


SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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| Profile & Photo : | <p align="center">U.THARANI CHITRA</p>  |
| Designation: | Assistant Professor-III |
| Qualification : | ME..Doing PhD (Anna university) |
| Area of specialization : | Networking, Image processing, Machine learning |
| Experience : | Teaching: 8years 8 months |
| | Industry : 2yrs |
| No. of workshop / Conferences / FDP attended | Workshop : 1 Conferences : nil FDP : 7 STTP :nil ISTE : nil |
| Publication : | Journal International :4 |
| Conference : | International :NIL |
| | Patents: Published : 3 |
| Membership in Professional bodies: | One Year IEEE Membership |

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| Responsibilities : | <ul style="list-style-type: none"> ● Acted as class coordinator 2024-2028 batch students ● Acted as IDL Coordinator, ● Acted as a technical team in IEEE conference which is conducted by our department ● Acted as seminar/ workshop file incharge. ● Acted as an Organizer in Techno culture club. ● Acted as department executive member in the Women empowerment cell. ● Acted as coaching class file incharge |
| Achievements: | <ul style="list-style-type: none"> ● Organize agripulse 2.0 event in technoculture club. ● Organize a women empowerment cell event. ● Organize F2F hackathon in the technoculture club. ● Presented a Papers in various National and International Conferences ● Certificate of participation for FDP in Wadhvani Foundation. ● Completed NITTT 8 modules ● NPTEL appreciation certificate ● Nptel courses completed certificate. ● Producing 90 to 100% results |

Professional Experience:

| Sl. No | College / Organization | Designation | Period | |
|--------|---------------------------------|---------------------|------------|------------|
| | | | From | To |
| 1. | Srinivasan Engineering college | Lecturer | 20.8.2008 | 15.05.2011 |
| 2. | Thangavelu engineering college | Assistant Professor | 1.6.2019 | 30.9.2021 |
| 3. | Sri Sai Ram Engineering College | Assistant Professor | 08-07-2022 | Till Date |

PATENT DETAILS:

1. Patent Grant on “Cloud Based Water Usage Monitoring And Control Device”,Patent Number : 469904-001 Filing Date-16/08/2025(7th Author)

2. Filled and Published Indian Patent on “ **An Evolution over Internet of Things(IoT) Enabled Real Time weather Forecasting System using Arduino**” (Application No.202341015241A) on 17.03.2023.(4th Author)
3. Filled and Published Indian Patent on “**MACHINE LEARNING-DRIVEN MULTISPECTRAL FUSION FOR ENHANCED OBJECT DETECTION IN REMOTE SENSING IMAGES**”(Application no. 202341074580 On 02/11/2023(4th author)

Publications: National/ International Journals

1. U.THARANI CHITRA, “**Modeling Smarty Web Search Engine Using XML Cluster**” International Journal of Research in Engineering, Science and Management Volume-3, Issue-4, April-2020
2. Revathi M, Ruban Thomas D, Mohamed Abbas A, Mohanraj K, **Tharani Chitra U**, Balaji N “**Design and Implementation of Linear Taper Slot Antenna for Multiband Applications**” 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)..publication date: 2022/12/8.
3. **U Tharani Chitra**, K Rajesh, M Harshitha, S Priyadharshini “**Indoor Campus Navigation using Web Application System for Seamless University Mobility**” 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS) publication date: 2023/12/14.
4. **U Tharani Chitra**, K Rajesh, S Sandhiya, Jeflin Felshiya JJ “**Forest Fire Detection System**” 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS) publication date: 2023/12/14.

| FDP, WORKSHOP, SEMINARS | | |
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| Name of the Program | Organized by | Date |
| FDP | | |
| Insights and open challenges in computing technologies | ISTE and CSI | 11.7.2022 to 15.7.2022 |
| FDP on "NO CODE AND LOW CODE MACHINE LEARNING TECHNIQUES" | Sri sairam Engineering College | 19.12.2022 to 23.12.2022 |
| 5-day online UHV-I FDP | All India Council for Technical Education (AICTE) | 30.1.23 to 3.2.23 |
| Participated "FACULTY DEVELOPMENT PROGRAM ON OFFENSIVE SECURITY" | Sri sairam Engineering College | 30.06.2025 to 05.07.2025 |
| Participated "FACULTY DEVELOPMENT PROGRAM ON AI for teaching pedagogy | Seshadripuram degree college, Mysuru... IIC and IQAC | 6.9.2025 |
| Participated in 7 Days FDP on The Gen Z Effect: Innovation, Impact and the Future of Industry" | Star International Foundation for Research and Education | 2.10.25 to 8.10.25 |
| Participated in Faculty Development Program on Cyber Security, | Saraswati College of Engineering, Kharghar & Jawaharlal Nehru New College of Engineering, Shivamogga | 13.10.25 to 17.10.25 |
| Workshop | | |
| Recent development in cloud computing | Thangavelu engineering college | 23.5.2020 |

COURSES COMPLETED:

| S. No. | Name of the Course | Certified by | Date |
|---------------|--|---------------------|-------------|
| 1 | Apple Teacher | Apple | Nov2025 |
| 2 | Social Emotional Education: Knowledge to Practice (SEEK) | UNESCO MGIEP | Nov 2025 |

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| 3 | Panchayat Administration and Rural Development Schemes | State Institute of Rural Development and Panchayat Raj (SIRD) | Sep 2025 |
| 4 | Introduction to Internet of Things | NPTEL | July-Aug 2023 |
| 5 | Operating System Fundamentals | NPTEL | Jul-Oct 2025 |
| 6 | Introduction to Database Systems | NPTEL | Jan-Apr 2024 |
| 7 | Certificate of appreciation | NPTEL | Jan-Apr 2024 |
| 8 | Module 1 to 8 | NITTTR | completed |