



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 ODD SEMESTER

VOLUME I / ISSUE I



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

- 1.Enlightening young generation with effective pedagogies and hands-on practice and advanced skills.
- 2.Stimulating the interest of students through add-on courses for better collaborative learning and employability.
- 3.Providing guidance on innovative research and leadership proficiency.
- 4.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 Assistant Professor – CSE

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





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

- **Abirami M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Alexpandiyam M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Barkavi T** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Bhuvaneshwari K** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Deenadhayalan S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Deepak K** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Devadharshini S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Dhanushkumar M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Ganesh Kumar C** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Hemanth Kumar P** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Janani Priya R** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Jayaselvi M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Krishnaveni N** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Lavanya R** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Loganathan M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021



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- **Muppudathi S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Preethi S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Princy J** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Raj Kumar M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Sabareeshwaran S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Selvabhuvaneswari S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Senthamilselvi R** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Shalini V** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Snega R** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Sneha N** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Sowmiya P** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Sri Brintha A** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Srinivasan S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Subathra S M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021



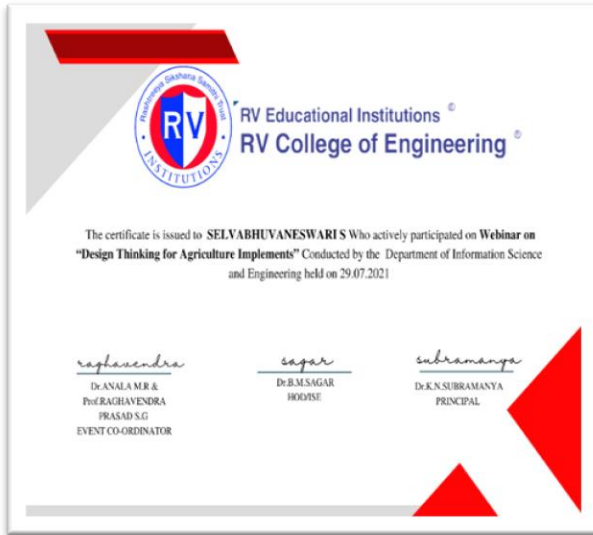
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- **Swetha P** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Vasanth E** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Yuvaraj M** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Abinesh G** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021
- **Gowtham S** attended Webinar on “Design Thinking for Agriculture Implements” conducted RV College of Engineering, Belagavi, Karnataka in 29.07.2021



Students Certificates – Students Achievements





RV Educational Institutions[®]
RV College of Engineering[®]

The certificate is issued to **SOWMIYA P** Who actively participated on **Webinar on “Design Thinking for Agriculture Implements”** Conducted by the Department of Information Science and Engineering held on 29.07.2021

raghavendra
Dr.ANALA M.R &
Prof.RAGHAVENDRA
PRASAD S.G
EVENT CO-ORDINATOR

sagar
Dr.B.M.SAGAR
HOD/ISE

subramanya
Dr.K.N.SUBRAMANYA
PRINCIPAL



Faculty Development Program / Webinars / Workshops:

- ❖ **Mrs.Dr.R.Mekala**, attended FDP on “Smart Antennas for 5G and beyond Communications” “conducted by Dr Mahalingam College engineering and Technology in 02.07.2021
- ❖ **Mrs.Dr.R.Mekala**, attended FDP on “Wearable Devices & Antenna Technologies for IoT, Mobile and Telemedicine Applications” “conducted ATAL 2021-07-05 to 2021-07-09
- ❖ **Mrs.Dr.R.Mekala**, attended FDP on “Workshop on LaTeX” “conducted Department of Mathematics, School of Science, GITAM, Bengaluru in 05.07.21-09.07.21
- ❖ **Mrs.Dr.R.Mekala**, attended FDP on “Machine Learning Using Python In Google Colab” “conducted Panimalar Institute of Technology at 30-06-2021 to 02-07-2021
- ❖ **Mrs.Dr.R.Mekala**, attended FDP on “Revised Accreditation Framework for Quality Enhancement in higher Educational Institutes” “conducted Sri Sairam Engineering College, Chennai .
- ❖ **Mrs J. Poongodi**, attended FDP on ““Five Days e-Workshop on LaTeX “conducted by Gandhi Institute of Technology and Management(Gitam), Bengaluru .
- ❖ **Mrs. J. Poongodi**, attended FDP on “ Device Security in Internet of Things “conducted by ATAL Academy – AICTE in 07.07.21-11.07.21
- ❖ **Mr. S.Sathish**, attended FDP on “ Device Security in Internet of Things “conducted by ATAL Academy – AICTE in 07.07.21-11.07.21
- ❖ **Mr. S.Sathish**, attended Five day Workshop on “ Five Days e-Workshop on LaTeX “conducted by Gandhi Institute of Technology and Management(Gitam), Bengaluru
- ❖ **Mrs. Sowmya.H**, attended Five Days Workshop on “Advanced Semantic Intelligence The Way Forward With Ai” Aicte Sponsored Conducted By Nit Kurukshetra on 21.07.2021 To 25.07.2021
- ❖ **Mrs. Mrs.R.Priyadharshini**, attended Five day Workshop on “ Five Days e-Workshop on LaTeX “conducted by Gandhi Institute of Technology and Management(Gitam), Bengaluru
- ❖ **Mrs. Mrs.R.Priyadharshini**, attended Five day Workshop on “Machine Learning Using Python In Google Colab “conducted by Panimalar Institute of Technology in 30-06-2021 to 02-07-2021
- ❖ **Mr. C.Suresh**, webinar on “Revised Accreditation Framework for Quality Enhancement in higher Educational Institutes” conducted by Sri Sairam Engineering College, Chennai in 14/07/21-15/07/21
- ❖ **Mrs. Dr.R.Mekala** attended FDP on “recent trends in electrical engineering”conducted by geethanjali institute of science and technology in 16/08/21-23/08/21



- ❖ **Mrs. J.Poongodi**, attended FDP on “Security and Privacy” conducted by ATAL Academy – AICTE in 09/08/2021 to 13/08/2021
- ❖ **Mrs. R.Priyadharshini**, attended FDP on “recent trends in lectrical engineering” conducted by geethanjali institute of science and technology in 16/08/21-23/08/21
- ❖ **Mrs.R.priyadharashini**, attended FDP on online "Computational techniques in Engineering" conducted by ATAL Academy – AICTE.
- ❖ **Mr.C.Suresh**, attended attended FDP on “recent trends in lectrical engineering” conducted by geethanjali institute of science and technology in 16/08/21-23/08/21.
- ❖ **Mr.M.SureshKumar**, attended attended FDP on “recent trends in lectrical engineering” conducted by geethanjali institute of science and technology in 16/08/21-23/08/21.
- ❖ **Mr.M.SureshKumar,** attended Webinar on Outcome Based Education & NBA Accreditation” conducted by Online Nehru Institue of Engineering and Technology ,Coimbatore in 12.08.21-13.08.21.
- ❖ **Mrs. H.Sowmya**, has attended Four Day FDP on “Crypto currency And Block Chain Technology” by AICTE sponsored program conducted by punjab engineering college in 16/08/2021 TO 20/08/2021
- ❖ **Mrs. H.Sowmya**, has attended FDP on “Growing Opportunities In Cyber Security” by Hindustan College of Engineering and Technology in 27-08-2021
- ❖ **Mrs. Dr.R.Mekala**, J.Poongodi, S.Sathish, R. Priyadharshini, S. Kalaivani, M. Sureshkumar, D. Manojkumar, H. Sowmya attended Seminar on “Qualitative and Quantitative Metrics in RAAF of NAAC” conducted by Rajalakshmi Engineering College, Chennai in 17.09.2021.
- ❖ **Mrs.Nisha Maraim Varughese** attended FDP on “Signal Processing for 5G and IoT” conducted by ATAL in 06.09.21 to 10.09.21
- ❖ **Mrs.J.Poongodi**, Presented Conference on Paper Title “SMB: An smart featured Medicine Device for patient monitoring “conducted IEEE Technically sponsored international conference on advancements in electrical, electronics, communication, computing and automation conducted by Kumaraguru College of Technology in 8.10.2021 & 09.10.21



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- ❖ **Dr.R.Mekala, D.Manojkumar, R.Priyadharshini, C.Suresh, M.Sureshkumar, S.Kalaivani** has attended FDP on “Emerging Research and Advances & Trends in Intelligent knowledge Engineering Systems” Conducted Sai Ram institute of Engineering Technology in 30-09-2021 to 06-10-2021
- ❖ **J.Poongodi, S.Sathish** has Conducted Webinar on “National level webinar on “ Opportunities after Engineering through GATE/ESE/PSU” Conducted Resource Persons Mr S. Manimohan trinath GATE/ACE Engg Academy ,Hyderbad
- ❖ **Dr.S.Lavanya,** has attended Webinar on “Theory of Computation” Conducted Dr.A.Christy JebaMalar Associate Professor, Dept of IT, Sri Krishna College of Technology, Coimbatore.
- ❖ **Dr.S.Lavanya,** has attended Workshop on “Open Source Tools for Cybersecurity “ Conducted Karpagam College of Engineering in 23.12.2021 to 24.12.2021.



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Sample Certificates – Faculty Achievements



PANIMALAR INSTITUTE OF TECHNOLOGY
 JAISAKTHI EDUCATIONAL TRUST
 No.391, Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai - 600 123
 ORGANIZED BY
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**3 DAYS ONLINE HANDS-ON
 FACULTY DEVELOPMENT PROGRAM ON
 MACHINE LEARNING USING PYTHON IN GOOGLE COLAB**

Certificate of Participation
 This is to certify that
Priyadharshini R

has participated in 3 Days Online Hands On FDP on the topic " Machine Learning Using Python With Google Colab" conducted from 30th June to 2nd July 2021 organized by Department of Computer Science and Engineering at Panimalar Institute of Technology


 Dr. V. SUBEDHA
 HODICSE


 Dr. T. JAYANTHI
 PRINCIPAL





HINDUSTHAN INSTITUTE OF TECHNOLOGY
 (An Autonomous Institution)


Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA & NAAC with 'A' Grade & Certified with ISO 9001:2015, Coimbatore - 641 032

WS565C-CE000137 *Certificate of Participation*

This is to certify that Mr. Suresh C / Computer Science and Engineering / Sri Ranganathar Institute of Engineering and Technology has participated in the Webinar on "Higher Education in USA", organized by the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, Coimbatore in association with IEEE Students Chapter on 19.06.2021.


 Mr. N. Rathan
 Co-ordinator


 Dr. B. Paulchamy
 Convener


 Dr. C. Natarajan
 Principal

Made for free with Certify'em



ATAL
 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070
 AICTE Training And Learning (ATAL) Academy


Certificate

This is certified that S. Sathish, Assistant Professor of Sri Ranganathar Institute of Engineering and Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Device Security in Internet of Things" from 2021-7-7 to 2021-7-11 at Indian Institute of Information Technology Guwahati.


 Adviser-I, ATAL Academy




 Coordinator



GITAM
 GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)
 DEPARTMENT OF MATHEMATICS
 SCHOOL OF SCIENCE, GITAM, BENGALURU, INDIA

Certificate of Participation

This is to certify that *S. Sathish*, Assistant Professor, Department of Computer Science and Engineering from Sri Ranganathar Institute of Engineering and Technology, India has participated in the *Five Days e-Workshop on LaTeX*, organized by the Department of Mathematics, School of Science, GITAM, Bengaluru, India, held from 5th to 9th July 2021.


 Dr. B. Venkateswarlu
 Convener


 Prof. Atul Kumar
 Principal



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