



SRI RANGANATHAR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

(An ISO 9001:2015 Certified Institution)

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



ISO 9001:2015

DEPARTMENT
OF

COMPUTER SCIENCE ENGINEERING

NEWS LETTER

ZEAC

2021-2022 EVEN SEMESTER

VOLUME I / ISSUE II



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-centred 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.



Institute Vision

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

Institute Mission

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.



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

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 Educational Objectives

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

Program Outcomes

Engineering Graduates will be able to:

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

At the end of the program students will be able to

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



Editorial Board Members

Chief Editor: Mrs. Dr.S.LAVANYA Head of the Department – CSE

Faculty Editor: Ms,S.KALAIVANI,
Mrs.J.POONGODI,
Mr.C.SURESH,
Mr.M.SURESHKUMAR,
Mrs.R.PRIYADHARASHINI .

Student Editor: M.SURENDARAKUMAR CSE,
S.SUJITHRAJ CSE,
R.SATHISH CSE,
G.BHUVANESWARAN CSE.



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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





Students' Participation

- **Madhan Lal S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Deivasigamani V** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Karthika P** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Keerthana B** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Srinithi B** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Gopi M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Aysha Farhana M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Abigail L** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Jeevitha R** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Jasmin Swetha S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Surendra Kumar M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Vidhya Vihashini M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Tamilselvi R** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Narmatha S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Sujith Raj S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022



VOLUME I

ISSUE-II

- **Surendra Kumar M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Vidhya Vihashini M** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Tamilselvi R** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Narmatha S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022
- **Sujith Raj S** attended Internship on “Java Development” conducted Refinement Software Solutions, Coimbatore in 24.03.2022to 26 .03.2022



Students Certificates – Students Achievements

 **Gopalan College**
 of Engineering and Management
 ISO 9001 : 2008

The certificate is issued to **ABINESH G** Who actively participated on **One Week National Level Online SDP** on **"Mathematics for Data Science and Machine Learning"** @Time:6.30pm to 8.00pm Conducted by the Department of Computer Science Engineering held on 02.01.23 to 07.01.23

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 HOD/CSE
 ORGANIZER



Basavaraju
 Dr. BASAVA RAJU
 PRINCIPAL

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The certificate is issued to **RAJ KUMAR M** Who actively participated on **One Week National Level Online SDP** on **"Mathematics for Data Science and Machine Learning"** @Time:6.30pm to 8.00pm Conducted by the Department of Computer Science Engineering held on 02.01.23 to 07.01.23

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 Dr. BASAVA RAJU
 PRINCIPAL


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The certificate is issued to **ABIRAMI M** Who actively participated on **One Week National Level Online SDP** on **"Mathematics for Data Science and Machine Learning"** @Time:6.30pm to 8.00pm Conducted by the Department of Computer Science Engineering held on 02.01.23 to 07.01.23

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 Dr. BASAVA RAJU
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The certificate is issued to **BHUVANESWARI K** Who actively participated on **One Week National Level Online SDP** on **"Mathematics for Data Science and Machine Learning"** @Time:6.30pm to 8.00pm Conducted by the Department of Computer Science Engineering held on 02.01.23 to 07.01.23

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 Dr. BASAVA RAJU
 PRINCIPAL



Faculty Development Program / Webinars / Workshops:

- ❖ **Mrs.Dr.S.Lavanya** attended Conference on “Frontiers in AI based Multimedia Signal Processing” “conducted by MEPCO SCHLENK ENGINEERING COLLEGE (AUTONOMOUS) SIVAKASI in 17 - 21, January 2022.
- ❖ **Mr.Dr.C.Suresh** attended Conference on Paper Title “Blockchain-Based Deep Learning to Process IoT Data Acquisition in Cognitive Data” conducted hindawi.com
- ❖ **Mr.Dr.C.Suresh** attended Conference on Paper Title “Healthcare Biclustering Based Prediction on Gene Expression Dataset” conducted hindawi.com
- ❖ **Mrs.Dr.C.Suresh,** Conducted on NSS Program “Sapling Plantation” conducted in TSA Government Hr.Sec School,Kattampatti,Coimbatore
- ❖ **Mrs.J.Poongodi,** Presented National Level Conference on “Implementing air pollution indication for Asthma Patient using IoT” “conducted Bannari Amman Institute of Technology,Sathiyamangalam.
- ❖ **Mr Dr C.Suresh,** Conducted Webinar on CareerGuidance“conducted by Resource Person Mr.D.Rajasekar IFS Chief Conervator of Forest Punjab.
- ❖ **Mr M.Suresh Kumar,** Conduct Webinar on “ Recent Pedagogy In Teaching And Research “conducted by DR.M.G.R Educational and research institute in 09.05.2022 to 11.05.2022
- ❖ **Mr M.Suresh Kumar ,** Conduct Webinar on “ ICT Tools For Effective Teaching Learning “conducted by Kamala Nehru Mahavidyalaya,Nagpur in 23.05.2022 to 28.05 2022
- ❖ **Mr M.Suresh Kumar ,** Conduct Webinar on “ Research Methodology “conducted by Kamala Nehru Mahavidyalaya,Nagpur in 02.05.2022 to 07.05.2022
- ❖ **Mrs. Dr.S.Lanvanya,** attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022.



VOLUME I

ISSUE-II

- ❖ **Mrs. Dr.S.Lanvanya**, attended FDP on “ Research Methodology “conducted by SRM Institute in 06.06.2022 to21.06.2022
- ❖ **Mr M.Sureshkumar**, attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022
- ❖ **Mrs. Mrs.R.Priyadharshini**, attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022
- ❖ **Mrs.S.Kalaivani**, attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022
- ❖ **Mrs.T.Thenmozhi** attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022
- ❖ **Mr.C.suresh** attended FDP on “ Recent trends on Healthcare applications using Machine Learning “conducted by Kings Engineering College in 13.06.2022-18.06.2022
- ❖ **Mrs. Mrs.J.Poongodi** , Participated Reviwer on “Journal of Intelligent & Fuzzy Systems “in 10.06.2022



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Faculties Certificates – Faculty Achievements

KINGS
ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai, Approved by AICTE)
Chennai to Bangalore Highway, Irungattukottai, Sriperumbudur - 602 117

Department of Information Technology

Certificate of Participation

This is to certify that

Dr./Mr./Ms. Kalaivani S Assistant Professor & Computer Science and
 of Sri Ranganathar Institute of Engineering and Technology Engineering

has actively Participated in Six Day Faculty Development Program.

“Recent Trends On Healthcare Applications using Machine Learning”
 Conducted from 13th to 18th June, 2022 by the Department of Information Technology,
 Kings Engineering College, Chennai.

 Dr.P.Shanthakumar M.E.,Ph.D. Convener	 Dr.G.ManiKandan, M.E.,Ph.D. Head of the Department	 Dr.T.John Oral Bhaskar,M.E.,Ph.D. Principal
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DEPARTMENT OF CSBS, CT & ISE

This is to certify that

Mr/Ms/Dr J.POONGODI

of **SRI RANGANATHAR INSTITUTE OF ENGINEERING AND TECHNOLOGY** has presented a paper title
IMPLEMENTING AIR POLLUTION INDICATION FOR ASTHMA PATIENTS USING IOT in the **National**
Conference on Innovations in Information and Communication Technology (NCIICT-2022) held on 08
 April 2022 at **Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, India.**

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CERTIFICATE



CENTRE FOR FACULTY DEVELOPMENT
 ANNA UNIVERSITY :: CHENNAI - 600 025

..... Dr. S. Lavanya, Associate Professor.....
 Sri Ranganathar Institute of Engineering & Tech, Trichy.....

took part in the six-day Faculty Development Training Programme on
 C.S. 8651 - Internet Programming..... conducted in
 ONLINE MODE by the Department of Computer Science & Engineering.....
 at Ramco Institute of Technology, Raja Palayam.....
 from 03.01.2022..... to 08.01.2022.....


Dr. K. VIJAYA LAKSHMI
 COORDINATOR(S)
 with Name


DIRECTOR
 CENTRE FOR FACULTY DEVELOPMENT


REGISTRAR
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