



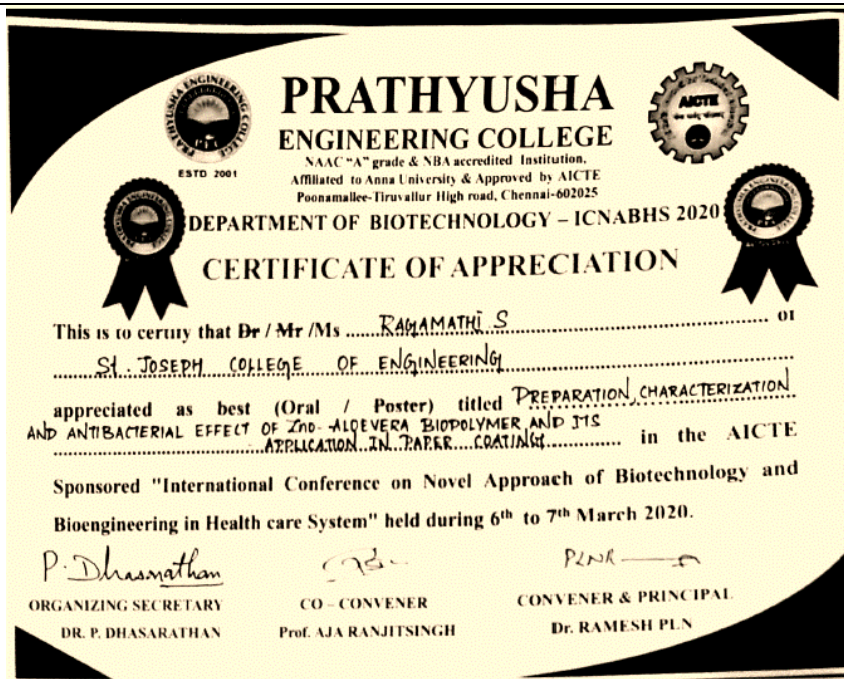
St. Joseph's College of Engineering
 St. Joseph's Group of Institutions
 OMR, Chennai – 119.



MARCH 2020

DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>COLLABARATIVE QUALITY INITIATIVES WITH OTHER INSTITUTIONS</p> <p>Permission for doing project work at Kalasalingam Univ- Regarding 3 messages</p> <hr/> <p>Varsha Josephine <varshajos77@gmail.com> Mon, Jan 27, 2020 at 6:58 AM To: selvaraj.k@klu.ac.in</p> <p>Respected sir,</p> <p>I am writing this mail with request for providing permission to perform an experimental study on rats in Kalasalingam Academy of Research and Education, Krishnankoil for my master's degree project. To introduce myself, am V. Varsha Josephine pursuing final year M. Tech Biotechnology in St. Joseph College of Engineering, Chennai. I am performing my project on the study and activities of a hormonal drug. To check it's activity, I need to perform an experimental study on rats. Also, I would like to inform that I would start my work on February 3, 2020. In this regard, I would be grateful if you could provide me permission for performing the needed experiments. Thanking you. Yours sincerely, V.Varsha Josephine</p> <hr/> <p>Dr. K. Selvaraj IRC-STAFF <selvaraj.k@klu.ac.in> Thu, Jan 30, 2020 at 2:10 PM To: Varsha Josephine <varshajos77@gmail.com> Cc: HOD BIOTECHNOLOGY <hodbio@klu.ac.in>, "Dr. K. Sundar" <sundarkr@klu.ac.in></p> <p>Dear Varsha</p> <p>I would accept your invitation for handling the project in the Kalasalingam Academy of Research and Education, Krishnankoil. The project need to be started on February 03, 2020. Kindly make your presence in the department.</p> <p>With regards Selvaraj K [Quoted text hidden]</p> <p align="center"><i>Email correspondance of student acceptance</i></p>	<p align="center">COLLABARATIVE QUALITY INITIATIVES WITH OTHER INSTITUTIONS</p> <p>Ms. Varsha Josephine of II year M. Tech Biotechnology is doing part of her research work at the Kalasalingam Academy of Research and Education, Krishnankoil under the collaborative research program for a period of 2 months from February to March, 2020.</p>
2.	<p align="center">AWARDS/PRIZE WON BY STUDENTS</p>	<p align="center">AWARDS/PRIZE WON BY STUDENTS</p> <p>Ms. Ragamathi. S of II year M. Tech Biotechnology has</p>



Certificate of Appreciation for the event Paper Presentation



Ms. Ragamathi receiving the certificate of appreciation

presented research paper titled “**Preparation, Characterization and Antibacterial effect of ZnO – Aloe vera biopolymer and its application in paper coating**” in the AICTE sponsored **International Conference on Novel Approach of Biotechnology and Bioengineering in Health care system** organized by **Prathyusha Engineering College**, Chennai on 6th & 7th March, 2020 and won **Best Paper Award**

Ms. Vidhya P of II year M. Tech Biotechnology has presented research paper titled “ **Preparation of biocompatible and biodegradable food packaging polymeric film through Green Synthesis Approach**” in the **International Conference on Research Advancements & Challenges in Engineering Sciences ICRACE’20** organized by Velammal Institute of Technology, Chennai on 6th & 7th March, 2020 and won **Best Paper Award**

Mr. Raghul Reddy S M of IV year B. Tech Biotechnology has presented research paper titled “**Biochar efficiency on gaseous emissions, physico-chemical and microbial community during livestock manure in-vessel composting process**” in the **National Level Conference on Innovative and Integrated Approaches towards Pollution Abatement** organized by SRM Institute of Science and Technology, Chennai on 12th & 13th March, 2020 and won **First Prize with Rs. 2000** as cash prize.

Mr. Jose Pandian S of IV year B. Tech Biotechnology has presented research paper titled “**Biochar efficiency on gaseous emissions, physico-chemical and microbial community during livestock manure in-vessel**



Certificate of Appreciation for the event Paper Presentation

composting process” in the **National Level Conference on Innovative and Integrated Approaches towards Pollution Abatement** organized by SRM Institute of Science and Technology, Chennai on 12th & 13th March, 2020 and won **First Prize** with **Rs. 2000** as cash prize.

Mr. Viraraghavan L K of III year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in Biotechnology** during 12th – 14th March, 2020 and won **First Prize**.

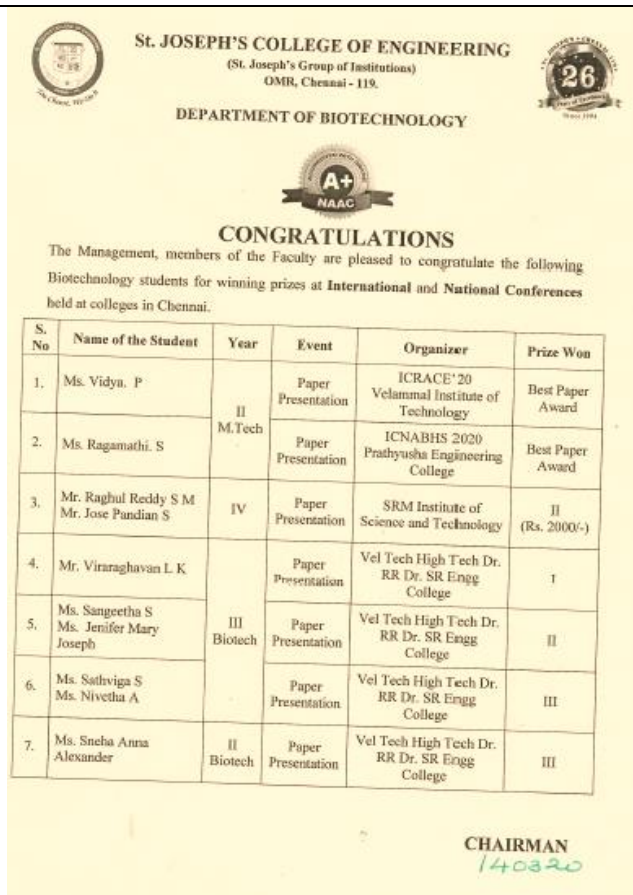
Ms. Sangeetha S of III year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in Biotechnology** during 12th – 14th March, 2020 and won **Second Prize**

Ms. Jenifer Mary Joseph S of III year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in Biotechnology** during 12th – 14th March, 2020 and won **Second Prize**

Ms. Sathviga S of III year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in Biotechnology** during 12th – 14th March, 2020 and won **Third Prize**

Ms. Nivetha A of III year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in Biotechnology** during 12th – 14th March, 2020 and won **Third Prize**

Ms. Sneha Anna Alexander of II year B. Tech Biotechnology has presented paper in **BIOTHRONE-2020**, a **National Conference on Recent Trends in**



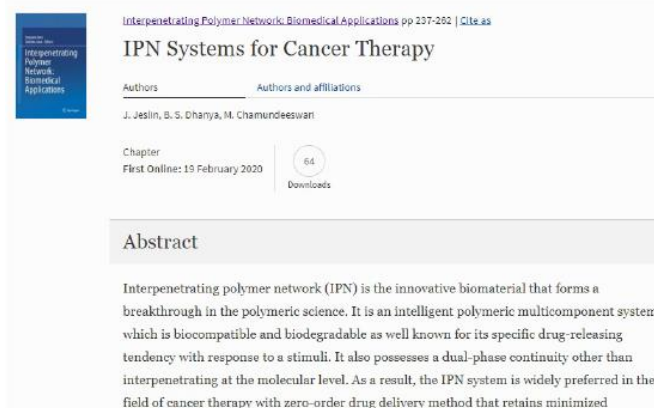
Circular Copy of Prize Winners

Biotechnology and during 12th – 14th March, 2020 won **Third Prize**

3. INDUSTRIAL PROJECTS DONE BY STUDENTS

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PUBLICATIONS(ONLY PUBLISHED) DETAILS



Copy of Book chapter

**PUBLICATIONS(ONLY PUBLISHED) DETAILS
BOOK CHAPTER PUBLISHED**

G. Baskar, N. Supria Sree has published research paper on “Anticancer activity of gelatin-asparaginase nanobiocomposite against cervical and brain cancer cell lines” in the **Journal of Drug Delivery Science and Technology**, Vol 57 (2020). **(IF-2.606)**.
<https://doi.org/10.1016/j.jddst.2020.101689>

J. Iyyappan, **G. Baskar**, B. Bharathiraja, M. Gopinath has published paper on “Enhanced malic acid production using *Aspergillus niger* coupled with In situ product recovery” in

4.

Anticancer activity of gelatin-asparaginase nanobiocomposite against cervical and brain cancer cell lines

G. Baskar^a, N. Supria Sree

^aDepartment of Biotechnology, R. Jayalal College of Engineering, Chennai, 600106, India

ARTICLE INFO

Keywords:
 Asparaginase
 Nanobiocomposite
 Brain cancer cell line
 Cervical cancer
 Anticancer activity

ABSTRACT

L-Asparaginase acts as a therapeutic agent for cancer. The free L-asparaginase has immunizable side effects on the human body. The source of L-asparaginase also plays a major role in the effectiveness of the therapeutic agent. In the present research work, L-asparaginase was produced from a fungal strain *Aspergillus oryzae*. The free enzyme was then immobilized onto a nanobiocomposite consisting of Gelatin and β -cyclodextrin. Both Gelatin and β -cyclodextrin are biodegradable and are non-toxic. The nanobiocomposite was subjected to characterization studies like the UV-Vis spectra analysis which confirmed the presence of the nanobiocomposite. The FTIR analysis of the nanobiocomposite confirmed the functional group present in the nanobiocomposite. The NMR analysis confirmed the chemical shift of the nanobiocomposite. The AFM analysis was used to study surface morphology of the nanobiocomposite. The anticancer activity for the brain cancer cell line and cervical cancer cell line was found to be 42.13%, at 500 μ g/ml and 48.66% at 62.5 μ g/ml respectively.

1. Introduction

L-Asparaginase enzyme has antitumor properties which can be used for chemotherapeutic applications [1]. The enzyme L-asparaginase has a significant part in the degradation of the asparagine amino acid, reducing the acrylamide formation in food and is also used as a bio-sensor for analytical applications [2]. L-asparaginase is an aminohydrolase hydrolyzes L-asparagine to Aspartic acid and ammonia. Non-pathogenic cells are not capable of synthesizing L-asparaginase synthetase which is available in normal cells for the conversion of L-asparagine to L-asparaginase [3]. Most commonly used asparaginase are from the bacterial sources. They show some amount of toxicity which is due to the presence of mild activity of glutaminase [4]. Prolonged use of bacterial L-asparaginase provokes hypersensitivity which results in anaphylaxis. Using asparaginase from sources other than bacteria can ease the detrimental effects [5]. Fungal asparaginase has less possibility for immune toxic reactions [2].

Formulation of drugs is done with the help of Nanotechnology in order to develop the prevailing therapies [6]. The carriers which are used in drug delivery are the natural polymers. These natural polymers are used extensively as they are degraded by hydrolysis into biologically components. After the degradation of the polymer, the incorporated therapeutic agent is left behind [6]. The natural polymer prepared from collagen of animal tissues by acid and alkaline

processing to Gelatin [7]. Gelatin is a denatured protein [8]. It is made of permeable matrix which can conveniently pass through the cells [9]. They have been widely used for their biocompatibility, non-toxicity, non-oncogenicity and biodegradability [10,11]. It is also inexpensive and is highly available [12]. Apart from these uses, they also have a vast variety of applications in drug delivery and wound healing [7,13]. One of its distinct features is that the swelling power of gelatin is same to the human body temperature [14].

Cyclodextrin is mostly used in nanoparticle based drug delivery [15]. The common natural cyclodextrins are α -, β -, and γ -cyclodextrin (CD) which consists of 6, 7 and 8 glucopyranose units respectively. Inclusion complexes are formed by hydrophobic interaction on the inner side of the cyclodextrin rings and the hydrophilic side of the guest molecule [16]. Inclusion complexes are formed mainly by physical attraction and not by covalent bonding [17]. Most commonly used cyclodextrin is the β -cyclodextrin. β -Cyclodextrin is a natural molecule derived from starch which is appropriate for drug loading as it is soluble in water, inexpensive and non-toxic [18,19]. β -Cyclodextrin can adapt itself in nanoparticle surface to help them bind to different guest molecules [20].

In present work, the fungal L-asparaginase was incorporated onto nanobiocomposite, in order to improve the bioavailability of the asparaginase and to increase the effectiveness of anticancer activity. Nanobiocomposite was synthesized using gelatin and β -cyclodextrin as

^{*}Corresponding author.
 E-mail address: baskar094@gmail.com (G. Baskar).

<https://doi.org/10.1016/j.jddst.2020.101680>
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 Available online 29 March 2020
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Copy of Publication

the Journal **Bioresource Technology**, (IF-26.667).
<https://doi.org/10.1016/j.biortech.2020.123259>

Dr. Chamundeeswari M has published a book chapter on the title **“Algal Biotechnology: A sustainable route for Omega-3 fatty acid production”** in the book titled **“Microalgae Biotechnology for Food, Health and High Value Products”**, Published in Springer.

Dr. Chamundeeswari M has published a book chapter on the title **“IPN Systems for Cancer Therapy”** in the book titled **“Interpenetrating Polymer Network: Biomedical Applications”**, Published in Springer.

5. FUNDED PROJECTS

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6.

ALUMNI MEET



Alumni Student delivering career guidance to Biotech students

ALUMNI MEET

As a part of career guidance program and on the mark of **Silver Jubilee Celebration** the department has organized alumni meet on **7th March, 2020** for Biotech students with Successful alumni for sharing their experiences and industrial opportunities.

Alumni students from various batches from the year 2006 to 2018 have attended the meet and shared their individual experience in career growth. They have also guided students on various industrial opportunities, higher studies in India and abroad.



Group Photo at Alumni Meet

STAFF CONFERENCE PRESENTATION



Ms. Preethy certificate of participation

STAFF CONFERENCE PRESENTATION

Dr. Baskar G has presented paper titled “**Application of Machine Learning Approach for Designing the Affinity Improved Mutant Variant of the Anticancer Antibody-Drug Trastuzumab Towards its Antigen Her2**” in the **International Conference on Drug Discovery (ICDD) 2020** Organized by Schrödinger Inc, USA in collaboration with BITS Pilani Hyderabad during 29th February – 2nd March, 2020.

Dr. Baskar G has presented paper titled “**Potential of Bamboo Biochar in Livestock Manure Composting: Effective Changes on Nutrient, Morphological and Greenhouse gas Emissions**” in the **International Conference on Frontiers in Sustainable Agriculture and Biological Sciences (FSABS - 2020)** organized by the department of Botany, Periyar University, Salem, Tamil Nadu during 16-17 March, 2020.

Dr. Baskar G has presented research paper titled “**Biochar efficiency on gaseous emissions, physico-chemical and microbial community during livestock manure in-vessel composting process**” in the **National Level Conference on Innovative and Integrated Approaches towards Pollution Abatement** organized by SRM Institute of Science and Technology, Chennai on 12th & 13th March,





Dr. Chamundeeswari certificate of participation


2020.

Ms. Preethy K R has presented research paper titled “A novel approach for the production of bioplastic from dairy industry effluents” in the **National Level Conference on Innovative and Integrated Approaches towards Pollution Abatement** organized by SRM Institute of Science and Technology, Chennai on 12th & 13th March, 2020.

Dr. Chamundeeswari M has participated in the 45th edition of BRIDGE 2020 – Chennai organized by ICT Academy on 26th February, 2020 at IITM research park, Chennai.

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

S.No.	Title of the Events and Photographs	Details of the Event
<p align="center">1</p>	<p align="center">National level symposium</p> 	<p>Organiser: MIT</p> <p>Event: INTECHO '20</p> <p>Date: 7 march 2020</p> <p>No of prize winners: 8 (III Year)</p>
<p align="center">2</p>	<p align="center">Poster Presentation</p> 	<p>Conducted by: Instrumentation & Control Club</p> <p>Venue: Measurement and Instrumentation lab</p> <p>No. of Participants : 41 (II & III Year)</p> <p>Date: 09 and 10 March 2020</p> <p>Objective: Recent trends</p>

3	INTERNSHIP	<p>Conducted by: GeeksGod.Com</p> <p>No. of Participants : 1(Flora sashya)</p> <p>Date: 18-1-2020 to 10-3-2020</p> <p>Objective: Technical Blogging Internship</p>
		


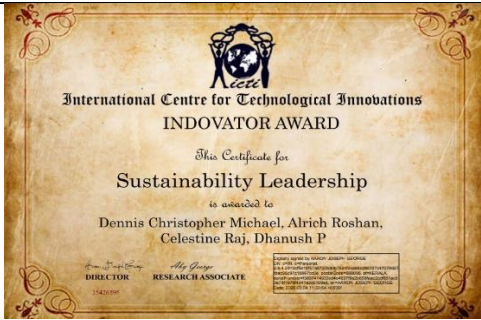


DEPARTMENT OF SCIENCE


Sl. No.	Events	Remarks
1	Value added Courses/Courses other than VAC	<ol style="list-style-type: none"> 1. SURIYA PRAKASH N - I ECE – C has attended GUVI - webinar course, on 31st March, 2020. 2. RANJITH ROSHAN M - I ECE – C has attended HTML & CSS course - GUVI, on 29st March, 2020. 3. SIBI SELVAN S - I ECE – C has attended GUVI tech- HTML & CSS course, on 25th March, 2020. 4. SUSHANTH KRISHNAMITHRAN - I ECE – C has attended GUVI online course on HTML and CSS, on 28th March, 2020. 5. RAMA KRISHNAN H - I ECE – C has attended GUVI Certified HTML & CSS course, on 26th March, 2020.
2	Competitions attended by students	<ol style="list-style-type: none"> 6. DEEPTI V & NANGAI SRI – I EIE & ICE have participated in National level online COVID 19 quiz conducted by Sri Ramakrishna college of arts and science on March 2020.
3	Publications(only published) details	<ol style="list-style-type: none"> 1. Ms. A. Arulmozhi has published a paper titled, Synthesis, structural, tunable-luminescence spectra and quenching behaviour of Sm³⁺ ions activated Ba₁-Bi_xTiO₃ phosphors for LED applications, in the journal Optik, Volume 205, Article number 164252 published by Elsevier.

DEPARTMENT OF MATHEMATICS AND ENGLISH


Events	Remarks														
FDP/Workshop/Conference	<p>Conference:</p> <p>Dr. P. Agilan presented a paper entitled “Classical and fixed-point approaches to the stability of generalized functional equations in fuzzy normed spaces”, in International Conference on Mathematical Sciences at Sathyabama Institute of Science and Technology, Chennai on February 21-22,2020.</p>														
Competitions attended by students	<table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 10%;">S. No</th> <th style="width: 35%;">Name of the Student</th> <th style="width: 20%;">Event</th> <th style="width: 35%;">Organizing College</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>K. Kavvya</td> <td rowspan="2" style="text-align: center;">Paper Presentation</td> <td>Sri Sai Ram Engg College, Chennai</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Theresa Kasthuri Dinah</td> <td>Sri Sai Ram Engg College, Chennai</td> </tr> </tbody> </table>	S. No	Name of the Student	Event	Organizing College	1	K. Kavvya	Paper Presentation	Sri Sai Ram Engg College, Chennai	2	Theresa Kasthuri Dinah	Sri Sai Ram Engg College, Chennai			
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Publications(only published) details	Mr. V. Sabarethinam, “Infusion of Heroism, Romance and History in Jaishree Mishra’s Rani”, Studies in Indian Place Names, ISSN no. 2394-3114, Vol:40 issue: 48, Month: March Year: 2020, Pages: 417-420														
Other activities	Dr.K. Sasikala awarded ELITE Certificate from NPTEL Swayam														

DEPARTMENT OF EEE

S.No	Events	remarks
March 2020		
1	 <p style="text-align: center;"><i>PIC: 2nd year students presenting working model in project display</i></p>	<p>Our department Technical seminar had been conducted two periods per week. In second year A section there are 13 batches and B section there are 12 batches and C section there are 13 batches. Each batch has 4 to 5 students. Each batch had come with a working model. The final presentation of the Technical seminar was held on 6th march 2020 in Electrical Machines Lab. Dr. T.D.Sudhakar, Dr. N.Chidambararaj, Dr. V. Krishna Kumar, Dr.V..Chamundeewari, act as judges of the event. Best two working models in each section had been selected.</p>
2	 <p style="text-align: center;"><i>PIC: indvovator Award certificate</i></p>	<p>Our students of Electrical and Electronics Engineering Dennis christoper Michael, Alrich Roshan, Celestine raj and Dhanush P got Indovator Award for Sustainability leadership on 04/03/2020</p>
3	 <p style="text-align: center;"><i>PIC: indvovator Award certificate</i></p>	<p>Our students of Electrical and Electronics Engineering Sowmiya M, Madhu Preetha and Krishaa PR got Indovator Award for Outstanding social commitment award on 04/03/2020</p>
4	 <p style="text-align: center;"><i>Pic: Mr.Sushil david with the ARMY ACHIEVEMENT MEDAL</i></p>	<p>Our alumni Mr Sushil david bright suresh, HHC, 1st Battalion, 181 infatry got “The ARMY ACHIEVEMENT MEDAL” The United states ARMY, the nation’s first on 22 feb 2020</p>

5	 <p style="text-align: right; font-size: small;">2020.02.27 14:14</p> <p>PIC: Ill year students presenting working model in mini project display</p>	Our students of Electrical and Electronics Engineering presenting working model in mini project display on 27/02/2020 in machines lab
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6	<table border="1"> <thead> <tr> <th>Student Name</th> <th>Name of the internship</th> <th>Date of internship</th> </tr> </thead> <tbody> <tr> <td>Haritha</td> <td>Cognizant</td> <td>14 Dec To 13 April</td> </tr> <tr> <td>Jeevitha Magdalene</td> <td>Cognizant</td> <td>14 Dec To 13 April</td> </tr> <tr> <td>Kavitha R</td> <td>Cognizant-Advanced Java</td> <td>14 Dec To 13 April</td> </tr> <tr> <td>Mari Saravanan</td> <td>Ui/Ux Designing</td> <td>26 Feb - 26 May</td> </tr> <tr> <td>Meenu Preethi</td> <td>Cognizant-Advanced Java</td> <td>14 Dec To 13 April</td> </tr> <tr> <td>Pavithra A</td> <td>Cognizant-Advanced Java</td> <td>14 Dec To 13 April</td> </tr> <tr> <td>Priyadharsini</td> <td>Cognizant-Dotnet</td> <td>14 Dec To 13 April</td> </tr> </tbody> </table>	Student Name	Name of the internship	Date of internship	Haritha	Cognizant	14 Dec To 13 April	Jeevitha Magdalene	Cognizant	14 Dec To 13 April	Kavitha R	Cognizant-Advanced Java	14 Dec To 13 April	Mari Saravanan	Ui/Ux Designing	26 Feb - 26 May	Meenu Preethi	Cognizant-Advanced Java	14 Dec To 13 April	Pavithra A	Cognizant-Advanced Java	14 Dec To 13 April	Priyadharsini	Cognizant-Dotnet	14 Dec To 13 April	Our students of Electrical and Electronics Engineering got internship in various company
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7		<p>Our students of Electrical and Electronics Engineering completed the online course during march 2020</p> <table border="1"> <thead> <tr> <th>Student Name</th> <th>ONLINE COURSE</th> </tr> </thead> <tbody> <tr> <td>AAKANKSHA SINGH</td> <td>1)Completed online course titled "Machine learning " conducted by GUVI on 24/3/20 2)Completed online course titled "Auto Cad" conducted by GUVI on 31/3/20</td> </tr> <tr> <td>AARTHI N T</td> <td>1)Completed online course titled "Machine learning " conducted by GUVI on 24/3/20 2)Completed online course titled "Auto Cad" conducted by GUVI on 31/3/20</td> </tr> <tr> <td>ABI ANTOLIN</td> <td>1)Completed online course titled "Machine learning "by GUVI on 23/03/2020 2)Completed online course titled "Python"by GUVI on 30/03/2020</td> </tr> </tbody> </table>	Student Name	ONLINE COURSE	AAKANKSHA SINGH	1)Completed online course titled "Machine learning " conducted by GUVI on 24/3/20 2)Completed online course titled "Auto Cad" conducted by GUVI on 31/3/20	AARTHI N T	1)Completed online course titled "Machine learning " conducted by GUVI on 24/3/20 2)Completed online course titled "Auto Cad" conducted by GUVI on 31/3/20	ABI ANTOLIN	1)Completed online course titled "Machine learning "by GUVI on 23/03/2020 2)Completed online course titled "Python"by GUVI on 30/03/2020
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		ADELINE AARTI J	<p>1)Completed online course titled "Machine learning 101" by GUVI on 25/3/20</p> <p>2)Completed online course titled "Autocad" by GUVI On 26/3/20</p> <p>3)Completed online course titled " powerBI" by GUVI on 27/3/20</p> <p>4)Completed online course titled "Sequence model" by GUVI on 25/3/20</p> <p>5)Completed online course titled "Encoder decoder models" by GUVI on 26/3/20</p> <p>6)Completed online course titled "Introduction to object selection, getting started, MongoDB" by GUVI on 28/3/20</p>
		AKSHAYA S	<p>1)Completed 6 weeks online course titled "Python programming" by Intershala</p> <p>2)Completed 45 hours online course titled "web development" bby Udemy</p> <p>3)Completed 43 hours online course titled "learnathon,java " by GUVI</p>
		ALAMELU S M	<p>1)Completed online course titled "Machine learning "by GUVI on 23/03/2020</p> <p>2)Completed online course titled "Python"by GUVI on 30/03/2020</p>
		AMIRTHA R	<p>Completed online course titled "Deep learning"organized by GUVI on 25/03/20</p> <p>2)Completed online course titled "Machine Learning" organized by GUVI on 24/03/20</p> <p>3)Completed online course titled"Computational thinking"organized by Google on 31/03/20</p> <p>4)Completed online course titled"C programming"organized by Google by on 31/03/20</p> <p>5)Completed online course titled"Java 8"organized by Google on 31/03/20</p> <p>6)Completed online course titled"Powerbi"organized by GUVI on 26/03/20</p> <p>7)Completed online course titled"Autocad"organized by GUVI on 27/03/20</p> <p>8)Completed online course titled"struts"organized by GUVI on 28/03/20</p> <p>9)Completed online course titled"HTML & CSS"organized by GUVI on on 27/03/20</p> <p>10)Completed online course titled"AWS"organized by Google on 27/03/20</p> <p>11)Completed online course titled"Game development using pygame"organized by Google on 27/03/20</p> <p>12)Completed online course titled"Product development</p>

		interview preparation"organized by GUVI on 31/03/20 13)Completed online course titled"Fundamentals of digital marketing"organized by GUVI on 31/03/20
A S KEERTHANA A SRI		Completed online course titled "Machine Learning" by GUVI
AUXILIYA A		1)Completed online course titled"Powerbi"organized by GUVI 2)Completed online course titled"Autocad"organized by GUVI 3)Completed online course titled"struts"organized by GUVI 4)Completed online course titled"HTML & CSS"organized by GUVI 5)Completed online course titled "Machine Learning"organized by GUVI 6)Completed online course titled "Deep Learning" organized by GUVI

DEPARTMENT OF ECE

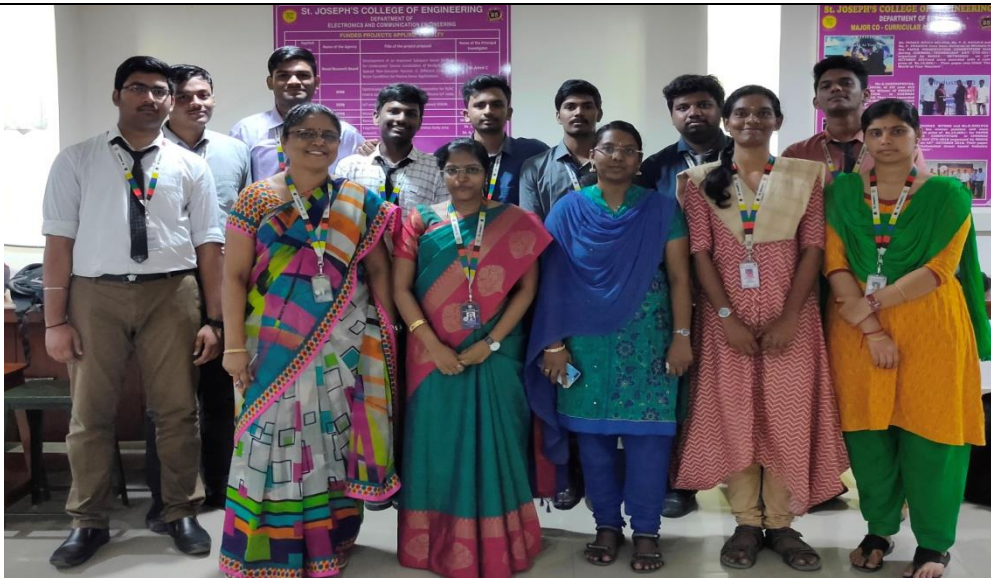
1.Alumini Meet 2020	Event Details
	<p>The Alumini Meet 2020 was held on 7th of March. Our Principal Dr.Vaddi Seshagiri Rao welcoming all the Alumni. He updated the alumni about the institution achievements and rankings. He explained the role of alumni during NBA accreditation and NAAC visits and briefed the importance of this meet. On behalf of our ECE department, Dr.B.Victoria Jancee HOD staff-affairs addressed the alumni members and presented the Mission, Vision and objectives of the department. The progress of our department and silver jubilee celebration of our college were briefed out by Dr.P.Ezhilarasi HOD Lab affairs. Mrs.Nirmala Joseph (Batch of 2003) Executive Director, Soft Logic Systems shared her experiences and trends in recent developments in IT industry. She emphasized the importance of coding skills that they should develop a desire for continuous learning and possess a passion toward modern engineering tools. Mr.Joshua Gerard(Batch of 2009) Technical partner TATTI shared his experiences right from his college days to a successful entrepreneur. He discussed the difficulties that one would face when planning to start up an industry.As an alumni contribution towards our college he announced that he can provide both technical support for aspiring students. Mr.Shelton Maheres (Batch of 2010) briefed up his experienced and insisted the importance of higher studies which is essential when one wants to</p>



go for higher position. He clarified the different domains of post graduate courses and the research that they can carry out after their PG program. **Mrs.Divya Mona (Batch Of 2011)** shared her views and provided tips in getting core company placements. She urged the students to learn modern tools that are currently practiced in the industry. She also suggested doing mini projects during the course of study and participating in project competitions. The meeting ended with vote of thanks by **Dr.S.Aghalya** HOD Student affairs.

2. LABVIEW Training

Event Details



A LABVIEW training was conducted by National Instruments during 14.2.2020 to 20.2.2020(7 days) for the preparation of the students to write the certified LABVIEW Associate Developer (CLAD) exam. Ten students attended the training and cleared the exam.

3. Publications:


The following staff members have published their research papers during the month of March 2020 in the various international/national journal/conferences

S. No.	Name of the Author	Title of the Publication	Name of the Journal/Conference	Date and Year of Publication
1	Mr.R.Parthasarathy	Design of Compact Highpass Filter for 5G MM-Wave Applications using Complementary Split Ring Resonator	Frequenz-Rf and Telecommunication Engieering	March 2020
2	Dr.S.Shirley Selvan	Classification of Abnormal masses in Ultrasound Elastography breast images	Procedia Computer Science 2019	February 2020

DEPARTMENT OF CHEMICAL ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
1	Publications	Mr S Vinod Kumar & Dr R Baskaran published a paper on INTEGRATED MEMBRANE OPERATIONS FOR PROVIDING CLEAN WATER FOR HUMAN NEEDS AND SUSTAINABLE INDUSTRIAL GROWTH, Volume XII, Issue III, MARCH 2020. Page No: 5411-5417 ,Journal of Xi'an University of Architecture & Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	<p>“Code March” – A Online Coding Competition</p> 	<p>Date : 28.03.2020 Venue : Online mode Programme Name: Code March Nature of Programme : Online coding competition Number of participants : 93 Resource Persons : IEEE Office bearers</p> <p>Objective: To enhance the ability of the student to think about the tricky problems and provide a code for it considering the time and space complexities by fulfilling all the test cases in it. The event was hosted from 6 p.m. to 8 p.m. in HackerRank where 77 students have enrolled in it. The winners were selected on the basis of time of completion and the success of test cases.</p> <p>Outcome: It tries to recollect the concept behind the programming languages and improves the student’s ability to solve the questions during placements and thus creating a platform to train themselves</p>

DEPARTMENT OF MBA

- 1) **First Session “Finance as career option” by Mr. Suresh, COO, India Cements Capital on 04.03.2020.**



“SEMINAR ON CAREER PLANNING

On 4th March 2020 department of MBA organised an event on career planning. The event consisted of 300 students as participants from St. Joseph's College of engineering. The convenor of this event is Dr. Nadana Sabai, who provided a lot of support that made this event in a grand successful manner. This event got additional value with the presence of our Chief guest Mr. Suresh from India Cements Capital, Mr. Arun Kumar Davey, OD consultant and Mr. Nagaraja Kumar from L&T rubber processing. This event contains 3 sessions, which started from 10:00 AM to 2:45 PM.

The first session was presented by our Chief Guest **Mr. Suresh** on the topic on “Finance as career option”. His session started importance in finance in industry and various career options on finance based on managerial finance and finance services. He spoke about various designation available in finance sector along with their role in organisation and how to acquire them. He gave various example with his day-to-day work life. He guided the students how to build up their career, as it is life long process by self-assessing our potential, life style and personality. He also gave researching various attributes in choosing your dream job. He also stressed on the point career is basis for our life style.

2. **Second Session “Marketing as career option “by Mr.Arun Kumar Davey, OD, Consultant on 04.03.2020.**



The second session of the event was on Marketing given by **Mr. Arun Kumar Davey**. As he started the session by saying “MBA is not a qualification but a lifestyle” and with how experiences turn out from mistakes. He also highlighted a point “In what way we are different from others”. He gave various examples of his experiences faced with students during recruitment for marketing, he highlighted the points the recruiters expect from the marketing students by encouraging students to be unique and special from others and to do different courses in addition to MBA. As he said just a passport to the industry. He spoke on various job opportunities in the marketing stream. The four qualities that marketing students must acquire are managerial quality, analytical skill, technical skill and communication skill. Mr. Arun Kumar Davey concluded his session with a story of five friends who chose different paths in the life to reach the destinations without following each

3 **Third Session “Human Resource as career option “by Mr.Nagaraja Kumar, L&T Rubber Processing, on 04.03.2020.**



The third session started by **Mr. Nagaraja Kumar** on Human Resource as career option. He started the session by giving few stories on attitude of humans and how to deal with them. He also stressed that listening is very essential in human resource management. He also told Human Resource is a very good choice especially for women. He spoke about various career opportunities in human resource management and gave few his own examples on how he handles the people in his organisation. He ended the session with a note saying human resource does not only consist of recruitment and hiring but have various functions in it. The event enriched with lot of career planning and development ideas, where the students thank the department for giving them for such a great opportunity.



LEGAL AWARENESS PROGRAMME FOR WOMEN

The Department of MBA organized and conducted two days national level workshop sponsored by National Commission for Women, New Delhi entitled " Legal awareness programmed for women" the two days session was based on "Women and Indian Constitution and Cyberlaw" on 5th and 6th March 2020. The audience was 125 participants including students, teaching employees in education institutions, arts & science, engineering, universities & women working in the retail sector. The commencement of the workshop began with the Inauguration Ceremony Enlightened by the chief patrons our beloved Managing Director Mrs. S. Jessie Priya, M.Com., our beloved director Mr.B.ShashiSekar, M.Sc., INTL. Business, our beloved principal Dr.VaddiSeshagiri Rao, M.E., M.B.A., Ph.D., and Head of MBA department Dr. Jayasree Krishnan along with our chief guests.

This program aims to create awareness among women in two Specific areas: Women and Indian Constitution and Cyber Law to give a deep insight into these topics each day. The first day was on Women and Indian constitution which was jam-packed with three sessions. The first session Chief speaker was Ms. D Nagasaila Senior Advocate High Court, Chennai. She started the session with the basic information regarding the right to access, the right to justice, and the right to education. She contended the students with 5 fundamental rights quoting " Women's rights are human rights and human rights are women's rights".

The second session began at 11.15 AM honored by a chief speaker Ms. R S Akila, Advocate High Court, Chennai. She also explained the importance of privilege of women, constitution and women relationship,

and strategies in protests. She shared case studies of powerful women and

Inaugural Session- “Women’s Empowerment”

Seminar on “**Women’s Empowerment**” Inaugurated by Ms. Latha Pandiarajan, on 11/03/2020 in presence of Managing Director, Principal, Dean, HOD MBA.



Cyber law and how cyber law plays a vital role in women's life. They also gave the students a brief idea about cybercrimes, how they occur in the computer, and how to protect all the transactions happening in cyberspace. The national-level legal awareness programmed gave a deep insight and awareness to the students regarding the Women and Indian Constitution and cyber law and the students bagged a lot of knowledge through real-time missiles and case studies related to the topic.

“WEAR YOUR CROWN WITH PRIDE” SEMINAR ON WOMEN EMPOWERMENT

On 11th March 2020 department of MBA organised an event on account of Women’s Day celebration titled “**Wear your crown with pride**”. The event consisted of 300 girls as participants from St. Joseph’s College of Engineering and St. Joseph’s institute of Technology. The convenor of this event is **Dr. Jayasree Krishnan**, who provided a lot of support that made this event in a grand successful manner. This event got additional value with the presence of our Chief guest **Dr. Latha Pandiarajan**, Co-founder of MAFOI consultancy. This event contains 3 sessions which started from 10:00 AM to 2:45 PM. The first session was presented by our Chief guest Dr. Latha Pandiarajan on the topic on “Women Empowerment”. Her session started with “Is it important to celebrate Women’s day?” and she came with answer that celebration is important to value the uniqueness of the Woman species. She has bookmarked our women life in 3 stages. **First** women should have Education to enlighten herself. **Second**, she should be financially stable in her life to make her voice heard by this society. **Third** is Knowledge which gives power to

Second Session;

Ms. Sowmya Mahadevan is delivering a seminar on “Business Opportunities for Women”.



essential for women “knowledge, Attitude, Skills, Habit”. She concluded by inculcating in the women with inspirational words “you get for yourself only when you have faith in you”.



The second session was presented by **Mrs. Sowmya Mahadevan**, COO at TIE on the topic “**Business opportunities for women**” at 11:00 AM. The session started with the history of March 8 being called as Women’s day. She gave a wide insight on the various fields and opportunities available for women to shine. She insisted the students to keep on trying until they feel comfortable with the discomfort. She also explained the role of “Oh! But what will the society say” and elucidated the restrictions kept forward by society. She thus enlightened the confidence and the power of habit in the students.

Third Session;


Dr. Janani, Motivational speaker, she is delivering a seminar on “Wonder Women”.



The third session was presented by **Dr. Janani Rex**, a women entrepreneur, renowned and internationally acclaimed Motivational speaker and founder of REXPRIDE TRAINING AND DEVELOPMENT on the topic “**Wonder Women**”. She inspired the students to choose their thoughts to make their life magical. She explicated the sequence of how everything becomes reality and also the 5 major principles to be followed to be a wonder woman “**to be a warrior, to be diligent, to be brave and bold, to be compassionate, and to be steadfast**”. She also encouraged the students to live an extraordinary life rather choosing an ordinary life. She concluded the presentation with words “let you not live an ordinary life and live a wonder women life”.

	<p>Vaishni V and Nanratha Atluri, participated and presented their paper, titled, “A study on impact of Artificial Intelligence on Human Resource Management”, in One day International Conference on Emerging Trends & Practices of Business Leadership in the Digital Era, organized by University of Madras, on 6th March 2020.</p>						
	<p>The following students of MBA completed their online course during March 2020</p> <table border="1" data-bbox="995 485 1923 815"> <thead> <tr> <th data-bbox="995 485 1226 581">STUDENT NAME</th> <th data-bbox="1226 485 1923 581">ONLINE COURSE</th> </tr> </thead> <tbody> <tr> <td data-bbox="995 581 1226 677">Keerthana S</td> <td data-bbox="1226 581 1923 677">Completed online course titled, “Digital Marketing”, by Future Learn, on 27/03/2020</td> </tr> <tr> <td data-bbox="995 677 1226 815">Monisha M</td> <td data-bbox="1226 677 1923 815">Completed online course titled, “Digital Marketing”, by Future Learn, on 29/03/2020</td> </tr> </tbody> </table>	STUDENT NAME	ONLINE COURSE	Keerthana S	Completed online course titled, “Digital Marketing”, by Future Learn, on 27/03/2020	Monisha M	Completed online course titled, “Digital Marketing”, by Future Learn, on 29/03/2020
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DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Photographs Captured During Events	Remarks
	<p>Workshop on “Construction Management using Primavera P6” for ICI student Chapter members held on 12.03.2020</p> 	<p>workshop on “Construction Management using Primavera P6” was organised on 12.03.2020 for Indian Concrete Institute (ICI) student chapter members. It was supported by CADD CENTRE, Thiruvanniyur, Chennai. Total 42 students attended the workshop. The workshop was focused on Construction management and a hand on training was given to the participants on Primavera P6 software. The workshop coordinated by Prof.S.P.Senthil Kumar and supported by Dr.K.Vijai and Mrs.S.Supriya</p> <ul style="list-style-type: none"> • Prof.S.P.Senthil Kumar, Mr.A.Vignesh, Mr.A.Vijairam presented the paper titled “Thermal behaviour of concrete using phase change material and strengthening by basalt fiber” in 8th International Conference on Contemporary Engineering and Technology 2020 organized by ORGANIZATION OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY (OSIET) & Prince Shri Venkateshwara Padmavathy Engineering College, Chennai conducted on 14.03.2020 to 15.03..2020

		<p>Prof.S.P.SenthilKumar, Mr.Sakthivelu, Mr.Sriharish presented the paper titled “Experimental study on Egg shell powder as partial replacement of cement in Permeable concrete” in 8th International Conference on Contemporary Engineering and Technology 2020 organized by ORGANIZATION OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY (OSIET) & Prince Shri Venkateshwara Padmavathy Engineering College,Chennai conducted on 14.03..2020 to 15.03.2020</p>
	<p>Publications(only published) details</p>	<p>Adlin Rose R, BP Jain, D Ramya and M.Nila have published a paper ‘Performance of Contaminated Soil blended with Sodium Silicate’ in Silicon, Springer Nature , ISSN:1876-990X, March 2020</p> <ul style="list-style-type: none"> ● S.Thangaperumal, Cyril Magimai Antoz A and Shivaharan R has published a paper as a title 'Marina Shoreline Change Detection Using Remote Sensing and GIS' in International Journal of Civil Engineering & Technology (IJCIET), Volume 11, Issue 3, March 2020, pp. 85-96 [Scopus Indexed]. ● S.Thangaperumal, Muthu Maneckam.N, Nachiappan.G has published a paper as a title ‘Urban Growth Assessment of Chennai District by Remote Sensing and GIS Techniques’ in ‘International Journal of Recent Technology and Engineering (IJRTE)’, ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 5119-5125[Scopus Indexed]