




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

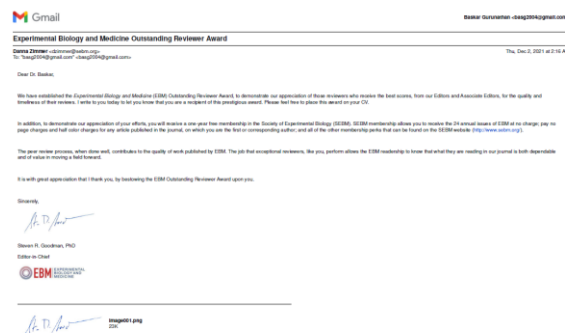


DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p style="text-align: center;">STAFF CONFERENCE PRESENTATION</p>  <p style="text-align: center;"><i>Dr.G. Baskar copy of certificate</i></p>	<ul style="list-style-type: none"> • Dr. G. Baskar has acted as Primary Evaluator in the Toycathon 2021 organized by the Ministry of Education Innovation Cell and AICTE on December 2021. • Dr. G. Baskar has participated in Manav Faculty Level Survey on scientific reading practices, capabilities and challenges of undergraduate and postgraduate students conducted by Project Manav, organized by National center for cell science, Pune between 16th – 27th December, 2021. • Dr. G. Baskar has received the best reviewer award by the journal Experimental Biology and Medicine for his quality and timeliness of his reviews.



Dr.G. Baskar copy of certificate



Dr.G. Baskar copy of certificate





- **Dr. G. Baskar** has presented paper in the International Conference on Biotechnology for resource efficiency, Energy , Environment, Chemical and Health jointly organized by CSIR- Indian Institute of Petroleum, Dehradun and The Biotech Research Society, India at Dehradun during 1st to 4th Decemeber 2021.
- **Ms. Kalavathy** has presented paper in the International Conference on Biotechnology for resource efficiency, Energy , Environment, Chemical and Health jointly organized by CSIR- Indian Institute of Petroleum, Dehradun and The Biotech Research Society, India at Dehradun during 1st to 4th Decemeber 2021.



Dr.G. Baskar & Ms. Kalavathy copy of certificate


DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sl. No.	Title	Detail				
		S.No	Faculty	Title of the paper	Date	Journal/Patent/Book Chapter/Conference
1.	Publications	1.	Mr.N.Hariprasad Dr. P. Deepa	A system for emotion recognition using speech signal	17-12-2021	PATENT Published 202141048076
		2.	Ms.A.Kirthini Godweena Mrs.Angelin Ponrani	A Novel method for Aircraft Pitch Control	10-12-2021	PATENT Published 202141050949


DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution																				
1	 <p style="text-align: center;">Certificate received through Online FDP</p>	<p style="text-align: center;">Online Seminar/ FDP Attended by Faculty</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">S.No</th> <th style="text-align: left;">Title of the topic</th> <th style="text-align: left;">Name of the Staff</th> <th style="text-align: left;">Conducted By</th> <th style="text-align: left;">Date</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Online Elementary FDP on Design Thinking for Excellence in OBE and Digital Learning</td> <td>Dr.S. Duraimurugan</td> <td>Birla Institute of Technology, Delhi, AICTE Training and Learning (ATAL) Academy.</td> <td>29-11-21 to 3-12-21 (5 days)</td> </tr> <tr> <td>2.</td> <td>Online FDP on Advanced Bio Informatics</td> <td>G. Lathaselvi J. Thresa Jeniffer</td> <td>E&ICT Academy, NIT Warangal and University College of Engineering (BIT Campus), Anna University, Tiruchirappalli.</td> <td>18-11-21 to 27-11-21 (10 days)</td> </tr> <tr> <td>3.</td> <td>30 days Machine Learning Master Class</td> <td>Dr. L. Sherly Pushpa Annabel</td> <td>PAN Tech Solutions, Chennai.</td> <td>15-11-21 to 14-11-21 (30 days)</td> </tr> </tbody> </table>	S.No	Title of the topic	Name of the Staff	Conducted By	Date	1.	Online Elementary FDP on Design Thinking for Excellence in OBE and Digital Learning	Dr.S. Duraimurugan	Birla Institute of Technology, Delhi, AICTE Training and Learning (ATAL) Academy.	29-11-21 to 3-12-21 (5 days)	2.	Online FDP on Advanced Bio Informatics	G. Lathaselvi J. Thresa Jeniffer	E&ICT Academy, NIT Warangal and University College of Engineering (BIT Campus), Anna University, Tiruchirappalli.	18-11-21 to 27-11-21 (10 days)	3.	30 days Machine Learning Master Class	Dr. L. Sherly Pushpa Annabel	PAN Tech Solutions, Chennai.	15-11-21 to 14-11-21 (30 days)
S.No	Title of the topic	Name of the Staff	Conducted By	Date																		
1.	Online Elementary FDP on Design Thinking for Excellence in OBE and Digital Learning	Dr.S. Duraimurugan	Birla Institute of Technology, Delhi, AICTE Training and Learning (ATAL) Academy.	29-11-21 to 3-12-21 (5 days)																		
2.	Online FDP on Advanced Bio Informatics	G. Lathaselvi J. Thresa Jeniffer	E&ICT Academy, NIT Warangal and University College of Engineering (BIT Campus), Anna University, Tiruchirappalli.	18-11-21 to 27-11-21 (10 days)																		
3.	30 days Machine Learning Master Class	Dr. L. Sherly Pushpa Annabel	PAN Tech Solutions, Chennai.	15-11-21 to 14-11-21 (30 days)																		
2	 <p style="text-align: center;">Certificate received from online courses</p>	<p style="text-align: center;">Online Course Attended by the Faculty</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">S.No</th> <th style="text-align: left;">Title of the topic</th> <th style="text-align: left;">Name of the Staff</th> <th style="text-align: left;">Conducted By</th> <th style="text-align: left;">Date</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Module 1 : Orientation towards Technical Education and Curriculum Aspects Module 3: Communication Skills, Modes and Knowledge Dissemination</td> <td>S. Anitha Kripa Sekaran</td> <td>AICTE - National Initiative for Technical Teachers Training</td> <td>23.10.2021 & 24.10.2021</td> </tr> </tbody> </table>	S.No	Title of the topic	Name of the Staff	Conducted By	Date	1.	Module 1 : Orientation towards Technical Education and Curriculum Aspects Module 3: Communication Skills, Modes and Knowledge Dissemination	S. Anitha Kripa Sekaran	AICTE - National Initiative for Technical Teachers Training	23.10.2021 & 24.10.2021										
S.No	Title of the topic	Name of the Staff	Conducted By	Date																		
1.	Module 1 : Orientation towards Technical Education and Curriculum Aspects Module 3: Communication Skills, Modes and Knowledge Dissemination	S. Anitha Kripa Sekaran	AICTE - National Initiative for Technical Teachers Training	23.10.2021 & 24.10.2021																		



Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
3	 <p>J. Antony Prince, N. Hemapriya, V. Muthulakshmi published a chapter in the book “Assistive Technology Intervention in Healthcare”</p>	<p align="center"><u>(Staff and Student Publication)</u></p> <p>J. Antony Prince, N. Hemapriya, V. Muthulakshmi, “Blockchain-Based Electronic Health Record System Enforced by Ensemble Multi-Contract Approach”, Book: Assistive Technology Intervention in Healthcare, Publisher: CRC Press, eBook ISBN: 9781003207856, Dec 2021.</p> <p>Abstract: Electronic health records (EHRs) are predominantly shared among radiologists, clinicians, pharmacists, healthcare providers and researchers for effective treatment and diagnosis, as they contain confidential and critical information about patients. The proposed solution requires the use of blockchain technology for the efficient management of health records. The electronic health record would have to be stored in such a way that it follows the norms of the blockchain architecture using the concept of proof of authority. The implementation results in dealing with privacy and security concerns and achieves scalability, providing role-based access, event traceability and an off-chain storage system using interplanetary file system. It operates as a distributed database that is validated by a decentralized community rather than a central entity. It’s a collection of records that a crowd oversees and maintains rather than relying on a single entity with a centralized server, leading to the creation of a decentralized ledger. Each of the blocks comprises numerous transactions with a link created among different blocks using a hash function to form a chain. When a record is created, it is verified across the distributed network of nodes and added to a block which is linked to the previous block, leading to a chain of blocks or blockchain. The management of health records utilizes a multi-contract approach aimed at securing the access control paradigm with better traceability.</p>
4	 <p>Author: N. Badrinath, Co Author: D. Logeshwari published a paper in Scopus Indexed Journal</p>	<p align="center"><u>(Staff Publication)</u></p> <p>N. Badrinath, J. Jegathesh Amalraj, J. Sathyendra Bhatt, D. Logeshwari, S.Sakthivel, “Classification of Brain Tumor from MRI Images Using Capsule Networks”, Turkish Journal of Physiotherapy and Rehabilitation, Vol. 32, No. 3, Print ISSN: 2651-4451, E-ISSN: 2651-446X, pp. 37088-37106, Dec 2021. (Scopus Indexed Journal)</p> <p>Abstract: There is a frequent tumour called a brain tumour, and early detection of this fatal brain tumour can lead to recovery. The treatment must be determined based on an accurate diagnosis of the type and stage of brain tumour. As a result, brain tumour staging is a significant issue when it comes to developing medical-related automatic detection and diagnosis applications. A deep Capsule Network for medical image classification was developed in this paper employing MR images of brain tumours to achieve great accuracy. A customised deep CNN model based on the Capsule Network is created in this study to automatically detect brain tumours in MR images. Each layer in the Capsule Network receives all the previous levels as input, which aids in the discovery of a wide range of features. Residual blocks are inserted between dense layers to increase Capsule Network performance. More than a dozen magnetic resonance images (MR) from various archives are used in the training and testing process. They found that the Capsule Network is more accurate and behaves well while classifying a brain tumour than other methods. As a result, it's clear that CNN models can be put to good use in medical image analysis software development.</p>

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
5	 <p data-bbox="373 753 646 815">Patent granted for Dr. V. Muthulakshmi</p>	<p data-bbox="1283 347 1499 380" style="text-align: center;"><u>Patent Granted</u></p> <p data-bbox="758 389 1860 418">Title of the invention : System and Method for Automated Detection of Digital Modulation Technique</p> <p data-bbox="758 425 978 454">Name of Inventor :</p> <ol data-bbox="758 461 1031 743" style="list-style-type: none"> 1) Marriwala, Nikhil 2) Dr. Anil Vohra 3) Dr. V Muthulakshmi 4) Ashish Sharma 5) Savita Sharma 6) Yogesh Sharma 7) Dr. Inderjeet Kaur 8) Dr. Ravi Mishra <p data-bbox="758 750 1031 779">Patent Number: 384338</p> <p data-bbox="758 786 1220 815">Date of filing of Application : 15/05/2020</p> <p data-bbox="758 821 1087 850">Publication Date: 14/08/2020</p> <p data-bbox="758 857 1058 886">Date of Grant : 15/12/2021</p>

DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	Staff activities	<p>Dr.K.Arun and Mr.KMB Karthikeyan participated in Second International Conference On Engineering Materials, Metallurgy And Manufacturing (Icemmm 2021) On 16 & 17 December 2021 At Sri Sivasubramaniya Nadar (Ssn) College Of Engineering, Kalavakkam, Tamilnadu, India - 603110</p> <p>Title of the Paper: Analysis on Influence of Bucket Angle of Pelton Wheel Turbine for its Structural Integrity Using Aluminium Alloy (A390), Austenitic Stainless Steel (CF20), Grey Cast Iron (325) and Martensitic Stainless Steel (410)</p>
2		<ul style="list-style-type: none"> ➤ Mr.A. Ruskin Bruce was chief guest for the event ,”creating Black Gold”, at St.Joseph’s Institute of Technology on 08th December 2021 ➤ Mr.A.Ruskin Bruce delivered a guest lecture on Importance of Engineering Drawing for Technocrats through online mode on 09/12/2021 from 06:30pm to 07:30 pm organized by department of mechanical engineering , Acharya College of Engineering and Technology

DEPARTMENT OF MBA

S.No	Events	Remarks
December 2021		
	Publication 	<p>Dr.Jayasree Krishnan and Dr.R.Nadanasabai Predictors of Psychological Well-Being of Remote workingEmployees during COVID, Indian Journal of Economics and Business.</p> <p>Dr.K.JawaharRani Critical Analysis of Blue Ocean Principles to Maximize the Business Opportunity and Minimize the Risk for the Success of Uber E-Taxi , Journal of Contemporary Issues in Business and Government</p>
	Patent 	<p>Dr. Karthick R. (Author position 7) And Dr. Joel Jebadurai D. (Author position 8).</p> <p>Patent 1: Title: Application of Marketing Strategies and Tools in Restaurants, patent office journal no 50/2021 dated 10.12.2021</p> <p>Dr. Manikandan M. (Author position 5) Dr. Karthick R. (Author position 6) And Dr. Joel Jebadurai D. (Author position 7).</p>

		Patent 2: Title: Impact of Distance from Physical Stores on Direct E- Commerce Sales, Patent office journal no 49/2021, Dated 03.12.2021.
--	--	---

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
3	FDP/Workshop/Conference	<p><i>NPTEL program</i> 1. Dr. S.M. Prakash received an appreciation certificate for acting as Evaluator in Hackathon program, Toycathon 2021, conducted by Ministry of Education with support of AICTE, Ministry of Education, Ministry of Women and Child Development, Ministry of Textiles, Ministry of MSME.</p> <hr/> <p><i>Participated:</i> 1. Dr. B. Prakash and Dr. S.M. Prakash, attended National webinar on “Recent Advances in Medicinal Chemistry” conducted by “Ayya Nadar Janaki Ammal College, Sivakasi” from 27.12.21 to 28.12.21.</p>