

# SRM TRP ENGINEERING COLLEGE

## ASPIRE

Academic Skills Placement Innovation Research  
and Exploration

# NEWSLETTER

VOLUME 15 | ISSUE 1  
JANUARY TO JUNE 2024



# 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

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Asst.Professor / CSE

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Asst.Professor / English

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III-CSE

**Muhamed Faizal RO**

III-MECH

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**Mohamed Anas A**

IV - ECE

**Yogiraj S**

IV - ECE

**Sayiram T R**

IV - ECE

**Siva Santhosh M**

III - CSE

**Santhosh A P**

III - CSE



# KNOWLEDGE ENHANCEMENT

GUEST LECTURE



On January 8, 2024, the second-year civil engineering students attended a guest lecture on "Principles and Scope for Environmental Engineering."

Dr. Rajagopal, Assistant Professor, Department of Civil Engineering, University College of Engineering, Thiruchirappalli, delivered a lecture. Dr. S. Pitchikani, Assistant Professor and Head of Civil Engineering, organized the program, while Mr. S. Sanjeev Kumar, AP/Civil Engineering, coordinated it.

Environmental engineering is the application of science and engineering principles that provide a better environment, healthy water, air, and land for human habitation and other living beings, and rehabilitate polluted areas. In addition, it focuses on finding appropriate solutions in the field of public health, such as arthropod-related diseases, and in enforcing laws that promote adequate sanitation in urban, rural, and recreational areas.

We are pleased to announce that our department's final-year students received a dream job in M/S. MAESTRO

**Package : 4.32 LPA**

**Hearty Congratulation!!!**

SRM TRP  
ENGINEERING COLLEGE  
THIRUCHIRAPPALLI

DEPARTMENT OF CIVIL ENGINEERING  
STUDENT ACHIEVEMENTS

*Hearty Congratulations*

For Securing an Internship cum Placement Offer  
from Core Company.

**MAESTRO**  
STEEL DETAILING INC

**HARIHARAN K**  
CIVIL / FINALYEAR  
BATCH - 2020 - 2024

f srmtcrpcollege i srmtcrpcollege y srmtcrpcollege FOR ENQUIRIES 1800 202 2535



# KNOWLEDGE ENHANCEMENT

## EVENTS



We are happy to share that an event titled "Inspire the Aspirants" was successfully conducted on January 5, 2023. More than 330 students from various schools around Trichy participated in this program. Various courses were conducted, and certificates were awarded to the participants. The department heartily felicitated the student-participants in this memorable event.



We are delighted to share that the department of civil engineering successfully conducted a certificate program titled "Architectural Visualization," presented by a teaching faculty member from the department of civil engineering, Mr. S. Manimaran, and conducted a program titled "Inspire the Aspirant Program." Nearly 70 students from various schools and polytechnic colleges participated in the program and benefited.



# KNOWLEDGE ENHANCEMENT

## EVENTS



We are pleased to announce the successful completion of the "Inspire the Aspirants" event on January 5, 2024. More than 330 students from various schools around Trichy participated in this program. We have conducted various courses and awarded certificates to the participants. The college heartily congratulates the student-participants on this memorable event.



As part of the Inspire the Aspirant program, our faculty member Dr. A. Maria Jackson successfully led a certificate program on "AI-enabled "motor cycles" in the mechanical engineering department. The course was attended by almost 70 students from schools and polytechnic colleges.



# KNOWLEDGE ENHANCEMENT

## STUDENTS' ACHIEVEMENTS

PLACEMENT  
SEASON 2023-24

SRM TRP  
ENGINEERING COLLEGE  
TIRUCHIRAPPALLI

Heartiest  
**Congratulations**

44  
Students  
PLACED

ZF

Zf Commercial Vehicle Control Systems India

DEPARTMENT OF MECHANICAL  
ENGINEERING

SRM TRP ENGINEERING COLLEGE  
TIRUCHIRAPPALLI

Dept. of Mechanical Engineering  
We are thrilled to announce that the Mechanical Engineering students received dream offers from M/s ZF Commercial Vehicle Control Systems India Limited.

GOBIKRISHNAN K  
KISHORE K  
MANIARASU  
SREENATH S  
SRIRAM A  
THANIGAIVELAN D  
VIJAY PRABHU G  
VISHAL KS  
AKASH ARAVINDH A  
AKTHAR FARVES M  
ARAVINDHAN K  
ARUN KUMAR R  
CHANDRU S  
DHANUSH KUMAR K  
MOHAMED RAFAEEK A  
NIHIL RAM V

PRADEEP K  
RANJITH S  
SHAMIRKHAN S  
SIVA SURYA S  
SUBRAMANIAN S  
THANGARATHINAM S  
VIJAYA PRAKASH P  
VISHAL R  
YASHWANTH R  
JOSHUADENNY R

SRM TRP  
ENGINEERING COLLEGE  
TIRUCHIRAPPALLI

DEPARTMENT OF MECHANICAL ENGINEERING

*Heartiest Congratulations*

for securing a dream offer in reputed company  
**M/s. ZF commercial vehicle solutions**

ZF

Department of Mechanical Engineering!  
We are pleased to announce that the final-year mechanical engineering students received their dream offer in M/s. Blue Danio Sea Services  
CTC 6.25 LPA.

Name of the students:

1. Alagarsami S
2. Yashwanth R

SRM TRP  
ENGINEERING COLLEGE  
TIRUCHIRAPPALLI

NBA  
NATIONAL BOARD  
ACCREDITATION

DEPARTMENT OF MECHANICAL ENGINEERING

*Heartiest Congratulations*

the students for securing Dream Offer in **M/s. Blue Danio**

BLUE DANIO  
SEA SERVICES

with CTC of **6.25 LPA**

ALAGARSAMI S  
814720114001

YASHWANTH R  
814720114350

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# KNOWLEDGE ENHANCEMENT

## EVENTS



DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ACHIEVEMENT

*Hearty Congratulations*

for securing a offer in reputed company

**M/s. Aqua Group**



Aqua Group Engineering

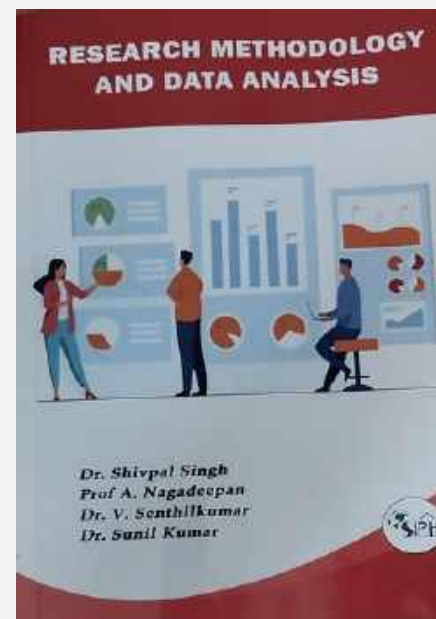
Department of Mechanical Engineering

We are proud to share that the Mechanical Engineering students got dream jobs at "M/s Aqua Group Coimbatore."

Gowtham C  
Gowtham RS  
Kadar meera J  
Midhun Shankar V  
Salman A  
Siddharth S  
Sivadhasan K  
Sivamoorthy M  
Thilak Benjamin SP  
Gopikrishnan M  
Mafaz ahamed A  
Pradeep M  
Vivekanndan P  
Subramanian S  
Prasanna L  
Shamirkhan S



We are pleased to share that the book titled "Research Methodology and Data Analysis" (ISBN-978-93-5757-856-1), co-authored by Prof. A. Nagadeepan as the 2nd author and Dr. V. Senthilkumar as the 3rd author, was published in December 2023, and the hard copy has been received recently. This book covers the M.E. course "RM4151: Research Methodology."



# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



### Microstructure and Mechanical Properties of Spin Arc Welded Type 316LN Stainless Steel plates

B. Arivazhagan<sup>1,2</sup>, V. Lakshmanan<sup>3</sup> and P. Sathya<sup>4</sup>

<sup>1</sup>Materials Joining Section, MMIL, KGCAR, Kalpakkam 605102  
<sup>2</sup>Assistant Professor (Engineering Sciences), MSRIT, Kalpakkam 605102  
<sup>3</sup>Assistant Professor, Dept. of Mechanical Engineering,  
SRM IIT Engineering College, Tiruvarur 621135  
<sup>4</sup>Professor, Dept. of Production Engineering, NIT, Tiruvarur 620015  
e-mail: arivazhagan@mmil.com

#### ABSTRACT

Nitrogen alloyed 316L(N) stainless steel is one of the major structural materials for the sodium cooled fast breeder reactor (FBR) at Kalpakkam. Spin arc welding also known as rotating arc welding is a variant of gas metal arc welding process. In this process, the arc is rotating during deposition of filler material. This process has simple edge preparation with high productivity hence this can be used to join plates of higher thickness. In the present work, 316LN plates of 12 mm thick were used in the preparation of weldments in 1G position. The parameters were optimized to obtain weldments that are visually acceptable as well as X-ray radiographic qualified weldments. Feritscope measurement shows that the weld has delta ferrite content in the range of 4.5FN - 5FN. The tensile properties are: UTS:595 MPa; YS: 390 MPa. The weld has higher strength than other zones of weldment as indicated by Vickers microhardness survey. By varying the arc rotation, it is possible to obtain the higher productivity in plates of equivalent thickness. The distortion of weldments after the welding was found to be minimum due to narrow groove as well as square edge preparation. The average impact energy of the welds found to be 160 Joules at room temperature. Further studies show that this process offers the scope to improve the productivity of 20 mm thick plates.

**Key words:** Spin arc welding; 316LN SS; Microstructure; Hardness.

We are thrilled to announce the presentation of one of our faculty collaborative works at an international conference in Bangalore. We conducted the work in the presence of eminent P-91 material scientists, Dr. B. Arivalagan from F-IIGCAR-Kalpakkam in Chennai, and Dr. P. Sathya, a professor at NIT Trichy and a leading expert in welding in Tamil Nadu.

The title is "Microstructure and Mechanical Properties of Spin Arc Welded Type 316LN Stainless Steel Plates."

Authors:

B. Arivazhagan, V. Lakshmanan, and P. Sathya

In 2024, Dr. V. Lakshmanan released a pattern titled "Double-sided Twisted Windmill Blades."

27/07/24, 3:52 PM Intellectual Property India

Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India

(<http://ipindia.nic.in/index.htm>)

 (<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202341063336
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/09/2023
APPLICANT NAME	1. Dr. K.Vijayan 2. Dr. P. Ranjith kumar 3. Dr. S.Selva kumar 4. DR.k.Manikandan 5. DR.k.Manikandan 6. Dr. V. Lakshmanan
TITLE OF INVENTION	DOUBLE-SIDED TWISTED WINDMILL BLADES
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-E-MAIL (As Per Record)	latchu.v2010@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/01/2024

# KNOWLEDGE ENHANCEMENT

## STUDENTS' ACHIEVEMENT

The FDP provides input on current mathematical developments from multiple domains. The FDP targets members of the mathematics discipline's faculty and research scholars. The FDP will offer a platform for participation and an opportunity to learn about the current state of mathematics. We trust that this FDP will provide insights for young researchers and enable them to choose a domain for further research.

### DEPARTMENT OF MATHEMATICS

*Organizes*

### INTERNATIONAL FACULTY DEVELOPMENT PROGRAM

*On*

## APPLIED MATHEMATICS IN ENGINEERING AND TECHNOLOGY

 <p><b>DATE :</b> 20.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. A. KAWTHAR ALAJMI</b> Lecturer University of Applied Science and Technology, Oman. <b>Development of breast cancer risk prediction models using the UK Biobank dataset</b></p>	 <p><b>DATE :</b> 21.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. M. NALLIAH</b> Assistant Professor -Senior Department of Mathematics, School of Advanced Sciences Vellore Institute of Technology Vellore Tamil Nadu, India <b>Local distance anti-magic chromatic number on graphs</b></p>
 <p><b>DATE :</b> 22.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. T. HYMAVATHI</b> BOS Chairman &amp; Head, Professor of Mathematics Adikavi Nannaya University, Rajahmundry. <b>Techniques to Fluid Dynamic Problems</b></p>	 <p><b>DATE :</b> 23.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. A. RAMESH</b> Associate Professor and Head Department of Functional Mathematics, Savaetha School of Engineering, Savaetha University, Chennai <b>Fuzzy soft set theory and its application to MCDM</b></p>
 <p><b>DATE :</b> 25.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>RAMAKRISHNA MANCHI</b> Assistant Professor (Grade II) National Institute of Technology, Silchar. <b>Bio Fluid Mechanics</b></p>	 <p><b>DATE :</b> 26.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. K. KALAIARASI</b> Assistant professor, PG and Research Department of Mathematics Cauvery college for women (A), Trichy. <b>Application of Applied Mathematics in Artificial Intelligence</b></p>
 <p><b>DATE :</b> 27.03.2024 <b>Time :</b> 10.30 A.M - 12.30 PM <b>Dr. NOR HANIZA SARMIN</b> Professor of Mathematics Faculty of Science Universiti Teknologi Malaysia Bahru Malaysia. <b>Applications of DNA Computation in Industrial Technology</b></p>	<p><b>MODE :</b> ONLINE <b>PLATFORM :</b> JIO MEET <b>PERIOD :</b> 20.03.24 - 27.03.24 <b>REGISTRATION FEE :</b> RS. 100/- (INR)</p>

# KNOWLEDGE ENHANCEMENT

Dept. of CSE  
STAFF'S ACHIEVEMENTS



Ms. M. Subasri attended an FDP on “Modern Research Convergence in Next Generation Computing” held at Sri Krishna College of Engineering and Technology from 18.12.2023-22.12.2023.

Ms. A. Balkees Bee attended an FDP on “Modern Research Convergence in Next Generation Computing” held at Sri Krishna College of Engineering and Technology from 18.12.2023-22.12.2023.

Ms.R. Sampavi attended an FDP on “Modern Research Convergence in Next Generation Computing” held at Sri Krishna College of Engineering and Technology from December 18–22.

Ms.A. Nagalakshmi attended an FDP on “Modern Research Convergence in Next Generation Computing” held at Sri Krishna College of Engineering and Technology from 18.12.2023-22.12.2023.

V VIJEYNATHAN's role as mentor for the NPTEL online certificate course  
**PROBLEM SOLVING THROUGH PROGRAMMING IN C**

P.JEYAMEDONA's role as mentor for the NPTEL online certificate course  
**INTRODUCTION TO OPERATING SYSTEM**

's  
**INTRODUCTION TO OPERATING SYSTEM**





Department of ECE

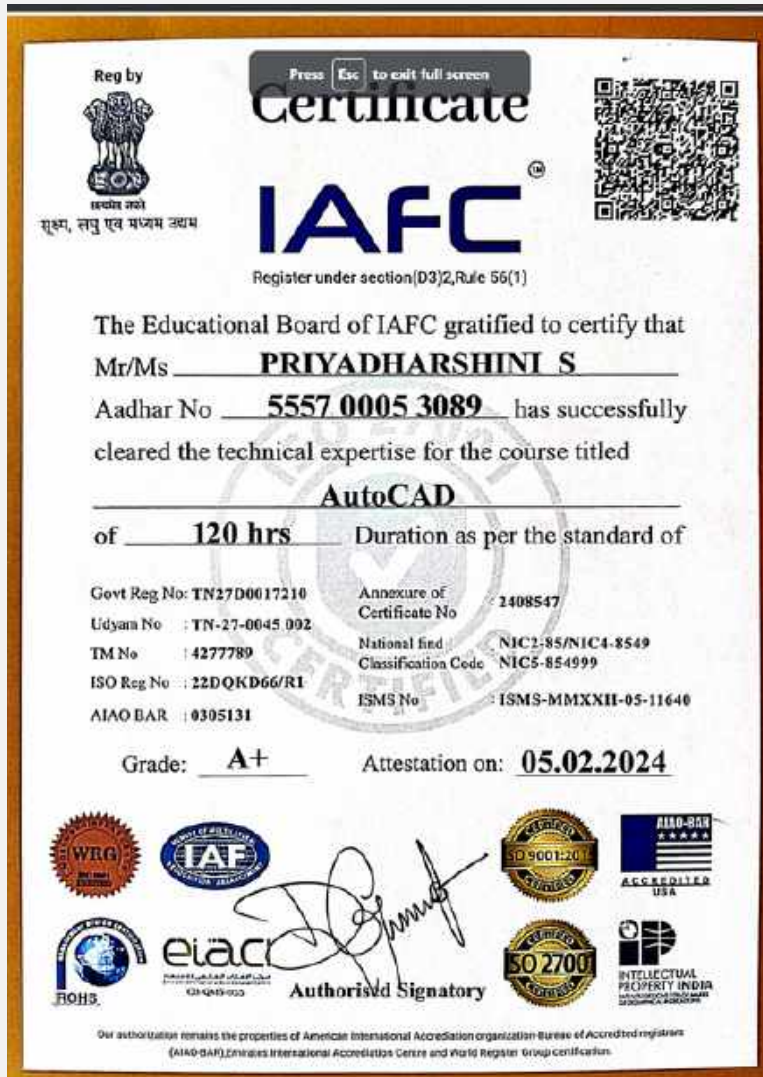
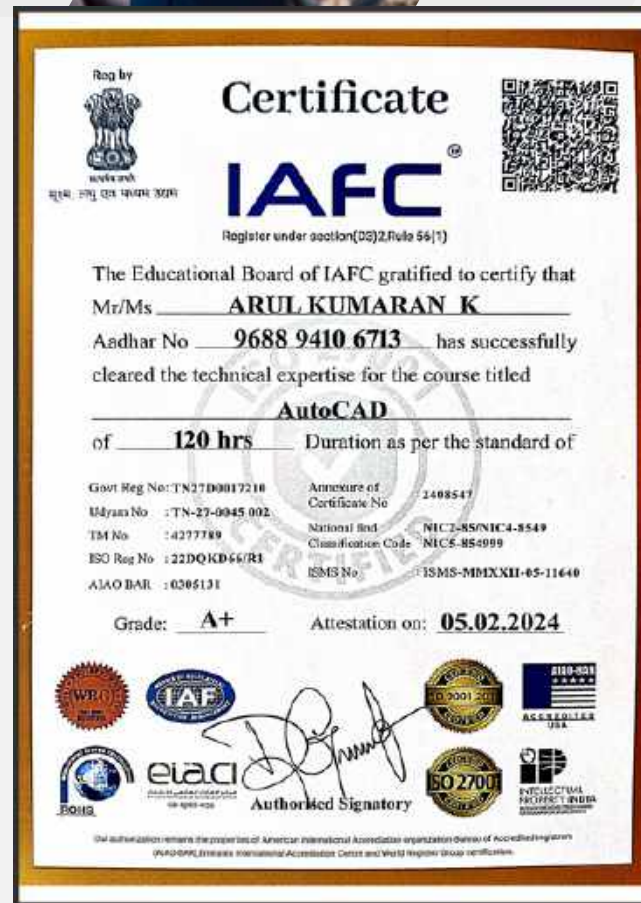
We are elated to share that the students of ECE got dream offers from M/s ZF COMMERCIAL VEHICLE CONTROL SYSTEMS INDIA LIMITED.

Akalya N	Rishika S
Arockia Alwin a	Saisruthi R
Azhagumani R	Santhoshkumar K
Boomika R	Sarulatha S
Dhanush R	Shabnam Fathima S
Dheena Dhayalan R	Shareenkartik S
Hariharan M	Shyam Kumar D
Hariprasath G	Siva R
Jayasree S	Tanuj Srinivasan P
Kalishwaran R	Thirunithi M
Kavidas P	Varshini A
Kiruba Karan S	Veeramunishwaran L G
Kiruthik Raj J	Vignesh K
Kovendan S	Vijay Kanna R
Krishna Shreyus M	Vishal T
Madhubalan M	Yogavarshini R
Monica S	Aarthi S
Murugan R	Ananth Kumar K
Premoshkumar S	Jerones Ronaldo
Priyadharshini M	Sayiram T R
Raksha R	Tamilselvan S
Ramkumar V	

# KNOWLEDGE ENHANCEMENT

## STUDENTS' ACHIEVEMENT

Mr. Arulkumaran, the II-year student of the Dept. of Civil, completed a 120-hour "IAFC" certification course on "AutoCad" for Grade A+ from January 22, 2024, to February 5, 2024.



Ms.S.Priyadharshini, the II-year student of the CIVIL department, completed a 120-hour "IAFC" certification course on "AutoCad" for Grade A+ from January 22, 2024, to February 5, 2024.

# KNOWLEDGE ENHANCEMENT

## PLACEMENT

Department of Civil Engineering  
We are happy to share that the students from the department of civil engineering got dream offers in "K Square Planners & Designers."

Name of the students

1. Giridharan N
2. Hariharan K
3. Maharajan R M
4. Radhakrishnan S P
5. Lavanya devi A
6. Sunilkumar
7. Vimal V
8. Aakil ahamed M

Hearty Congratulation to our students on securing Dream offer.



DEPARTMENT OF CIVIL ENGINEERING  
STUDENT ACHIEVEMENTS

*Hearty Congratulations*  
To Our Department Students for Securing a Placement Offer

**K SQUAR**  
PLANNERS & DESIGNERS

 <b>GIRIDHARAN N</b> CIVIL / FINAL YEAR	 <b>HARIHARAN K</b> CIVIL / FINAL YEAR	 <b>MAHARAJAN R M</b> CIVIL / FINAL YEAR
 <b>RADHAKRISHNAN S P</b> CIVIL / FINAL YEAR	 <b>LAVANYA DEVI A</b> CIVIL / FINAL YEAR	 <b>SUNIL KUMAR P</b> CIVIL / FINAL YEAR
 <b>VIMAL V</b> CIVIL / FINAL YEAR	 <b>AAKIL AHAMED M</b> CIVIL / FINAL YEAR	

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DEPARTMENT OF CIVIL ENGINEERING  
STUDENT ACHIEVEMENTS

*Hearty Congratulations*  
to our Final year Students  
for Securing a Placement Offer in

**AGF**  
Group

 <b>VIMAL V</b> CIVIL / FINAL YEAR	 <b>MOHAMED ITHRIES S</b> CIVIL / FINAL YEAR
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[smttrpcampus](#) [trichysrtrp](#) [trp.smttrpedu.in](#) FOR ENQUIRIES 1800 202 2535

Department of Civil Engineering  
We are happy to share that the students of the department of civil got dream offers in "AGF Group."

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Nodal Center SRM TRPEC - IIRS ISRO Outreach Programme  
Co-Ordinator : S.MANIMARAN AP/Civil



Dr.S. Pitchaikani and Mr. S. Manimaran completed a one-week IIRS-ISRO online certification course on “Basics of Remote Sensing, Geographical Information System, and Global Navigation Satellite with a System” for Grades B and B+ from February 19, 2024, to February 23, 2024.



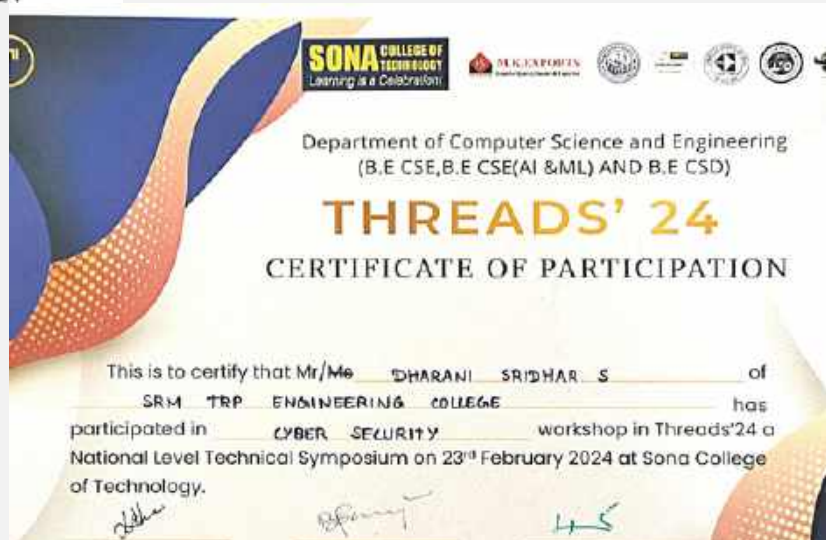
# KNOWLEDGE ENHANCEMENT

## STUDENT AND FACULTY ACHIEVEMENT



On behalf of the department of EEE, the third-year students Arjun.S., Atchaya.G., and Mohammedh.Kalidh attended a “Title Sponsor Qualcomm “SOC Design for Low Power Application.

Dharani Sridhar S from the third year EEE participated in the workshop regarding cyber security event THREADS'24 in SONA College of Engineering SALEM.



Intellectual property rights (IPR) underscore their pivotal role in fostering innovation within trade. By safeguarding inventions and creations, IPR incentivizes entrepreneurs and inventors, driving economic growth. Through his analysis, Prof. Vengatesan illuminates how robust IPR frameworks not only protect intellectual assets but also spur competition and advance technological progress."

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Intellectual Property Rights (IPR) underscores its pivotal role in fostering innovation within trade. By safeguarding inventions and creations, IPR incentivizes entrepreneurs and inventors, driving economic growth. Through the analysis, Prof. Dr. F. Jingle Jabha illuminates how robust IPR frameworks not only protect intellectual assets but also spur competition and advance technological progress."

Intellectual Property Rights (IPR) underscores its pivotal role in fostering innovation within trade. By safeguarding inventions and creations, IPR incentivizes entrepreneurs and inventors, driving economic growth. Through the analysis, Dr. M.P. Flower Queen illuminates how robust IPR frameworks not only protect intellectual assets but also spur competition and advance technological progress.



# KNOWLEDGE ENHANCEMENT

## EVENTS



We are proud to announce that a one-day workshop on "Creating Videos, Making Equations and iSpring quizzes in eCurricula LMS" was successfully conducted. Participants: The Members of Faculty, SRM TRP Engineering College Hearty congratulations to all the participants.



S.Prithiviram, a final-year Mechanical Engineering student, presented a seminar titled "Management Principles" on February 15, 2024. The seminar on Principles of Management offered a comprehensive exploration of the foundational concepts guiding effective organizational leadership. Delving into Henri Fayol's classic principles, the seminar elucidated the fundamental tenets of planning, organizing, commanding, coordinating, and controlling. It emphasized the significance of these principles in fostering efficiency, unity of direction, and equity within an organization. The seminar also highlighted the evolving nature of management practices by discussing contemporary perspectives like Peter Drucker's management by objectives and systems theory. The seminar underscored the importance of adaptability and innovation in applying management principles to diverse organizational contexts, thereby enabling participants to gain invaluable insights into the dynamic field of management.

# KNOWLEDGE ENHANCEMENT

## EVENTS

On February 29, 2024, the online "Recent Trends in Welding Technology" event brought together industry experts, researchers, and welding enthusiasts to explore the latest advancements in the field. The event provided a platform for knowledge exchange and networking, shedding light on the transformative changes shaping the welding industry.

Attendees had the opportunity to witness live demonstrations of state-of-the-art welding technologies, showcasing innovations like laser welding, friction stir welding, and 3D printing.

The "Recent Trends in Welding Technology" event brought together industry experts, researchers, and welding enthusiasts to explore the latest advancements in the field. Held on February 29, 2024, through online mode, the event provided a platform for knowledge exchange and networking, shedding light on the transformative changes shaping the welding industry.

Attendees had the opportunity to witness live demonstrations of state-of-the-art welding technologies, showcasing innovations like laser welding, friction stir welding, and 3D printing. energy-efficient practices. The event also addressed the challenges and opportunities in training the next generation of welders, emphasizing the importance of skill development in the rapidly evolving landscape of welding technology.

In conclusion, the "Recent Trends in Welding Technology" event provided a comprehensive overview of the dynamic changes occurring in the field. The event left participants with a deeper understanding of the latest trends and a renewed enthusiasm to leverage these advancements for the benefit of the welding industry as a whole.



**SRM TRP ENGINEERING COLLEGE**  
TRICHIRAPPALLI

**ISHRAE**

**SFEINDIA**  
SOCIETY OF FRICTION ENGINEERS AND INDIAN NATIONAL SOCIETY OF FRICTION ENGINEERS

**INSTITUTION'S INNOVATION COUNCIL**

**Department of Mechanical Engineering**  
Organizes a  
**SEMINAR**  
On  
**RECENT TRENDS  
IN WELDING TECHNOLOGY**

**29.02.2024** **07.00 p.m. to 08.00 p.m.**

Venue : Online mode

**Resource Person**  
**Mr.K.KARTHIKEYAN**  
(Alumni 2018 batch)  
Sr. Welding Engineer,  
Toshiba JSW Power systems  
Chennai

**TAKE AWAY** • BASICS OF WELDING  
• JOB OPPORTUNITY IN WELDING FIELD

Who can attend : Mechanical Engineering students  
Platform : Google meet  
Link : <https://meet.google.com/iuo-hjdf-qqn>

**Convenor**  
**Dr.G.PAULRAJ**  
Professor/ Head  
Department of mechanical engineering

**Co- Convenors**  
**Mr.N.SENTHILKUMAR**  
**Mr.D.MANIKANDAN**  
Assistant Professor  
SRM TRP Engineering College

[srmitrichycampus](#) [trichysrmitrp](#) [trp.srmitrichy.edu.in](#) **FOR ENQUIRIES 1800 202 2535**

## Department of Mechanical Engineering

Organizes a

# SEMINAR

On

# RECENT TRENDS IN WELDING TECHNOLOGY



29.02.2024



07.00 p.m. to 08.00 p.m.

Venue : Online mode



Resource Person

**Mr.K.KARTHIKEYAN**

(Alumni 2018 batch)

Sr. Welding Engineer,  
Toshiba JSW Power systems  
Chennai

**TAKE AWAY**

- BASICS OF WELDING
- JOB OPPORTUNITY IN WELDING FIELD

Who can attend : Mechanical Engineering students

Platform : Google meet

Link : <https://meet.google.com/iuo-hjdf-qqn>

**Convenor**

**Dr.G.PAULRAJ**

Professor/ Head

Department of mechanical engineering

**Co- Convenors**

**Mr.N.SENTHILKUMAR**

**Mr.D.MANIKANDAN**

Assistant Professor

SRM TRP Engineering College

# KNOWLEDGE ENHANCEMENT

## EVENTS ATTENDED



Students from the Department of Mechanical Engineering at SRM TRP Engineering College participated in the Electric Vehicle Competition in Bhopal. They were congratulated by our beloved principal for their continuous efforts towards electric vehicle manufacturing.

Date: 14.02.2024

Venue: Principal Office



The Department of Mechanical Engineering sent twenty-seven students to the Electric Vehicle Competition in Bhopal, where they won certificates.



# KNOWLEDGE ENHANCEMENT

## EVENTS ATTENDED



We are pleased to announce that students from the Mechanical Engineering department (Team Revamp Racing) participated in the ELECTIRC TWO WHEELER DESIGN COMPETITION, organized by ISIE-SSIEP, at IES University, Noida, Bhopal.

The Kongunadu Engineering College-organized cricket tournament saw the SRM TRP Engineering College student team take second place. The institution's principal congratulated them for their efforts in extracurricular activities.



At the Tire 2 SAE event, we won 2nd prize in paper presentation.

### STUDENTS

S. ASAIPANDIAN

S. KIRUBARAJ

R. Mohameed Faisal

### FACULTY ADVISOR

Mr. M. DHANENTHIRAN (Asst. Prof. MECH)

Dr. V. Lakshmanan (Associate Professor, MECH)



# KNOWLEDGE ENHANCEMENT

## ACHIEVEMENT of the Faculty



We are pleased to announce the grant of Dr. G. Paulraj's design patent, "Aerial Surveillance Vehicle (DRONE)," filed in 2020. Dr. G. Paulraj thanks our management, the Director, Principal, Dean (Research), and all the administrators for encouraging the research culture in our SRM TRP Engineering College, Department of Mechanical Engineering.



Mr. D. MANIKANDAN's research article, "Effect of hybrid filler loading (Polyalthia longifolia seed and graphite) on the Mechanical and Thermal Properties of Vinyl Ester Composites," has been published in the SCI's Q1 ranking with an impact factor of 5.23.



The faculty members from SRM TRP Engineering College participated in the Trichy SRM Cricfiesta 2024. During the game, the players showed amazing skill and toughness, captivating fans with their stunning performances and nail-biting endings. There were many brilliant moments in the games that kept fans on the edge of their seats, from blazing centuries to amazing bowling spells. The event also gave upcoming players a chance to show what they could do. Both young players and seasoned veterans made their mark. Despite intense competition, friendship and mutual love prevailed. This shows how cricket can bring people together. The tournament came to a thrilling close with the match, which culminated in an exciting fight.

# KNOWLEDGE ENHANCEMENT

## CAREER GUIDANCE



A comprehensive career guidance program was conducted for +2 students in Madurai. The event aimed to provide students with valuable insights into various career paths, helping them make informed decisions about their future. Expert counselors and industry professionals delivered engaging sessions on diverse fields such as engineering, medicine, the humanities, and emerging technologies. Interactive workshops and Q&A sessions allowed students to explore their interests and clarify their doubts. The program was well-received, empowering students with the knowledge and confidence to pursue their aspirations.

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS OF FACULTY, ECE



On February 23, 2024, the following faculty members completed an FDP on the topic "IPR: THE TRADEMARK FOR INNOVATION" at SRM Madurai College for Engineering and Technology.

- K.PRIYADHARSHINI
- D.LAVANYA
- A.SRIRAM
- G.PARAMESWARAN
- M.KRISHNA RANI
- S.MIRDULA
- D.GAYATHRI
- K.SIVARANJINI





The third-year students, Monika N and Tamilselvan R, successfully completed and obtained 50% and 53%, respectively, in Plastic Waste Management at Swayam NPTEL.

🌸🌸 Organized by IIT Kharagpur.

Here, I am wishing for all their efforts to be successful in the upcoming days.

🍁🍁 Many congratulations, Monika and Tamilselvan.







# KNOWLEDGE ENHANCEMENT

EVENT

Department of Civil Engineering  
& Go Green Club  
Organize a  
World Water Day Observance  
Programme 2024

## “QUIZZ WIZARD ON WATER“

The Department of Civil Engineering, GCET, organized a “Water Conservation Awareness Program” (as part of World Water Day 2024) on March 15, 2024. The program included two expert talks, quizzes, and group discussion activities. We organized the program for 1st year students of all branches and 2nd, 3rd, and 4th year civil engineering students. A total of 60 students actively participated in the program.



Department of Civil Engineering  
&  
Go Green Club  
Organize a  
World Water Day Observance Program 2024

## “QUIZZ WIZARD ON WATER“

📅 15.03.2024 ⌚ 3.00 PM to 5.00 PM

**Quiz Topics**  
The Significance of world water day  
The significance of Water conservation  
Leveraging water for peace

**Rules of the Quiz**

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

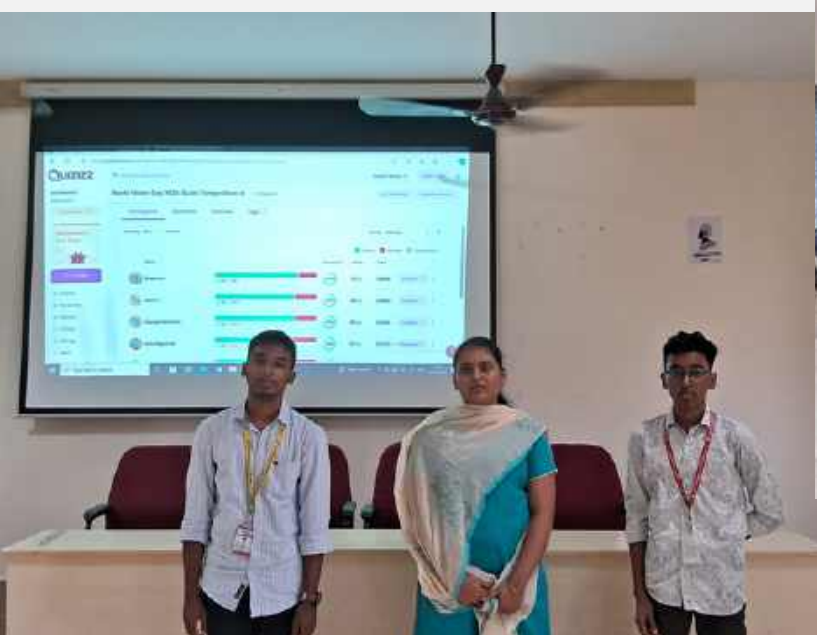
**Prizes** | **Learning Prizes for the winners and participation certificate for all participants** | **Who can attend - First year and second year students of SRM TRP IC, Mech, Computer A&I / 4th Bar / Bank / I**

**Convener**  
Mr. S. Manimaran  
AP / CIVIL  
De Green Club Coordinator

**Event Coordinator**  
Mr. K. Sureshraj  
AP / CIVIL  
Mr. S. Sanjeev Kumar  
AP / CIVIL

**Students Coordinator**  
Gunasakaran S CIVIL / 3<sup>rd</sup> year  
Adithya K CIVIL / 2<sup>nd</sup> year

[f smthegreenclub](#) [i idayamtrp](#) [ip.srmecdy.edu.in](#) **FOR ENQUIRIES 1800 202 2535**



# KNOWLEDGE ENHANCEMENT

## EVENT

Department of Civil Engineering  
& Go Green Club  
Organize a  
World Water Day Observance  
Programme 2024  
“Painting and Pencil art  
Competition“

The Department of Civil Engineering, GCET, arranged a "Water Conservation Awareness Program" on March 20, 2024, in conjunction with World Water Day 2024. The program included a painting and pencil art competition. We organized the program for 1st year students from all branches and for 2nd, 3rd, and 4th year civil engineering students. A total of 60 students actively participated in the program.



**Department of Civil Engineering**  
&  
**GO GREEN CLUB**  
Organize a  
**WORLD WATER DAY OBSERVANCE PROGRAM 2024**  
**PAINTING AND PENCIL ART COMPETITION**

**THEME :** THE SIGNIFICANCE OF WATER CONSERVATION  
LEVERAGING WATER FOR PEACE

**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

**20.03.2024** **3.00 PM to 5.00 PM**

**Drawing Hall : Conference hall**  
**Who can attend : For all first year and second year students**

<b>Convener</b> Mr. S. NANINARAN AP / CIVIL Go Green Club Coordinator	<b>Event Coordinator</b> Dr. K. AGHILESH, AP / CIVIL Mr. K. SURESRAJA, AP / CIVIL	<b>Students Coordinator</b> ELAKKIYA, D, Civi / 3 <sup>rd</sup> year PRIYADHARSHINI S, Civi / 2 <sup>nd</sup> year
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[f ermrtrpcampus](#) [i trichyemrp](#) [tp:ermrtrp.edu.in](#) **FOR ENQUIRIES 1800 202 2535**





Mr. S. Manimaran has completed an 8-week online certification course on “Introduction to the Civil Engineering Profession” at Grade Elite.

# KNOWLEDGE ENHANCEMENT

NATIONAL LEVEL WEBINAR

## Software Development Lifecycle(SDLC) for PLC/HMI

MR. H. RAMKUMAR

The Department of EEE organized a webinar named "Software Development Lifecycle for PLC/HMI". In the web meeting, Mr. H. Ramkumar (a senior professional from Capgemini Engineering Pvt. Ltd.) graced the event and shared his experience with our students.



**SRM TRP ENGINEERING COLLEGE**  
THIRUCHIRAPPALI

**INSTITUTION'S INNOVATION COUNCIL**  
Ministry of Education, Government of India

**Department of Electrical and Electronics Engineering**  
&  
**Institution's Innovation Council (IIC)**  
Organizes an  
**National Level Webinar**  
on

**"SOFTWARE DEVELOPMENT LIFECYCLE(SDLC) FOR PLC/HMI"**

**16.03.2024 11:00 AM**

Who can attend? Students, Research Scholars and Faculty Members from Engineering Colleges.

**Mr.H. Ramkumar**  
Senior Professional-I  
Capgemini Engineering Pvt. Ltd.

Google Meet: <https://meet.google.com/vye-ekgh-yxg>

Registration Link : <https://tinyurl.com/SRMPLC>

**Convenor**  
**Dr.M.P.Flower Queen**  
Prof & HOD/EEE

**Co-Convenors**  
**Dr. R. Sathishkumar**  
Associate Professor/EEE  
**Mr.J.Subramanian**  
Assistant Professor/EEE

**Coordinators**  
**Dr. P.Soundarajan** ASP/EEE  
**Mr. G.Ramprakash** AP/EEE  
**Mr.V.Vengatesan** AP/EEE

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"A good software, like wine, takes time."

JOEL SPOLSKY

On March 16, 2024, the meeting took place, providing more than 55 participants with the opportunity to enhance their knowledge in their respective fields of interest.



### Hands on Training on Industrial Automation in PLC

MR. J SUBRAMANIYAN

Department of Electrical and Electronics Engineering  
Organizes A  
One-Day Workshop on  
**"HANDS ON TRAINING ON  
INDUSTRIAL AUTOMATION  
IN PLC"**

**19.03.2024** **09:30 AM - 04:30 PM**

Who can attend?  
Engineering Students, Faculty members & researchers from Engineering Colleges,  
Students & Faculty members from Polytechnic colleges.

 **Mr. J. Subramaniyan**  
AP / EEE,  
SRM TRP Engineering College.

**SESSION DETAILS**  
Session 1:- Introduction to PLC  
Session 2:- Basic Ladder Logic Diagram  
Session 3:- Real-time design of Latch, Hold, Timer & Counter  
Session 4:- Real-time design of Keep, Set & Reset

Venue : Power system Simulation Lab, II floor (Block-2),  
SRM TRP Engineering College

Account details : The chief Superintendent  
TRP Engineering College A/c:-153109000211308  
Bank: **City Union Bank** | IFSC: **CIUB0000475**  
Branch : **Irungalur**

**Rs.300/-** Registration Fee **19.03.2024** Last Date for Registration

Registration link : <https://forms.gle/56nxt6yD8eeVn7PA>

Convenor  
**Dr. M.P.Flower Queen**  
HOD/EEE  
SRM TRPEEC

Co-Convenors  
**Dr. R. Sathishkumar**  
Asso.Prof / EEE  
SRM TRP Engineering College  
**Prof. J.Subramaniyan**  
Assistant Professor,

Coordinators  
**Dr.P.Soundar Rajan** Asso. Prof / EEE  
**Mr.V.Vengatesan** AP / EEE  
**Mr.G.RamPrakash** AP / EEE  
**Ms.J.Joylin Mary** AP / EEE

"You are either  
the one that  
create  
Automation, or  
you are getting  
automated."

TOM PRESTON WERNER

The Department of Electrical and Electronics Engineering of SRM TRP Engineering College organized a one-day workshop titled "Hands-on Training on Industrial Automation in PLC" on March 19, 2024, in the Power System Simulation Lab, II Floor (Block-II). Mr. J. Subramaniyan, Assistant Professor, Department of EEE, SRM TRP Engineering College, delivered the keynote spMs. J. Jolina Mary and Mr. V. Vengatesan, Assistant Professor, Department of EEE, SRM TRP Engineering College, coordinated the workshop event. Various electrical and electronics engineering college students attended the event. The workshop focused primarily on industrial automation and application in designing the ladder logic diagram.

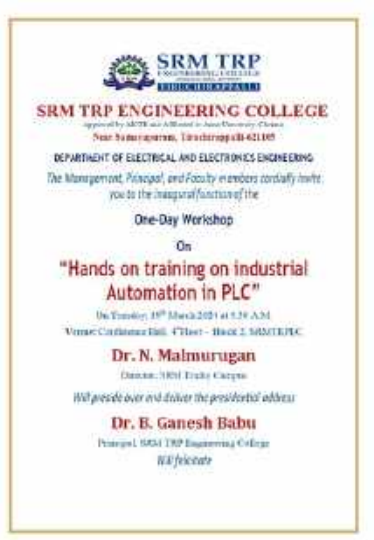
# KNOWLEDGE ENHANCEMENT

HANDS ON TRAINING ON INDUSTRIAL AUTOMATION IN PLC



# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Prof. J. Subramaniyan offered immersive training in industrial automation focusing on PLC technology. He provided hands-on experience in programming, troubleshooting, and optimizing PLC systems. Prof. J. Subramani's expert guidance enabled us to enhance our skills through practical exercises and real-world scenarios, and to master the fundamentals of PLC automation.

Prof. J. Subramaniyan provides comprehensive guidance on the Software Development Lifecycle (SDLC). Under Subramani's mentorship, you can learn methodologies, tools, and best practices to streamline your development process and gain insights into the requirement analysis, design, coding, testing, and maintenance phases. Accelerate your software projects with Subramani's expertise in SDLC management."



Prof. Jingle Jabha's two-day dynamic online faculty program is specifically designed for educators seeking to excel in virtual teaching environments. Delving deep into interactive workshops, collaborative discussions, and personalized coaching sessions were the special features of the program led by seasoned experts. Explore cutting-edge pedagogical techniques, innovative digital tools, and strategies to foster engaging online learning experiences. Elevate your teaching prowess and adaptability in the digital age with Jingle Jabha's comprehensive program.



# KNOWLEDGE ENHANCEMENT

## FACULTY & STUDENT ACHIEVEMENTS



A. Sriram attended an FDP on Analog IC Design in the College of L&T EDU TECH, held from January 29, 2024, to February 3, 2024.



# KNOWLEDGE ENHANCEMENT

## EVENTS



SRM TRP ENGINEERING COLLEGE  
Institution's Innovation Council & Entrepreneurship Development Cell organizes a

### A Logo Design Contest

Theme : Research, Innovation, Startup and Entrepreneurship (R.I.S.E)

Last date for submission  
**09.03.2024 12:30 PM**

Who can attend? Open to all students of SRM TRP Engineering College

Submission QR Code

Convenor  
**Dr. A. Marijackson**  
AP/ Mech

Coordinators  
**Dr. M. Umar** AP/ Mech  
**Dr. G. Balaji** AP/ Mech  
**Dr. S. Jayasathyakavin** AP/ Mech

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SRM TRP Engineering College, Trichy.

The institution's Innovation Council and Entrepreneurship Development Cell jointly organize a logo design contest on "R.I.S.E."

We cordially invite you all to participate in the logo design contest for "R.I.S.E."

Theme: Research, Innovation, Start-Up, and Entrepreneurship Council

A seminar is organized at SRM TRP Engineering College, Trichy.

Amrit Kaal Vimarsh - VIKSIT BHARAT at 2047.

We are pleased to invite you all to participate in the seminar on "How to Plan a Start-Up."

Resource person:

Mr. P. Rajappa,  
President, TIDISSIA, Trichy.  
(Tiruchirappalli District Small Scale Industries Association)

SRM TRP ENGINEERING COLLEGE  
AMRIT KAAL VIMARSH  
VIKSIT BHARAT @ 2047

TOPIC  
**HOW TO PLAN A START - UP ?**

**08.03.2024 02:00 PM**

Take Away  
➤ Importance of Start-ups ➤ Steps involved in Launching a startup

Who can attend?  
Faculty & students of SRM TRP Engineering college.

Venue : Conference Hall (Fourth Floor), SRM TRP EC

**P. Rajappa**  
President, TIDISSIA, Trichy.  
(Tiruchirappalli District Small Scale Industries Association)

Convenor  
**Dr. B. Ganesh Babu**  
Principal, SRM TRP EC.

Co-Convenor  
**Dr. C. Ramesh Kannan**  
Vice-Principal, SRM TRP EC.

Coordinators  
**Dr. M. Umar**, AP - Mech  
**Dr. A. Maria Jackson**, AP - Mech

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# KNOWLEDGE ENHANCEMENT

## EVENTS

The seminar on Metal Forming Processes and Finite Element Analysis (FEA) will explore the integration of computational techniques in optimizing metal forming operations. Metal forming processes encompass a variety of techniques such as forging, rolling, extrusion, drawing, and stamping, which are essential in industries ranging from automotive to aerospace. Finite Element Analysis (FEA) plays a crucial role in understanding and improving these processes.



**SRM TRP ENGINEERING COLLEGE** (Approved by Anna University) TIRUCHIRAPPALLI

**ISHRAE**

**INSTITUTION'S INNOVATION COUNCIL**

**SEINDIA**

**DEPARTMENT OF MECHANICAL ENGINEERING**

Organizes a

**Seminar On**

**THE METAL FORMING PROCESS AND FINITE ELEMENT ANALYSIS**

22.03.2024 07.00 p.m. to 08.00 p.m.

Who can attend : Mechanical Engineering students

**Resource Person**

 **N BALAJI**  
Prime Minister Research Fellow (PMRF),  
Dept. of Metallurgical and Materials Engineering,  
National Institute of Technology,  
Tiruchirappalli -620015

**TAKE AWAY :**

- Material Deformation
- Job opportunity in Metallurgical field

Venue : Online mode Platform (If Online) : Google meet

Link : <https://meet.google.com/iuo-hjdf-qqn>

**Convenor**  
Dr.G.PAULRAJ  
Professor/ Head  
Department of mechanical engineering

**Co- Convenors**  
Mr.M.GANESH KARTHIKEYAN  
Mr.D.MANIKANDAN  
Assistant Professor  
SRM TRP Engineering College

**Coordinators**  
Mr.N.SENTHILKUMAR  
Dr.V.LAKSHMANAN  
Assistant Professor  
SRM TRP Engineering College

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**SRM TRP ENGINEERING COLLEGE** (Approved by Anna University) TIRUCHIRAPPALLI

**INSTITUTION'S INNOVATION COUNCIL**

**SRM TRP ENGINEERING COLLEGE**

Organizes a

**CONTEST FOR NEWSLETTER TITLE**

Last date for submission 28.03.2024  
On or before 05.00 p.m.



Link : <https://forms.gle/oNixwXHFYPfphVKZ7>

Who can attend : SRM TRP Engineering College students

Venue : Online mode

**Convenors**  
Dr.B.GANESH BABU  
Principal  
Dr.C. RAMESH KANNAN  
Vice Principal  
SRM TRP Engineering College

**Co- Convenors**  
Mr.D.MANIKANDAN  
Mr.N.SENTHILKUMAR  
Assistant Professor  
SRM TRP Engineering College

**Coordinators**  
Dr.V.LAKSHMANAN  
Mr.M.GANESH KARTHIKEYAN  
Assistant Professor  
SRM TRP Engineering College

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We're thrilled to announce an opportunity for all budding writers, news enthusiasts, and communicators to showcase their talents and contribute to our newsletter. Whether you're an experienced writer or just starting out, we welcome your creativity and unique perspectives.

# KNOWLEDGE ENHANCEMENT

## EVENTS



**SRM TRP ENGINEERING COLLEGE**  
SRM Institute of Science and Technology

**INSTITUTION'S INNOVATION COUNCIL**  
SRM Institute of Science and Technology

**ISHRAE** **INDIA**

**Department of Mechanical Engineering**  
Organizes a Webinar  
on

### RECENT TRENDS IN NDT TECHNIQUES

📅 27.03.2024 ⌚ 07.00 PM to 08.00 PM

Who can attend? Mechanical Engineering students of SRM TRP EC

**Take Away**

- Material Inspection
- Welding Inspection
- Oil & Gas industry Inspection
- Job opportunity in NDT field

**E AJITH**  
Alumni (Batch 2018-22)  
NDT- Multi Inspector  
Best choice Testing service -Dubai,  
AVENIR Group of Companies

Google Meet <https://meet.google.com/aww-cbe> **Venue : Online mode**

**Convener**  
**Dr. G. PAULRAJ**  
Professor & Head  
Department of Mechanical  
Engineering

**Co-Conveners**  
**Dr. V. Lakshmanan**  
Assistant Professor  
SRM TRP Engineering College  
**Mr. D. Manikandan**  
Assistant Professor  
SRM TRP Engineering College

**Coordinators**  
**Mr.N.Senthilkumar**  
Assistant Professor  
SRM TRP Engineering College  
**Mr.M.Ganesh Karthikeyan**  
Assistant Professor  
SRM TRP Engineering College

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Join us for an enlightening seminar on "Recent Trends in Non-Destructive Testing (NDT) Techniques," where we delve into the latest advancements revolutionizing the field. Non-destructive testing is pivotal in ensuring the integrity, safety, and reliability of critical infrastructure across various industries, and staying abreast of the latest trends is of paramount importance.

We are thrilled to announce the successful completion of the Mera Pehla Vote Desh Ke Liye campaign activities organized by the college's NSS Unit in accordance with AICTE guidelines.



# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIVEMENT



We are pleased to announce that our faculty

Mr. M. Ganesh Karthikeyan participated in a faculty development program on Energizing Sustainability Through Renewable Energy Systems 🌟🌱

We are calling all educators and researchers to join us for an enriching Faculty Development Programme (FDP) focused on "Energizing Sustainability Through Renewable Energy Systems." As the world shifts towards cleaner and more sustainable energy sources, it's crucial for faculty members to stay updated with the latest trends and technologies in renewable energy.



We are happy to share that our staff organized a faculty development program on convective heat transfer with NPTEL.

NPTEL (National Programme on Technology-Enhanced Learning) presents an exciting Faculty Development Programme (FDP), designed to empower educators with the knowledge and skills necessary to excel in today's dynamic educational landscape. As a premier initiative by the Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc), NPTEL is committed to fostering excellence in teaching and learning through innovative approaches and cutting-edge technologies.



# KNOWLEDGE ENHANCEMENT

STUDENT'S ACHIEVEMENT

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The "Commonwealth Year of Youth 2024 Projects" in the ASEAN Region selected our Computer Science and Engineering student for an internship worth Rs. 3.0 lakh, which took place in Singapore and Malaya from March 25th to April 5th, 2024.



SRM TRP  
ENGINEERING COLLEGE  
Affiliated to ANNA UNIVERSITY  
TIRUCHIRAPPALLI



MIYC



NBA  
NATIONAL BOARD  
OF ACCREDITATION

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Malaysian Indian Youth Council (MIYC)  
International Youth Exchange Programme held at Malaysia

STUDENT ACHIEVEMENT

*Hearty Congratulations*



Mr. JERALD DAVID RAJ J  
III CSE



Scholarship - 3, 00,000

Our student selected in "Commonwealth Year of Youth 2024 Projects" in ASEAN Region and getting a Rs. 3.0 Lakh worth Internship which will take place in Singapore & Malaysia from 25th March - 5th April 2024

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"IF YOU CAN DREAM IT,  
YOU CAN DO IT!"

*Walt Disney*



## ORIENTATION AND FAMILIARIZATION WITH THE VIRTUAL LAB- "A LEARNER PERSPECTIVE"

TOM PRESTON WERNER

The department of Computer Science and Engineering organized a virtual lab on March 15, 2024. The Academic V-Lab serves as an educational virtual laboratory, enabling students to carry out experiments and simulations across diverse scientific fields. It offers a hands-on learning experience without the need for physical lab equipment, enabling students to explore concepts and theories in a virtual setting.



### Academic V-Lab

In Association with  
**VALUE VIRTUAL LABS-Amrita Virtual Labs**  
organizes  
**National Level Hands-on Workshop**

## ORIENTATION AND FAMILIARIZATION WITH THE VIRTUAL LAB - "A LEARNER PERSPECTIVE"

15.03.2024 10.00 AM - 04.00 PM

### Who can attend?

Faculty members of SRM Trichy Campus, Faculty members from Engineering,  
Arts and Science of other Pioneer Institutions

Venue : CC2 Lab | Mode : Hybrid  
Registration Link : <https://tinyurl.com/Academic-V-lab>  
Last date for registration : 10.03.2024

Registration Fees : Online Participants : Rs.100 | Offline Participants : Rs.200



### Mr.Saneesh PF

Project Manager & Technical Lead  
Physical Sciences, Virtual Lab  
Amrita Vishwa Vidyapeetham

#### Payment Details :

Account holder Name -  
The Chief Superintendent  
TRP Engineering College  
Account Number : 153109000211308  
Bank : City Union Bank  
IFSC Code : CIUB0000475  
Branch : Irungalur



#### Convener

**Dr.B. Ganesh Babu** Principal  
**Dr.C. Ramesh Kannan**  
Vice - Principal

#### Co - Convenors

**Ms. K.Aiswarya**, AP / ECE  
**Dr.B. Ramasubramanian** HOD/ECE  
Nodal Virtual Lab co-ordinators

#### Coordinators

**Mrs.S.Jalini**, AP/ AI&DS  
**Mrs.B.Dheebikaa**  
AP/CIVIL

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[trichysrmtrp](https://www.instagram.com/trichysrmtrp)

[trp.srmtrichy.edu.in](https://www.trp.srmtrichy.edu.in)

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# KNOWLEDGE ENHANCEMENT

EVENT



The poster features logos for SRM TRP Engineering College, IEEE, and the Institutions Innovation Council. It is organized by the Women Empowerment Cell and the Department of Computer Science and Engineering. The event is scheduled for 22.03.2024 from 10.00 AM to 12.30 PM. The speakers are Lieutenant N. Periyasamy and G.K. Chitra Devi (Chitra Kumaravel). The poster also lists the convenor, Dr. S. Sabeetha Saraswathi, and co-convenors, Mrs. S. Devapriya and Mrs. T. Suganya. A Google Meet link is provided: <https://meet.google.com/etb-waht-tzm>.

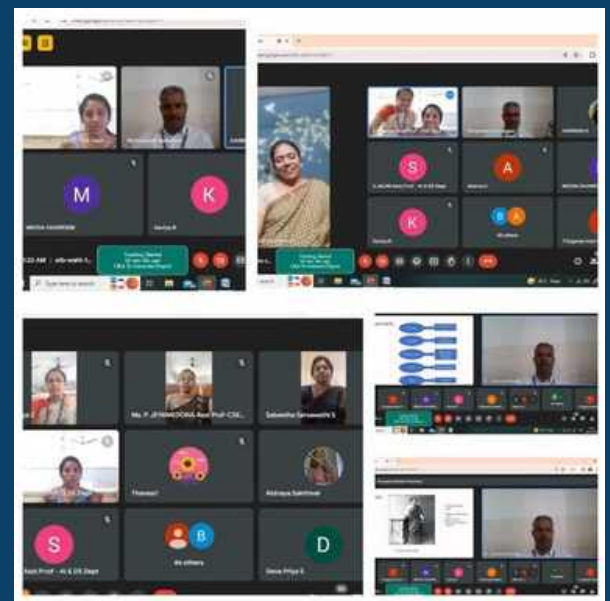
## WEBINAR

“EMPOWERING  
WOMEN: BREAKING  
BARRIERS AND  
SHAPING THE  
FUTURE”

The department of Computer Science and Engineering organizes a webinar, “EMPOWERING WOMEN: BREAKING BARRIERS AND SHAPING THE FUTURE,” on March 22, 2024.

## EMPOWERING WOMEN

Empowering women involves creating an environment where they enjoy equal opportunities, rights, and access to resources. This includes promoting education, economic independence, healthcare, and participation in decision-making processes. By empowering women, societies can benefit from their diverse perspectives, talents, and contributions, leading to greater social and economic development.

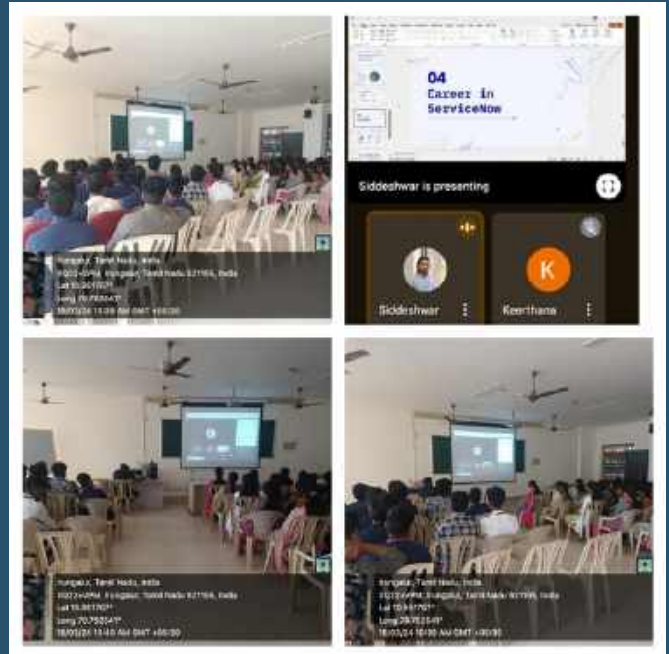


# KNOWLEDGE ENHANCEMENT

## WEBINAR



On March 18, 2024, the Department of Computer Science and Engineering (CSE) organized a webinar (alumni talk) focusing on “SERVICE NOW.” The webinar aimed to gain knowledge about streamlined workflows and versatile automation platforms. Mr. S. Siddeshwar, our proud alumni (2016–2020) batch, working as an infrastructure specialist at IBM in Bangalore, graced the event as a resource person.



The webinar commenced with a warm welcome address by M. Swetha, a third-year student of computer science and engineering. Mr. S. Siddeshwar provided an elucidation on automating complex workflows in service now, which was particularly enlightening. The webinar concluded with a vote of thanks proposed by Keerthana.J., a third-year student in the CSE department.

# KNOWLEDGE ENHANCEMENT

## EVENTS

Earth Day is an annual event on April 22 to demonstrate support for environmental protection. Originally held on April 22, 1970, Earth Day now encompasses a wide range of global events, involving 1 billion people across more than 193 countries. The official theme for 2024 is "Planet vs. Plastics."



**SRM TRP ENGINEERING COLLEGE**  
Department of Civil Engineering

**happy Earth Day**  
22 April 2024

**PLANET vs PLASTIC**

For Earth Day 2024 on 22 April, the theme is **Planet vs. Plastics**. It calls to advocate for widespread awareness on the health risk of plastics, rapidly phase out all single use plastics, urgently push for a strong UN Treaty on Plastic Pollution and demand an end to fast fashion.

**As a responsible citizen.**  
I pledge to save and restore our beloved mother Earth, in the interest of humanity and help protect human lives.  
I shall try to stop anyone who acts against the Environment and thus damaging the tranquillity and balance of the mother earth in all possible manner.  
I dedicate myself to ensure that the future generation receives a habitable planet.

Scan QR Code & Take Pledge



Earth Day is a day to respect and celebrate our remarkable planet. It is a day to remember the importance of environmental conservation (looking after the planet) and sustainability (meeting our needs without compromising on the ability of future generations to meet their own needs). It encourages us to come together to take action for a healthier planet and a brighter future.

This year, we are asking all the students to make a single positive change on Earth Day. We have given them seed paper to write their pledge on. Seed paper can be planted, and it will grow into wildflowers!



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

This certificate is awarded to  
**SUNILKUMAR P**  
for successfully completing the course  
**Introduction to Civil Engineering Profession**  
with a consolidated score of **54 %**

Online Assignments	23.75/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1945**

*Devendra Jalihal*  
**Prof. Devendra Jalihal**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**  
(8 week course)

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

Indian Institute of Technology Madras

**swayam**  
FREE ONLINE EDUCATION  
The Best Way, Speed Matters

Roll No: NPTEL24CE45S358401495 To verify the certificate No. of credits recommended: 2 or 3

The final-year student, SUNILKUMAR, successfully completed an online SWAYAM NPTEL course in “Introduction to Civil Engineering Profession” and obtained 54%, organized by IIT Madras.



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



**DEPARTMENT OF CIVIL ENGINEERING**

**STUDENT ACHIEVEMENTS**

*Hearty Congratulations*  
to our IV Year Civil placed Student



**LAVANYA DEVI A**  
IV YEAR  
SALARY PACKAGE : 4.32 LPA



[f srctrichycampus](#) [trichysrmtrp](#) [trp.srmtrichy.edu.in](http://trp.srmtrichy.edu.in) **FOR ENQUIRIES 1800 202 2535**

We are delighted to announce that a final-year student in our department received a Dream offer in M/s. SkillForge.

**Package : 4.32 LPA**

**Hearty Congratulation to our students on securing Dream offer.**

### Expectation in skills from the Corporate

ER. KANISHKA C


The Department of EEE organized an Alumni Talk seminar on the theme "Expectation in Skills from the Corporate." During the web meeting, Er. Kanishka C., an alumni from our college, graced the occasion and shared her experiences with our students.



**Department of Electrical and Electronics Engineering**  
Organizes a  
**Alumni Talk**  
on  
**A Seminar on**  
**“ EXPECTATION IN SKILLS  
FROM CORPORATE”**

**13.04.2024** **06:30 PM - 07:30 PM**

Who can attend? EEE department Students & Faculty  
Mode : Online



**Er. KANISHKA C**  
Alumni Batch (2019-2023)  
Graduate Engineering Trainee in  
Production Management  
KONE Elevators,  
Sipcotindustries,pillaipakkam,Chennai.

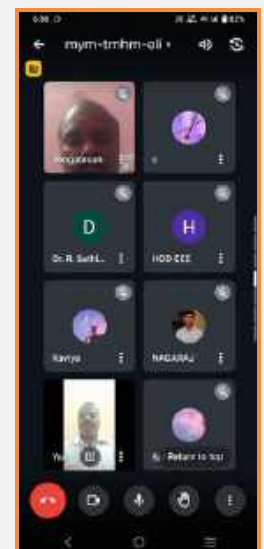
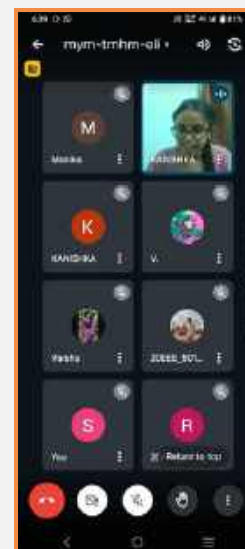
Google Meet <https://meet.google.com/mym-tmhm-eii>

<b>Convener</b> <b>Dr.M.P.Flower Queen</b> HoD/EEE SRM TRPEC	<b>Co-Convenors</b> <b>Mr.J.Subramaniam, AP/EEE</b> <b>Mr.V.Vengatesan, AP/EEE</b> SRM TRP Engineering College	<b>Coordinators</b> <b>Dr.R.Sathishkumar,</b> <b>Mr.G.RamPrakash,</b> <b>Mr.P.Manigandan</b> Department of EEE, SRM TRP Engineering College
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f smtrichycampus   trichysmrtp   trp.srmtrichy.edu.in   **FOR ENQUIRIES 1800 202 2535**

“Experience  
is the  
teacher of  
all things”

JULIUS CAESAR



# KNOWLEDGE ENHANCEMENT

MoU



The MOU with Elysium Technologies in Madurai is being renewed.

We are delighted to inform you that the SRM TRPEC team has renewed its partnership with Elysium Technologies P. Ltd., a premier software corporation that has been in operation for over two decades.

In response to our request, FN Vice President of Operations, Mr. Sankar, visited our TRP campus today. In our boardroom, the Vice President, Principal, and Dr. Malmurugan, the Director, engaged in a productive dialogue for over forty-five minutes regarding emerging technologies in the software domain, artificial intelligence, SAS, knowledge transformation for faculty and students, guest lectures, exposure visits, internships, and placements. Since 2017, we have maintained a close relationship with the software corporation for over 25 years, and on numerous occasions, we have accompanied deserving students there.

Ms. Vatio Energy Systems, MoU Renewal We are pleased to share that we, the SRM TRPEC family, have renewed and strengthened our collaboration with Vatio Energy Systems, Chennai.

Vatio has been recruiting our TRP students since 2015.

MD: Mr. Raja Ganesh sir is much associated with our SRM family, as he met our Honourable Chairman sir on September 27, 2017 at the SRM RMP Campus and had a memorable discussion about the renewable energy sector.

VATIO Energy is a one-year-old sustainable energy company that provides green energy solutions primarily through solar photovoltaics and EV infrastructure to achieve a carbon-neutral environment.

VATIO's vision is to fight against climate change through their best sustainable practices and solutions.

They are also involved in providing skill development programs, doing collaborative research, providing energy consulting, audits, and energy management solutions, et cetera.

So, Vatio's COE will be established on our TSRM campus for the betterment of our students, their knowledge enrichment, and the enhancement of their employability skills after getting consent from our Honourable ApePerso.



**SRM TRP**  
ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Dr.V.Senthilkumar, a faculty member in the Mechanical Engineering department, published a paper titled "Lantana Trifolia ACTIVATED CARBON FOR REMOVAL OF 2-PHENOXYETHANOIC ACID: NEURAL NETWORK OPTIMIZATION APPROACH" in a Scopus-indexed journal (Q2 Quartile Journal) with an impact factor of 1.12. The M. A. M. School of Engineering invited Dr. V. Senthilkumar to serve on the jury for the technical events at ACME 2K24, the Technical Symposium.



Dr. Umar, a faculty member in the Department of Mechanical Engineering, published a research article in the Journal of Materials Engineering and Performance, Springer Nature.

We are happy to share that Mr. P.G. Shaju, an II-year mechanical student, has secured Elite with silver and the top 5 percent in the recently held NPTEL exam for the course Inspection and Quality Control. Another student, Mr. Suhas, has successfully completed the course.



# KNOWLEDGE ENHANCEMENT

## ACHIEVEMENT OF STUDENT AND FACULTY



### DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Sowmya Uttam, from the department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, where she secured second place in the events of IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

K.S. Gopika, department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

K.Shafiya Sanofer, Department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 events on April 16, 2024.

Rowmya uttam, from the department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

On April 16, 2024, S. Lanika, Department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events of IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24.

R.Sara, Department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

J.Thanasri, Department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

S.Akiladeswari, Department of Artificial Intelligence and Data Science, attended a symposium at the NEHRU Institute of Engineering and Technology in Coimbatore, Tamil Nadu, and participated in the events IDEA PITCHING, TECH FEST 2K24, and CybernaUTZ 2K24 on April 16, 2024.

## JOURNAL PUBLICATIONS

Dr. A. Muthuraj, an assistant professor in the Computer Science and Engineering Department, has published a paper in the journal "Wireless Personal Communication," titled "Advanced Analysis of Bipolar Disorder Through Computer Vision Technology."

Dr.K.UMAMAHESWARI, a faculty member from the ECE department, attended an FDP on "Intellectual Property Rights (Theme: IP and the SDGs: Building our common future with innovation and creativity)" from April 26 to April 27 at SRM TRP Engineering College, Trichy.



# KNOWLEDGE ENHANCEMENT

STUDENTS' ACHIEVEMENT



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

STUDENT ACHIEVEMENTS

*Hearty Congratulations*

To our Department Students Secured  
Second Prize in the  
**National level Technical Symposium - Paper presentation**  
held on 01.04.2024 at K. Ramakrishnan college  
of Technology,Trichy.



**V SANDHIYA**  
2ND YEAR / AI&DS



**M K HARIKRISHNAN**  
2ND YEAR / AI&DS

The students of our department secured second prize in the “NATIONAL LEVEL TECHNICAL SYMPOSIUM-PAPER PRESENTATION” held on April 24, 2022, at K. Ramakrishna College of Technology, Trichy.

*"Opportunity does not happen; You need to create them."*



# KNOWLEDGE ENHANCEMENT

## STUDENT ACHIEVEMENT



Ragunath M., II year, Department of Civil Engineering, has attended a symposium in the College of the Society of Civil Engineers, Department of Civil Engineering at the College of Engineering Guindy, and participated in the event “Coastal Conundrum” on April 16, 2024.

Ragunath M., II year, Department of Civil Engineering, has participated in the AUTOCAD event conducted in CIVILISATION '24 by the Society of Civil Engineers Department of Civil Engineering at the College of Engineering Guindy on May 6, 2024.

Ragunath M., II year, Department of Civil Engineering has participated in the ELEVATED VISDUCT (METRO)-ANALYSIS + DESIGN event conducted in CIVILISATION '24 by the Society of Civil Engineers Department of Civil Engineering at the College of Engineering Guindy on May 6, 2024.



Rajesh M., II year, Department of Civil Engineering has participated in the BREAKER OF CODES event conducted in CIVILISATION '24 by the Society of Civil Engineers Department of Civil Engineering at the College of Engineering Guindy on May 6, 2024.

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIVEMENT



Dr. S. Pitchaikani has completed a 12-week NPTEL online certification course on “Air Pollution and Control” with a score of 81% from January 2024 to April 2024.

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

This certificate is awarded to  
**DR S PITCHAIKANI**  
for successfully completing the course  
**Air Pollution and Control**

with a consolidated score of **81** %

Online Assignments	25/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **9717**

Prof. Kaushik Ghosh,  
Professor (Chemistry)  
Coordinator (IIT)

Jan-Apr 2024  
(12 week course)

Prof. Ranjana Patharia,  
Professor (BSEE)  
Coordinator (NPTEL)

Indian Institute of Technology Poorekai

swayam

Roll No: NPTEL24CE03S1068500767 To verify the certificate  No. of credits recommended: 3 or 4

Mrs. B. Dheebikhaa has completed a 12-week NPTEL online certification course on “Industrial Wastewater Treatment” with a score of 60% from January 2024 to April 2024.

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

This certificate is awarded to  
**B DHEEBIKHAA**  
for successfully completing the course  
**Industrial Wastewater Treatment**

with a consolidated score of **60** %

Online Assignments	19.76/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **207**

Jan-Apr 2024  
(12 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CE53S668601349 To verify the certificate  No. of credits recommended: 3 or 4

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS



The FDP on "Generative AI Models and Applications of Machine Learning" by M.KRISHNA RANI and K.PRIYADHARSHINI took place at the Shri Vishnu Engineering College for Women (A), Bhimavaram, from May 21 to 25, 2024.



K.AISWARYA attended a FDP on "Research Methodology" at the Sri Balaji College of Engineering and Technology in Jaipur.



# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS



Dr.B.RAMASUBRAMANIAN	completed the NPTEL course with the title "Education for Sustainable Development" and received an Elite-Gold Certificate.
M.VIJAY	completed the NPTEL course on "Education for Sustainable Development" and earned an Elite-Gold Certificate.
C.ANANDHAN	completed the NPTEL course on "Education for Sustainable Development" and earned an Elite Silver Certificate.
Dr.K.UMAMAHESWARI	completed the NPTEL course with the title "Medical Image Analysis" and received the "ELITE" certification.
K.PRIYADHARSHINI	completed the NPTEL course on "BLOCK CHAIN AND ITS APPLICATIONS."
D.GAYTHRI	completed the NPTEL course on "BLOCK CHAIN AND ITS APPLICATIONS."

# KNOWLEDGE ENHANCEMENT

## STUDENT ACHIEVEMENTS



The following Students from II ECE completed the NPTEL courses on NPTEL-BLOCKCHAIN AND ITD APPLICATIONS and NPTEL-CLOUD COMPUTING.

- A. NAVIN
- K. NITHYA
- AMIRTHAA VARSHINI S N
- BALAJI E
- HIMALINI B
- JULIET ASHIHA J
- MANIKANDAN R
- ANAND A
- ALAGU RAJATHI M
- KARTHIKEYAN E
- LATHIKA K
- MADHURA

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

This certificate is awarded to  
**BALAJI E**  
for successfully completing the course  
**Blockchain and its Applications**  
with a consolidated score of **54 %**

Online Assignments	23.81/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3659**

Jan-Apr 2024  
(12 week course)

Indian Institute of Technology Kharagpur

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

swamyam

Roll No: NPTEL24CE15810E3500701 To verify the certificate No. of credits recommended: 3 or 4

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

This certificate is awarded to  
**K NITHYA**  
for successfully completing the course  
**Cloud Computing**  
with a consolidated score of **56 %**

Online Assignments	24.35/25	Proctored Exam	31.64/75
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Total number of candidates certified in this course: **23872**

Jan-Apr 2024  
(12 week course)

Indian Institute of Technology Kharagpur

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

swamyam

Roll No: NPTEL24CS175368601713 To verify the certificate No. of credits recommended: 3 or 4

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

This certificate is awarded to  
**KARTHIKEYAN E**  
for successfully completing the course  
**Blockchain and its Applications**  
with a consolidated score of **60 %**

Online Assignments	23.19/25	Proctored Exam	37/75
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Total number of candidates certified in this course: **3669**

Jan-Apr 2024  
(12 week course)

Indian Institute of Technology Kharagpur

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

swamyam

No. of credits recommended: 3 or 4

# KNOWLEDGE ENHANCEMENT

## STUDENT ACHIEVEMENTS



Harvind Mukhal M, a student in II ECE, actively participates in the Global Society for Technical Education.



Vijay C. M. of II ECE successfully completed the course titled JAVASCRIPT:FUNCTIONS AND ARRAYS IN JAVASCRIPT.



# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS



Dr.R. Sowmya, AP, EEE, successfully completed the NPTEL course on renewable energy engineering with DGs.

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

This certificate is awarded to  
**SOWMYA R**  
for successfully completing the course  
**Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems**  
with a consolidated score of **51 %**

Online Assignments	21.25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 493

Jan-Apr 2024  
(12 week course)

Prof. T. V. Bharat  
Head, Centre for Educational Technology  
NPTEL, Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

swayam

Ref No: NPTEL24CH265968500979 To verify the certificate No. of credits recommended: 3 or 4

**NPTEL-AICTE Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SOWMYA R**  
for successfully completing the course  
**Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems**  
with a consolidated score of **51 %**

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras

Indian Institute of Technology Guwahati

swayam

Ref No: NPTEL24CH265968500979 Duration of NPTEL course: 12 Weeks

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

This certificate is awarded to  
**SUBRAMANIYAN J**  
for successfully completing the course  
**Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems**  
with a consolidated score of **54 %**

Online Assignments	23.53/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 493

Jan-Apr 2024  
(12 week course)

Prof. T. V. Bharat  
Head, Centre for Educational Technology  
NPTEL, Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

swayam

Ref No: NPTEL24CH265968500979 To verify the certificate No. of credits recommended: 3 or 4

Mr. J. Subramaniyan, AP, EEE, successfully completed the NPTEL course on renewable energy engineering with DGs.

Mr. G. Ramprakash, AP, EEE, successfully completed the NPTEL course with an ELITE score in the topic of renewable energy engineering with DGs.

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

This certificate is awarded to  
**RAM PRAKASH G**  
for successfully completing the course  
**Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems**  
with a consolidated score of **60 %**

Online Assignments	23.69/25	Proctored Exam	36.28/75
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Total number of candidates certified in this course: 493

Jan-Apr 2024  
(12 week course)

Prof. T. V. Bharat  
Head, Centre for Educational Technology  
NPTEL, Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

swayam

Ref No: NPTEL24CH265968500979 To verify the certificate No. of credits recommended: 3 or 4

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIVEMENTS



Mr. V. Vengatesan, AP, EEE, successfully completed the NPTEL course with an ELITE score in the topic of renewable energy engineering with DGs.

Dr.D.F Jingle Jabha, ASP, EEE, successfully completed the NPTEL course on renewable energy engineering with DGs.



Dr. M.P. Flower Queen, Prof. and J. Joylin Mary/AP, EEE, completed the NPTEL Course successfully on the topic of non-conventional energy resources.



# KNOWLEDGE ENHANCEMENT

## FACULTY AND STUDENT ACHIEVEMENTS



**Elite**

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




This certificate is awarded to  
**DR S SABEETHA SARASWATHI**  
for successfully completing the course

**Foundation of Cloud IoT Edge ML**

with a consolidated score of **91 %**

Online Assignments	23.58/25	Proctored Exam	67.9/75
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Total number of candidates certified in this course: 3922

  
**Prof. D. V. Raghav Kumar**  
Chairman, Centre for Continuing Education  
IIT Madras

**Feb-Apr 2024**  
(8 week course)

  
**Prof. Satyaki Roy**  
NPTEL, Coordinator  
IT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CSS48600028 To verify the certificate  No. of credits recommended: 2 or 3

**Elite**

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




This certificate is awarded to  
**SAMPAVI RAM**  
for successfully completing the course

**Python for Data Science**

with a consolidated score of **82 %**

Online Assignments	25/25	Proctored Exam	57.4/75
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Total number of candidates certified in this course: 1953

  
**Prof. Ravindra Jadhav**  
Chairman,  
Centre for Distance and Digital Education, IITM

**Jan-Feb 2024**  
(4 week course)

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



Indian Institute of Technology Madras



Roll No: NPTEL24CSS486043431 To verify the certificate  No. of credits recommended: 1 or 2

**Elite**

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




This certificate is awarded to  
**SUBASRI M**  
for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **81 %**

Online Assignments	24.16/25	Proctored Exam	57/75
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Total number of candidates certified in this course: 32882

  
**Prof. Mahantani Rameji**  
Coordinator, NPTEL  
IT Madras

**Jan-Apr 2024**  
(12 week course)



Indian Institute of Technology Madras



Roll No: NPTEL24CSS4860000098 To verify the certificate  No. of credits recommended: 3 or 4

**Elite**

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




This certificate is awarded to  
**JAWAHAR SACHIN A.**  
for successfully completing the course

**Python for Data Science**

with a consolidated score of **56 %**

Online Assignments	25/25	Proctored Exam	31.33/75
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Total number of candidates certified in this course: 1953

  
**Prof. Ravindra Jadhav**  
Chairman,  
Centre for Distance and Digital Education, IITM

**Jan-Feb 2024**  
(4 week course)

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



Indian Institute of Technology Madras



Roll No: NPTEL24CSS4860407215 To verify the certificate  No. of credits recommended: 1 or 2

**Elite**

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




This certificate is awarded to  
**HARIPRABAD K**  
for successfully completing the course

**Python for Data Science**

with a consolidated score of **64 %**

Online Assignments	25/25	Proctored Exam	39.03/75
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Total number of candidates certified in this course: 1953

  
**Prof. Ravindra Jadhav**  
Chairman,  
Centre for Distance and Digital Education, IITM

**Jan-Feb 2024**  
(4 week course)

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



Indian Institute of Technology Madras



Roll No: NPTEL24CSS48605890373 To verify the certificate  No. of credits recommended: 1 or 2

**Elite**

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




This certificate is awarded to  
**HARISH M**  
for successfully completing the course

**Python for Data Science**

with a consolidated score of **48 %**

Online Assignments	15.93/25	Proctored Exam	32.39/75
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Total number of candidates certified in this course: 1953

  
**Prof. Ravindra Jadhav**  
Chairman,  
Centre for Distance and Digital Education, IITM

**Jan-Feb 2024**  
(4 week course)

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



Indian Institute of Technology Madras



Roll No: NPTEL24CSS4860451190 To verify the certificate  No. of credits recommended: 1 or 2

# KNOWLEDGE ENHANCEMENT

## SEMINAR



On May 23, 2024, our Department of Computer Science and Engineering (CSE) organized a seminar on The Healthcare Revolution: The Role of Engineering in Health Informatics. The seminar aimed to deal with computer engineering, which drives the development of software, systems, and algorithms for managing medical data, enhancing diagnostics, and improving patient care in healthcare informatics.



Mr. Dr. J. Yuvaraj, the Dean of Research at TSRM, MCH&RC, was present at the event as a resource. The seminar commenced with a warm welcome address by Rajadurai, a first-year student pursuing computer science and engineering.

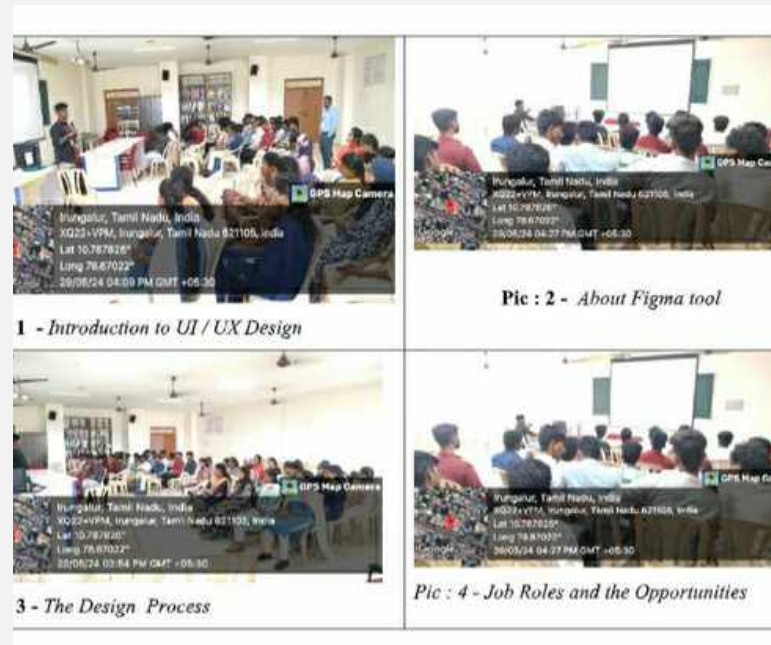
Mr. Dr. J. Yuvaraj started his speech by discussing the importance of computer engineers applying AI and ML to healthcare challenges, such as developing diagnostic tools, personalizing treatment plans, and optimizing hospital workflows. These technologies can enhance diagnostic accuracy and streamline administrative tasks. The webinar concluded with a heartfelt vote of thanks. The convenor, Dr. P. Sudhakaran, HOD/CSE, co-conveners, Mrs. S. Jallini, AP/CSE, Mrs. R. Sampavi, AP/CSE, and faculty members successfully completed the seminar.

# KNOWLEDGE ENHANCEMENT

## SEMINAR



On May 29th, 2024, our Department of Computer Science and Engineering (CSE) and Coding Club jointly organized a student seminar presentation on "UI/UUX Basics." The seminar aimed to impart fundamental knowledge in user interface (UI) and user experience (UX) design, as well as educate participants on advanced UI/UX design principles.



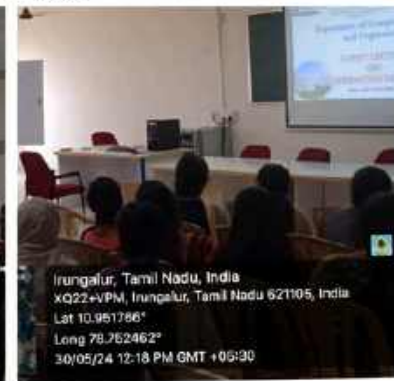
Resource Person: Mr. P. Allen Anderson, Final, CSE/Freelance Brand Identity Designer, SRM TRP Engineering College, Tiruchirappalli. The seminar commenced with a warm welcome address by Ms. Sharmila B and Ms. Safa K, II-CSE-C students. Mr. Allen Anderson P. is giving a presentation on UI/UUX designers and their real-life expectations. The event fostered a sense of community among UI/UX designers about the latest tools and their importance in the ever-evolving field of design. The seminar concluded with a heartfelt vote of thanks. The seminar was successfully completed thanks to the efforts of the convenor, Dr. P. Sudhakaran, HOD/CSE, co-conveners, Mr. V. Vijey Nathan, AP/CSE, Mrs. R. Sampavi, AP/CSE, and faculty members.

# KNOWLEDGE ENHANCEMENT

## GUEST LECTURE



On May 30th, 2024, the Department of Computer Science and Engineering (CSE) organized a guest lecture titled "Disk Scheduling: Real-Time Examples and Applications." The guest lecture aimed to provide a comprehensive overview of disk scheduling algorithms and their importance in enhancing the efficiency of data access in computing systems. It highlighted the key algorithms used for disk scheduling and demonstrated their practical applications with real-world examples.



Dr. R. Krishnamoorthy, Principal of SRMTRP Engineering College, graced the event as a resource person. The seminar commenced with a warm welcome address by Abinaya, a second-year student pursuing computer science and engineering. Dr. R. Krishnamoorthy began his speech by discussing the importance of disk scheduling in operating systems. He provided an in-depth analysis of several disk scheduling algorithms, including First-Come, First-Served (FCFS), Shortest Seek Time First (SSTF), SCAN, C-SCAN, and LOOK. He illustrated the application of these algorithms in various real-world scenarios, such as data centers, multimedia servers, and database management systems. The seminar concluded with a heartfelt vote of thanks, emphasizing the critical role of disk scheduling in modern computing environments.

# KNOWLEDGE ENHANCEMENT

GUEST LECTURE



The CSE department, in association with the CCC Training Team, organized an intra-college codeathon contest for our I and II year students. The students actively participated in the contest. Around 300 students participated in the contest. Our department coordinators, Mrs. M. Anitha, Mr. V. Vijeyanathan, and Mrs. S. Sampavi, guided the students. The contest was a great success, thanks to the management, director, dean, principal, and vice principal for their constant enlightenment.

SRM TRP  
NBA  
INSTITUTIONS INSTITUTE COUNCIL  
IEEE  
CCC

Department of CSE, AI&DS  
in association with  
CSI, IEEE, CCC-Training Division, IIC, Coding Club

**INTRA COLLEGE CODEATHON  
CONTEST-2024**

30-05-2024 (Thursday)

Venue : CC2 LAB Coding Languages : C, Java, Python

Registration

Who can attend : Open to all students of SRM TRP Engineering College.

Convener  
Dr.P.SUDHAKARAN  
HOD/CSE

Co-conveners  
Mrs.M.ANITHA, AP/CSE  
Mr.V.VIJEYANATHAN, AP/CSE  
Mrs.P.SAMPAVI, AP/CSE

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# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS



Mr. D. Manikandan, AP, MECH, has successfully completed the NPTEL course on principles of management.

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

This certificate is awarded to  
**MANIKANDAN D**  
for successfully completing the course  
**Principles of Management**  
with a consolidated score of **53 %**

Online Assignments	23.13/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 4095

Jan-Apr 2024  
(12 week course)

Prof. Kaushik Ghosh, Professor (Chemistry), Coordinator CEC

Prof. Ranjana Pathania, Professor (BSSE), Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24MG4751064500093 To verify the certificate No. of credits recommended: 3 or 4

**NPTEL-AICTE Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**MANIKANDAN D**  
for successfully completing the course  
**Principles of Management**  
with a consolidated score of **53 %**

Prof. Andrew Thangaraj, NPTEL Coordinator, IIT Madras

Duration of NPTEL course : 12 Weeks

Roll No: NPTEL24MG4751064500093

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 19<sup>th</sup> Nov, 2023, similar to other refresher / orientative courses. F.No. AICTE / RFD / FDP through MOOCs / 2023

Mr. N. Senthilkumar, AP, MECH, has successfully completed the NPTEL course on principles of management.

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

This certificate is awarded to  
**NSENTHILKUMAR**  
for successfully completing the course  
**Principles of Management**  
with a consolidated score of **56 %**

Online Assignments	21.88/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: 4095

Jan-Apr 2024  
(12 week course)

Prof. Kaushik Ghosh, Professor (Chemistry), Coordinator CEC

Prof. Ranjana Pathania, Professor (BSSE), Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24MG47S968601661 To verify the certificate No. of credits recommended: 3 or 4

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENTS



A purple certificate from SRM TRP Engineering College, Trichy, Department of Mechanical Engineering. It congratulates faculty members for their achievement in the NPTEL course 'Teaching and Learning in Engineering (TALE)'. The course duration is 4 weeks. Two faculty members are highlighted: Dr. V. Senthilkumar, Associate Professor, and Mr. A. Nagadeeepan, Assistant Professor, both with Elite Certification. The certificate includes the college logo, NPTEL logo, and contact information for enquiries.

SRM TRP Engineering College, Trichy.  
Department of Mechanical Engineering  
Hearty Congratulations to the Faculty Member Dr. V. Senthilkumar / ASP and Mr. A. Nagadeeepan / AP on their achievement for Successfully Completing NPTEL course with Elite Certification  
Course - Teaching and Learning in Engineering (TALE) (4 Weeks).

SRM TRP Engineering College, Trichy.  
Department of Mechanical Engineering  
Hearty Congratulations to the II Year Mechanical Engineering student Mr. P. G. Shaju on his achievement for Successfully Completing NPTEL course with Elite & Silver Certification and also for being in the Top 5% of the course.

A purple certificate from SRM TRP Engineering College, Trichy, Department of Mechanical Engineering. It congratulates student P. G. Shaju for his achievement in the NPTEL course 'Inspection and Quality Control in Manufacturing'. The course duration is 4 weeks. P. G. Shaju is a II Year student with Elite with Silver Certification and Top 5% achievement. Mr. A. Nagadeeepan / AP / Mech is listed as the mentor for the course. The certificate includes the college logo, NPTEL logo, and contact information for enquiries.

A purple certificate from SRM TRP Engineering College, Trichy, Department of Mechanical Engineering. It congratulates student Y. Suhash for his achievement in the NPTEL course 'Inspection and Quality Control in Manufacturing'. The course duration is 4 weeks. Y. Suhash is a II Year student who has successfully completed the course. Mr. A. Nagadeeepan / AP / Mech is listed as the mentor for the course. The certificate includes the college logo, NPTEL logo, and contact information for enquiries.

SRM TRP Engineering College, Trichy.  
Department of Mechanical Engineering  
Hearty Congratulations to the 2nd Year Mechanical Engineering student Mr. Y. Suhash on his achievement for Successfully Completing the NPTEL course.  
Course - Inspection and Quality Control in Manufacturing (4 Weeks).



*Futuristic Trends in*  
**Artificial Intelligence**

*Volume 3, Book 12, 2024, IIP Series*



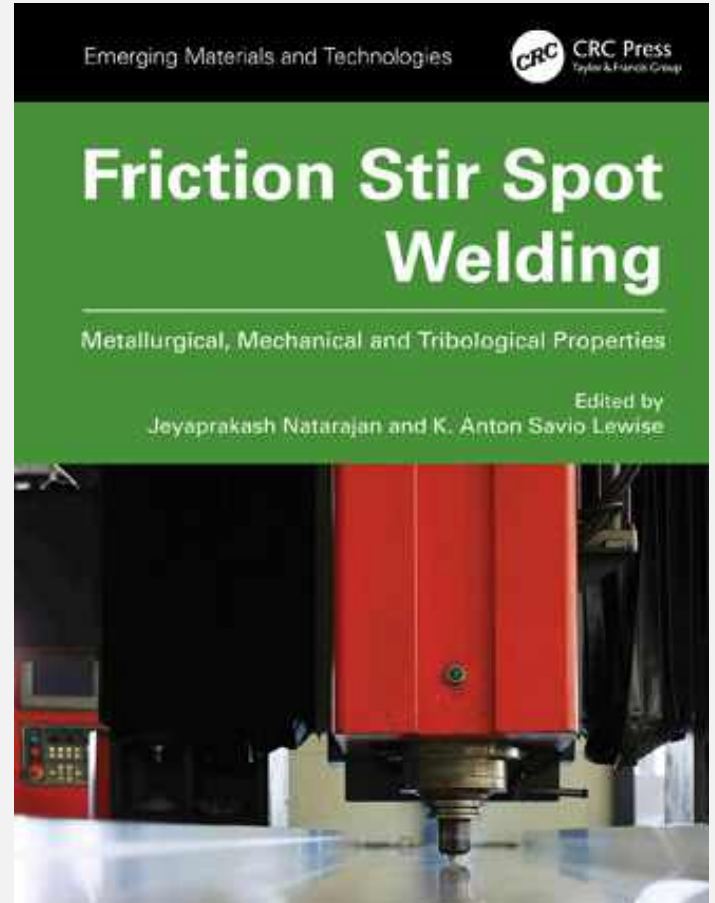
Our Mechanical Engineering department faculty, Dr.V.Senthilkumar and Mr.A.Nagadeepan published 3 book chapters in the Book series Futuristic Trends in Artificial Intelligence with ISBN No. 978-93-6252-541-3.

Chapter 1 - AI-BASED NDE FOR COMPOSITE MATERIALS

Chapter 2 - SMART FARMING WITH IOT: ENHANCING AGRICULTURAL PRODUCTIVITY

Chapter 3 - INTRODUCTION TO AI IN NON-DESTRUCTIVE EVALUATION

Our Mechanical Engineering department faculty, Dr.G.Pauraj,Dr.T.Arunellaiyyappan and Dr.V.Lakshmanan published book chapter.



# KNOWLEDGE ENHANCEMENT

## EVENTS

We, the Department of Mechanical Engineering, are happy to inform you that our department has been NBA-accredited for 3 years (up to 2027).



Seminar on Drone Technology..27.5.24..



Mr.Aashik sir..along with Principal sir.. & Mech Profs..



Mr.Aashik ..CEO.. Propeller Technologies..

Seminar on Drone technology for our Mech, ECE & EEE Students..



Felicitation by Principal sir..



Mr Aashik sir address



Welcome address..



Honouring the Guest..



Welcome address..



Felicitation by Principal sir..

The Mechanical Engineering Department and the Industry Connect Department jointly organized a seminar on "Drone Technology" on May 27, 2024, from 2 p.m. to 3 p.m.

Eminent technocrat and successful entrepreneur Mr. Aashik, CEO of Propeller Technologies, delivered a powerful, informative, and engaging session on "Drone Technology." He has received numerous awards for his contributions. Our aspiring technocrats from the Mechanical, ECE, and CSE departments attentively followed the discussions on niche areas such as drone technology, robotics, AI, and 3D modeling and engaged with Mr. Aashik during the interactive session.

Approximately 130 enthusiastic students were delighted with the seminar. Our beloved principal encouraged the students to take advantage of such opportunities to deepen their technical knowledge.

# KNOWLEDGE ENHANCEMENT

## STUDENT ACHIEVEMENT



We are very much happy to share that our Final year **Civil Engineering Students**

1. **Mohammad Ithris**
2. **Panneer Selvam**
3. **Manimaran**
4. **Samuel Robinson**

Won the first prize in the event "**\*Architecture Visualisation Hackathon\***" Organised by the TN Government through Nann Mudhalvan Scheme.

Winner Team : **\*SYRAX - SRM TRP ENGINEERING COLLEGE,Trichy\***

Winner Prize :

1. **VR Headset - 3 Nos**
2. **Digital Notepad - 3 Nos**
3. **Winner Certificate - 3 Nos**
4. **Mentor certificate - 1**



# KNOWLEDGE ENHANCEMENT

## Robots for Constructions



### Market Trends

**Can we use robots for building Constructions?**

Robots are used in factories to prefabricate building components such as walls, floors, and roofs. These components are then transported to the construction site for assembly. Robotic arms can lay bricks more quickly and accurately than human workers. They can work continuously without breaks and are not affected by weather conditions. Large-scale 3D printers can create entire walls or even entire houses layer by layer. For instance, SAM, the “semi-automated mason” developed by a US company called Construction Robotics, has been used on a number of construction projects in the US.

This method can be faster and more cost- than traditional construction methods. Robots can install roof tiles or panels with precision, reducing the risk of errors and speeding up the process. Autonomous robots can prepare construction sites by excavating, leveling, and preparing foundations. Robots equipped with sensors can inspect buildings for quality control purposes and perform maintenance tasks



# KNOWLEDGE ENHANCEMENT

## GEOPOLYMER CONCRETE



Geopolymer concrete has now emerged as a possible replacement to the binders for the production of concrete. The Geopolymer concrete has also brought about a reduction in CO<sub>2</sub> emission in OPC production by 80%. Geopolymer concrete is suitable for various applications in construction, including foundations, walls, floors, and precast elements. It has been used in both residential and commercial buildings, as well as in infrastructure projects like bridges and tunnels.

ELAKKIYA D , III year Civil

### Environmental Benefits:

- Geopolymer concrete
- can reduce carbon dioxide emissions compared to traditional Portland cement concrete because
- it uses industrial waste materials.
- **Durability:** It often exhibits higher compressive and flexural strengths, lower permeability, and greater resistance to chemical attack compared to Portland cement concrete.
- **Fire Resistance:** Geopolymer concrete tends to have better fire resistance properties than conventional concrete.
- **Reduced Shrinkage:** It generally experiences lower shrinkage during curing, reducing the likelihood of cracking.

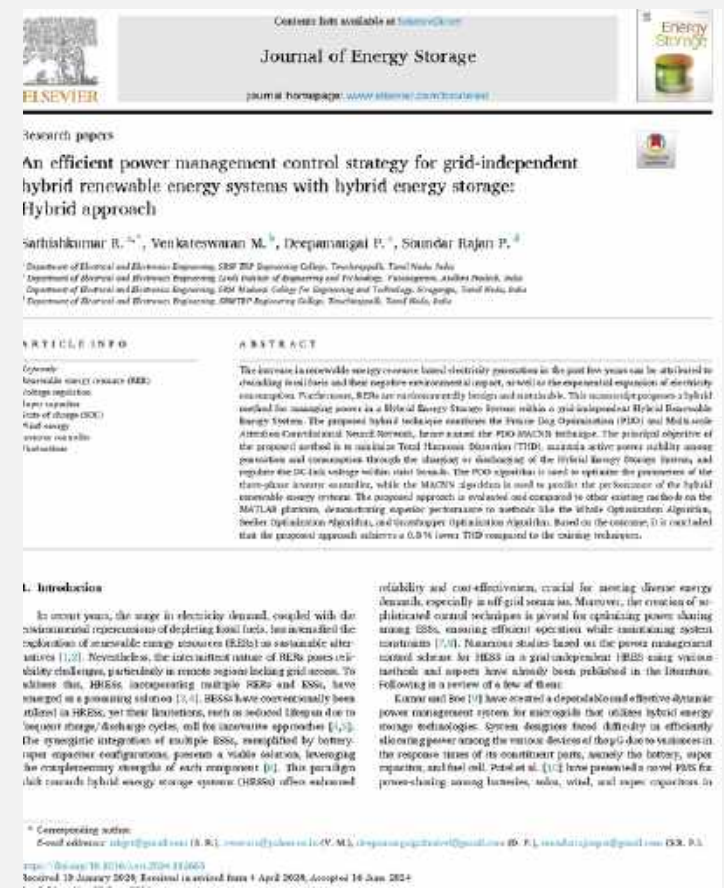
# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Dr. R. Sowmya, from the EEE department, participated in a workshop on Outcome-Based Professional Educational Systems and NBA Accreditation. Her commitment to enhancing educational standards through structured learning reflects her dedication to advancing academic excellence in her field.

Mr. J. Subramaniam, from the EEE department, has been awarded a certificate for his role as the overall coordinator for NPTEL. His commitment to coordinating educational initiatives highlights his dedication to fostering learning excellence within the department.



Dr.R.Sathishkumar and Dr.P.Sounderajan published an artical “ An efficient power management control strategy for grid-independent hybrid renewable energy systems with hybrid energy storage: Hybrid approach “ in the Journal of Energy Storage Published JUNE 2024

# KNOWLEDGE ENHANCEMENT

## FACULTY ACHIEVEMENT



Recent Achievements by

Dr. V. Senthilkumar

### 1. Published Research Papers:

**Title:** Antimicrobial Properties of MgO Nanoparticles Synthesized Using *Justicia adhatoda*

**Journal:** Materials Today: Proceedings

**Year:** 2024

**Indexing:** Scopus Indexed

**Impact Factor:** 1.46

**Title:** Neural Network Optimization for the Removal of 2-Phenoxyethanoic Acid Using *Lantana trifolia* Activated Carbon

**Journal:** Rasayan Journal of Chemistry

**Volume:** 17, Issue 2, Pages 363-371

**Period:** April - June 2024

**Indexing:** Scopus Indexed

**Impact Factor:** 1.12

### 2. Granted Patent:

**Title:** Frictionless Magnetic Drive Electric Motor

**Patent Type:** Design Patent

**Patent Number:** 415453-001

**Inventors:** Dr. V. Senthilkumar, Mr. A. Nagadeepan, Mr. S. Senthilkumar



# HOW TO MAKE SOIL FERTILE

## 5 AWESOME TIPS

By Olivia Wilson

### >>> COMPOSTING

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### MIXING ORGANIC MATERIALS

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### >>> SOIL NUTRIENTS

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# EDITORIAL TEAM



**Mrs. A. Balkees Bee**



**Ms. D. Lavanya**



**Mrs. M. Anitha**



**D.MANIKANDAN**



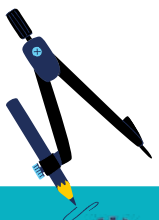
**Mr. S. Manimaran**



**Dr. A. NARAYANAN**



**Dr. R. Sowmya**





# SRM TRP ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University

## COUNCELLING CODE : 3795



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