

# IGNITE 2022



## A DAILY NEWSLETTER

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Principal, ACT

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## FDP INAUGURATION & COMMISSIONING



The Department of Electronics and Communication Engineering in Association with Agni Centre for Research and Development inaugurated the Faculty Development Programme and commissioned the PLC & IoT Kits for the Bosch Centre for Excellence Utility.

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## FDP PROGRAMME



The Department of Electronics and Communication Engineering in Association with Agni Centre for Research and Development organizing a 3 day FDP on **Industry Automation Using PLC & Industry 4.0** for the faculty of ECE, Mechatronics, Mechanical, BME, EEE & Aerospace Departments. The Resource person Mr. Millind Tavre, Managing Director, Bosch Rexroth handled the training sessions.

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## STUDENTS INTERNSHIP



Mohammed Farook C, Madhumitha V, Keerthana D, and Kaviyanjali B, III year students, Department of IT have completed an Internship on **Web Development** at Oasis Infobyte, Chennai.

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## FACULTY PARTICIPATION

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CE39524536210

To  
**R BEAULA JASMINE**  
 D-14, LAKEVIEW APARTMENT  
 ANNA ROAD, PERUNGUDI  
 CHENNAI  
 TAMILNADU - 600096  
 PH. NO :9884622551

| Score | Type of Certificate    |
|-------|------------------------|
| >=90  | Elite+Gold             |
| 75-89 | Elite+Silver           |
| >=60  | Elite                  |
| 40-59 | Successfully Completed |
| <40   | No Certificate         |

No. of credits recommended by NPTEL-2  
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**R BEAULA JASMINE**  
 for successfully completing the course  
**Safety in Construction**

with a consolidated score of **63** %

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 20.75/25 | Proctored Exam | 42.43/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: 1898

**Prof. Devendra Jalihal**  
Chairman,  
 Centre for Continuing Education, IITM

**Feb-Apr 2022**  
(8 week course)

**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
 IIT Madras

Indian Institute of Technology Madras

Roll No NPTEL22CE39524536210 To validate and check scores: <https://npTEL.ac.in/moc>

Ms. R. Beaula Jasmine, Assistant Professor, Department of Civil Engineering has completed a NPTEL online certification course for eight weeks from February to April 2022 on the topic Safety in Construction and has been awarded with elite certification.

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## STUDENTS MENTORING



The mentoring session was conducted for II, III and IV year students, Department of Chemical Engineering Department. The mentors discussed the issues faced by the students in the academics during the semester. They further discussed about the students' participation in conferences, sports and other extracurricular activities. The mentors have given suggestions for improving the performance of the students in the upcoming Internal Assessment Examination.

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FACULTY PARTICIPATION



Mr. S. Vishnuvardhan Assistant Professor, Department of Civil Engineering has attended an International Webinar on **Applications of Machine Learning in Engineering Problems**, organized by SRM Institute of Science and Technology, Tiruchirappalli on 22<sup>nd</sup> April 2022.

## STUDENT ACHIEVEMENT



Keerthana D, III year student, Department of IT have participated in the event **Code Battle** conducted by IIT Kharagpur.

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## FACULTY PARTICIPATION



Mrs Radhika Somakumar, Assistant Professor, Department of Electrical and Electronics Engineering has participated in the workshop on **Basics of Matlab** organized by the College of Engineering, Trivandrum in association with IEEE PES on 9<sup>th</sup> and 10<sup>th</sup> May 2022.

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FACULTY PARTICIPATION



**SRM INSTITUTE OF SCIENCE & TECHNOLOGY**  
Bharathi Salai, Ramapuram, Chennai-600089.



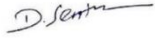
INSTITUTION'S INNOVATION COUNCIL  
(Ministry of HRD Initiative)

Department of Civil Engineering

**Certificate of Participation**

This is to certify that Mr/Ms/Dr. Dr. M. SIVA has participated in webinar on “Marine Pollution: Action Plan for Management in Indian Context” organized by Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai-89, on 22<sup>th</sup> April 2022.

I3CQKO-CE000477



Mr.D.Senthilvelan  
HOD (i/c) - CIVIL

Made for free with Certify'em

Dr. M. Siva, Assistant Professor and Head, Department of Civil Engineering has attended a webinar on **Marine Pollution: Action Plan for Management in Indian Context** organized by SRM Institute of Science and Technology, Chennai on 22<sup>nd</sup> April 2022.

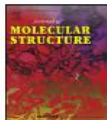
## FACULTY ACHIEVEMENT

Journal of Molecular Structure 1264 (2022) 133196

Contents lists available at ScienceDirect

**Journal of Molecular Structure**

journal homepage: [www.elsevier.com/locate/molstr](http://www.elsevier.com/locate/molstr)

Structural, thermal, linear and nonlinear optical and cytotoxicity studies of a novel organic stilbazolium salt:  
4-[2-(4-hydroxyphenyl)ethenyl]-1-methylpyridinium  
4-styrenesulfonate

Priya Antony<sup>a,b</sup>, S. Bharanidharan<sup>c</sup>, R. Jerald Vijay<sup>d</sup>, S. John Sundaram<sup>e</sup>, Albin John P. Paul Winston<sup>a</sup>, Ligimol Louis<sup>f</sup>, Jilly James<sup>g</sup>, P. Sagayaraj<sup>a,\*</sup>

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<sup>c</sup> Department of Physics, Agni College of Technology, Thalambur, Chennai 600130, India  
<sup>d</sup> Department of Physics, St. Joseph's College (Autonomous), Trichy 600002, India  
<sup>e</sup> Department of Physics, Sacred Heart College (Autonomous), Tirupattur 635601, India  
<sup>f</sup> Department of Science, St. Xavier's College, Jaipur, Rajasthan 302029, India  
<sup>g</sup> Department of Chemistry, Alphonsa College, Kottayam, Kerala 600127, India

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**ABSTRACT**

Organic non-linear single crystals of 4-[2-(4-hydroxyphenyl)ethenyl]-1-methylpyridinium 4-styrenesulfonate (HMSS) are grown by means of slow solvent evaporation growth process. Stoichiometric ratio of the elements existing in the compound is identified by elemental analysis. Single crystal X-ray diffraction discloses that the developed crystal being included in to P2<sub>1</sub>/n space group with monoclinic crystal system. In addition, an analysis of crystal structure and Hirshfeld surface are used to expose the intermolecular interaction and hydrogen bonds. Quantum chemical calculations performed using the density functional theory (DFT) at B3LYP/6-311+G(d,p) level of the compound provides further

Dr. S. Bharanidharan, Senior Assistant Professor, Department of Science and Humanities (PHYSICS) has published an article entitled “Structural, Thermal, Linear and Nonlinear Optical and Cytotoxicity Studies of a Novel Organic Stilbazolium Salt: 4-[2-(4-hydroxyphenyl)ethenyl]-1-methylpyridinium 4-styrenesulfonate” in the Journal of Molecular Structure, 2022, volume 1264.

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## FACULTY ACHIEVEMENT



Dr. S. Bharanidharan, Senior Assistant Professor, Department of Science and Humanities (Physics) was awarded the excellence of reviewing in Asian Journal of Case Reports in Medicine and Health.

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## CLUB ACTIVITIES

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OMR, Thalambur, Chennai - 600 130. Phone: +91 4740 9441 Mobile: +91 9445024081  
in collaboration with:

**Department of Mechanical & Automation Engineering**  
**Techno Cultural Club**  
**PRESENTS**  
**AutoTech Event**  
**13.05.2022**  
**3 TO 4 PM**  
**Theme: Industry 4.0**

**EVENT LIST**

- \* Debate
- \* Paper Presentation
- \* Poster Presentation

**Coordinator**  
A.Sam Daniel Fenny  
Ap/MAE

**HOD**  
Dr.T.Anand  
MAE



Department of Mechanical and Automation Engineering had conducted Paper presentation, Technical Debate, Poster presentation and Essay competition by the Techno Culture Club & Tamil Mandram Club on 12th and 13th May 2022.

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STUDENT ACHIEVEMENT



Gopi Dass.V, II year student, Department of Information Technology has successfully completed the course on Digital Marketing offered by Google Digital Garage on 12th May 2022

STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

Uma Maheswari Ramesh

For successfully completing a free online course  
Basics of Machine Learning

Provided by  
Great Learning Academy  
(On May 2022)



To verify this certificate visit [verify.mygreatlearning.com/RXCWTHEY](https://verify.mygreatlearning.com/RXCWTHEY)

Uma Maheswari R, II Year student, Department of Electrical and Electronics Engineering has successfully completed the online course on **Basics of Machine Learning** offered by Great Learning Training Academy.

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