



Objective

Dedicated, enthusiastic individual with outstanding academic, communication, organizational and people skills. With 10+years of teaching experience and a passion for teaching, searching for a professor position at Computer Science Engineering department.

Career summary

- **Competitive Assistant professor having 10+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 Sairam 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

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**

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.**

Academic Profile

- **Ph.D. (Pursuing)** **2017**
Anna University, Chennai
- **M.E.(Computer Science and Engineering)** **2010-2012**
Thiagarajar college of Engineering, Madurai
CGPA 8.5
- **B.E. (Computer Science and Engineering)** **2006-2010**
Vins Christian college of Engineering
79%, First class with distinction
- **Higher Secondary Examination** **2004 - 2006**
Sacred Heart Matriculation Higher Secondary School
68%, First class
- **SSLC Board Examination** **2004**
Sacred Heart Matriculation Higher Secondary School
73%, First class

Sponsored Research

- Received Rs.33,78,800/- worth project from **Department of Science & Technology** in Cognitive Science Research Initiative Scheme in the year 2017 for "Virtual reality based treatment for Autism spectrum Disorder to enhance social skills", Order No.DST/2017/307

Sponsored International Visit

- One month Visiting Faculty from November 2019 to December 2019 in **Nanyang Technological University (NTU), Singapore.**

Publications

Conferences:

- "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 under Water Museum of Andaman and Nicobar Islands", Fourth International Conference on Information and communication Technology for Intelligent Systems, May 15th -16th 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.

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 IIII, 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 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 Vikram College of Engineering on 3rd October,2012.
- About "Software Testing Tools and Projects Undergone" in KLN college of Engineering on November,2011.

Personal Skills

- **Good Researcher**
- **Quick learner of new concepts & adaptable to them.**
- **Able to guide projects and produce good publications**
- **Able to be a good mentor to motivate the students to make them perform well.**
- **Able to work in team and to organize events**
- **Being project coordinator and time table in-charge in previous institution**

Area of interest

- **Artificial Intelligence**
- **Computer Vision**
- **Virtual Reality & Its Advancements**

Conferences attended

- 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.
- A rehabilitation therapy for autism spectrum disorder using virtual reality, in the 2nd International conference on Intelligent Information Technologies (ICIIT-2017) at Anna University, Guindy, Chennai during December 20th - 22nd 2017.

Workshop/Seminars organized

- Two Days Workshop on "**Virtual Reality & Augmented Reality**", by IITMadras & Kewaunee Labway India Pvt.Ltd, Bangalore ., 3rd&4th September 2019.
- 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

- 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.
- NITTTR, 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 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.

Online Certification

- **Azure Fundamentals certified by Microsoft.**
- **First Seven Modules: Teaching Learning Process certified by AICTE – National Initiative for Technical Teachers Training.**

Professional Society Membership

- **Life time Member of Association of Computing Machinery (ACM) chapter.**
- **Professional IEEE Member**

Personal Profile

Spouse's name : B.Magesh

Date of birth : 27.08.1988

Nationality : Indian

Sex : Female

Marital status : Married

Languages Known : Reading /Writing: English, Tamil
Speaking : English, Tamil, and Malayalam.

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tvmanju27@gmail.com

Declaration

I hereby declare that all the statements made in this application are true to the best of my knowledge and belief.

Place : Chennai
Date : 02.05.2023

[T.MANJU]