



SRI RANGANATHAR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)

Accredited by NAAC with "A+" Grade & ISO 9001:2015 Certified Institution

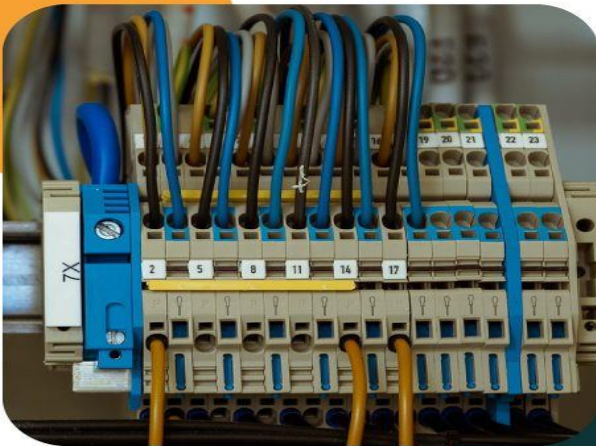
Athipalayam, Coimbatore - 641 110. Web site: sriet.ac.in Ph: 0422 2697792



SRIET - EEE NEWSLETTER

ACADEMIC YEAR 2022-23 (ODD SEM)

DECEMBER 2022



ELECTRICAL ENGINEERING

- Power Engineering
- Electronics Engineering
- Circuit Designing
- PCB Board Designing
- Power System Analysis
- Problem Solving
- Digital Logic Design
- Smart Grid Technology
- High-Power Electronics
- Power System Distribution



Editorial Board (Student):

Chief Editor: Mr M Jeevarathinasamy IV-EEE

Editor: Ms M Amerunisha III-EEE

Designer: Mr S Dshivahar II-EEE

Staff Editorial Board:

Board member 1: Dr J Maalmarugan HoD/EEE

Board member 2: Mr K Muthuraj AP/EEE



SRIET Profile:

Sri Ranganathar Institute of Engineering and Technology (SRIET) came into existence in 2011, out of an ardent desire of Dr. V. Narayanasamy to contribute manifold to the society that nurtured him. SRIET is an Innovative Educational Institution where the curiosity, creativity and intellectual joy of students all drive to academic excellence. Our Institution provides complex problem-solving skill and imbibes service to the public good. SRIET is defined by strong association and working in ways that excel in traditional boundaries.

SRIET's academic excellence is rooted in a student-centered model of learning. The Curriculum is an accurate approach to education that pushes the students to be creative thinkers, intellectual risk-takers and entrepreneurial problem-solvers. SRIET leaves students prepared to thrive as independent and innovative leaders and equipped with the tools they need to become the next generation of leaders in their respective fields.

Sri.V. Narayanasamy
Chairman,
Sri Ranganathar Group of Companies



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

ABOUT THE DEPARTMENT:

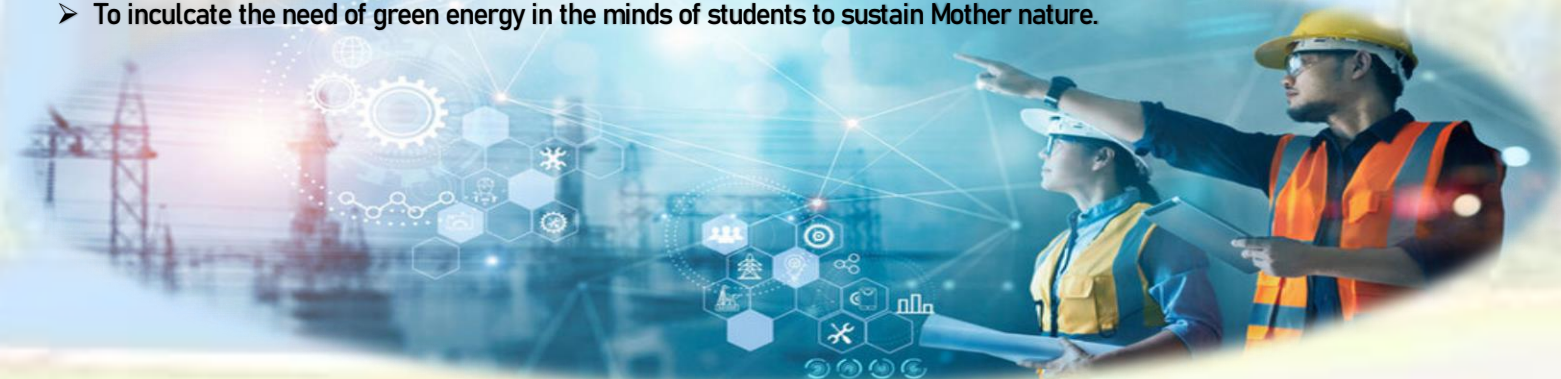
Electrical engineers synthesize science, mathematics, technology, and application-oriented designs into world-class consumer products, timely microprocessors, state-of-the-art computers, advanced electronic components, and much more. From cutting-edge technology revolutions to real life applications, the innovations of electrical engineers continue to lead the future and elevate the standards in the marketplace. With a shortage of electrical engineering talent in the job market, the demand for graduates with an electrical engineering degree remains at an all-time high.

VISION:

To enable our students to have a higher degree of competence in enhancing efficiency in energizing the world and maximizing green energy.

MISSION:

- To facilitate students to adept latest technology in addressing the challenges in transmission and distribution of electricity.
- To engage and collaborate with education and experience towards building unified technology.
- To kindle the students to innovate in designing and developing new products and process that add value to customers.
- To inculcate the need of green energy in the minds of students to sustain Mother nature.





HOD'S DESK

I believe my role as an educator is to guide and nurture the next generation to establish skills to achieve health, respect, prosperity and fulfilment.

The ability to be innovative and creative is important to me. I enjoy being challenged and inspired by the people around me. I am an avid supporter of effective and innovative professional development that encourages teachers to be reflective and to continuously examine our practice to provide quality teaching and learning for each student. My role as head of the department is to keep up with latest trends and research and be an active partner in the college's professional development.



**Dr. J MAALMARUGAN M.E., Ph.D.,
Professor, HOD**

Email: maalmarugan@sriet.ac.in

Mobile: 84899 29865





PROGRAM OUTCOMES (PO)

PO1: Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2: Problem analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3: Design/development of solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4: Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5: Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6: The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7: Environment and sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8: Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9: Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10: Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11: Project management and finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12: Life-long learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

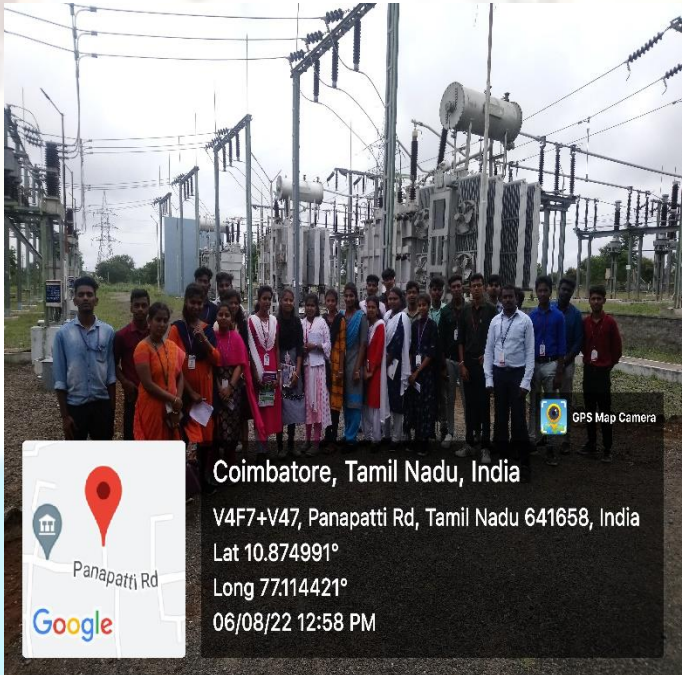
PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1	Capable to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
PSO2	Comprehend, analyses and design products in core domains namely power, control and energy to meet the ever-changing demands of industry and society.



Student's Achievements:
Extension Activities:

3rd and Final year EEE students Visited “Panapatti Sub-Station, Suzlon Wind plant, CV green energy” Coimbatore, on 06.08.2022.



Industrial Visit for 2nd year EEE students to “Radio Astronomy Centre”, Udthagamandalam, TN on 29.09.2022.





3rd year and Final year students to visited “JK Tyre and Industries LTD. Vikrant Plant 1” at KSR Road Mysore during 19.10.2022 to 21.10.2022.



Student’s Project Proposal:

- **AJAY K, DHINESHWARAN S, DIVYA R** from IV EEE submitted a **project proposal** on “**Home Automation and Security System using Telegram**” to TNSCST during 30.08.2022.
- **ATHIBAN S, HARIHARAN P, MANIVASAGAN P** from IV EEE submitted a **project proposal** on **IoT Based Smart Grid Using Renewable Energy System** to TNSCST during 30.08.2022.
- **BRINDHA M, JEEVARATHINASAMY M, DURAI M** from IV EEE submitted a **project proposal** on **IoT Based Drip Monitoring System in Hospitals** to TNSCST during 30.08.2022.
- **AKASH S, KARTHICK R, SANJAY M** from IV EEE submitted a **project proposal** on **IoT Based Smart Agriculture Monitoring System** to TNSCST during 30.08.2022.
- **KRISHNAMOORTHY A, RAHUL R, VAISHNAVI K R** from IV EEE submitted a **project proposal** on **Smart Trolley Billing System** to TNSCST during 30.08.2022.



- **ASWIN PRABHU K, KAMALE R, SEBASTIAN V** from IV EEE submitted a **project proposal** on **High Secured Universal Smart Card for Multiple Access** to TNSCST during 30.08.2022.
- **LAVANYA K, MATHANKUMAR M, SHANMUGAPRIYA S** from IV EEE submitted a **project proposal** on **Implementation of Automatic Parking and Parking Management using AI and Neural Network** to TNSCST during 30.08.2022.
- **MANIKANDAN S, THAYALAN M, KATHIRVELRAJA B** from IV EEE submitted a **project proposal** on **IoT Based Automatic Engine Locking for Automobiles with Alcohol Detection System** to TNSCST during 30.08.2022.
- **SWETHA C, VIGNESHWARAN M, PRAMOD KUMAR PANDA** from IV EEE submitted a **project proposal** on **Implementation of Smart Glove for Dumb and Deaf Peoples** to TNSCST during 30.08.2022.



**TAMILNADU STATE COUNCIL FOR
SCIENCE AND TECHNOLOGY**

Student Project Proposal Titled

IOT BASED DRIP MONITORING SYSTEM IN HOSPITALS

Submitted by

BRINDHA M Reg.No.713919105005
JEEVARATHNASAMY Reg.No.713919105011
DURAI M Reg.No.713919105302

Under the guidance of

Mr K MUTHURAJ M.E.,
Assistant Professor

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**



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Attapalayam, Coimbatore - 641 105. Web Site: SRIET.EDU.IN. TEL: 94423 34170



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
STUDENT PROJECT PROPOSAL

- Name of the Student (s)

S.No.	Name of the Student	E-Mail ID	Phone No.
1	Brindha M	mbrindhamb@rediffmail.com	9344180100
2	Jeevarathnasamy M	jeevarathnasamy@gmail.com	6359973594
3	Durai M	duraimuthusamy9110@gmail.com	9384760050
- Name of the Guide
Department / Designation
Institutional Address
Phone No. & Mobile No.
- Project Title
- Sector in which your Project proposal is to be Considered
- Project Details
- Has a similar project been carried out in your college / elsewhere? If so, furnish details of the previous project and highlight the improvements suggested in the present one.

CERTIFICATE

This is to certify that Mr./Miss **Brindha M, Jeevarathnasamy M, Durai M** is a bonafide final year student of U.G. Engineering courses of our college and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of May 2023.

Signature of the Guide: _____
Signature of the HOD: _____
Signature of the Principal: _____

N.B. 2 copies of the proposals are to be submitted through proper channel to the Member Secretary, TNSCST, DOTE Campus, Chennai - 600 025 on or before 07th September 2022, 5 pm.

Student's event participation details:

- **Siranjeevi S** from III EEE participated in the Online **Quiz series-38 & 39** on **“Energy Management and Auditing”** organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu.
- **Aswinprabhu K, Vaishnavi K R** from IV EEE participated in **ORU PAKKA KATHAI**, a short story writing competition in Tamil organized by **Rotary eClub of Coimbatore Changemakers and Arivukkeni** on 22.07.2022.
- **Siranjeevi S** from III EEE participated and scored 50% in the **Online Quiz series-42** on **“Energy Management and Auditing”** organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu on 25.07.2022.
- **Siranjeevi S** from III EEE participated in online **Basic Electrical and Electronics Engineering Quiz Series - 04** organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu on 29.07.2022.



- Akash S, Sanjay M from IV EEE and Aresh M, Mugunthan M, Balaji N from III EEE Donated blood voluntarily organized by “Swami Vivekananda Blood Centre” on 27.08.2022.
- Prajithakumari P from III EEE participated in the Online Quiz series-49, 50 on “Energy Management and Auditing” organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu.
- Prajithakumari P from III EEE participated in online “Basic Electrical and Electronics Engineering” Quiz Series – 16, 17 organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu.
- Rajarajan R from II EEE and Siranjeevi S from III EEE participated in the Global Event: Power of Storytelling in Facing Interviews organized by NDLI Club SRIET on 23.09.2022.
- Prajithakumari P, Siranjeevi S from III EEE participated in the Online Quiz series-51 on “Energy Management and Auditing” organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu on 26-09-2022.
- Rajarajan R from II EEE and Siranjeevi S from III EEE participated in the Orientation Program organized by NDLI Club SRIET on 27.09.2022.
- Amerunisha M from III EEE successfully completed NPTEL 8 weeks course on “Developing Soft Skills and Personality” with the score of 60% during July – September 2022.



- **Manirathnam S, Uma maheswari R, Yazhini S, Prajithakumari P, Amerunisha M, Radhakrishnan J, Selvabharathi R, Balaji N, Siddharth A, Abishek S, Selvapandi P, Sriram S, Mugunthan M, Vignesh CN (14 Students) from III EEE** successfully participated in 7 days of “**Business Leadership Academy**” training during 12,13,14,15,16,19 & 23 Sep 2022 organized by **Idhayam Group of Companies**.
- **Prajithakumari P from III EEE** participated and scored 100% in the **Online Quiz series-52** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 03.10.2022.
- **Siranjeevi S from III EEE** participated and scored 80% in the **Online Quiz series-52** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 03.10.2022.
- **Prajithakumari P from III EEE** participated in **online Basic Electrical and Electronics Engineering Quiz Series - 20** organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 07.10.2022.
- **Prajithakumari P from III EEE** participated and scored 100% in the **Online Quiz series-53** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 10.10.2022.
- **Prajithakumari P from III EEE** participated in **online Basic Electrical and Electronics Engineering Quiz Series – 21** with a score of 100% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 14.10.2022.
- **Siranjeevi S from III EEE** participated and scored 60% in the **Online Quiz series-54** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 17.10.2022.



- **Baluprathick P** from II EEE, **Sriram S** from III EEE and **Mathankumar M** from IV EEE participated in the **USS Mini Road Run 2022** organized by Universal School of Sports, **Tamilnadu Paralympic Volleyball Association** on **16.10.2022**
- **Sriram S** from III EEE participated in online **Basic Electrical and Electronics Engineering Quiz Series – 22** with a score of 80% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 22.10.2022.
- **Prajithakumari P** from III EEE participated in online **Basic Electrical and Electronics Engineering Quiz Series – 22** with a score of 80% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 23.10.2022.
- **Prajithakumari P** from III EEE participated and scored 100% in the Online **Quiz series-55** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 24.10.2022.
- **Prajithakumari P** from III EEE participated and scored 100% in the Online **Quiz series-56** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 31.10.2022,
- **Siranjeevi S** from III EEE participated and scored 80% in the Online **Quiz series-56** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 31.10.2022
- **Manirathnam** from III EEE successfully completed **NPTEL 12 weeks course on “Soft Skills”** with the score of 57% during July – Oct 2022.



- **Yazhini S** from III EEE participated in **online workshop** titled on “**Power Python**” during Nov 22.
- **Manirathnam** from III EEE participated in **online workshop** titled on “**How to Become Highly Paid Hacker**” during 10.11.2022.



- **Prajithakumari P** from **III EEE** participated and scored 100% in the Online **Quiz series-57** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 07.11.2022.
- **Yazhini S** from **III EEE** participated and scored 80% in the **Online Quiz series-57** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 07.11.2022.
- **Prajithakumari P, Siranjeevi S, Yazhini S** from **III EEE** participated and scored 100% in the Online **Quiz series-58** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 14.11.2022.
- **Siddharth A** from **III EEE** participated in online “**Basic Electrical and Electronics Engineering**” Quiz Series – 24 with the score of 60% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 19.11.2022.
- **Siddharth A, Prajithakumari P** from **III EEE** participated and scored 100% in the Online **Quiz series-59** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 21.11.2022.
- **Sriram S** from **III EEE** participated and scored 80% in the Online **Quiz series-59** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 21.11.2022.
- **Prajithakumari P** from **III EEE** participated in online “**Basic Electrical and Electronics Engineering**” Quiz Series - 25 organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 25.11.2022.
- **Siranjeevi S** from **III EEE** participated in online “**Basic Electrical and Electronics Engineering**” Quiz Series – 25 with the score of 80% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 25.11.2022.
- **Siddharth A** from **III EEE** participated in online “**Basic Electrical and Electronics Engineering**” Quiz Series – 25 with the score of 80% organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 25.11.2022.
- **Prajithakumari P, Siddharth A** from **III EEE** participated and scored 100% in the **Online Quiz series-60** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 28.11.2022.
- **Siranjeevi S** from **III EEE** participated and scored 60% in the Online **Quiz series-60** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 28.11.2022.



- **Prajithakumari P** from III EEE Participated and scored 100% in the **Online Quiz series-61** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 05.12.2022.
- **Mathankumar M** from IV EEE Participated in **Tamil Poetry writing** organized by **Vaagai Tamil Sangam**, Namakkal on 05.12.2022.
- **Mathankumar M** from IV EEE Participated in **online Tamil test series 14** organized by **Vaagai Tamil Sangam**, Namakkal on 11.12.2022.
- **Prajithakumari P** from III EEE Participated and scored 100% in the **Online Quiz series-62** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 12.12.2022.
- **Mathankumar M** from IV EEE Participated in **online Tamil test series 15** organized by **Vaagai Tamil Sangam**, Namakkal on 18.12.2022.
- **Prajithakumari P** from III EEE Participated and scored 100% in the **Online Quiz series-63** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 19.12.2022.
- **Mathankumar M** from IV EEE Participated in **online Tamil test series 16** organized by **Vaagai Tamil Sangam**, Namakkal on 25.12.2022.
- **Siranjeevi S, Prajithakumari P, Siddharth A** from III EEE Participated and scored 80% in the **Online Quiz series-64** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu on 26.12.2022.
- **Mathankumar M** from IV EEE Participated in **online Tamil Book reading** organized by **Vaagai Tamil Sangam**, Namakkal on 30.12.2022.



வாகை தமிழ்ச்சங்கம்

[தமிழக & இந்திய அரசு மற்றும் உலகத் தமிழ்ச் சங்கத்தில் பதிவு பெற்ற அமைப்பு]
அத்தனூர் வடக்கு, அத்தனூர், நாமக்கல், தமிழ்நாடு - 636 301

வானக பனுவல் மன்றம்
பங்கேற்புக் கானிடுதல்

தமிழ்ச்சிவு, மு.மதன்சுமார், மின் மற்றும் மின்னணு பெறியியல், ஸ்ரீ ரங்கநாதர் பெறியியல் மற்றும் தொழில்நுட்பக் கல்லூரி அவர்கள், வாகை தமிழ்ச்சங்கத்தின், வாகை பனுவல் மன்றம் மூலம் நிகழ்த்தப்பட்ட பன்னாட்டு அளவிலான இணையவழி புத்தக மதிப்பாய்வு நிகழ்வில் கொண்டமையைப் பாராட்டி இச்சான்றிதழ் வழங்கப்படுகிறது.

 நூல்கள்	ஒரு நூலை நாடகம் பார்க்கிறாள் - த. ஜெயகாந்தன் ஒட்டல் இல்லாத மகாபாரதக்கதைகள் - புலவர் த. கோவேந்தன்
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vaagaitamilsangam@gmail.com 30 திசம்பர் 2022 தலைவர், வாகை தமிழ்ச்சங்கம்





Program Organized:

- Mr. Alex George organized One day workshop on “Advancement in Electrical Machines” during 13.08.2022.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INSTITUTION'S INNOVATION COUNCIL
 &
EMEEER ASSOCIATION PRESENTS

One Day Workshop on
Advancement in Electrical Machines



Chief Patron:
 Dr. V. NARAYANASAMY
 Chairman, EEE Dept

Patron:
 Dr. K. P. ARULSHRI
 Head, EEE

Vice Patron:
 Dr. J. GANESAN
 Asst. Prof., EEE

Dr. J. MAALMARUGAN
 Associate Prof.

Co-Organizer:
 Mr. Alex George
 Associate Prof.

Date : 13.08.2022 Venue: Machines Lab, D Block, SRIET

- Mrs D Nivea organized online webinar on “Current Trends on E-Vehicle and Retrofit Technology” during 28.09.2022.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INSTITUTION'S INNOVATION COUNCIL
 &
EMEEER ASSOCIATION PRESENTS

Online Webinar on
Current trends on E-Vehicle and Retrofit Technology



Speaker
Mr. D. Durairaj
 Trainer, SK Powercon Fabricators, Puducherry

Chief Patron:
 Dr. V. NARAYANASAMY
 Chairman, EEE Dept

Patron:
 Dr. K. P. ARULSHRI
 Head, EEE

Vice Patron:
 Dr. J. GANESAN
 Asst. Prof., EEE

Dr. J. MAALMARUGAN
 Associate Prof.

Organizer:
 Mrs. D. Nivea
 Associate Prof.

Date : 28.09.2022 Time: 11.00 am to 12.30 pm



GPS Map Camera

Coimbatore, Tamil Nadu, India
 Main Building, Tamil Nadu 641022, India
 Lat 11.128963°
 Long 76.986203°
 28/09/22 12:46 PM GMT +05:30

- Dr J Maalmarugan and Mrs D Nivea co-ordinally organized NAAC sponsored two days national level seminar on “Role of NAAC with NEP as a Quality Tool for Higher Education” during 16.12.2022 & 17.12.2022.



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Organizing Committee

Chief Patron
Dr.V.Narayanamy
Chairman - SRI Groups

Convenor
Dr.J.Maalmarugan
Director IQAC

Coordinators

Dr.B.Kavitha
Additional Director IQAC

Mrs.D.Nivesa
Joint Secretary IQAC

Chief Guest
Dr.C.Muthamizhchelvan
Vice Chancellor - SRM Institute of Science & Technology

Resource Persons

Dr.B.S.Ponmudiraj
Advisor NAAC
Bengaluru

Dr.Anant Ram
Advisor Uttaranchal University
Dehradun

Dr.R.Kumaravelan
IQAC Coordinator
Vellalar Engineering College, Erode

Registration Details

No Registration fee.
Registration can be done by only google form.

Eligibility
Participants must be regular faculty from Engineering / Polytechnic / Arts and Science Colleges.

For Registration
<https://forms.gle/JbHN6xpmXKholbwL8>



CONTACT US

Mr.M.Sureshkumar
AP/ICSE
99524 62775

Mrs.D.Nivesa
AP/EEE
70101 26869

Role of NAAC with NEP as a Quality Tool for Higher Education

16th & 17th December, 2022

Thudiyalur to Kovilpalayam Road,
Athipalayam, Coimbatore - 641 310
Ph:0422 2697792, www.sriet.ac.in

SRI RANGANATHAR
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.
Accredited by NAAC with 'A+' Grade & ISO 9001:2015 Certified Institution

Organizing Committee

Chief Patron
Dr.V.Narayanamy
Chairman - SRI Groups

Convenor
Dr.J.Maalmarugan
Director IQAC

Coordinators

Dr.B.Kavitha
Additional Director IQAC

Mrs.D.Nivesa
Joint Secretary IQAC

Chief Guest
Dr.C.Muthamizhchelvan
Vice Chancellor - SRM Institute of Science & Technology

Resource Persons

Dr.B.S.Ponmudiraj
Advisor NAAC
Bengaluru

Dr.Anant Ram
Advisor Uttaranchal University
Dehradun

Dr.R.Kumaravelan
IQAC Coordinator
Vellalar Engineering College, Erode

Registration Details

No Registration fee.
Registration can be done by only google form.

Eligibility
Participants must be regular faculty from Engineering / Polytechnic / Arts and Science Colleges.

For Registration
<https://forms.gle/JbHN6xpmXKholbwL8>



CONTACT US

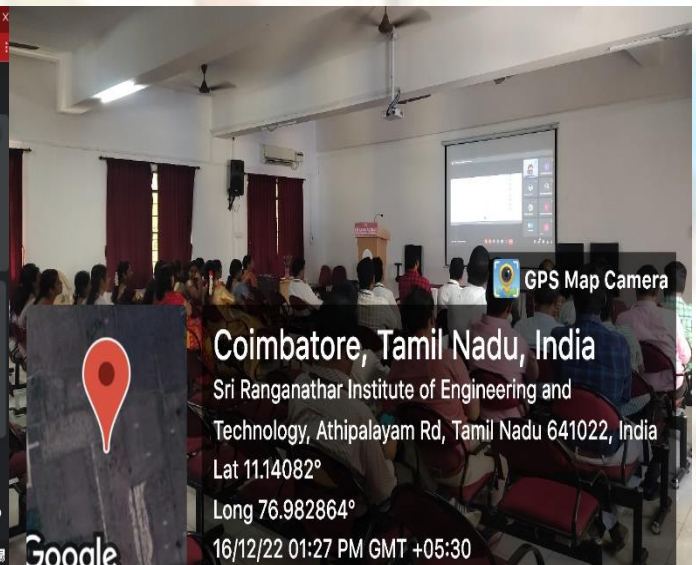
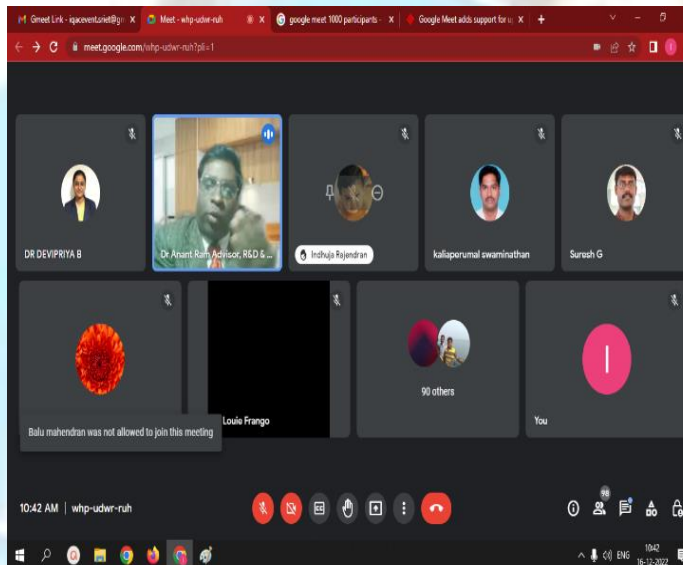
Mr.M.Sureshkumar
AP/ICSE
99524 62775

Mrs.D.Nivesa
AP/EEE
70101 26869

Role of NAAC with NEP as a Quality Tool for Higher Education

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Faculty Achievements:

Journal Publication Details:

Dr.J.Maalmarugan Prof/Head/EEE has published an international journal titled on “Synthesis, studies of 2-benzyl-amino-4-p-tolyl-6,7-di-hydro 5H-cyclo-penta-[b]pyridine-3 carbo-nitrile (BAPTDHCPCN) crystals for optical, photonic and mechano-electronic uses” during 31 July 2022.

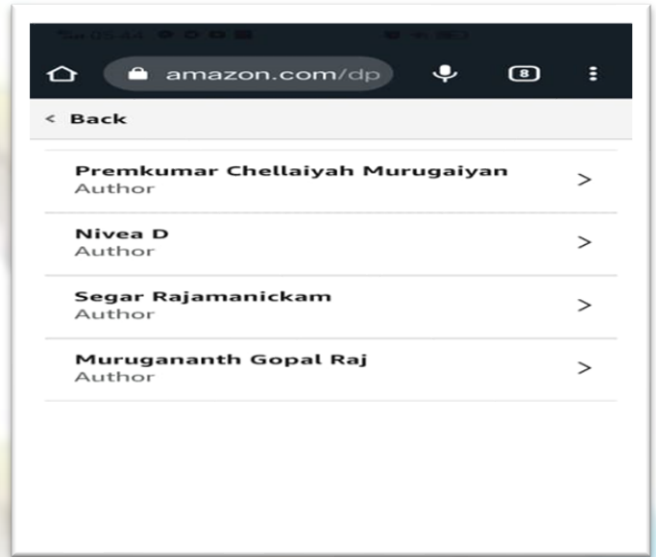
Journal Name: **Journal of Materials Science: Materials in Electronics**

Indexed by **Springer**



Book Publication Details:

Mrs D Nivea published a book in **Amazon Kindle edition** under the title “**Writing an effective research paper – means and Methods**”.

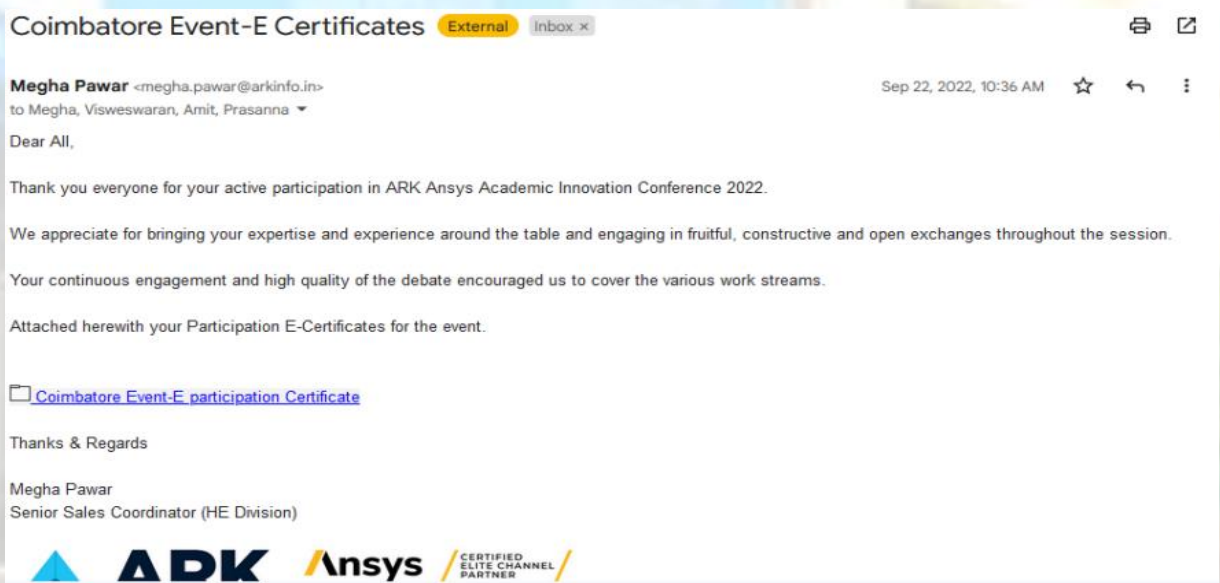


Research proposal Details:

Dr J Maalmarugan received the fund for conducting Seminar/Workshop in the title “**Role of NAAC with NEP as a Quality tool for Higher Education**” from NAAC and the fund amount is Rs.30,000/-.

Conference Publication Details:

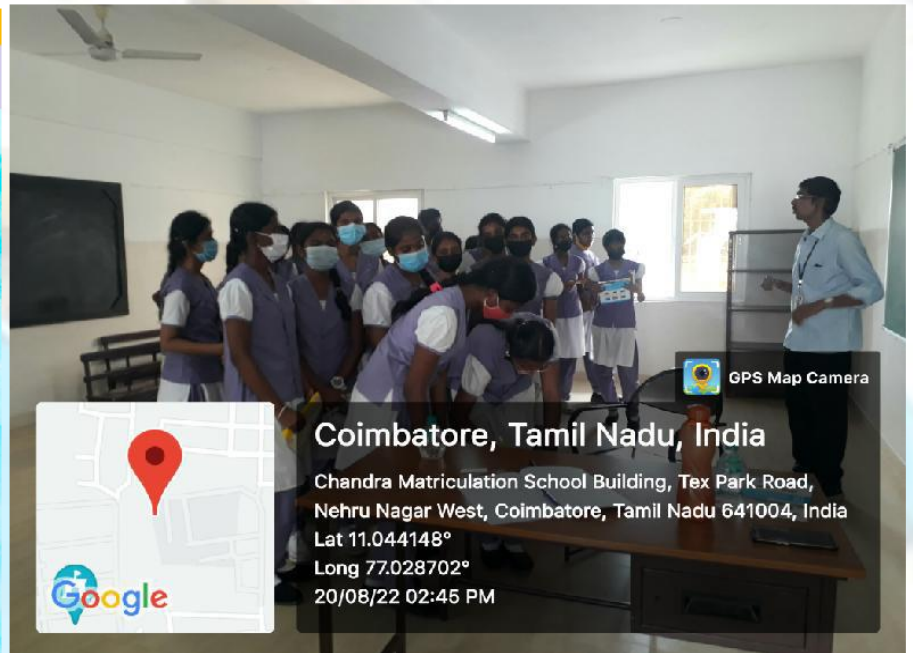
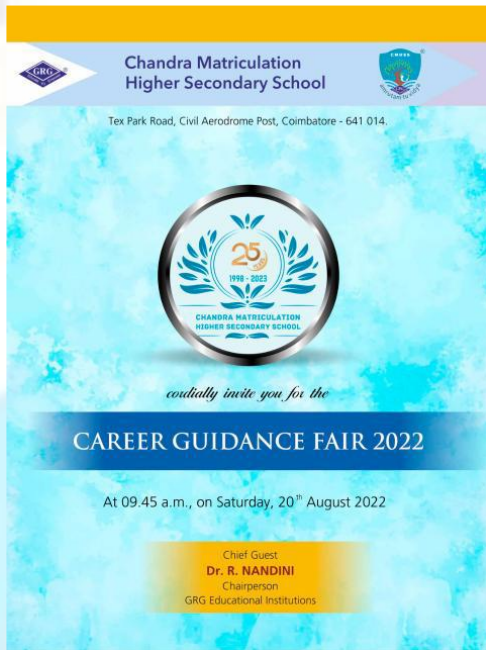
- **Dr J Maalmarugan and Mr D Palanivel** presented conference titled on “**ARK Ansys Academic Innovation Conference 2022**” in **Ansys Academic Innovation Conference 2022** at Taj Vivanta, Coimbatore on 16th Sept 2022.



Interaction with Outside World:

Mr.P.Meenakshi Sundaram delivered Guest Lecturer on “Important of Higher Studies” at Sri Ranganathar Institute of Polytechnic College during 25.08.2022.

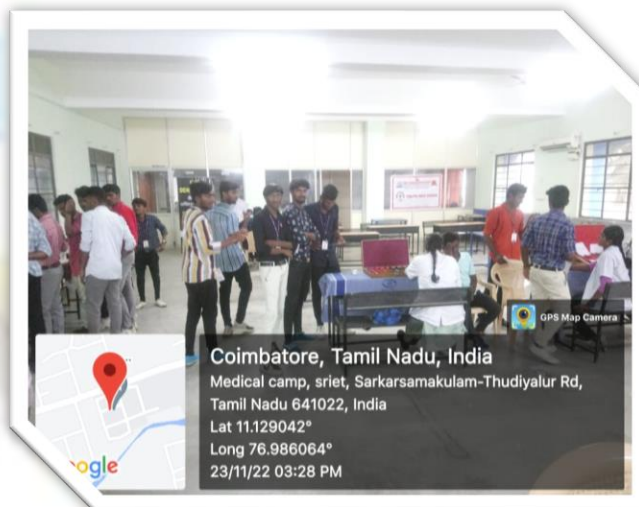
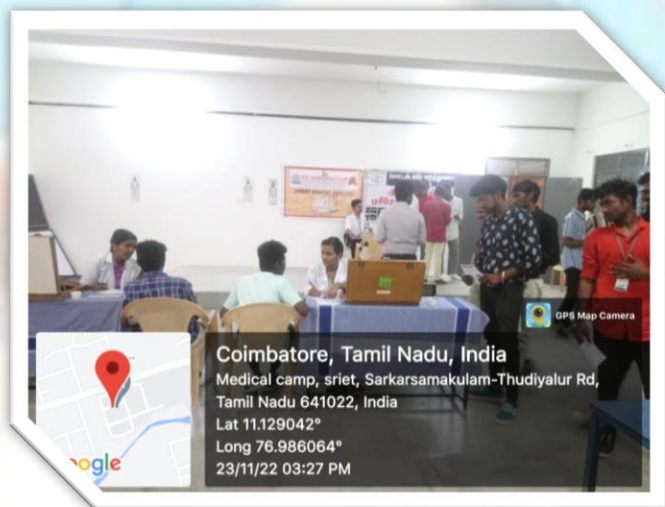
Mr. K.Rajesh Kumar in Career Guidance Fair 2022 at Chandra Matriculation Higher Secondary School, Coimbatore on 20.08.2022.



Mrs D Nivea, Mr K Muthuraj conducted UBA activity on account of Children’s Day Celebration – Motivational Program at Government Middle School, Kunnathur, Coimbatore on 14.11.2022.



Mrs K Bagyalakshmi organized Medical Camp for students and faculty members in associated with “Lotus Eye Hospital” on 23.11.2022.



Mr. Alex George represents as a Chief Guest in National energy Conservation Day on “Save Energy” organized by SRIPC on 14.12.2022.



FDP/STTP/Seminar/Workshops Attended Details:

- **Mr D Palanivel** participated in **six days FDP** on “Recent Trends on Healthcare Applications using Machine Learning” organized by **KINGS engineering College, Sriperumbudur** from 13.06.22 to 18.06.22.
- **Mr P Meenakshisundaram** participated in **two days National level seminar** on “Introduction to Cyber Security Issues and Unit Commitment Problems in Power Systems” organized by **Kongunadu College of Engineering and Technology** from 17.06.2022 to 18.06.2022.



- **Mr K Muthuraj** successfully completed a **National Faculty Development Programme** on “**MOODLE (an open-source learning management system)**” organized by Girijananda Chowdhury Institute of Management and Technology, Guwahati, Assam from 20.06.2022 to 24.06.2022.
- **Dr J Maalmarugan, Mrs D Nivea, Mr D Palanivel** participated in the **one-week international virtual FDP** on “**Restructuring Management Education toward Innovation: from Enhancement to Transformation**” organized by V.O Chidambaram College, Thoothukudi from 27.06.2022 to 03.07.2022.
- **Mrs D Nivea** participated in the **four-week FDP** on “**Innovation and Entrepreneurship**” organized by Sree Vidyanikethan Engineering College, Andhra Pradesh. from 02.07.2022 to 23.07.2022
- **Mrs K.Bagyalakshmi** participated in the **webinar** on “**Opportunities in VLSI and SILICON Technologies**” organized by Tamilnadu college of Engineering on 13.07.2022
- **Dr J Maalmarugan, Mr D Planivel**, successfully attended **virtual impact lecture series-I** titled on “**IMPACT OF INNOVATION IN START UPS**” organized by VET Institute of ARTS and Science, Erode on 18.07.2022.
- **Mr D Planivel** successfully attended **virtual impact lecture series-I** titled on “**Dimension of Social Entrepreneurship**” organized by VET Institute of ARTS and Science, Erode on 18.07.2022.
- **Mrs K.Bagyalakshmi** participated in **five days FDP** on “**Research opportunities in emerging areas of electronics and communication engineering**” organized by KPR Institute of Engineering and Technology, Coimbatore from 18.07.2022 to 22.07.2022.
- **Mrs K.Bagyalakshmi** participated in **three days online FDP** on “**SoC Design Methodologies using INTEL FPGA’S**” organized by St.Joseph’s Institute of Technology, Chennai on 20.07.2022 to 22.07.2022.
- **Mrs K.Bagyalakshmi** participated in the **Impact Lecture Session – II Role of Entrepreneurship Development in HEIs / Role of incubators on Innovation development in HEIs** organized by Institution’s Innovation Council of Akshaya College of Engineering and Technology on 22.07.2022
- **Mr K Muthuraj** participated in the **IIC regional meet at Sathyabama Institute of Science and Technology** organized by Sathyabama Institute of Science and Technology, Chennai on 21.07.2022.



- **Mr. Alex George, Mrs K.Bagyalakshmi, Mrs M Malathi, Mr P Meenakshisundaram, Mr K Muthuraj, Mr K Rajeshkumar, Mrs D Nivea** participated in **five days FDP** on **“Recent Trends in Electric Vehicles”** organized by PSN college of Engineering and Technology, Tirunelveli from 25.07.2022 to 29.07.2022.
- **Dr J Maalmarugan, Mr D Palanivel, Mrs D Nivea** successfully attended **virtual impact lecture webinar series-I** titled on **“Sustainable Strategies for Intrapreneurship-Challenges and Issues”** organized by VET Institute of Arts and Science, Erode on 29.07.2022.
- **Dr J Maalmarugan, Mr D Palanivel, Mrs D Nivea** successfully attended virtual impact lecture webinar series-I titled on **“Intellectual Property Rights: An Insight”** organized by VET Institute of Arts and Science, Erode on 29.07.2022.
- **Mrs M Malathi Mr D Palanivel Mrs D Nivea** participated in **five days FDP** on **“The Role of Artificial Intelligence in Renewable Energy Applications”** organized by KPR Institute of Engineering and Technology, Coimbatore from 01.08.2022 to 05.08.2022.
- **Mrs D Nivea** participated in **two days state level Seminar** on **“National Education Policy: Quality Enhancement and Reforms in Higher Education Institutions (HEIs)”** organized by Sri Ramakrishna Engineering College, Coimbatore from 04.08.2022 to 05.08.2022.
- **Mrs K.Bagyalakshmi** participated in **webinar** on **“Electrified Transportation the Past, Present and Future”** organized by SIMATS School of Engineering, Thandalam, Chennai on 05.08.2022.
- **Mr. Alex George Mrs D Nivea** participated in **FDP** on **“Building Resilience at Workplace”** organized by Amity School of Engineering and Technology, Mumbai during 9,10&12 Aug 2022.
- **Dr J Maalmarugan Mrs K.Bagyalakshmi Mrs M Malathi Mr D Palanivel Mrs D Nivea Mr K Muthuraj Mr K Rajeshkumar** completed **Viewsonic level 1 teacher certificate** 8 hours course organized by ViewSonic – Education on 17.08.2022.



- **Dr J Maalmarugan Mrs D Nivea** successfully completed **FDP** on “**Advancements of Cyber Security**” organized by Dr.B.C.Roy Engineering College, Durgapur from 22-08-2022 to 26-08-2022
- **Dr J Maalmarugan Mrs D Nivea** attended **one-day National Level Webinar** on “**In-situ Depth profiling for radon concentration contained by underground soil gas: Experimental set-up and Measurement protocols**” organized by Kalna College, P.O - KALNA, DIST. PURBA BARDHAMAN, WEST BENGAL on 30.08.2022.
- **Mrs K Bagyalakshmi** successful completed **one week Faculty Development Program (FDP)** on "**Amazon Web Services**" organized by PPG Institute of Technology from 22.08.202 to 27.08.2022
- **Mr. Alex George** participated and scored 100% in the Online **Quiz series-48,49,50&51** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu during September.
- **Mrs M Malathi, Mr P Meenakshi Sundaram, Mr K Muthuraj** participated in the **NDLI Awareness** organized by NDLI Club SRIET on 14.9.2022.
- **Mrs M Malathi and Mrs D Nivea** participated in **five-day National Level FDP** on “**CRYPTOCURRENCY, BLOCKCHAIN & CYBER SECURITY**” organized by KMM college of arts and science, Kerala-682021 from 12.9.22 to 16.9.22.
- **Mr K Muthuraj** attended **MathWorks webinar** on “**System Modeling and Simulation of an Electric Two-Wheeler: A Journey from Virtual Prototyping to Production**” organized by The Mathworks Ltd on 20.09.2022.
- **Mr K Muthuraj** attended **MathWorks webinar** on “**Addressing Challenges Involved in EV Battery Modelling, its Thermal Analysis and BMS Design**” organized by The Mathworks Ltd on 21.09.2022.
- **Mr K Muthuraj** attended **MathWorks webinar** on “**Designing Motor Control Algorithms for Optimum Performance and Efficient Operation of an Electric Two-Wheeler**” organized by The Mathworks Ltd on 22.09.2022.
- **Dr J Maalmarugan, Mrs M Malathi, Mr P Meenakshi Sundaram, Mrs D Nivea, Mr K Rajeshkumar, Mr D Palanivel** attended **NAAC Sponsored 2 days Seminar** on “**THE IMPORTANCE OF OUTCOME BASED EDUCATION IN A MODERN EDUCATIONAL SETUP**” organized by Hindusthan Institute of Technology, Coimbatore during 21st & 22nd September 2022.
- **Mr K Muthuraj, Mr K Rajeshkumar** participated in the **Global Event: Power of Storytelling in Facing Interviews** organized by NDLI Club SRIET on 23.09.2022.



- **Mr K Rajeshkumar** participated in the **Global Event: Afternoons with an Author "Aks"** organized by NDLI Club SRIET on 25.09.2022.
- **Mr. Alex George** participated in the **Faculty Development Programme (FDP)** on ‘**Renewable Energy Systems Laboratory**’ organized by SSN College of Engineering, Kalavakkam-603110 from 26.9.22 to 29.9.22.
- **Mrs M Malathi** successfully completed **NPTEL AICTE FDP program** and **8 weeks course** on “**Developing Soft Skills and Personality**” during July – September 2022.
- **Mr. Alex George** attended **One Day National Level Seminar** on “**Understanding of Key Indicators and Metrics for Preparation of DVV and Documents for Submission of SSR of Autonomous Institutes**” organized by AISSMS Institute of Information Technology during 01 October 2022.
- **Mr. Alex George** participated and scored 100% in the **Online Quiz series-52,53,55,56** on “**Energy Management and Auditing**” organized by K.Ramakrishnan College of Engineering, Trichy, Tamilnadu during the month of October.
- **Mr. Alex George** participated in **Two-Day Workshop** on ‘**Application of Machine Learning in Electric Drives**’ organized by Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam-603110 during 07th – 08th October, 2022.
- **Dr J Maalmarugan, Mr D Palanivel** successfully completed the **Learning AI/ML webinar** organized by JSS Mahavidyapeetha JSS Academy of Technical Education, Noida on 09.10.2022.
- **Mr K Muthuraj, Mr K Rajeshkumar** participated in the **NDLI club Event User Awareness Programme** organized by NDLI Club SRIET on 11.10.2022.
- **Mrs D Nivea** successfully completed **5 days FDP** on “**Machine Learning and Deep Learning**” organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai during 11.10.2022 to 15.10.2022.
- **Mrs D Nivea** successfully completed the course on “**Introduction to Artificial Intelligence**” organized by Infosys Springboard on 14.10.2022.
- **Mr. Alex George** successfully completed **NPTEL** online course on “**Introduction to Industry 4.0 and Industrial Internet of Things**” with the score of 72% during Nov 2022.
- **Mrs D Nivea** successfully completed **NPTEL** online course on “**Accreditation and Outcome Based Learning**” with the score of 83% during Nov 2022.
- **Mrs D Nivea** successfully completed **NPTEL** online course on “**Soft Skills**” with 76% score during Nov 2022.





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

This certificate is awarded to
D NIVEA
for successfully completing the course

Soft Skills
with a consolidated score of **76** %

Online Assignments	23.69/25	Proctored Exam	52.07/75
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Total number of candidates certified in this course: **8873**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee


Jul-Oct 2022
(12 week course)

Prof. Priiti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee

Roll No: NPTEL22HS76564485148 To validate 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
D NIVEA
for successfully completing the course

Accreditation and Outcome Based Learning
with a consolidated score of **83** %


Online Assignments	21.42/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **857**


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Aug-Oct 2022
(8 week course)

Prof. Priiti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Kharagpur

Roll No: NPTEL22GE27554484740 To validate the certificate  No. of credits recommended: 2 or 3

- **Mrs K Bagyalakshmi** participated in One Week National Level Online Faculty Development Program on “Recent Trends in Artificial Intelligence and Cyber Security” organized by Shri Vishnu Engineering College for Women from 01.11.2022 to 05.11.2022.
- **Mr. Alex George** participated and scored 100% in the Online **Quiz series-57, 58** on “Energy Management and Auditing” organized by K.Ramakrishnan College of Engineering, Trichy, Tamil nadu.
- **Mr P Meenakshi sundaram** successfully attended the session on “Low Voltage Switchgear (LVS)” course organized by Sri Eshwar College of Engineering, Coimbatore from 12.11.2022 to 22.11.2022.
- **Mr K Rajeshkumar** participated in **3 Days FDP** on “Idea Generation Methods” organized by Jansons Institute of Technology, Coimbatore from 23.11.2022 to 25.11.2022.
- **Dr J Maalmarugan, Mrs D Nivea, Mr D Palanivel** attended **One Week National Level Online Faculty Development Program** on “Recent Research Convergence in Artificial Intelligence and Internet of Things” organized by Bon Secours College for Women from 21.11.2022 to 25.11.2022.
- **Dr J Maalmarugan, Mrs D Nivea** attended “AICTE Distinguished Chair Professor Lecture Series” delivered by Prof. Manohar Lal Munjal organized by Sri Krishna College of Technology Coimbatore from 21.11.2022 to 25.11.2022.
- **Mrs M Malathi, Mr K Muthuraj** participated in **National Online Workshop** on “Research Ethics and Identifying Predatory and Cloned Journals in Publications” organized by Indian Institute of Management and Commerce, Khairtabad, Hyderabad-500004 on 25.11.2022.
- **Mr. Alex George** participated & completed successfully **AICTE Training and Learning (ATAL) Academy Blended/Hybrid FDP** on "AI Accelerator for Electric Vehicle and Battery Charging Infrastructure: Design Methodology and Research Issues" during 2022-11-21 to 2022-11-26 & 2022-11-28 to 2022-12-02 organized by PSG COLLEGE OF TECHNOLOGY.



- Mrs D Nivea participated & successfully completed five days FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE – New Delhi during 05.12.2022 to 09.12.2022.
- Dr K Bagyalakshmi participated & successfully completed five days FDP on “Applications of Graph Theory and Artificial Intelligence in Distributor Feeder Management” organized by QIS college of Engineering and Technology during 28.11.2022 to 02.12.2022.
- Mrs D Nivea participated in two days online FDP on “Intellectual Property Rights (IPR)” organized by Karpagam College of Engineering during 8.12.2022 to 09.12.2022.
- Dr J Maalmarugan, Dr K Bagyalakshmi, Mr. Alex George, Mr P Meenakshi Sundaram, Mr D Palanivel, Mrs M Malathi, Mrs D Nivea, Mr K Rajeshkumar, Mr K Muthuraj attended NAAC sponsored two days national level seminar on “Role of NAAC with NEP as a Quality Tool for Higher Education” organized by SRIET during 16.12.2022 and 17.12.2022.
- Mrs M Malathi, Mr K Muthuraj successfully attended virtually the International Seminar on “Quality Assurance through Accreditation” organized by Dr. APJ Abdul Kalam Academic Complex, NITTTR, Chennai on 24.12.2022.
- Dr J Maalmarugan, Dr K Bagyalakshmi, Mrs D Nivea, Mr D Palanivel, participated & successfully completed five days FDP on “Recent Advancement in Science and Engineering” organized by Regional college for Education Research and Technology, Jaipur during 26.12.2022 and 30.12.2022.
- Mrs D Nivea, Mr D Palanivel participated in online guest lecturer on “Artificial intelligence for Digital Health” organized by HKBK college of Engineering, Bengaluru on 26.12.2022.





Technical Message:

Electric vehicles in India:

The electric vehicle industry in India is a growing industry. The central and state governments have launched schemes and incentives to **promote electric mobility** in the country and some regulations and standards are also in place.

While the country stands to benefit in a large way by switching its transport from **IC engines to electric motor-powered**, there are challenges like lack of charging infrastructure, high initial cost and lack of electricity produced from renewable energy. Still, e-commerce companies, car manufacturers, app-based transportation network companies and mobility solution providers have entered the sector and are slowly building up electric car capacity and visibility.

Go Electric campaign:

The **government launched the Go Electric campaign in the start of 2021 to encourage the adoption of electric mobility vehicles and electric cooking appliances** and to ensure energy security in the country. Road Transport and Highways Minister Nitin Gadkari launched the campaign, saying Go Electric is a future for India that will promote low-cost, environmentally friendly and indigenous electrical products. He expressed concern about the huge cost of importing fossil fuels and said CO₂ emissions from transportation vehicles are a major challenge. The country must encourage the use of vehicles that run on alternative fuels such as electric batteries, CNG and biofuels.

The Government to suspend the registration fee for EVs will persuade states also to give tax breaks.

