

# SRM TRP

## ENGINEERING COLLEGE

# ASPIRE

Academic Skills Placement Innovation Research  
and Exploration

# NEWSLETTER

VOLUME 16 | ISSUE 3  
March 2025



# CONTENT

## VISION

To carve the youth as dynamic, competent, valued and knowledgeable Technocrats through research, innovation and entrepreneurial development for accomplishing the global expectations.

## MISSION

**M1:** To Inculcate academic excellence in engineering education to create talented professionals.

**M2:** To Promote research in basic sciences and applied engineering among faculty and students to fulfill the societal expectations.

**M3:** To enhance the holistic development of the students through meaningful interaction with industry and academia.

**M4:** To foster the students on par with sustainable development goals thereby contributing to the process of nation building.

**M5:** To nurture and retain conducive lifelong learning environment towards professional excellence.

## PATRON

**Dr. R. Shivakumar**

Chairman- SRM Group of Institutions

**Mr. S. Niranjan**

Co-Chairman- SRM Group of Institutions

## EDITORIAL COMMITTEE

**Dr. M. Siva Kumar**

Principal - SRM TRP Engineering College

**Dr. C. Ramesh Kannan**

Vice Principal / Academic

**Mr. D. Manikandan**

Asst.Professor / Mechanical

**Mrs. M. Anitha**

Asst.Professor / CSE

**Dr. A. Narayanan**

Asst.Professor / English

## DEPARTMENT COORDINATORS

**Mr. D. Manikandan**

Asst.Professor / Mech

**Mr. S. Manimaran**

Asst.Professor / Civil

**Dr.R.Sowmya**

Asst.Professor / EEE

**Mr. R. RAVI**

Asst.Professor / CSE

**Mrs. A. Sugantha**

Asst.Professor / ECE

# CIVIL ENGINEERING

## FACULTY ACHIEVEMENTS



**DHAANISH ITECH**  
COIMBATORE

**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
Member of EducationInnovation

### Session on

**Achieving problem solution fit and product-market fit**

### Organized by

**Department of science and humanities**

Resource person

**Mr.S. Manimaran**

**SRM TRP Engineering College**



**In associated with  
Institution's Innovation Council**

**Time**

**11:30 - 1.30**

**Event coordinator's  
Dr.K.Muralidharan**

**07 March  
2025**

**DR.J.Sathishkumar**

**IAC Ambassador / HOD Of S&H**

**DR.K.G.parthiban**

**Principal**

We extend our heartfelt gratitude to Mr. S. Manimaran from SRM TRP Engineering College for sharing his invaluable insights on "Achieving Problem-Solution Fit and Product-Market Fit." Your expertise and engaging discussion have truly inspired our students and faculty, enriching their understanding of innovation and market alignment. We appreciate your time, effort, and contribution in making this session a great success. Thank you for being a part of our learning journey!





**Department of Civil Engineering**



Go Green Club  
Organize a  
*Expert Talk*  
on



**SMART WATER MANAGEMENT: ENSURING A SUSTAINABLE FUTURE**  
On the Occasion of World Water Day 2025

Who can attend  
For all first year and second year students



Resource Person  
**Dr. S. Senthil Kumar**  
Academic Coordinator  
Associate Professor  
SRM Institute of Science and Technology, Tiruchirappalli

Date : 21.03.2025 Time : 11.00 AM to 12.30 PM Venue : Seminar Hall, 5<sup>th</sup> Floor, Block -I

<b>Convener</b> Dr. S. Pitchaikani HoD/Civil Engineering	<b>Co-Convener</b> S. Menimaran Go Green Club Coordinator	<b>Coordinators</b> Mr. K. Surehraj, AP/Civil Mr. S. Sarjeevkumar AP/Civil
--	---	---

[srm-trp-engineering-college](https://www.linkedin.com/company/srm-trp-engineering-college) | [inchysrtrp](https://www.instagram.com/inchysrtrp) | [trp.srmistech.edu.in](http://trp.srmistech.edu.in)





 **SRM TRP**  
ENGINEERING COLLEGE  
ALLIED TO ANNA UNIVERSITY  
TIRUCHIRAPPALLI

**Department of Civil Engineering**

 **INSTITUTION'S INNOVATION COUNCIL**

Go Green Club  
Organize a  
*World Water Day*  
Observance Program 2025  
**QUIZZ WIZARD ON WATER**

Theme: The Significance of world water day The significance of Water conservation  
Leveraging water for peace

**Who can attend**  
For all first year and second year students

- The Quiz will be based on basic knowledge of water conservation and their application
- The quiz will be played via Quizizz online platform

**RULES:**

- All the questions in the quiz will be in the Multiple-Choice Questions (MCQ's) format.
- There will be no negative marking for the quiz.
- The Quiz is open to all



Exciting Prizes for the winners and participation certificate for all participants

**Registration Link**  
<https://forms.gle/fhURqxAV7BNHck8c8>

**Date : 20.03.2025 Time : 3.00PM to 5.00 PM Venue : Civil Seminar Hall**

**Convener**  
S.Marimaran  
Go Green Club Coordinator

**Students Coordinator**  
Adithya K / III – Civil  
Margret Stanila M / III – Civil

 [srm-trp-engineering-college](https://www.linkedin.com/company/srm-trp-engineering-college)  [trichysmtrp](https://www.instagram.com/trichysmtrp)  [trp.srmtrichy.edu.in](https://trp.srmtrichy.edu.in)



# CIVIL ENGINEERING

## EVENTS



**SRM TRP**  
ENGINEERING COLLEGE  
TIRUCHIRAPPALLI

**Department of Civil Engineering**

Go Green Club  
Organize a  
*World Water Day*  
Observance Program 2025  
**ARTWORK COMPETITION**

Theme: Significance of world water day 2025, Significance of Water conservation  
Water Pollution, Water for Sustainable Development

**Who can attend**  
For all first year and second year students

**RULES:**

- Students should bring their own stationery material, colours etc.
- Painting should be in A3 Art Board/Sheet.
- Water/Fabric colour can be used.
- Poster Painting should be the depiction of cultural traditions of the language concerned.

**Awards**  
Exciting Prizes for the winners and participation certificate for all participants

**Registration Link**  
<https://forms.gle/fhURqxAV7BNHck8c8>

**Date : 19.03.2025 Time : 3.00PM to 5.00 PM Venue : Drawing Hall**

**Convener**  
S.Manimaran  
Go Green Club Coordinator.

**Students Coordinator**  
Priyadharshini / III - Civil  
Mythili varaha M/ II - Civil







# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



Mrs. M. Krishna rani , Assistant Professor of ECE department participated in webinar on the topic “FOSTERING INNOVATION AND PATENTS-THE ROLE OF KAPILA IN HIGHER EDUCATION” conducted by Dhaanish Ahmed Institute of Technology, Coimbatore on 07.03.2025.



Ms. D.GAYATHRI , Assistant Professor of ECE department participated in webinar on the topic “FOSTERING INNOVATION AND PATENTS-THE ROLE OF KAPILA IN HIGHER EDUCATION” conducted by Dhaanish Ahmed Institute of Technology, Coimbatore on 07.03.2025.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



Mrs. K. Priyadharshini , Assistant Professor of ECE department participated in webinar on the topic “FOSTERING INNOVATION AND PATENTS-THE ROLE OF KAPILA IN HIGHER EDUCATION” conducted by Dhaanish Ahmed Institute of Technology, Coimbatore on 07.03.2025.



G.Dhanalakshmi, III year student of ECE department participated in 21ST National level technical symposium conducted by department of CSE and won first prize on 21.03.2025.



# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



F.Larancy princy, III year student of ECE department participated in CRYSTAL PIXEL event and won 1st prize conducted by department of Electronics and Communication, at National Engineering College, Kovilpatti on 14th and 15th 2025.



P.Janarthanan, III year student of ECE department participated in CRYSTAL PIXEL event and won 1st prize conducted by department of Electronics and Communication, at National Engineering College, Kovilpatti on 14th and 15th 2025.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



R. Abinayan, III year student of ECE department participated in CRYSTAL PIXEL event and won 2nd prize conducted by department of Electronics and Communication, at National Engineering College, Kovilpatti on 14th and 15th 2025.



G.Dhanalakshmi, III year student of ECE department participated in CRYSTAL PIXEL event and won 2nd prize conducted by department of Electronics and Communication, at National Engineering College, Kovilpatti on 14th and 15th 2025.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



K.Manju sree, III year student of ECE department participated in Elecsphere odyssey conducted by department of Electronics and Communication, at Kalasalingam Academy of research and education on 13th and 14th 2025.



T.Karunya, III year student of ECE department participated in Elecsphere odyssey conducted by department of Electronics and Communication, at Kalasalingam Academy of research and education on 13th and 14th 2025.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



J. Juliet Ashiha, III year student of ECE department participated in Elecsphere odyssey conducted by department of Electronics and Communication, at Kalasalingam Academy of research and education on 13th and 14th 2025.



S. Madhumitha, III year student of ECE department participated in Elecsphere odyssey conducted by department of Electronics and Communication, at Kalasalingam Academy of research and education on 13th and 14th 2025.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY ACHIEVEMENTS



K.Lathika, III year student of ECE department participated in TNWISE 2025 conducted by Periyar Maniammai Institute of Science and Technology, Thanjavur on 21st March 2025.



B.Himalini, III year student of ECE department participated in TNWISE 2025 conducted by Periyar Maniammai Institute of Science and Technology, Thanjavur on 21st March 2025.



J.Juliet Ashiha, III year student of ECE department participated in TNWISE 2025 conducted by Periyar Maniammai Institute of Science and Technology, Thanjavur on 21st March 2025.





Department of Electrical and Electronics Engineering

in association with Tesla Club organizes a

**NATIONAL LEVEL WORKSHOP ON**

**"CONNECTING THE PHYSICAL AND DIGITAL WORLDS WITH NODE-RED"**

Who can attend:  
Students, Research Scholars and Faculty Members from SRM TRP Engineering College, Trichy

Free Registration



Resource Person  
**Mr. H. Ramkumar**  
Senior Professional  
Caggemini Engineering

Date : 15.03.2025 Time : 9.30 A.M. – 12.30 P.M

Zoom Meetings  
<https://tinyurl.com/SRMNodedred>

<b>Convener</b> Dr. M. P. Flower Queen HOD & Professor/EEE	<b>Co-Convener</b> Dr. R. Sathishkumar Associate Professor/EEE Contact: 9789173222	<b>Coordinators</b> Dr. R. Sowmya, AP/EEE Mr. J. Subramanian, AP/EEE Mr. J. Joylin Mary, AP/EEE Mr. G. Ramprakash, AP/EEE
--	---	---

[srp-trp-engineering-college](#) [trichywrtp](#) [trp.srmtrichy.edu.in](#)

EEE faculties Dr. R. Sathishkumar, Dr.R.Sowmya, Mr.J.Subramanian, Mrs.J.Joylin Mary, and Mr.G.Ramprakash conducted National Level Workshop on "Connecting the Physical and Digital worlds with Node Red" 15/03/2025



Department of Electrical and Electronics Engineering

Organize a Webinar by Alumni

**SKILL SET FOR CORPORATE**

Who can attend:  
3<sup>rd</sup> year and final year students of SRM TRP EC



**Ms. Abirami Jayabal**  
(Alumni 2016-Batch)  
Senior Software Engineer  
Tristha Global Software Pvt Ltd- Chennai

Date : 07/03/2025 | Time : 6.30 PM to 7.30 PM

Online Mode

To join the video meeting, click this link:  
<https://meet.google.com/myjm-trihm-ell>

<b>Convener</b> Dr. M. P. Flower Queen, HOD/EEE	<b>Co-Convener</b> Mr. J. Subramanian, AP/EEE	<b>Coordinators</b> Dr. R. Sathishkumar, AP/EEE, Dr. R. Sowmya, AP/EEE, Mr. V. Vengatesan, AP/EEE, Ms. J. Joylin Mary, AP/EEE.
---	--	--

[srp-trp-engineering-college](#) [trichywrtp](#) [trp.srmtrichy.edu.in](#)

EEE faculties Mr.J.Subramanian, Dr. R. Sathishkumar, Dr.R.Sowmya, Mr.V.Vengatesan and Mrs.J.Joylin Mary conducted Alumni talk on "Skill Set for Corporate" on 07/03/2025



[www.kingsengg.edu.in](http://www.kingsengg.edu.in)

**Dr. J. Arputha Vijaya Selvi, M.E., Ph.D.,  
Principal**

KCE/PRL/thanks/24-25



A NAAC Accredited Institution

21.03.2025

To  
**Dr. R. Sowmya,**  
Assistant Professor,  
Department of EEE,  
SRM TRP Engineering College,  
Trichy

Dear Madam,

On behalf of the Management, Staff and Students, I express my sincere thanks for accepting our invitation and delivering a lecture on *“Optimal Distributed Generation Planning in Distribution Network”* in the **Workshop on Smart Grid Technology for Renewable Energy Systems** organized by Department of Electrical and Electronics Engineering on 07.03.2025. I sincerely thank you for the efforts you have taken to make this session fruitful.

Thank you,

Regards,

ARPUTHA  
VIJAYA SELVI  
PRINCIPAL

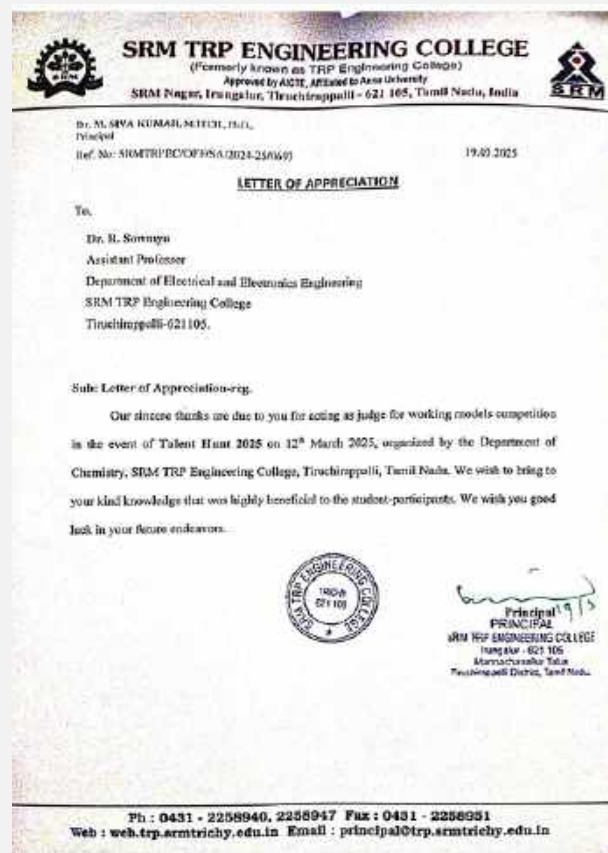
Digitally signed by  
ARPUTHA VIJAYA SELVI  
Date: 2025.03.21  
10:48:16 +05:30

Punaikulam, Near Thanjavur, Gandarvakottai Taluk, Pudukkottai District, Tamil Nadu - 613 303.  
Email : [contact@kingsengg.edu.in](mailto:contact@kingsengg.edu.in) Reception : 6380989024

Dr. R. Sowmya/AP/EEE delivered a lecture on “Optimal Distributed Generation Planning in Distribution Network” in the Workshop on Smart Grid Technology for Renewable Energy Systems organized by Department of Electrical and Electronics Engineering, Kings college of engineering on 07.03.2025.



Dr. R. Sowmya/AP/EEE got first prize in Womenza Fun Events'25 on 08/03/2025, SRM group of institutions



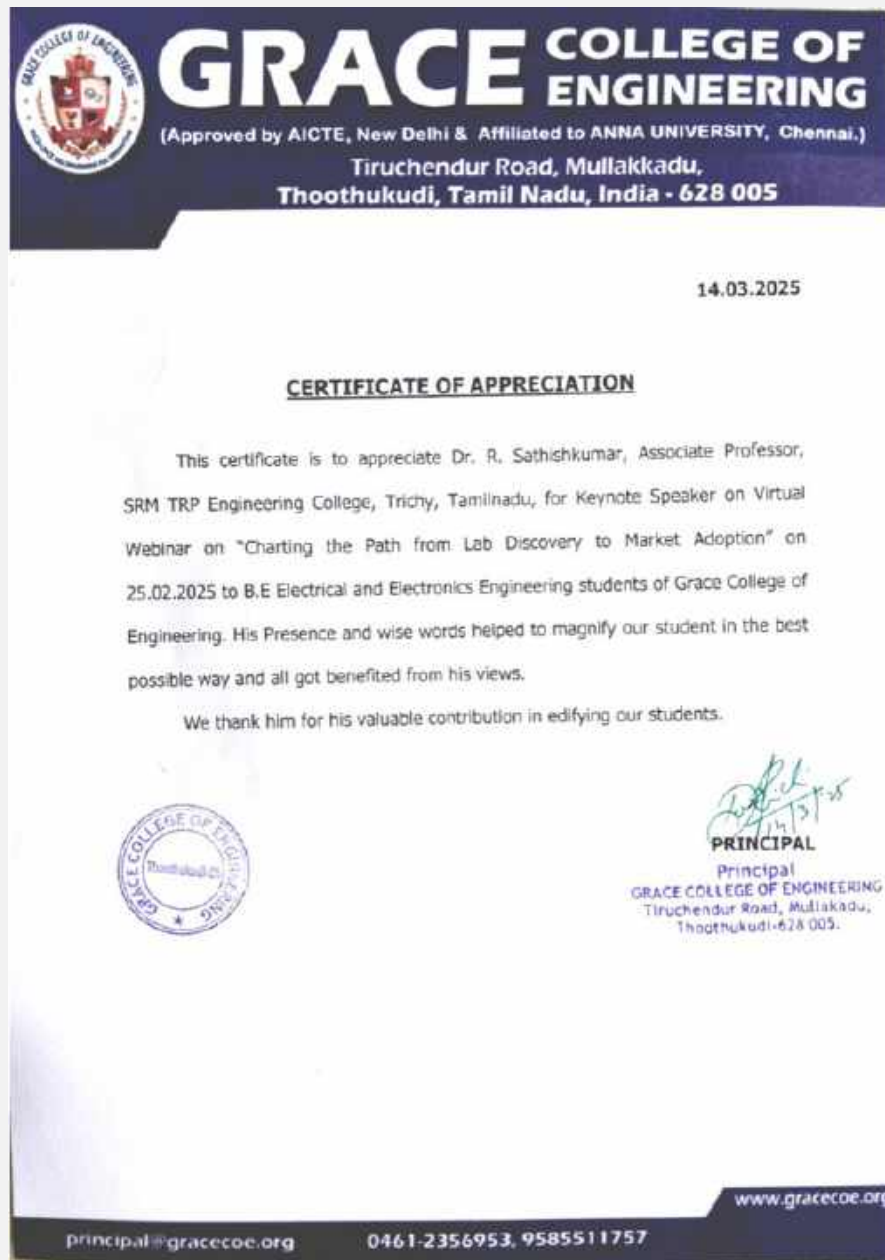
Dr. R. Sowmya/AP/EEE acted as a judge for the competition conducted on 12/03/2025



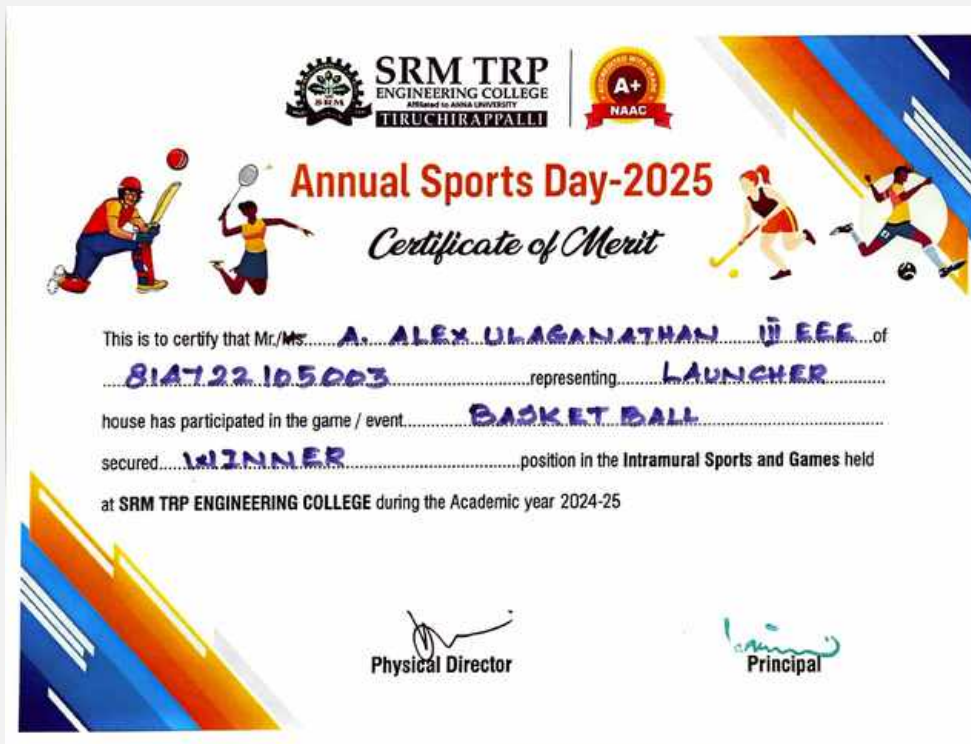
Dr. R. Sowmya/AP/EEE attended online webinar on 08/03/2025 conducted by BVICAM, New Delhi



Mrs. J.Joylin Mary/AP/EEE attended five days workshop at NIT,Trichy from 24/03/2025-28/03/2025



Dr. R. Sathishkumar/ASP/EEE delivered webinar on the topic of charting the path from lab discovery to market adoption organized by Grace college of Engineering



Alex Ulaganathan from III-EEE won in the basket ball competition and got II prize in 4\*400 Mtrs relay conducted by SRMTRPEC Sports Day.



# ELECTRICAL AND ELECTRONICS ENGINEERING

## STUDENT ACHIEVEMENTS



P S Madhumitha from III-EEE participated in the event cook without fire on 05/03/2025 conducted by SRMTRPEC



Pavadharani V from III-EEE won in the sports event of throw ball conducted by SRMTRPEC



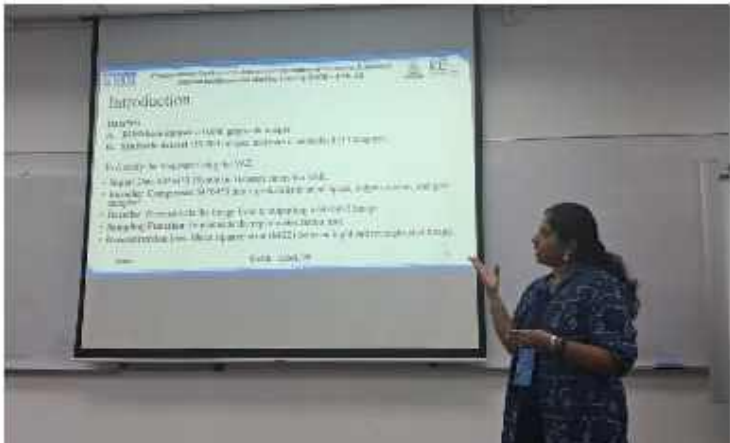
Sibhu C F from II-EEE won II place in the Quiz on SDG6 conducted by department of civil engineering and go green club, SRMTRPEC

# ELECTRICAL AND ELECTRONICS ENGINEERING

## STUDENT ACHIEVEMENTS



Sai Muhilan.P, Vigneshwaran.K and Vithyathar. S from III yr EEE attended five days workshop at NIT,Trichy from 24/03/2025-28/03/2025



Greetings Profs ,

"Im glad to announce that Mrs. M. Anitha, AP/CSE, participated in the prestigious 3rd International Conference on Science and Applications of Generative, Explainable Artificial Intelligence and Machine Learning (SAGE-AIML'25), held at AIMST University, Malaysia.

This conference was held in association with SRMIST, Ramapuram, AIMIST University, Malaysia, and Riyadh ELM University, Kingdom of Saudi Arabia, on March 6, 2025.

We are proud that Mrs. Anitha represented our Trichy campus and has excelled the presentation, with appreciation.

We extend our sincere gratitude to the Management, Director, Dean, Principal, and Vice-Principal for their unwavering support .

Congratulations, Mrs. Anitha, on this outstanding achievement!"



The poster is for a webinar titled "Cyber Security Awareness" organized by the Department of CSE and AI&DS at SRM TRP Engineering College, Tiruchirappalli. It features logos for SRM TRP, NAAC (A+), and NBA. The webinar is jointly organized with Industry Connect, CSI, and IEEE. The resource person is Mrs. Aarthi Rajamohan, Regional Security Engineer at McLaren, Bengaluru. The event is scheduled for 18.03.2025 from 02:00 p.m. to 04:00 p.m. in Seminar Hall. The poster also lists takeaways, conveners, and coordinators.

**SRM TRP ENGINEERING COLLEGE**  
Affiliated to ANNA UNIVERSITY  
TIRUCHIRAPPALLI

**Department of CSE and AI&DS**

**NAAC A+**

**NBA NATIONAL BOARD OF ACCREDITATION**

9 Digital Innovation and Entrepreneurship  
10 Digital Skills and Entrepreneurship

UNIVERSITY OF ENGINEERING & TECHNOLOGY

**IEEE**

INSTITUTIONS INNOVATION COUNCIL

**The SDG Accord**  
The University and College Sector's Endorsed Response to the Global Goals

Jointly Organize with  
**Industry Connect, CSI, IEEE**

Webinar on  
**Cyber Security Awareness**

Who can attend  
III Year CSE & AI&DS Students

  
Resource Person  
**Mrs. Aarthi Rajamohan**  
Regional Security Engineer,  
McLaren, Bengaluru

Google Meet link: <https://meet.google.com/roa-whgp-zxo>

Date : 18.03.2025 Time : 02.00 p.m. to 04:00 p.m. Venue : Seminar Hall

**TAKE AWAY**

- Basics of Cyber Security
- Security Operation Center
- Incident Response
- Information Security

**Conveners**  
Prof. S. Victor  
Associate Dean, /Industry Connect  
Dr. P. Sudhakaran  
HOD/CSE

**Coordinators**  
Mrs. P. Jeyamedona, AP/CSE  
Mrs. S. Devapriya, AP/CSE

Our Department of CSE ,AI&DS & Industry connect jointly organise a webinar on "Cyber Security Awareness" is scheduled for III CSE & AI&DS students.

Convenors:

Prof Victor Associate dean, Industry connect.

Dr.P.Sudhakaran,HoD/CSE

Coordinators:

Mrs.P.Jeyamedona AP/CSE

Mrs.S.Devapriya AP/ CSE



**SRM TRP**  
ENGINEERING COLLEGE  
Affiliated to ANNA UNIVERSITY  
TIRUCHIRAPPALLI

**Department of  
CSE and AI&DS**



**A+**  
NAAC



**NBA**  
NATIONAL BOARD  
OF ACCREDITATION



The SDG Accord  
The University and College Rank's Collective Response to the Global Goals

### International Relations Organizes webinar on **AI Wearable and Healthcare**

Who can attend  
III Year CSE and AI&DS Students

Resource Person  
**Prof Mark V. Albert, Ph.D**  
Associate Chair for Graduate Studies CSE,  
Associate Professor of CSE & Biomedical Engineering  
Director, Biomedical AI Lab (biomedAI.com)  
University of North Texas, USA.



**Date : 14.03.2025 Time : 03.00 p.m. to 05:00 p.m. Venue : Seminar Hall, 5<sup>th</sup> floor**

**TAKE AWAY**

- Enhance disease diagnosis & detection
- Personalized medicine
- Drug discovery and development
- Ai-powered robotics & surgery
- Challenges and ethical concern.

**Conveners**  
Abraham Benjamin Samuel  
Assistant Director  
International Relations  
Dr.P. Sudhakaran,  
HOD/CSE

**Coordinator**  
Mr. V. Rajesh, AP/CSE

International Relations and CSE and AI&DS department successfully completed the webinar AI wearable and Healthcare on 14-03-2025, 5th floor Seminar Hall

We extend our sincere gratitude to the management, Director, Principal and Vice Principal, IR Head for their unwavering support.



Jointly Organize with  
**CSI, IEEE, Coding Club**  
Webinar on  
**Advanced Dynamic Programming  
Techniques - Overview**  
Who can attend  
II Year CSE and AI&DS Students



Resource Person  
**Dr. B. Shameedha Begum**  
Assistant Professor  
Computer Science and Engineering,  
National Institute of Technology, Tiruchirappalli - 620015.

Google Meet link: <https://meet.google.com/ezk-mrwt-bvv>

Date : 19.03.2025 Time : 02.00 p.m. to 04:30 p.m. Venue : Seminar Hall

**TAKE AWAY**

- ✓ Advanced DP Techniques Enhance Efficiency
- ✓ NP-Hard Problems Lack Efficient Solutions
- ✓ Reduction is Key in NP-Hardness
- ✓ Dynamic Programming in Machine Learning
- ✓ Optimization in Data Science via DP

""Greetings from SRM TRP Engineering College,

Today the Department of CSE and AI&DS hosted Webinar on  
"Advanced Dynamic Programming Techniques - Overview"

The webinar began with a welcoming address highlighting the advanced dynamic programming techniques  
Dr. B.Shameedha Begum, National Institute of technology, Trichy chief guest and keynote speaker.  
Her extensive expertise and visionary insights were instrumental in shaping the discussions.

Sincere gratitude is extended to the Management, Dean, Director, Principal, Vice Principal, HoD, organizers,  
speakers, participants, and support staff for their contributions.



""Congratulations to our talented Students,

Sam D III-year- C Sec and, Nadasundram R III-year - B Sec, CSE students of SRM TRP Engineering College,

For securing II place in the Research Paper Presentation at AVC College of Engineering and winning a ₹750 cash prize!

Your dedication and hard work have brought pride to our department and also Guide Mrs M Anitha AP/CSE & Mrs P Jeyamedona, AP/CSE



"Congratulations to Our Achieving Innovators!

Huge accolades to Sam D, Sooriyaa, Selva Parath M of III CSE C, and Kalaimani R, Bharath Krishnan N of III CSE A from SRM TRP Engineering College for emerging as the

👑 Overall Grand Winners at Techno KreatiCon 2025 🌸

organized by PPG College, Coimbatore!

Your tireless efforts and dedication have brought immense pride to our department, mentors, and head. We celebrate your outstanding achievement!

Congrats to team Mentor Mrs M Anitha AP/CSE

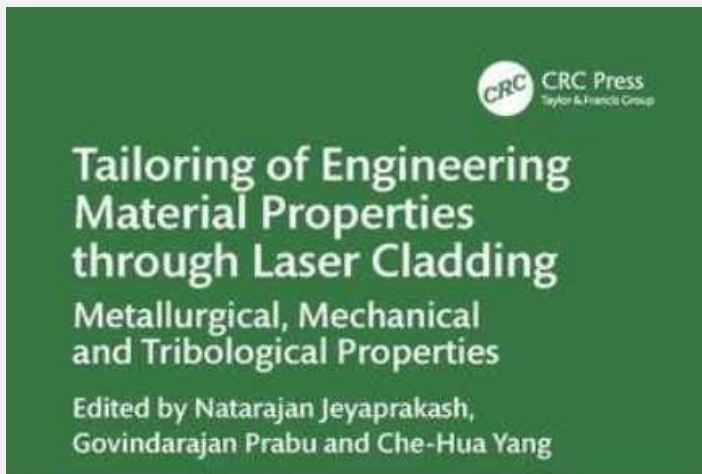
## FACULTY ACHIEVEMENTS



Dr. V. Laksmanan is pleased to formally announce the successful completion of the "Naan Muthuvan" Skill Development Program in the domain of Digital Manufacturing. He extends his sincere appreciation to the esteemed management, the Principal, and the Head of the Department for their unwavering support and for facilitating this valuable TRP learning opportunity.



Dr. V. Senthilkumar has been awarded a certificate by IIT Madras for the successful completion of the "Advanced Python Programming" course conducted through the GUVI platform. He extends his gratitude to the institution for enabling continuous professional development in advanced computing skills.



### Contents

Editors.....	vii
Contributors.....	viii
<b>1 Introduction.....</b>	<b>1</b>
<i>Raj Kumar Durairaj, Natarajan Jeyaprakash, and Che-Hua Yang</i>	
<b>2 Overall View of the Laser Cladding Process.....</b>	<b>26</b>
<i>S. Pradeep Kumar, K. Nirmal Kumar, S. Martin Vinoth, P. Marimuthu, and P. Dinesh Babu</i>	
<b>3 Hybrid Laser Cladding Process.....</b>	<b>58</b>
<i>V. Lakshmanan, D. Manikandan, and S. Hari Prasadh</i>	



Mr. D. Manikandan is delighted to announce the publication of a co-authored book chapter titled "Hybrid Laser Cladding Process", in collaboration with Dr. V. Lakshmanan. The chapter is featured in the Scopus-indexed book series "Tailoring of Engineering Material Properties through Laser Cladding: Metallurgical, Mechanical and Tribological Properties" (ISBN: 9781032693545), published by Taylor & Francis. This accomplishment marks a significant contribution to the field of advanced manufacturing and materials engineering.



Dr. V. Senthilkumar is pleased to share that he was invited to serve as a Jury Member for the Paper Presentation event at INCEPTRA'25, a National Level Symposium organized by Trichy Engineering College on 20th March 2025 (Thursday). He expresses his gratitude to the organizers for the opportunity to contribute to this prestigious academic event.



### Exposure Visit to Aquasub Engineering, Coimbatore – 22nd March 2025

The Department successfully organized an industrial exposure visit to Aquasub Engineering, Coimbatore on 22nd March 2025, which provided an enriching experience for our students. The visit spanned over four hours, during which students explored advanced technologies in Hydraulics and Pneumatics, relevant to their current semester subject.

Aquasub Engineering, a reputed core MNC with over 45 years of industrial excellence, has eight manufacturing units. The students visited Unit 4, which specializes in the production of:

Pumps: Submersible, monoblock, borewell, and industrial pumps

Motors: Electric and submersible motors

Pneumatic Systems: Hydropneumatic and pneumatic machinery

Other Products: Self-priming monoblock pumps, agricultural and stainless steel pumps

Students gained valuable insights into IoT-enabled production processes, automated tool retrieval systems, and critical components such as pumps, motors, and coils. The interaction with the company's eminent engineers greatly enhanced their understanding of core engineering concepts.



*You Choose, We Do It*  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
St. JOSEPH'S GROUP OF INSTITUTIONS  
OMR, CHENNAI - 119

**IMSTEM 2025**  
International Conference on Innovations in  
Materials Science, Technology, Engineering  
and Management for Sustainable  
Development (IMSTEM) - 2025  
Organized by the Department of Science,  
St. Joseph's College of Engineering, OMR,  
Chennai, Tamil Nadu, India.

**Dr. V. Senthilkumar**  
Associate Professor, Department of  
Mechanical Engineering, SRM TRP Engineering  
College, Trichy, Tamil Nadu, India.

Registration Link:  
[tinyurl.com/IMSTEM2025](https://tinyurl.com/IMSTEM2025)

Scan me to Register

Conference Dates  
30<sup>th</sup> & 31<sup>st</sup> March, 2025

**St. JOSEPH'S**  
GROUP OF INSTITUTIONS  
OMR, CHENNAI - 119

*The Choice of  
Disciplined Toppers*

Dr. V. Senthilkumar Appointed as Conference Chair for IMSTEM 2025

Dr. V. Senthilkumar is pleased to share that he has been appointed as the Conference Chair for the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM 2025). The conference is scheduled to be held in hybrid mode on 30th and 31st March 2025.

Dr. Senthilkumar will serve in the online mode, contributing to the successful coordination and academic excellence of the event. The conference is being organized by St. Joseph's College of Engineering, OMR, Chennai, India, and aims to bring together researchers, academicians, and industry professionals to explore advancements in sustainable development through innovations in materials and engineering.

He extends his gratitude to the organizers for entrusting him with this significant responsibility.



# SRM TRP

ENGINEERING COLLEGE  
Affiliated to ANNA UNIVERSITY  
**TIRUCHIRAPPALLI**

## COUNSELLING CODE : 3795



## SRM TRP ENGINEERING COLLEGE (SRM GROUP)

IRUNGALUR - 621105, MANNACHANALLUR - TALUK,  
TIRUCHIRAPPALLI, TAMILNADU

PHONE : 0431 - 2258681, 2258947

<https://trp.srmtrichy.edu.in/>

 @Trichysrmtrp  @SRMTRPEngineeringCollege  @srm\_trp  @TrichySRMTRP

 @srm-trp-engineering-college