivered the vote of thanks. Towards the end of the session certificates were distributed to the participants. Entire workshop had live participation from the participants with the clear clarification from experts make it a place for sharing their knowledge. The participants provided a quality feedback about the workshop. They wanted the department to organize similar programs in the future.</p>
2.	<p align="center">A Guest lecture on Goods and Service Tax</p>	<p>A guest lecture titled “GST(Goods and Services Tax)” was held on 2nd November 2019 at ED conference Hall, Department of MBA, St.</p>

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		<p>Joseph's College of Engineering from 9:30 AM to 11:40 AM. The speaker of this guest lecture was Mr. Ram Mohan Assistant Commissioner of Sales Tax Department, Chennai. He has completed MSC, PGDCA, MA Public administration and MBA PR and has 20 years of experience. The guest lecture was organized for the I-year MBA student, around 120 students participated in this guest lecture. The guest speaker was heartily welcomed by Vaishni.V, student of MBA department I year.</p> <p>Mr. Ram Mohan briefed the students about the aim of pursuing MBA and the importance of administration of business. He explained the vital role played by Business and also shared the current economic situation of INDIA. He insisted students to take down the key words and also explained in detail the steps to be followed in order to start a business.</p> <p>He explained the direct and indirect taxes from excise, VAT till current GST system. He instructed the steps to be followed to get a GST number through online website and also demonstrated how the tax is being calculated during the purchase and sales of goods with illustrations. He also suggested the students a mobile application regarding tax rate related queries.</p> <p>He also motivated students to appear in GST practitioner and GROUP-I exam and advised the students to take part in all activities.</p>

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		<p>He concluded by saying “The more you do well the more you get to learn”. The guest was felicitated with a memento by professor Dr.Nadanasabai. The session was completed with a vote of thanks given by Namratha, student of MBA department I year.</p>
3.	<p><u>Industrial Visit to Butterfly Gandhimathi Appliances Pvt.Ltd, Pudupakkam</u> <u>MBA Sec-A 12.11.2019</u></p>  <p><u>MBA Sec-B 16.11.2019</u></p>	<p>On 12th and 16th November 2019, MBA students visited Butterfly Gandhimathi Appliances Ltd. Pudupakkam for the industrial visit. The visit consisted of 56 students of MBA Sec-A and 58 students of MBA Sec –B along with the faculty members of Dr. U.Abirami, Mr. S.Aravinth for section A students and Dr.Joel Jebadurai and Dr. S.Sudha for Sec-B students. The students and the staff members left the college premises around 9:30 am and reached the destination by 10:15 am. The students were divided into three groups who were guided individually by three instructors throughout the session. The visit started with an introduction of production process of various products such as Pressure Cookers, Table Top Wet Grinders, Mixis, Stoves and Glass Top Stoves manufactured in the factory. The students were initially taken into the tool room of the unit where the manufacturing was done manually and technologically. Tool room is a place where new product is developed, molded and problem correction is done.</p> <p>The students were thereon taken to the Cooker division where both Hydraulic and Mechanical machineries was indulged in the production of cookers. This unit consisted of 500 workers involved in molding base, punching of holes, molding the lid and putting safety valves. After the individual components were produced, they were auto polished inside electronically and outside manually. After which the products were sent to the assembling line where the components are put together and laser printing is done. Here the products are selected randomly and audited for identifying defects, and the defective products are recycled. For every product whistle testing is done. On an average, 150 products were produced per hour.</p> <p>The students were taken to the injection shutter which consisted of 200 workers, where raw materials were injected through the process of pre-heating after the mold. Here, Poly propylene is used for durability of the product.</p> <p>The Stove unit consisted of hydraulic machineries that are used to produce stoves through the process of molding and stamping spark welding for holes and assembling. The density of each product is 0.5mm to 0.8mm.</p>

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		<p>In the Mixi manufacturing, the motor unit consisted of armature that is covered with copper enamel, where spot welding is done and armature is tested. The motor's top cover and bottom cover is fixed with synthetic bushes to avoid friction. After assembling the components, the Mixi is sent to the printed cotton box for package.</p> <p>Thereafter the students were taken into the Grinder unit where the motors were assembled on the basis of driven pulley and motor pulley based on the stones fixed. Then, the hand buffing process was carried out and the product was sent to the DPS packing.</p> <p>The Industry had adapted several safety and welfare measures such as provision of gloves and goggles to the workers, face mask for the workers involved in spark welding process. In addition with, canteen facilities purified drinking water, and separate restrooms for men and women workers, locker room for women workers, and availability of First aid kit, Doctor and Ambulance facility are also offered to the workers. Women workers are allowed to working in morning and evening shift only which ends at 10 pm with transport facility.</p> <p>The students reached the college premises around 1:30 pm in the afternoon.</p>
4.	<p><u>Industrial Visit to Competition Team Technology India Pvt Ltd, Oragadam</u> <u>MBA Integrated 29.11.2019</u></p> 	<p>On 29th November 2019, MBA integrated students are visited the Competition Team Technology India Pvt. Ltd. (CTTI) Oragadam for the industrial visit. The visit consisted of 27 students along with the faculty members of Dr. PriyaSethuraman and Dr. R.Nadanasabai. The students and the staff left the college premises around 9:30 am and reached the destination by 11:00am. The students were divided into three groups who were guided individually by three instructors throughout the session. The visit started with an introduction about the company and the production process of three different components of Televisions.</p> <p>The students were taken to Surface Mount Technology (SMT) plant where the Electronic machines are used to make Electronic Chips of TV. This unit consists of only 5 technical workers.</p>

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		<p>After that the students were taken into assemble process lines which is consisted of 100 workers, where raw materials were assembled with the help of machines and labors. In this process, raw materials are received from SMT plant. The assembly line process consists of 8 Lines, where the first 3 lines used to assemble the 32” Television, 4thline assemble dealt with 75” Television, Then the remaining 4 assemble lines are dealt with 65” Television. In the assembling line, final products are selected randomly and audited for identifying defects, and the defective products are recycled before the final packaging. They produced the Televisions based on early demand and seasonal demand.</p> <p>The CTTI had adapted several safety and welfare measures such as provision of gloves, lab coats and goggles to the workers, face mask for the workers. In addition with, they are offering canteen facilities, purified drinking water, and separate restrooms for men and women workers, locker room for women workers, and availability of First aid kit, Doctor and Ambulance facility are also offered to the workers. The majority of the workers are women’s. The working hours of the company is divided into 3 shifts (8 AM to 5.30 PM, 5.30 PM to 2.30 AM, 10 PM to 7 AM), shift time will vary based on the orders received.</p> <p>The students reached the college premises around 4:00 pm in the afternoon. The students felt the session enriching their practical knowledge in various subjects they have studied in the class. The students are thanked the department for this opportunities.</p>

DEPARTMENT OF HUMANITIES AND SCIENCE

S.No.	Title of the Events and Photographs	Details of the Event
1.	NPTEL Courses/ FDP Programs	<p>Various NPTEL certification / FDP programs have been successfully completed by the following staff members.</p> <ol style="list-style-type: none">1. Dr. S. Suresh2. Mr. S. Kaleel Mohamed Ibrahim3. Dr. S. Kiruba4. Dr. P. Krishnan5. Ms. V. Swarnalatha6. Dr. P. Saravanan7. Dr. A. Uma Devi8. Dr. N.R. Rajagopalan9. Ms. J. Sharmila10. Ms. S. Savitha11. Dr. K. Jayamoorthy12. Dr. B. Subash <p>Mr. S. M. Prakash</p>

DEPARTMENT OF MATHS

S.No.	Title of the Events and Photographs	Details of the Event
1.	Workshops Attended	Five of our faculty members have attended three days national level workshop organized by Department of MBA, St. Joseph's college of engineering held between 31 st Oct to 2 nd Nov 2019.
2.	Paper Published	1. Dr.P.Agilan and Dr.V.Vallinayagam, "Generalized Ulam-Hyers Stability of Complex additive Functional Equation", Journal of Physics, Conference Series, 1377 (2019) 012011, doi:10.1088/1742-6596/1377/1/012011 2. A.Sathiya Jothi ." Developing Vocabulary Abilities Through Lexical Power ",International Journal Of Scientific & Technology Research, Vol : 8, Issue 11, November 2019
3.	NPTEL Courses:	Sixteen of our faculty members have attended NPTEL examination held on 16 th and 17th November 2019.