

Name : Mrs.T.Manju	Photo 
Designation:	AP/II
Qualification :	M.E, (Ph.D).,
Area of Specialization :	Computer Science Engineering
Experience :	Teaching : 13 Yrs. 6 months UG: - 13 Yrs 6 months. PG: - 5 Yrs. 6 months Industry : Nil
No. of workshop / Conferences / FDP attended :	20
Publication :	Journal National : 1 International : 4 Conference National : NIL International : - 13
Research Guidance : -	Not Yet
Membership:	ACM, IEEE
Achievements:	<ul style="list-style-type: none"> • Wipro Certified Faculty in Java Full Stack Development • Wipro Certified Faculty in Cloud Computing • Microsoft Power BI Data Analyst • One month internship in Nanyang Technological University, Singapore. • Received DST- CSRI Sponsored project worth Rs.34 lakhs. • Presented a paper in IIT Kanpur and is published in Book of abstracts.

AREA OF INTEREST

- Virtual Reality and Augmented Reality
- Computer Vision
- Artificial Intelligence

EDUCATION

2017	PhD. , Thesis Submitted (Social Rehabilitation using Virtual Reality Therapy) <ul style="list-style-type: none"> • Anna University
2010-12	M.E. , Computer Science and Engineering <ul style="list-style-type: none"> • Thiagarajar college of Engineering, Madurai • CGPA: 8.5

	<ul style="list-style-type: none"> • Published PG Project in IJSCI (Annexure – II)
2006-10	B.E., Computer Science and Engineering <ul style="list-style-type: none"> • Vins Christian college of Engineering, Nagercoil • Percentage: 79
2004-06	Higher Secondary <ul style="list-style-type: none"> • Sacred Heart Matriculation Higher Secondary School, Padanthalumoodu • Maths-Biology • Secured 74 %
2004	SSLC <ul style="list-style-type: none"> • Sacred Heart Matriculation Higher Secondary School, Padanthalumoodu • Secured 80%

EXPERIENCE DETAILS

Sri Sairam Engineering college, Chennai

Experience : September 2021 – till date
 Designation : Assistant Professor, Department of Information Technology
 Area of teaching : Problem solving using C, Human Computer Interaction, Computer Vision

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, Integrated Programming Laboratory, 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, Object oriented Programming

Vickram College of Engineering, Enathi, Sivagangai

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

- “Development of Dynamic Traffic Control Based on Congestion Level Using IoT”, International Conference on Computing and Communication Technologies (ICCCT), April 2025.
- “IoT–Driven Optimized Coal Transportation”, International Conference on Computing and Communication Technologies (ICCCT), April 2025.
- “INDOOR NAVIGATION SYSTEM USING AR”, International Conference on Computing and Communication Technologies (ICCCT), April 2025.
- “Medicament Medico-Drug Tidings and Doctor Consultation Forum using Data Analysis with Machine Learning Algorithm”, International Conference on Power, Energy, Control and Transmission Systems, October 2024.
- “Fish Farm Management System”, International Conference on Communication, Computing and Internet of Things, 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), Nov 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.
- “VR Based Underwater Museum of Andaman and Nicobar Islands”, International Conference on Information and Communication Technology for Intelligent Systems, May 2020, pp. 627-632, Springer Nature Singapore.
- “MIVRA (Mental Immersion in Virtual Reality Avatar) – Social communication rehabilitation Assistive tool for Autism children”, International conference on innovations in Information and communication Technologies, 18th-19th 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 6th - 8th, 2017.

SCOPUS INDEXED BOOK CHAPTERS

- “VR Based Underwater Museum of Andaman and Nicobar Islands”, International Conference on Information and Communication Technology for Intelligent Systems, May 2020, pp. 627-632, Springer Nature Singapore.
- “Cognitive rehabilitation for autism children mental status observation using virtual reality based interactive environment”, International Conference on Intelligent Human Systems Integration, pp. 1213-1218, Springer International Publishing, Jan 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.

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, 2023.
- "Autism Spectrum Disorder Treatment Through Virtual Environment: A Survey", Asian Journal of Convergence in Technology, Volume III, Issue III, ISSN 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.

PATENTS:

- 202541009398 - "On-the-Go technology for electric vehicles to maintain battery reserve", Published on 14th February 2025.
- 202441076807 - "Gesture Based Control Method for Online Meeting Forums and Smart Equipment", published on 25th October 2024.
- 202341057746 - "An IoT System for Sitting Posture Detection Using Ultrasonic Sensor and Web Application", published on 08th September 2023.

LECTURES DELIVERED:

- Virtual Reality & Augmented Reality in Kalasalingam University on 25th 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 Vickram College of Engineering on 3rd October, 2012.
- About "Software Testing Tools and Projects Undergone" in KLN college of Engineering on November, 2011.

FDP'S AND WORKSHOPS ORGANIZED

- Virtual Reality & Augmented Reality in Thiagarajar college of Engineering in collaboration with **IIT Madras and Kewaunee Solutions**, Bangalore, Sep 2019.
- One credit course on "Augmented Reality" in Thiagarajar college of Engineering in tie-up with **CDAC** in 2018 and 2019.
- Virtual Reality Applications in Thiagarajar college of Engineering in collaboration with Kewaunee Solutions, Bangalore, Aug 2017

FACULTY DEVELOPMENT PROGRAMS/WORKSHOP/SEMINARS ATTENDED

- ICT organized an FDP on "Microsoft Power BI Data Analyst Associate" at Tagore Engineering College, Chennai, from 21st October 2024 to 25th October 2024.
- NITTT organized an PDP on "Data Analytics with Python for Media Applications" from 27/05/2024 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.
- IITM Incubation cell and LEAP organized a FDP on “**Product Engineering for Real-Life Problems**”, from 28-09-2022 to 30-09-2022 at IIT Madras Research Park, Chennai.
- National Institute of Technical Teachers Training and Research, Chandigarh organized an Online FDP on “**Cybercrime and Forensic Tools**”, from 23/07/2022 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 23rd&24th April 2020.
- TEQIP-III Sponsored Two week course on **Digital Transformation in Teaching Learning Process** from April 6th to April 22nd 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 28th to 29th March 2015.

PROFESSIONAL SOCIETY MEMBERSHIP

- Life time Member of Association of Computing Machinery (ACM) chapter.
- Professional Senior Member of Institute of Electrical and Electronics Engineers (IEEE)