



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.



SEPTEMBER 2021

DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p>PUBLICATIONS(ONLY PUBLISHED) DETAILS</p> <p>Polymer Bulletin https://doi.org/10.1007/s00289-021-03901-9</p> <p>REVIEW PAPER</p> <p>Nanochitosan augmented with essential oils and extracts as an edible antimicrobial coating for the shelf life extension of fresh produce: a review</p> <p>C. Karthik¹ · D. G. Caroline¹ · S. Pandi Prabha²</p> <p>Received: 23 June 2021 / Revised: 21 August 2021 / Accepted: 19 September 2021 © The Author(s), under exclusive licence to Springer-Verlag GmbH Germany, part of Springer Nature 2021</p> <p><i>Copy of Journal Publication</i></p>	<ul style="list-style-type: none"> • Karthik C, Caroline D G, Pandi Prabha S had published paper on Nanochitosan augmented with essential oils and extracts as an edible antimicrobial coating for the shelf life extension of fresh produce: a review in the Journal Polimer Bulletin, September 2021. (IF - 2.870)

2.	FUNDED PROJECTS	-
3.	<p style="text-align: center;">STAFF CONFERENCE PRESENTATION</p>  <p style="text-align: center;"><i>Dr.G. Baskar copy of certificate</i></p> <p style="text-align: right;"><small>Kerala Academy of Sciences International Webinar on 'Phytochemistry- Impacts and Applications'</small></p> <p style="text-align: center;">Development of natural products that target against ATP Citrate Lyase and fatty acid synthase for the prevention and treatment of chronic diseases using <i>in-silico</i> approaches</p> <p style="text-align: center;"><u>Alfred Francis P.J</u>, Vishal Krishnaraj G and Justin Pakia Jacob S*</p> <p style="text-align: center;">Department of Biotechnology, St. Joseph's College of Engineering Chemmencherry, Chennai- 600119</p> <p style="text-align: center;">*Corresponding author: justinpackiajacobs@stjosephs.ac.in</p>	<p>Dr. G. Baskar, Professor, Department of Biotechnology, has participated in the AICTE sponsored one week STTP on Modeling and Simulation of Industrial Processes (MOSCHEM - 2021) organized by the department of chemical Engineering during 20th - 25th September, 2021.</p> <p>Dr. Justin Packia Jacob has participated in the International Webinar on Phytochemistry - Impacts and Applications organized by Kerala Academy of Sciences during 27th – 28th September, 2021 and Presented paper on the title “Development of natural products that target against ATP Citrate Lyase and fatty acid synthase for the prevention and treatment of chronic diseases using <i>in-silico</i> approaches”.</p>

DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Details of the Events	Remarks
1.	Activities by the Staffs	<p>Ms. Adlin Rose has registered for courses in NITTT-MODULE 3, 4, 5 and 6 in the month of September and Exams will be held on October 24 and 30th.</p> <p>Ms. P.Padmapriya is undergoing courses in NITTT-MODULE 3, 4, 5 and 6 in the months of September and October 2021.</p> <p>Mr. S.ThangaPerumal is undergoing courses in NITTT-MODULE 3, 4, 5 and 6 in the months of September and October 2021.</p> <p>Ms. R.Ruthra is undergoing 3 months IIRS-ISRO Online Course on “BASIC OF RS, GIS & GNSS” from August 16th to Nov 26th</p>


DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sl. No.	Title	Detail					
1	Webinar/ FDP Attended By Faculty	S.No	Faculty Name	Date	Webinar /FDP attended/ workshop	Conducting agency	No. of days
		1.	Dr.V.Rajinikanth	05.09.2021 to 09.09.2021	ATAL FDP (Resource Person)	Katihar Engineering College Katihar, Bihar	2
		2.	Mrs. R. Angel Sujitha	30.08.2021 to 05.09.2021	FDP on software tools	Bannari Amman Institute of Technology	7
2	Publications	S.No	Faculty	Title of the paper	Date	Journal/Patent/Book Chapter/Conference	
		1.	Dr. V. Rajinikanth	Detection of Tuberculosis in Chest X-Ray using Concatenated Deep and Handcrafted Features.	SEP 2021	IEEE Conference	
		2.	Dr. V. Rajinikanth	Deep-Learning based Automated Detection of Pneumonia in Chest Radiographs	SEP 2021	IEEE Conference	
		3.	Dr. V. Rajinikanth	Res-UNet Supported Segmentation and Evaluation of COVID19 Lesion in Lung CT	SEP 2021	IEEE Conference	
		4.	Dr. S.Meena	A new hybrid approach of NaFA and PSO for a spherical Interacting System". International Conference on Evolutionary Computing and Mobile Sustainable Networks	SEP 2021	Springer Conference	

		5.	Dr. N. Sri Madhava Raja,	A Critical Study on the Protection Coordination System of a 2000kVA - LV Panel 5 of Student Dormitory in located at Al Khoud, Oman	SEP 2021	IEEE Conference	
		6.	Dr. N.Sri Madhava Raja	Solar powered robot for agricultural applications	SEP 2021	IEEE Conference	
		7.	Mrs. M.Nivethitha Devi	A new hybrid approach of NaFA and PSO for a spherical Interacting System". International Conference on Evolutionary Computing and Mobile Sustainable Networks	SEP 2021	Springer Conference	
		8.	Dr. N.Sri Madhava Raja	Artificial Vision Based Smart Urban Parking System	SEP 2021	IEEE Conference	
		9.	Dr. N.Sri Madhava Raja	Healthcare Framework for Risk Analysis of Hypertension	SEP 2021	IEEE Conference	
		10.	Dr.C.Pandeeswaran	Design patent submitted under the title “IoT enabled switch and connectors for Advanced home Automation”	SEP 2021	APPLICATION FOR REGISTRATION OF DESIGNS PATENT	
3.	Event Conducted	S.No	Faculty Name	Date	Event Title	Type of Event	No. of Days
		1.	Mrs. M. Nivethitha Devi Mrs.C.Ramadevi Ms. Kirthini Godweena A	1.09.2021	Who am I?	School Event	1
		2.	Mr.N.Hariprasad Mrs.M.Angelin Ponrani	4/9/21	Instagram-story contest 2.0	School Event	1
		3.	Mrs.M.Nivethitha Devi Mrs.M.Angelin Ponrani	7/9/21	Instagram Story Contest	School Event	1
		4.	DR,N.SRI MADHAVA RAJA MRS.C.RAMADEVI	20/9/21	ESSAY WRITING (WOMEN EMPOWERMENT)	SCHOOL EVENT	1

	5.	Mrs. M. Nivethitha Devi Dr.N.Sri Madhava Raja	21.9.2021	ART COMPETITION	SCHOOL EVENT	1
	6.	Dr.C.Gnanaprakasam Mrs.J.Gnanasoundharam Ms. Kirthini Godweena A	22.09.2021	QUIZ	School Event	1
	7.	Dr.C.Gnanaprakasam Mrs.J.Gnanasoundharam Ms. Kirthini Godweena A	23.09.2021	Essay writing	School Event	1
	8.	Mr.R.Elavarasan Mrs.M.Angelin Ponrani	27/09/21	Quiz	School Event	1
	9.	Mrs.M.Angelin Ponrani	28/09/21	Pencil Art Competition	School Event	1
	10.	Dr. Senthil Kumar B Ms. Kirthini Godweena A Mr.N.Hariprasad	29.09.2021	QUIZ	School Event	1
	11.	Dr.V.Vijayan Ms. Kirthini Godweena A	30.09.2021	Know your Scientists (Online quiz)	School Event	1
	12.	Mr.D.SANKARAN	30-09-2021	Covid-19 Awareness - Quotes & Poster	School Event	1

DEPARTMENT OF INSTRUMENTATION AND CONTROLS ENGINEERING

Sl. No.	Details of the Events	Remarks
1	<p>FDP</p>  <p>The certificate is from the All India Council for Technical Education (ATAL) Academy. It certifies that Abhimata T., Assistant Professor of St. Joseph's College of Engineering, participated in and completed the FDP on "Instrumentation, Signals and Images for the Evaluation of Physiological Systems" from 16/08/2021 to 20/08/2021 at National Institute of Technology Tiruchirappalli. The certificate includes the ATAL logo, the name of the advisor (Mamta Rani Agarwal), and a QR code.</p>	<p>Date: 16 August, 2021 to 20 August,2021</p> <p>TOPIC: Instrumentation Signals and Images for the Evaluation of Physiological Systems</p> <p>Organizer: National Institute of Technology, Tiruchirappalli</p> <p>No. of Participant:01</p>
2	<p>Other Activities</p>	<p>Date: 28 September,2021</p> <p>TOPIC: Board of Studies member/ Faculty of Electrical Engineering</p> <p>Organizer: Anna University</p> <p>Objectives: Consider and approve R2021 for Non autonomous affiliated Colleges under Anna University.</p> <p>No. of Participant:01</p>



ANNA UNIVERSITY

SARDAR PATEL ROAD, CHENNAI - 600 025.

Phone :+91 44 2252 2161
+91 44 2252 7800
Office :+91 44 2252 1900
Fax :+91 44 2252 1906
E-Mail : register@annauniv.edu

REGISTRAR

Procs. No. 382/AUGAC/FEE/2021

Date: 21.09.2021

To,
Dr. T. Balaji,
Professor & Head,
Department of Instrumentation and Control Engg.,
St. Joseph's College of Engg.,
Sarambachi, Chennai.

Sir / Madam,
Sub: Anna University - Board of Studies - Curriculum and Syllabi for UG/PG programmes under R-2021 for the Constituent Colleges and Non-Autonomous Affiliated colleges - Faculty of Electrical Engineering - Appointment as Member - Conduct of Board of Studies Meeting - Information - Reg.

Ref: Vice-Chancellor's approval dated 25.11.2020.

I am pleased to inform you that the Vice-Chancellor has appointed you as a Member of the Board of Studies of the Constituent Colleges and Non-Autonomous Colleges Affiliated to Anna University under the Faculty of Electrical Engineering of Anna University, Chennai. A copy of the Syndicate Resolution indicating the powers and functions of the Board is also enclosed for your reference. The Membership is honorary and it is for a tenure of three years upto November 2022.

I am to inform you that the Board of Studies Meeting of the Faculty of Electrical Engineering will be held ONLINE on 28.09.2021 (Tuesday) at 10.30 a.m.

The agenda for the meeting will be sent separately. You are requested to kindly make it convenient to attend the meeting and offer your valuable suggestions.


I am to request you to kindly accept the offer and send your acceptance letter on or before 24.09.2021, either by post or by E-mail (cacannauniv@gmail.com).

With kind regards,

REGISTRAR

Encl: As above
MEETING LINK: we will provide before the day of meeting.

DEPARTMENT OF INFORMATION TECHNOLOGY

Sl. No.	Photographs Captured During Events	Corresponding remarks in regarding the status of activity execution																							
		Online Seminar/ FDP Attended by Faculty																							
		<table border="1"> <thead> <tr> <th style="text-align: center;">S.No</th> <th style="text-align: center;">Title of the topic</th> <th style="text-align: center;">Name of the Staff</th> <th style="text-align: center;">Conducted By</th> <th style="text-align: center;">Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Online Elementary FDP on Data Science and machine Learning with Python</td> <td style="text-align: center;">R. Deepa</td> <td style="text-align: center;">Rabindranath Tagore University, AICTE Training and Learning (ATAL) Academy.</td> <td style="text-align: center;">23-8-21 to 27-8-21 (5 days)</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>National Workshop on Covid19 Children A Rural Perspective</td> <td style="text-align: center;">G. Lathaselvi</td> <td style="text-align: center;">National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Child Right and You</td> <td style="text-align: center;">2-9-2021</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Online Elementary FDP on Reliability and Security of VLSI Circuits & Systems for IoT</td> <td style="text-align: center;">M. Janani K.Priyadharshini P. Thilakavathy</td> <td style="text-align: center;">Indian Institute of Technology Jammu, AICTE Training and Learning (ATAL) Academy</td> <td style="text-align: center;">2-8-2021 to 6-8-2021 (5 days)</td> </tr> </tbody> </table>	S.No	Title of the topic	Name of the Staff	Conducted By	Date	1.	Online Elementary FDP on Data Science and machine Learning with Python	R. Deepa	Rabindranath Tagore University, AICTE Training and Learning (ATAL) Academy.	23-8-21 to 27-8-21 (5 days)	2.	National Workshop on Covid19 Children A Rural Perspective	G. Lathaselvi	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Child Right and You	2-9-2021	3.	Online Elementary FDP on Reliability and Security of VLSI Circuits & Systems for IoT	M. Janani K.Priyadharshini P. Thilakavathy	Indian Institute of Technology Jammu, AICTE Training and Learning (ATAL) Academy	2-8-2021 to 6-8-2021 (5 days)			
S.No	Title of the topic	Name of the Staff	Conducted By	Date																					
1.	Online Elementary FDP on Data Science and machine Learning with Python	R. Deepa	Rabindranath Tagore University, AICTE Training and Learning (ATAL) Academy.	23-8-21 to 27-8-21 (5 days)																					
2.	National Workshop on Covid19 Children A Rural Perspective	G. Lathaselvi	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Child Right and You	2-9-2021																					
3.	Online Elementary FDP on Reliability and Security of VLSI Circuits & Systems for IoT	M. Janani K.Priyadharshini P. Thilakavathy	Indian Institute of Technology Jammu, AICTE Training and Learning (ATAL) Academy	2-8-2021 to 6-8-2021 (5 days)																					


Intelligent Traffic Management Support System Unfolding the Machine Vision Technology Deployed using YOLO D-NET

 Divya Jegatheesan^{1*} Chandrasekar Arumugam²
¹Department of Information Technology, St. Joseph's College of Engineering, Chennai, India
²Department of Computer Science and Engineering, St. Joseph's College of Engineering, Chennai, India
 *Corresponding author's Email: divyapj@gmail.com

Abstract: The intelligent transport system aims to control congestion and enhance the driving experience through a variety of technologies and communication systems. They provide us a lot of data which can be fed to machine learning technologies to provide further enhanced services to the common public as well as the transport officials. In this busy-modern world, the usage of vehicles is highly increased and thus monitoring and detecting these vehicles onboard with better accuracy and less time cost is quite a challenging task. We propose an intelligent traffic management solution to detect vehicles (static and onboard) which finds its set-about in the field of machine vision technology called YOLO D-NET (You Only Look Once Dilated Net). YOLO D-NET puts forward a novel architecture which incorporates the implementation of traditional YOLO model alongside of dilated Convolution Neural Network (CNN). Our paper also focuses on making a constructive comparison between the four different models namely SSD (Single Shot Multibox Detector) Inception, Faster R-CNN (Region-based CNN), YOLO ResNet (Residual Neural Network) and the proposed model YOLO D-NET. We have used the predefined COCO (Common Objects in Context) dataset and the custom dataset to train the traditional models. Also YOLO D-NET makes use of the predefined YOLO weights followed by the dilated CNN layers. Our proposed model was found to be 97.5 percent accurate with enhanced precision and accuracy than the other models particularly with less training time than the traditional YOLO model.

Keywords: Deep learning, YOLO, Dilated CNN, SSD Inception, FCNN, RESNET.

J. Divya published a Scopus Indexed Journal


J. Divya, A. Chandrasekar, “Intelligent Traffic Management Support System Unfolding the Machine Vision Technology Deployed using YOLO D-NET”, International Journal of Intelligent Engineering and Systems, Vol.14, No.5, DOI: 10.22266/ijes2021.1031.03, Publisher: Intelligent Systems and Network Security, ISSN: 2185-3118, Sep 2021. (Scopus Indexed Journal)

Abstract: The intelligent transport system aims to control congestion and enhance the driving experience through a variety of technologies and communication systems. They provide us a lot of data which can be fed to machine learning technologies to provide further enhanced services to the common public as well as the transport officials. In this busy modern world, the usage of vehicles is highly increased and thus monitoring and detecting these vehicles onboard with better accuracy and less time cost is quite a challenging task. We propose an intelligent traffic management solution to detect vehicles (static and onboard) which finds its set-about in the field of machine vision technology called YOLO D-NET (You Only Look Once Dilated Net). YOLO D-NET puts forward a novel architecture which incorporates the implementation of traditional YOLO model alongside of dilated Convolution Neural Network (CNN). Our paper also focuses on making a constructive comparison between the four different models namely SSD (Single Shot Multibox Detector) Inception, Faster R-CNN (Region-based CNN), YOLO ResNet (Residual Neural Network) and the proposed model YOLO D-NET. We have used the predefined COCO (Common Objects in Context) dataset and the custom dataset to train the traditional models. Also YOLO D-NET makes use of the predefined YOLO weights followed by the dilated CNN layers. Our proposed model was found to be 97.5 percent accurate with enhanced precision and accuracy than the other models particularly with less training time than the traditional YOLO model.




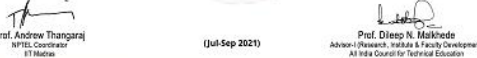
DEPARTMENT OF MATHEMATICS AND ENGLISH

S. No	Name of the Staff	Topic Name	Date	Organized by
1	Dr.U. Venkateswara	Challenges and Prospects of Teaching English Language, Literature, Linguistics and Culture -IV	19-09-2021	WELLTTA (World English Language Learners Teachers Trainers Association)
		Challenges and Prospects of Teaching English Language, Literature, Linguistics and Culture - V	26-09-2021	

DEPARTMENT OF MBA

S.No	Events	Remarks
SEPTEMBER 2021		
1	 <p style="text-align: center;"> St. JOSEPH'S COLLEGE OF ENGINEERING <small>(An Autonomous Institution)</small> St. Joseph's Group of Institutions Jeppiaar Educational Trust <small>OMR, Chennai - 119.</small> </p> <p style="text-align: center;"> DEPARTMENT OF MBA <i>Organize</i> Online Workshop <small>On</small> "Key Drivers for Future Workforce" </p> <p style="text-align: center;"> Date: 01/09/2021 Time: 10.00 to 12.00 </p> <p style="text-align: center;"> Guest Speaker Dr.P.Mohana HOD, P.G. Department of HRM Madras School of Social Work <i>Meeting Link : https://meet.google.com/gdo-znto-gxr</i> </p> <p style="text-align: center;"> <small>CHIEF PATRON</small> Dr. B. Babu Manoharan M.A., M.E.A., Ph.D <small>Chairman, St. Joseph's Group of Institutions</small> </p> <p style="text-align: center;"> <small>PATRONS</small> <small>Mrs. S. Jessie Priya M.Com.</small> <small>Managing Director, St. Joseph's Group of Institutions</small> <small>Mr. B. Shashi Sekar M.Sc.</small> <small>Director, St. Joseph's Group of Institutions</small> </p> <p style="text-align: center;"> <small>Dr. Vaddi Seshagiri Rao M.E., M.A., Ph.D</small> <small>Principal, St. Joseph's College of Engineering</small> <small>Dr. B. Parvathavarthini M.Sc., M.A., M.E., Ph.D</small> <small>Dean (Research), St. Joseph's College of Engineering</small> </p> <p style="text-align: center;"> <small>CONVENOR</small> <small>Dr. Jayarajee Krishnan, M.E.A., Ph.D</small> <small>Head of the Department, Management Studies</small> </p> <p style="text-align: center;"> <small>For Admissions: Visit : www.stiosophs.ac.in / www.stiosophstechnology.ac.in</small> <small>Contact : 9940104881 / 9940104882</small> </p>	<p>Department of MBA organize online guest lecture on “ Key Drivers For Future Workforce” by Dr.Mohana -HOD, PG Department of HRM, Madras School of Social work on 01-09-2021 in Google meet platform around 96 students participated in this event.</p>

DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	 <p style="text-align: center;">Sri Sivasubramaniya Nadar (SSN) College of Engineering <small>(An Autonomous Institution, Affiliated to Anna University, Chennai)</small> RAJIV GANDHI SALAI (OMR), KALAVAKKAM, CHENNAI – 603 110, TAMILNADU Department of Mechanical Engineering <u>Certificate of Participation</u> <i>This is to certify that</i> G. Kasirajan, Assistant Professor of St Joseph's College of Engineering, Chennai <i>has participated in the National Workshop (Online) on "Modern Trends in Manufacturing Engineering" organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai on 30-9-2021.</i>  Convener HoD / Mech Principal</p>	<p>➤ Mr.G.Kasirajan Participated in National Workshop (online) on “Modern Trends in Manufacturing Engineering” organized by Department of Mechanical Engineering,SSN College of Engineering,Chennai on 30-09-2021</p>
2	 <p style="text-align: center;">NPTEL-AICTE Faculty Development Programme <small>(Funded by the Ministry of HRD, Govt. of India)</small> This certificate is awarded to M ARUN for successfully completing the course Advances in Welding and Joining Technologies with a consolidated score of 70 %  <small>Prof. Andrew Thangaraj, NPTEL Coordinator, IIT Madras (Jul-Sep 2021), Prof. Dileep N. Mahkade, AICTE Director, All India Council for Technical Education</small></p>	<p>➤ Mr.M.Arun Successfully completed the course on <i>Advances in Welding and Joining Technologies</i> with a Consolidated Score of 70%.</p>

3



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
ARUN M
for successfully completing the course

Fundamental of Welding Science and Technology

with a consolidated score of **76 %**

Online Assignments	23.33/25	Proctored Exam	52.28/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **667**

Prof. Sunil Khijwania
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati

Jan-Mar 2019
(8 week course)

Indian Institute of Technology Guwahati

swayam

Roll No. NPTEL19ME16S11171893 To validate and check scores: <http://nptel.ac.in/noc>

- Mr.M.Arun Successfully completed the course on Fundamental of Welding Science and Technology with a Consolidated Score of 76%.

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	Collabarative Quality initiatives with other institutions	-
2	Industrial Visits, Inplant Training, Internships	-
3	Guest Lecture	-
4	FDP/Workshop/Conference	<p><i>Lecture delivered:</i></p> <ol style="list-style-type: none"> 1. Dr. K. Jayamoorthy delivered an invited talk in the National FDP on “Research methodology tools and techniques” conducted by “K.S.R Womens College, Thiruchengode” on 24.09.21. 2. Dr. K. Jayamoorthy delivered an invited talk in the National webinar on “Chemistry of Materials” conducted by “St. Joseph University , Nagaland” on 30.09.21. <hr/> <p><i>ATAL-AICTE FDP</i></p> <ol style="list-style-type: none"> 1. Dr. S.M. Prakash, Dr. B. Subash, Ms. S. Savitha, Dr. V. Swarnalatha, Ms. J. sharmila attended ATAL-AICTE FDP on “Wastewater Treatment Recycle and Reuse” conducted by Netaji Subhas University of Technology, West Campus, Dwarka from 06.09.21 to 10.09.21 2. Dr. K. Sathesh Kumar attended ATAL- AICTE FDP on “Computational Methods in Chemical Engineering” conducted by National Institute of Technology, Hamirpur from 06.09.21 to 10.09.21 3. Dr. G. Murugan attended ATAL- AICTE FDP on “Stress Management” conducted by VNR Vignana Jyothi Institute of Engineering and Technology , Hyderabad, from 13.09.21 to 17.09.21 4. Ms. A. Arulmozhi, Dr. S. Rama attended ATAL- AICTE FDP on “Nanoscience for Nano materials” conducted by “Manakula Vinayagar Institute of Technology, Pondichery” from 20.09.21 to 24.09.21 5. Mr. S. Kaleel Mohamed Ibrahim attended ATAL- AICTE FDP on “Magnetic Levitation” conducted by “Hindusthan Institute of Technology, Coimbatore” from 20.09.21 to 24.09.21 6. Dr. V.N. Nandini Devi, Dr. S. Suresh, Dr. N.R. Rajagopalan attended online workshop on “How to conduct Student Induction program (SIP)” conducted by AICTE on 20.9.21.

Participated:

1. Dr. G. Murugan, Dr. V. Swarnalatha, Ms. J. Sharmila, Dr. N.R. Rajagopalan, Dr. S.M. Prakash, Dr. B. Subash, Dr. K. Jayamoorthy, , Ms. S. Savitha, Dr. A. Uma Devi attended National online Faculty Development Program on “Advances in Analytical Techniques” conducted by “SRM Institute of Science & Tech,Chennai” from 30.08.21 to 06.09.21.
2. Dr. S. Kiruba, Dr. N. Punitha, Dr. K. Sathesh Kumar, Ms. A. Arulmozhi, Ms. A. Mahalakshmi , Mr. S. Kaleel Mohamed Ibrahim , Dr. P. Krishnan, Dr. S. Rama, Dr. G. Murugan, Dr. V. Swarnalatha, Ms. J. Sharmila, Dr. N.R. Rajagopalan, Dr. S.M. Prakash, Dr. B. Subash, Dr. K. Jayamoorthy, , Ms. S. Savitha, Dr. A. Uma Devi attended National online Faculty Development Program on “Advanced Materials for Future Science” conducted by “Jeppiaar Engineering college, Chennai ” from 06.09.21 to 13.09.21.
3. Dr. P. Krishnan attended National Webinar on “Facets of Materials Science’ conducted by Karpagam Academy of Higher Education, Coimbatore on 08.09.21
4. Dr. S. Suresh attended National Webinar on “Metal Organic Chemical Vapor Deposition (MOCVD) growth of III-Nitrides” conducted by “Saveetha School of Engineering, Chennai” on 09.09.21
5. Dr. S. Kiruba, Dr. N. Punitha, Ms. A. Arulmozhi, Ms. A. Mahalakshmi , Mr. S. Kaleel Mohamed Ibrahim , Dr. P. Krishnan, Dr. S. Rama, Dr. G. Murugan, Dr. V. Swarnalatha, Ms. J. Sharmila, Dr. N.R. Rajagopalan, Dr. S.M. Prakash, Dr. B. Subash, Dr. K. Jayamoorthy, , Ms. S. Savitha, Dr. A. Uma Devi attended National webinar series on “Excellence of Women in the field of Science & Technology” conducted by “Sathyabama Inst. of Science & Technology,Chennai” from 13.09.21 to 23.09.21.
6. Dr. S. Kiruba, Dr. N. Punitha, Dr. P. Krishnan, Dr. S. Rama, attended International online Faculty Development Program on “Advanced Computational and Experimental Research in Physics” conducted by “SRM Institute of Science & Tech,Chennai” from 13.09.21 to 25.09.21.
7. Mr. S. Kaleel Mohamed Ibrahim attended National webinar on “Facile synthesis of multi-functional thiazole-schiff base derivatives via multicomponent reaction and their anti-cancer evaluation and molecular docking studies”conducted by “Arka Jain University, Jharkhand” on 14.09.21
8. Dr. S. Kiruba, attended International online Faculty Development Program on “Semiconductor device, Microwave and Renewable Energy (SDMRE-2021)” conducted by “Asansol Engineering College,

		<p>Asansol, West Bengal” from 21.09.21 to 25.09.21.</p> <p>9. Dr. G. Murugan, Dr. V. Swarnalatha, Ms. J. Sharmila ,Ms. S. Savitha attended National online Faculty Development Program on “Instrumentation Techniques and Advanced Materials” conducted by “Ayya Nadar Janaki Ammal College, Sivakasi” from 21.09.21 to 25.09.21.</p> <p>10. Dr. S. Kiruba, Mr. S. Kaleel Mohamed Ibrahim , Dr. K. Sathesh Kumar, Dr. P. Krishnan , Dr. S.M. Prakash, Dr. B. Subash attended e-workshop on “Phase Identification of Polycrystalline Materials using XRD data in Softwares” conducted by “Dr. N.G.P. Arts&Science College,Kalapatti Road, Coimbatore” on to 25.09.21.</p> <p>11. Mr. S. Kaleel Mohamed Ibrahim attended National webinar on “Applications and Perspectives of Chalcogenide Glasses in Electronics and Optoelectronics”conducted by “Harcourt Butler Technical University, Kanpur (UP),” on 28.09.21</p> <p>12. Dr. G. Murugan, Dr. N. Punitha, Mr. S. Kaleel Mohamed Ibrahim, Ms. J. Sharmila, Dr. N.R. Rajagopalan, Dr. K. Sathesh Kumar, Dr. S. Manikandan, Dr. S.M. Prakash, Dr. B. Subash, Dr. P. Saravanan, , Ms. S. Savitha, Dr. A. Uma Devi attended National webinar on “Chemistry of Materials” conducted by “St. Joseph University , Nagaland” on 30.09.21.</p>
5	Symposium	-
6	STTP	-
7	Value added Courses/Courses other than VAC	-
8	Competitions attended by students	-
9	Awards/Prize won by students	-
10	Industrial Projects done by students	-
11	Publications(only published) details	<p>1. Dr. S, Rama Published a paper titled “Nucleation kinetics, Williamson-Hall analysis, hardness and dielectric properties of pyridine-2-carboxylictrichloroacetate single crystals” in Physica B: Physics of Condensed Matter, Vol. 624.</p> <p>2. K. Jayamoorthy, P. Saravanan, N. R. Rajagopalan, published a paper titled “Carbon nanotubes functionalized with newly synthesized benzimidazole derivative for corrosion inhibition on the nickel alloy surface in a sulfuric acidic medium” in “Inorganic and Nano-Metal Chemistry” DOI:</p>

		10.1080/24701556.2021.1984534
12	Funded Projects	-
13	Other activities(if any)	<p>Department of Science conducted the following online events for school students:</p> <ol style="list-style-type: none"> 1) Flashes – 4.9.21 to 6.9.21 2) Verses - 5.9.21 to 7.9.21 3) Colourplay – 6.9.21 to 8.9.21 4) Candid portraits – 8.9.21 5) Futoshiki fiesta – 9.9.21 6) Smartinis India – 15.9.21 7) Wild mesh – 16.9.21 8) 3D illustrations – 17.9.21 9) Cipher – 21.9.21 10) Crafty clever – 25.9.21 11) Catechize – 29.9.21 12) Bharathi kanda Tamizh – 30.9.21