SRI RANGANATHAR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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(An ISO 9001:2015 Certified Institution)

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

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TECHNICAL MAGAZINE

ZEAC

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2020 - 2021

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About SRIET

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 field

INSTITUTE VISION AND MISSION

VISION OF THE INSTITUTE

To be a unique Institution that enables students to become contributing Humans towards technology business and sustainability of natural world.

MISSION OF THE INSTITUTE

Our mission is to facilitate students with harmonious teaching and experiential learning by integrating industrial and societal needs with curriculum, providing requisite infrastructure facilities and imbibing ethical values.

QUALITY POLICY

SRIET is committed to provide quality learning experience to students by adopting continual improvements in management system, infrastructure and competence of faculties.

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ABOUT OUR DEPARTMENT

The Department of Computer Science and Engineering is committed to provide unique learning for innovation, impart knowledge in cutting edge technologies and aiming to be a key regional, national and international center for the development of computing and its application. The department offers B.E CSE Education with high technical quality through committed faculty, hardworking staff and students aimed towards job success and professional excellence.

The department is approved by AICTE and affiliated by Anna University, Chennai and has placed emphasis on the important aspects of computing in the areas such as Internet of Things (IoT), graphical database systems, cloud computing and many more. The department provides a learning platform for the students to achieve their computer and information technology career goals.

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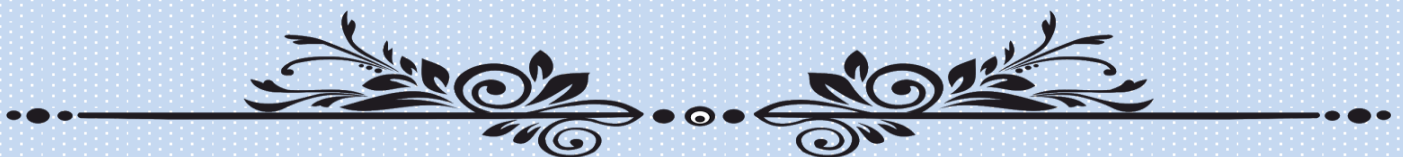Athipalayam, Coimbatore - 641 110. Web site: sriet.ac.in Ph: 0422 2697792

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DEPARTMENT VISION

Our vision is to empower students with cutting-edge software programming skills, adaptability to evolving technological landscapes and heightened competence, ensuring their readiness for dynamic industrial challenges and optimizing their employability prospects.

DEPARTMENT MISSION

- ❖ Enlightening young generation with effective pedagogies and hands-on practice and advanced skills.
- ❖ Stimulating the interest of students through add-on courses for better collaborative learning and employability.
- ❖ Providing guidance on innovative research and leadership proficiency.
- ❖ Inculcating human values along with social skills.

PROGRAM OUTCOMES (POS)

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.

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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.

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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 (PSOS)

PSO1 - Addressing societal problems through design and development of software and firmware solutions using latest Computer Science tools and technologies.

PSO2 - Involving enthusiastically in software development, software testing, storage, computing and business intelligence sectors

PROGRAM EDUCATIONAL OUTCOMES

PEO1 - Have successful career or pursue higher studies and research or emerge as entrepreneurs

PEO2 - Indulge in problem identification, analysis and formulation to provide technically Superior, economically feasible, environmentally compatible and socially acceptable design Solutions in computer science and allied domains.

PEO3 - Contribute towards entrepreneurship, research, exercise and leadership through Effective communication, teamwork and knowledge up gradation through lifelong learning.

EDITING MEMBERS
CHIEF EDITOR

Dr.S.LAVANYA,HoD/CSE

FACULTY EDITOR

Mr.S.SATHISH
Assistant Professor

STUDENT EDITOR

Santhosh Kumar V
Ajith R
Janani Priya R
anikandan A

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From Management's Desk:

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

Shri. V. Narayanasamy "Best Methods Man – Steel Foundry", Chairman of SRI Group with 40+ years of rich Industry experience established Sri Ranganathar Institute of Engineering and Technology (SRIET) in 2011, an Industry Integrated Institute to offer quality Engineering Education

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From the Principal's Desk:

"Welcome to our SRIET, on behalf of all of our faculty, staff and students…

In today's competitive global world, a skilled technical education is becoming increasingly important for future success.As Principal, I am extremely proud of our college's rich tradition of providing valuable, experience-based engineering education since its inception. Our programs prepare students to become leaders with the moral depth and intellectual rigor required to meet the challenges of a critical societal transition. We offer individualized, high-quality education delivered by an experienced and well-qualified faculty who bring objectivity and a practical focus to their classrooms. We attract students from a wide range of ethnic and cultural backgrounds, resulting in a vibrant and stimulating classroom environment.With this message, I'd like to wish all of our students, alumni, and future students a very positive and effective experience together."

Warm regards,

Dr. K. P. Arulshri, M.E., Ph.D.
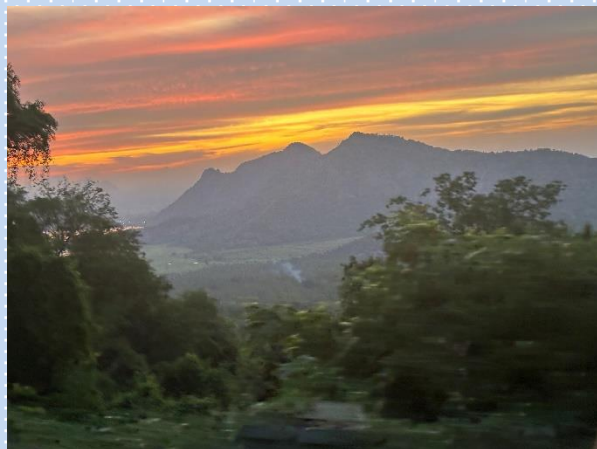
Mechanical Engineering

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Message from HoD's Desk:

Warm greetings!!

A warm welcome to Computer Science and Engineering. The department has highly committed faculty fraternity with pioneering pedagogy, puts constant effort towards knowledge. "The Expert in anything was Once a Beginner". Begin enthusiastically, achieve greater heights.

Warm regards

Dr.S.LAVANYA, HoD/CSE

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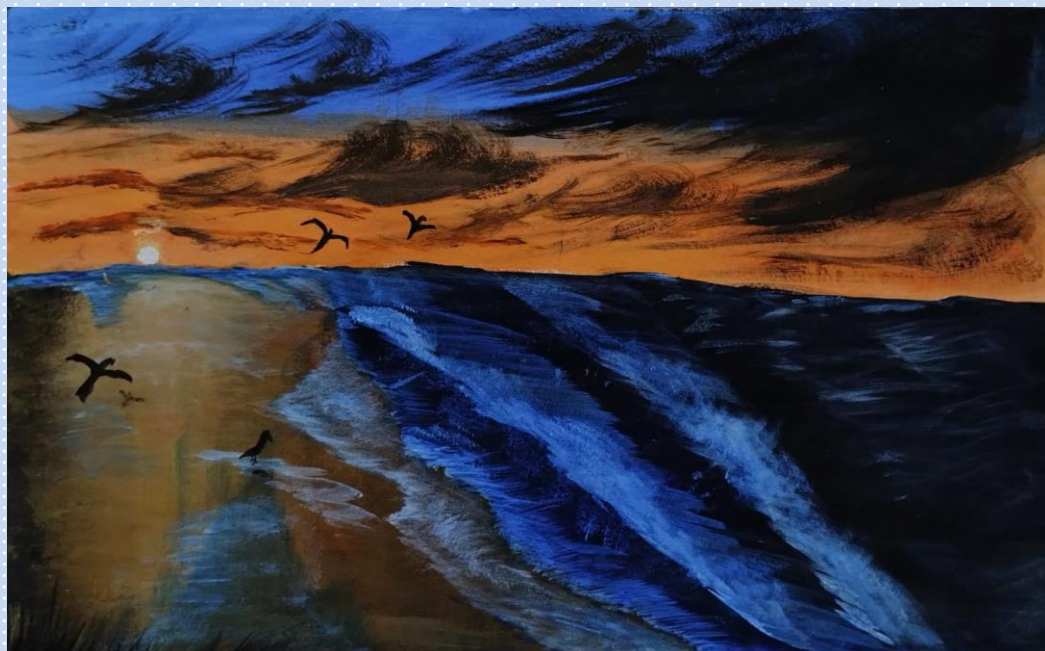## INSTITUTE OF ENGINEERING AND TECHNOLOGY
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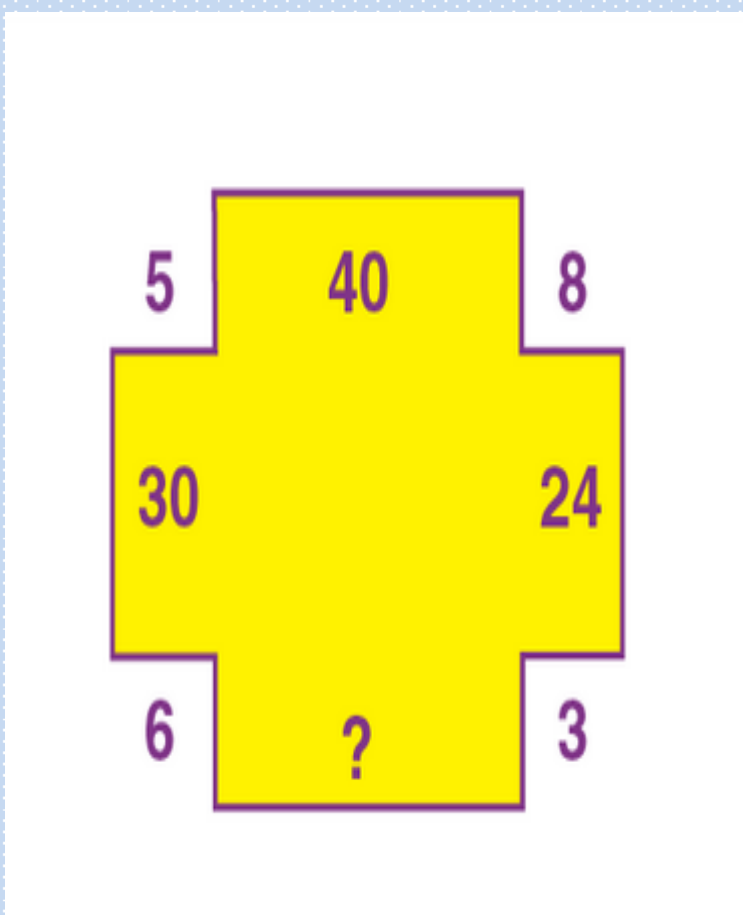Athipalayam, Coimbatore - 641 110. Web site: sriet.ac.in Ph: 0422 2697792

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POEM
I'm Glad

I'm glad to be me. Yes, I'm glad to be me.
There's nothing and no one that I'd rather be.
I'm glad I'm the person who knows what I know.
I'm glad I'll go to all the places I'll go.
I'm glad that I have all the thoughts that I have,
the foods that I eat and the drinks that I drink.
I'm glad that I have all the friends that I've met,
the things that I've got and the things that I'll get.

I'm glad to be someone who sees what I see.
I'm glad to be me. Yes, I'm glad to be me.
And, one other thing that I'm glad about too…
I think you're great and I'm glad you're you.

Poovendhan S
III CSE

Top 7 Growing technology Trends for 2021:

1. Hyperautomation
2. Intelligent Automation
3. Artificial Intelligence
4. Internet of Behaviors
5. Total Experience
6. Remote Operations
7. Enterprise Risk Management

by

S.Sathish Assistant Professor, CSE.

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TECHNOLOGY QUIZ

1. What does AI stand for in technology?

   A) Automated Internet

   B) Artificial Intelligence

   C) Advanced Integration

   D) Algorithmic Interface

2. Which of the following is an example of an open-source operating system?

   A) Windows 10

   B) macOS

   C) Linux

   D) iOS

3. What is the full form of HTTP in web technology?

   A) HyperText Transfer Protocol

   B) High-Tech Transmission Process

   C) Hyperlink Texting and Processing

   D) Host Transfer & Tele Protocol

4. Which company developed the first graphical web browser?

   A) Microsoft

   B) Google

   C) Netscape

   D) CERN

5. What does CPU stand for?

   A) Central Processing Unit

   B) Computer Personal Utility

   C) Core Processing Utility

   D) Central Program Unit

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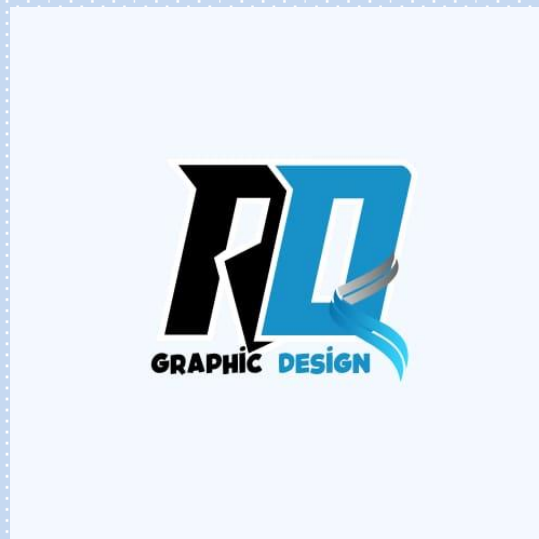Athipalayam, Coimbatore - 641 110. Web site: sriet.ac.in Ph: 0422 2697792

LOGO DESIGN
By
Rohini C
III-CSE

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BROUCHER DESIGNS
by Santhiya S III-CSE

JUST SAYING

What if it works??

Each day we feel so many thoughts gushing through our mind. In which we would all think of something which we feel like trying but there would be so many doubts such as, 'what if it doesn't work?'. Instead start thinking what if it works, an optimistic one. Everything in life is a trial-and-error process, it's not about what you gain it's about what you learn. A clear mind with a thought which doesn't allow you to sleep unless you try. What more do you want than the urge from within? Why to always be a spectator? Move ahead towards the field and work according to the voices of your mind. Even a little progress brings great joy. If it works cheers to your progress, celebrate your deed. If not, learn the best lesson which life wants you to learn.

Self-love:

Hey!!Hello...I hope it has been a great day. As it is the beginning I would like to prioritize self-love. Oh dear! "What is love if you don't love yourself??" This question is a line from a song in the movie Rio 2. Now I really ask it towards each one of you. Do you really love yourself? I've come across many people who don't even know the value of themselves. They keep grudging at themselves instead. Are you one among them? Then get along with me to find the true value of yourself. Firstly, know to adore yourself because you have been created for a purpose. Beautiful is the creations of the Creator. You and I are one among the creations who are very unique. Commence each day with a word of thanks for being a part in the journey of this universe. If you aren't a person who loves yourself then turn away from it and start to love yourself, then you will start to know the value of yourself. You will come to know that you are a gem within a geode. To love yourself your appearances don't matter; it's the inward one that matters more. You may ask, "What is the purpose of loving myself?" Here comes the answer. When you love yourself, you will never feel for not being loved by others. The most important truth is that when you start loving yourself then the people around you will start liking you naturally. This is the power of self-love. Not only this, it will teach you to enjoy your own vibe. Words can't explain the miracle of self-love.

By

Ezhilarasi T III-CSE

Dileep Kumar T III-CSE

அன்பின் பக்கம்

உன் பொக்கிஷம் என்று நீ வைத்த அன்பில்
அண்ணிடம் அனைந்தும் கொடுத்தாயே
உன் கஷ்டத்தை மறைத்து
உன் அன்பில் சிறைபிடிக்கப்பட்டு கிடக்கிறன்!

உன் அக்கறையில் வியந்து கிடக்கிறேன்
உன் மனதிலோ உயிர் மூச்சாக நிற்கிறேன்
ஏழு கண்டங்கள் தாண்டினாலும்
ஐந்து கடல்கள் என்னை சூழ்ந்தாலும்
வானம் இடிந்தே போனாலும்
பூமியோ பிளந்து சாகும் நிலை வந்தால்
கூட

எண்னை பிரியாத ஒரே உறவு
உண்டென்றால் அது நீய!

குமில்கள் இசை கொடுக்க
மயில்கசளா மழை பெய்த சந்தோஷத்தில்
நடனம் ஆட

சிங்கமா கற்ழிக்கும்
வீரத்தில் கியந்து பார்க்கும்
நானோ உள் காவடி பாதத்தில் கிடப்பேன்

NAUGHTY DAUGHTER

A Bold, Caring,

Darling with Elegance with some Flaws and with your

Grace, you my Highness..!

I will be your Jockey Knight, with Love. My Naughty Daughter.

You is a Over whelmed form of Pure love who is able to Quench the soul and you is a Real

Super being in the Tremendous Universe with a Very good Heart.

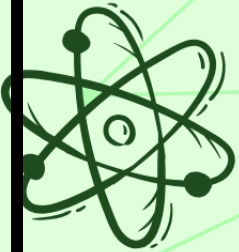Which should Experience the true Happiness in this world.

You will certainly do My Daughter.

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