


**SRI SAI RAM ENGINEERING COLLEGE**

**Department of Information Technology**

<b>Name:</b>	<b>T.MANJU</b> 
<b>Designation:</b>	<b>Assistant Professor-II</b>
<b>Qualification:</b>	<b>M.E., (Ph.D)</b>
<b>Area of Specialization:</b>	<b>Artificial Intelligence, Computer Vision, Virtual Reality, Programming and Problem solving</b>
<b>Experience:</b>	<b>Teaching:</b> <b>UG:- 12 Yrs.          6 months</b> <b>Industry:-          NIL</b>
<b>No. of workshop / Conferences /FDPattended:</b>	<b>National Conference:1</b> <b>International Conference:0</b> <b>FDP attended: 40</b>
<b>Publication:</b>	<b>Journal</b> <b>National : - 1</b> <b>International:- 3</b> <b>Conference</b> <b>National :1</b> <b>International : 8</b> <b>Book Chapters: 2</b> <b>Patents: 2</b>
<b>Research Guidance:-</b>	<b>Nil</b>
<b>Membership:</b>	<b>ACM, IEEE</b>

## Career summary

- **Competitive Assistant professor having 12+years of experience in Computer Science Engineering in one among top five Engineering colleges.**
- **Received funding from Department of Science & Technology, Government of India worth Rs.34 Lakhs.**
- **Done one month sponsored Internship in Nanyang Technological University, Singapore.**
- **Doing research and guiding students to do innovative projects in emerging technologies such as virtual reality.**
- **Having excellent communication skill in English(5.5 IELTS) and Tamil.**

## Experience details

### **Sri Sai Ram Engineering College, West Tambaram, Chennai**

Experience : September 2021 – Till date  
Designation : Assistant Professor, Department of Information Technology,  
Area of Teaching : Database Management System, C Programming, Python  
Programming, Web Technology, Artificial Intelligence, Data Science,  
FOSS, R Programming, Software Engineering

### **Madras Institute of Technology [Anna University Campus], Chennai**

Experience : November 2020 – August 2021  
Designation : Teaching Fellow, Department of Information Technology  
Area of teaching : Integrated Programming, Human Computer Interaction

### **Thiagarajar College of Engineering, Madurai**

Experience : December 2012 – May 2010  
Designation : Assistant professor, Department of Information Technology  
Area of teaching : Artificial Intelligence, Computer Vision, Virtual Reality,  
Design and Analysis of Algorithms, Human Computer  
Interaction, Object oriented Programming, Cloud Computing, Problem  
solving using C

### **Vickram College of Engineering**

Experience : June 2012 – December 2012  
Designation : Lecturer(Senior Grade), Department of Computer Science and  
Engineering  
Area of teaching : Software Testing, Web Technology, Problem solving using computers.

## **Conferences:**

- “Fish Farm Management System”, International Conference on Communication, Computing and Internet of Things (IC3IoT), April 2024
- “User-Centric Emotion Modeling for Next-Generation Recommender System”, International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), December 2023.
- “Yolo Convolutional Neural Network Algorithm for Recognition of Indian Sign Language Gestures”, International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), May 2023.
- “MIVRA (Mental Immersion in Virtual Reality Avatar) – Social communication rehabilitation Assistive tool for Autism children”, International conference on innovations in Information and communication Technologies, 18<sup>th</sup>-19<sup>th</sup> December 2020.
- “A Virtual Reality Therapy for Autism Spectrum Disorder” in 2017 International Conference on Computational Intelligence: Theories, Applications, and Future Directions (ICCI-2017) at Indian Institute of Technology Kanpur, India during December 6<sup>th</sup> - 8<sup>th</sup>, 2017.

## **Scopus Indexed Book chapters:**

- “VR Based under Water Museum of Andaman and Nicobar Islands”, Fourth International Conference on Information and communication Technology for Intelligent Systems, May 15<sup>th</sup> -16<sup>th</sup> 2020.
- “Cognitive Rehabilitation for Autism Children Mental Status Observation Using Virtual Reality Based Interactive Environment”, Springer, AISC 1131, pp. 1213–1218, 2020.
- “A Rehabilitation Therapy For Autism Spectrum Disorder Using Virtual Reality”, International Conference on Intelligent Information Technologies - 2017, Springer - Communication in Computer and Information Science 808, pp. 328–336, 2018.[https://doi.org/10.1007/978-981-10-7635-0\\_26](https://doi.org/10.1007/978-981-10-7635-0_26).

## **SCI Indexed Journals:**

- “Increasing the Social Interaction of Autism Child using Virtual Reality Intervention (VRI)”, ACM Transactions on Asian and Low-Resource Language Information Processing, <https://doi.org/10.1145/3592855>, 2023.
- "Autism Spectrum Disorder Treatment Through Virtual Environment: A Survey", Asian Journal of Convergence in Technology, Volume III, Issue III, SSN No.:2350-1146, Impact Factor - 2.71, April 2017.
- T.Manju, K.Suveetha, "Ensuring Confidentiality of Cloud Data Using Homomorphic Encryption", Indian Journal of Science and Technology, Volume-9, Issue-8, Feb-2016, ISSN:0974-6846.
- T.Manju, C.Santhiya, "Fault Localization for COTS Components using Dynamic Analysis Technique", International Journal Of Advanced Research In Engineering Technology & Sciences, Volume-2, Issue-2, Feb-2015, ISSN:2394-2819.
- T. Manju, A. Askarunisa and GiriBabu, “Fault Localization For Java Programs Using Probabilistic Program Dependence Graph”. IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 6, No 2, November 2011.

## Lectures Delivered

- Virtual Reality & Augmented Reality in Kalasalingam University on 25<sup>th</sup> January 2020.
- Virtual Reality and Its Applications in Thiagarajar College of Engineering, Madurai, October 2019.
- Virtual Reality and Its Applications in Thiagarajar College of Engineering, Madurai, September 2017.
- About Virtual Reality and Its Applications in Government College of Engineering, Tirunelveli, March, 2017.
- About Latex Documentation in CSIR sponsored seminar on “Clean room Software Engineering and Zero Defect Software” held at Vikram College of Engineering on 3<sup>rd</sup> October, 2012.
- About “Software Testing Tools and Projects Undergone” in KLN college of Engineering on November, 2011.

### Workshop/Seminars organized

- Two Days Workshop on "**Virtual Reality & Augmented Reality**", by IITMadras & Kewaunee Labway India Pvt.Ltd, Bangalore ., 3<sup>rd</sup>&4<sup>th</sup> September2019.
- ACM Women Chapter Sponsored Three Days Workshop on "**Heartfulness**" by Heartfulness Institute Madurai, 2018.
- One Day Workshop on "**Virtual Reality Applications in Cognitive Science**", by Kewaunee Labway India Pvt.Ltd, Bangalore .,28-09-2017.
- One Day Workshop on "**User Interface and Experience**", in Thiagarajar College of Engineering, Madurai ,31-07-2017.
- ACM Sponsored One day Inter-department Contest on "**Modern tool usage to solve complex Engineering problems**", Department of Information Technology, Thiagarajar College of Engineering, Madurai,24-08-2016.

### Faculty Development programs/Workshop/Seminars attended

- ICT organized an FDP on "**Microsoft Power BI Data Analyst Associate**" at Tagore Engineering College, Chennai, from 21<sup>st</sup> October 2024 to 25<sup>th</sup> October 2024.
- NITTT organized an PDP on "**Data Analytics with Python for Media Applications**" from 27/05/2024 to 31/05/2024.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Cyber Security in Cloud Computing Technologies**" at Sri Sai Ram Engineering College, Chennai from 30/10/2023 to 4/11/2023.
- LEAP organized an FDP on "**Product Engineering for Real -Life Problems**" held at IIT Madras Research Park, Chennai from 28-09-2022 to 30-09-2022.
- NITTTTR, Chandigarh and AICTE Sponsored FDP on "**Cyber Crime and Forensic Tools**" conducted by Information Management and Emerging Engineering Department from 23/05/2022 to 27/05/2022 at Sri Sai Ram Engineering College, Chennai.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Intelligent and Collaborative Robotics**" from 13.09.2021 to 17.09.2021 at Birla Institute of Technology & Science, Pilani, Pilani Campus.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Deep Learning for Computer Vision**" from 23.08.2021 to 27.08.2021 at Panimalar Engineering College.
- AICTE organized 5-day online FDP on "**Inculcating Universal Human values in technical education**" on 12.07.2021 to 16.07.2021.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Augmented Reality (AR)/ Virtual Reality (VR)**" from 2020-12-7 to 2020-12-11 at Kumaraguru College of Technology.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Artificial Intelligence**" from 2021-1-11 to 2021-1-15 at Amity University, Uttar Pradesh, Lucknow Campus.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Data Sciences**" from 2020-12-1 to 2020-12-5 at Meerut Institute of Engineering and Technology.
- AICTE Training and Learning (ATAL) Academy Online FDP on "**Speech Processing using Deep Learning**" from 2020-12-28 to 2021-1-1 at Indian Institute of Technology Dharwad.
- TEQIP-III Sponsored Two day Faculty Development Programme on "**Design, Develop and Deliver online courses through MOODLE platform**" on 23<sup>rd</sup>&24<sup>th</sup> April2020.
- TEQIP-III Sponsored Two week course on "**Digital Transformation in Teaching Learning Process**" from April 6<sup>th</sup> to April 22<sup>nd</sup>2020.
- One Week AICTE-QIP Short term course on "**Research Issues in Data Science** ", from 18-03-2019 to 23-03-2019.
- One Week AICTE- QIP Short term course on "**Data Science for Internet of Things**",

from 04-02-2019 to 09-03-2019.

- Two day training programme on “**ICT Tools for Effective Teaching**”, from 21-01-2019 to 22-01-2019.
- Two Days Workshop on "**Recent Trends and Research Challenges in Deep Learning**", from 30-08-2018 to 31-08-2018.
- Participated ACM Distinguished Speaker Programme on "**Privacy and Security in Online Social Media**"., on 27-07-2018.
- Two days' Workshop on “**Virtual and Augmented Reality**” organized by Department of Computer Science and Engineering, Anna University, College of Engineering, Guindy, from 27-02-2017 to 28-02-2017.
- Hands-on Workshop on “**Artificial Intelligence tools**”, from 23-01-2017 to 25-01-2017.
- One day TEQIP II Sponsored workshop on “**ICT Tools for Engineering Education**” on 09-11-2016.
- Two days Faculty Development Programme on “**Machine Learning and Internet of Things**”, on 08.05.2015 to 09.05.2015.
- Two Days Hands-On Training Programme on “**Information Security Essentials in Cloud Computing**”, from 28<sup>th</sup> to 29<sup>th</sup> March 2015.

#### **Online Certification**

- NPTEL certification on Python for Data Science, Oct 2024
- NPTEL certification on Introduction to Machine Learning, Oct 2024.
- NPTEL certification on Software Conceptual Design, Oct 2023.
- Azure Fundamentals certified by Microsoft, 2022.
- Eight Modules: Teaching Learning Process certified by AICTE – National Initiative for Technical Teachers Training (NITTT), 2022