



# SRI RANGANATHAR

## INSTITUTE OF ENGINEERING AND TECHNOLOGY



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)  
Athipalayam, Coimbatore - 641110. Website: [sriet.ac.in](http://sriet.ac.in), Ph: 0422-2697792

DEPARTMENT  
OF  
**COMPUTER  
SCIENCE  
ENGINEERING**

**NEWS LETTER**

**Z E A C**

**2022-2023 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.

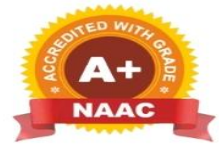
## Institute Mission

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: Individua 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:** Mrs. Dr. S. Lavanya,

Mr. M.SURESHKUMAR , Assistant Professor – CSE

Mrs. Priyadharshini R,

Ms.KALAIVANIS,

Mr.C.Mahesh,

Mrs.V.Vinothini,

Mrs.D.Mangaiyarkrasi,

Mr.A.Arockiya Selvaraj.

**Student Editor:** Sathish. K II Yr.CSE,

Bhuvaneshwaran.G IYr.CSE,

Sujith Raj. B IYr.CSE,

Surendr kumar.M IYr.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 M. HOD/CSE**







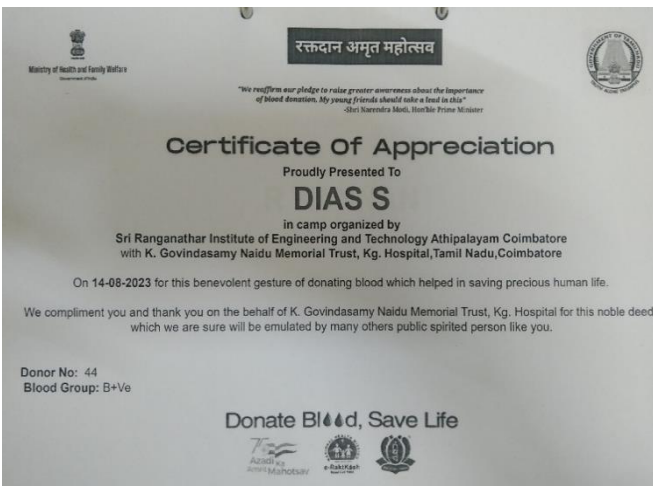
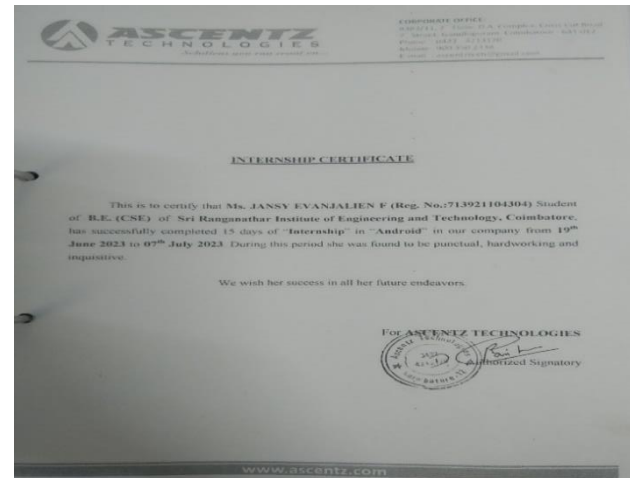
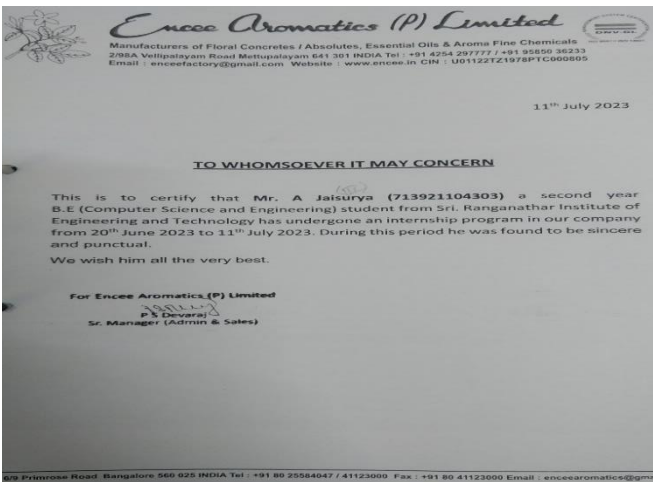
### Students' Participation

- T.Barkavi, attended project presentation on "Route life "conducted by ANNA UNIVERSITY REGIONAL CAMPUS on 09.06.2022 , Coimbatore.
- Abigail J, Haripriya K, Kabilkumar M, Tamil Selvi R, Kowsika N V attended Hands on training on "Phython programming"conducted by Macnus Solutions Pvt Ltd on 22/08/2022 to 24/08/2022 , Coimbatore.
- Dhanushkumar M,Deepak K,abirami M, Senthamilselvi R, Preethi S attended Extension activity on "TNSCST Student Project Proposal "conducted by TNSCST on 30.08.2022, Coimbatore.
- Dharshini Priya B,Keerthana E,sharmila P, Deivasigamani ,Surendra kumar M , Karthika P attended Paper Presentation on "TECHOZRIC'2K22 "conducted by KGISL Institute of Technology on 27.09.2022 , Coimbatore.
- Deivasigamani , Surendra kumar M , Karthika P,Abigail J , Keerthana B attended Workshop on "Introduction to UI Design "conducted by SNS College of Technology on 27.09.2022 to 29.09.2022, Coimbatore.
- Surendra kumar M, Narmatha S attended Workshop on "Flash code "conducted by Sri Krishna College of Engineering and Technology on 15.09.2022,Coimbatore.
- P. Pavithra, attended Seminar on "Introduction to 8051 & Pin Description "conducted by Skyy Rider Institutions on 26.10.2022, Hydrabad.
- P.Pavithra , attended Workshop on "Free Human Resource Skills "conducted by Tareeqa Global Solutions on 05.10.2022, Uttar Pradesh.
- Janani Rindhiya C M, attended Workshop on "Cyber Hygiene Practitioner "conducted by MeitY on 02.10.2022.



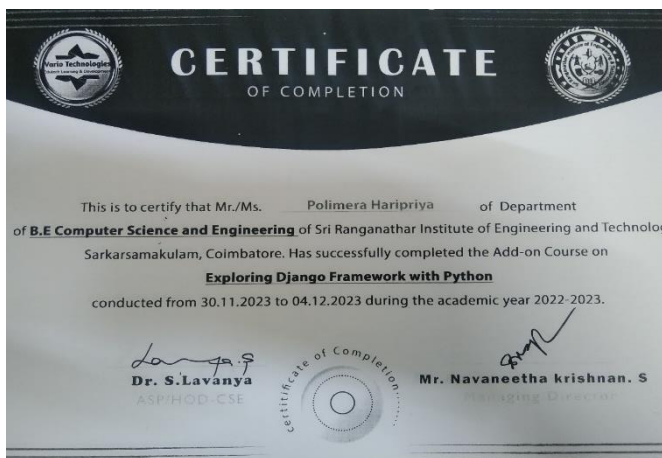
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**Students Certificates – Students Achievements**





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❖ **Faculty Development Program / Webinars / Workshops:**

- ❖ Dr.S.Lavanya, attended Webinar on “Restructuring Management Education Towards Innovation “conducted by V.O.Chidambaram College on 27-06-2022 to 03-07-2022 .
- ❖ Dr.S.Lavanya, attended Webinar on “Sustainable Strategies for Intrapreneurship – Challenges and Issues “conducted by VET Institute on 29-07-2022.
- ❖ Dr.S.Lavanya, attended Webinar on “Intellectual Property Rights: An Insight “conducted by VET Institute of arts and science on 29-07-2022.
- ❖ Dr.S.Lavanya, attended webinar on “Innovation and Entrepreneurship “conducted by Sree Vidyanikethan Engineering College on 02-07-2022 to 23-07-2022.
- ❖ Mr.M.Sureshkumar, attended webinar on “Sustainable Strategies for Intrapreneurship – Challenges and Issues “conducted by VET Institute on 29-07-2022.
- ❖ Mr.M.Sureshkumar, attended webinar on “Intellectual Property Rights: An Insight “conducted by VET Institute of arts and science on 29-07-2022.
- ❖ Mr.M.Sureshkumar, attended webinar on “Institution Innovation Council Meet “conducted by Sathyabama Institute of Science and Technology on 21-07-2022.
- ❖ Mr.M.Sureshkumar, attended webinar on “Restructuring Management Education Towards Innovation “conducted by V.O.Chidambaram College on 27-06-2022 to 03-07-2022.
- ❖ Mr.M.Sureshkumar, attended webinar on “Innovation and Entrepreneurship “conducted by Sree Vidyanikethan Engineering College on 02-07-2022 to 23-07-2022.
- ❖ Mrs. J.Poongodi, attended webinar on “IBM Online Course on “Improving Healthcare: The Role of Cloud Computing “conducted by IBM Online Platform on 07.07.2022



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- ❖ Mrs. J.Poongodi, attended webinar on “Online FDP on Natural Language Processing “conducted by Shri Madhwa Vadiraja Institute of Technology and Management on 25.07.2022 to 29.07.2022.
- ❖ Mrs.R.Priyadharshini, attended Webinar on “Intellectual Property Rights: An Insight “conducted by VET Institute of arts and science on 29-07-2022.
- ❖ Mrs.R.Priyadharshini, attended webinar on “Restructuring Management Education Towards Innovation “conducted by V.O.Chidambaram College on 27-06-2022 to 03-07-2022.
- ❖ Mrs.R.Priyadharshini, attended webinar on “Innovation and Entrepreneurship “conducted by Sree Vidyanikethan Engineering College on 02-07-2022 to 23-07-2022.
- ❖ Mrs.R.Priyadharshini, attended webinar on “Restructuring Management Education Towards Innovation “conducted by V.O.Chidambaram College on 27-06-2022 to 03-07-2022.
- ❖ Mrs.S.Kalaivani, attended webinar on “Innovation and Entrepreneurship “conducted by Sree Vidyanikethan Engineering College on 02-07-2022 to 23-07-2022.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar, J.Poongodi, Mrs.R.Priyadharshini , attended FDP on “Role of Artificial Intelligence in Renewable Energy Applications” conducted by KPR Institute of Engineering and Technology on 01-08-2022 to 05-08-2022 at Coimbatore.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar, Mrs.R.Priyadharshini, attended FDP on “Advancements of Cyber Security“conducted by Dr.B.Roy Engineering College on 22-08-2022 to 26-08-2022 at Durgapur.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar, Mrs.R.Priyadharshini, attended FDP on “Designing and Modelling of IoT, AI & ML Systems “conducted by ATAL Academy, Arm Education and STMICROELECTRONICS on 01-08-2022 to 05-08-2022.



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- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar, J.Poongodi, Mrs.R.Priyadharshini, Mrs.S.Kalaivani attended Faculty orientation program on “EDUCATION IN POST COVID”conducted by sri ranganathar institute of engineering and technology on 02.08.2022.
- ❖ Mr.M.Sureshkumar, Mrs.R.Priyadharshini, attended One day workshop on “Learning Management System”conducted by ViewSonic Education by sri ranganathar institute of engineering and technology on 17-08-2022 at Coimbatore.
- ❖ Mrs.J.Poongodi, attended Nalaiya Thiran on “Design Thinking Training program for Mentors “conducted by ICT Academy & Anna University on Aug 22 & 23, 2022.
- ❖ Mrs.J.Poongodi, attended Nalaiya Thiran on “Project Template and Ideation Process Session “conducted by ICT Academy & Anna University on Aug 19, 2022.
- ❖ Mrs.J.Poongodi, attended Nalaiya Thiran on “Project Evaluation and Metric Assessment sessions “conducted by ICT Academy & Anna University on Aug 13, 2022.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar ,Mrs.R.Priyadharshini, A.Arockiya Selvaraj, attended Seminar on “The Importance of Outcome Based Education in a Modern Educational Setup“ conducted by Hindusthan Institute of Technology on 21st & 22nd September 2022 at Coimbatore.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar ,Mrs.R.Priyadharshini, attended Seminar on “Research and development in Platinum Chemistry “conducted by National Engineering College on 17.09.2022 at chennai.
- ❖ Mrs.S.Kalaivani, Mrs.D.Mangaiyarkarasi ,Mr.C.Mahesh, attended Seminar on “Cryptocurrency, Blockchain & Cyber Security “conducted by KMM College of Arts and Science on 12.09.2022 to 16.09.2022 at Thrikkakara.
- ❖ Mrs.S.Kalaivani, Mrs.D.Mangaiyarkarasi, attended Seminar on “Research skills & Development “conducted by St.Xavier’s College on 10.09.2022 at Mahuasdandr.
- ❖ Mrs.S.Kalaivani, Mrs.D.Mangaiyarkarasi ,Mr.C.Mahesh, attended Seminar on “Taking Research to



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Next Level “conducted by Sri Venkateshwara College of Engineering on 26.09.2022 to 30.09.2022

- ❖ Mrs.D.Mangaiyarkarasi, attended Seminar on “Today’s Ozone Day layer Protection: Emission Sources, Impact and Solution “conducted by Indonesian Green Action Forum IPB on 17.09.2022 .
- ❖ Mrs.D.Mangaiyarkarasi, attended Seminar on “National Intellectual Property Awareness Mission “conducted by Intellectual Property Office on 06.09.2022.
- ❖ Dr.S.Lavanya, Mrs.M.SureshKumar ,Mrs.R.Priyadharshini, attended Seminar on “Webinar on “Learning AI/ML“conducted by JSS Academy of Technical Education on 09.10.20225 at Noida.
- ❖ Dr.S.Lavanya,Mrs.M.SureshKumar,Mrs.R.Priyadharshini,Mrs.S.Kalaivani, Mrs.D.Mangaiyarkarasi ,Mr.C.Mahesh , A.Arockiya Selvaraj ,attended FDP on “Machine Learning and Deep Learning“ conducted by SRM Institute of Science and Technology on 11.10.2022 to 15.10.2022 at Chennai.
- ❖ Mrs.S.Kalaivani, attended Webinar on“ Upcoming Trends in Wearable Electronics and Internet of Things (IoT) “conducted by National Institute of Technical Teachers Training and Research,on 15.10.2022 at chennai.
- ❖ Mr.C.Mahesh, attended FDP on “ Cloud Computing “conducted by PSG iTech on 31.10.2022 at Coimbatore.
- ❖ Mr.A.Dinesh Kumar, attended FDP on “Big Data Analytics “conducted by PSG iTech on 26.10.2022 at Coimbatore.




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Sample Certificates – Faculty Achievements


**BON SECOURS COLLEGE FOR WOMEN**  
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 Vitor Road, Thanjavur - 613 006

**DEPARTMENT OF COMPUTER APPLICATIONS**  
**PARTICIPATION CERTIFICATE**

This is to certify that **SURESH KUMAR M**, Assistant Professor, Sri Ranganathan Institute of Engineering Technology has attended Online National level Faculty Development Programme on "Recent Research Convergence in Artificial Intelligence and Internet of Things" organized by the Department of Computer Applications from 21.11.2022 to 25.11.2022.

 **Ms. R. Gomathijayam**  
 Head of the Department

 **Sr. Terencia Mary**  
 Director

 **Dr. S. Gayathri**  
 Principal

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**DEPARTMENT OF COMPUTER APPLICATIONS**  
**PARTICIPATION CERTIFICATE**

This is to certify that **DR.SLAVANYA**, Associate professor, Sri Ranganathan Institute of Engg. & Tech. has attended Online National level Faculty Development Programme on "Recent Research Convergence in Artificial Intelligence and Internet of Things" organized by the Department of Computer Applications from 21.11.2022 to 25.11.2022.

 **Ms. R. Gomathijayam**  
 Head of the Department

 **Sr. Terencia Mary**  
 Director

 **Dr. S. Gayathri**  
 Principal


**Certificate**  
**OF PARTICIPATION**  
**Priyadharshini R**

Sri Ranganathan Institute of Engineering and Technology

has participated in **ACM Webinar** in title of "Deep Learning and Its Application"(Online) held on **24th November 2022** Organized by **Yelagiri Hills ACM Professional Chapter & Don Bosco College (Co-Ed) Yelagiri Hills, Tirupattur District**

 **Dr. A. Naveen**  
 Head of Department  
 PG Department of Computer Science

 **Rev. Fr. (Dr.) S. Thaddeus**  
 The Chair,  
 Yelagiri Hills ACM Professional Chapter


**Indian Institute of Management and Commerce**  
UG & PG College - Sponsored by VASAVI FOUNDATION Affiliated to Chennai University  
 (ACCREDITED BY NAAC WITH "B" GRADE)  
 6-1-91, Adj. Telephone Bhavan, Khairatabad, Hyd-500004  
 (Internal Quality Assurance Cell) IQAC

**CERTIFICATE OF PARTICIPATION**

This is to certify that **MRS PRIYADHARSHINI R**, ASSISTANT PROFESSOR of Sri Ranganathan Institute of Engineering and Technology has participated in **National Online Workshop on "Research Ethics and Identifying Predatory and Cloned Journals in Publications"** organized on **25.11.2022**.  
 Resource Person: Prof(Dr) Sumit Narula, Deputy Director, Amity University.

 **R. Raghavendra Rao**  
 Convener

 **K. Raghuvveer**  
 Principal

**Five Days Faculty Development Program**  
**on**  
**Recent Advancements in Science & Engineering**  
**(RASE-2022)**  
**Certificate of Participation**

Ref. No. RCERT / RASE-2022 JXVMXG-CE000182

This is to certify that **Dr./Mr./Ms./Mrs. Arockia Selvaraj A** of **Sri Ranganathan Institute of Engineering and Technology** has participated in the five days Faculty Development Program on "Recent Advancements in Science & Engineering" held from 26<sup>th</sup> - 30<sup>th</sup> December, 2022 at Regional College for Education Research and Technology, Jaipur.

 **Er. Sunil Kumar Mahapatro**  
 Coordinator, RCERT

 **Dr. Anshu Surana**  
 Vice Chairman, Deepshikha Group

 **Dr. Pramod Sharma**  
 Principal, RCERT

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**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
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**CERTIFICATE OF PARTICIPATION**

This is to certify that **V.Vinothini** of **Sri Ranganathan Institute of Engineering and Technology** has participated in International Level Virtual Faculty Development Program on "Research Advancements in Intelligent Computing Technologies", organized by Department of Computer Science and Engineering from 19.12.2022 to 23.12.2022.

 **Mr. M. VENGATESHWARAN**  
 Dr. G. VIJAYA & Dr. V. K. RESHMA  
 Coordinator

 **Dr. K.SASI KALA RANI**  
 HOD/CSE

 **Dr. J. JANET**  
 Principal





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