FACULTY PROFILE

Name	: Mr. M.R.VINODH
Designatoion	: Assistant Professor
Department	: Computer Science
Affiliation	: Mar Ivanios College (Autonomous)
Total Years of Experience	:15 years

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TC 10\149, New Mankaram, Kairali Nagar, Mannanthala, Thiruvananthapuram, Kerala.

Education

- Pursuing **Ph.D** from SRM Institute of Science and technology, Chennai.
- **M.E.(Computer Science and Engineering)**, Anna University, Chennai.
- **M.Phil** in **Computer Science**, Vinayaka Missions University, Salem.
- **MCA,** Anna University, Chennai.
- **BCA,** Manonmaniam Sundaranar University, Tirunelveli

Work Experience

- Worked as an **Assistant Professor,** Department of Computer Science in **SRM Institute of Science and Technology**, Chennai, from **August 2012 to October 2020.**
- Worked as an **Assistant Professor,** Department of Computer Applications in **Vins Christian College of Engineering**, Chunkankadai, Nagercoil from **August 2008** to **July 2012.**

Courses Handled:

- Advanced Machine Learning Algorithms
- Machine Learning Model Management
- Ruby on Rails
- Lua Programming

- Web Technology
- Data Mining & Warehousing
- C, C++, Java
- Advanced Java Programming
- Game Programming
- Artificial Intelligence
- Mobile Application Development
- Object Oriented Analysis & Design
- Go Programming
- Node js & Mongo DB
- Digital Marketing Analytics
- Deep Learning
- Computer Graphics

Research Interests:

Data Mining, AI and Machine Learning

Selected Publications:

1. "**Lorentzian Estimation For Rician De-Noising in MRI Images**" for *International Journal of Advance Engineering and Research Development*, Volume 5, Issue 2, Feb 2018.

2. "**Color Image Denoising Using Fuzzy Peer Groups & Robust Estimation**" for *International Journal of Creative research Thoughts, Volume 6, Issue 1, February 2018.*

3. "*A survey on Intelligent Machine Learning Algorithms, Concepts and Techniques",* for *International Journal of Emerging technologies and Innovative Research, June 2019*

4. "**Dissect Monograph Methods and Applications of Machine Learning in Mental Health**", *for International Journal of Emerging technologies and Innovative Research, June 2019*

5. "**Perspective Analysis of Dyslexia Detection among Children's using Paradigms of Machine Learning and Artificial Intelligence**" for *Journal of Advanced Research in Dynamical and Control Systems*, August 2020.

Working Papers:

Deep Adaptive Intuitionistic Fuzzy Classifier

Work in Progress

Feature Selection for Effective Dyslexia Prediction using Density Peak Clustering

Papers Presented :

- Presented a paper on "*Evaluating Temporal Robustness of Mobile Computing*", *National Conference on Information and Computer Engineering*, organized by Sree Sowdambika College of Engineering, Arupuppukottai, April 2015.

- Presented a paper on *"Disquisition on Advanced Machine Learning Algorithms used in Dyslexia Prediction", National Conference of Inventive System and Control Technologies* organized by Arasu Engineering College, Kumbakonam on 06/04/2022 and 07/04/2022.

- Presented a paper on "*Impact of Covid-19 Pandemic among Dyslexic students and their Educational Challenges", International Conference on Emerging Trends in Science, Technology and Applications*, organized by Sree Sakthi Engineering College, Coimbatore on 27th and 28th May 2022.

Posters Presented:

- Presented Poster "*Monographic Methods and Applications of Machine Learning*" organized by *Dr.Paarivendhar Research Colloquium*, 23rd to 25th Sep -2019, SRM Institute of Science and Technology, Chennai.

- Submitted a model and presented a Poster organized by *SRM Centre of Excellence in IOT, SRM Smart Campus-2020* in the title "*Intelligent Vehicle Monitoring System For SRM Smart Campus*", on 11th March 2020, SRM Institute of Science and Technology, Chennai.

Conferences/Seminars/Workshops Attended:

- National Level Workshop on '*Mobile Application Development Using Andriod (MADUA '14), IEEE students chapter*, SRM University, 2014
- National Level workshop on '**Cyber Security'**, SRM University, 2014
- National Level workshop on '*How to write research articles for scientific journals and Ph.D. Thesis on Computational Engineering'*, SRM Institute of Science and Technology, Chennai, September 2019
- National Level workshop on "*Programming with Python"*, Madurai Sivakasi Nadars Pioneer Meenakshi Womens College, Madurai, February 2020.
- *Faculty Development Program on "Moodle Learning Management System"*, SRM Institute of Science and Technology, Ramapuram, May 2020
- Webinar on "*Data Science*", Baktavatsalam Memorial College for Women, Chennai, May 2020
- *Object tracking using Machine learning and Python*, a webinar by Pantech Learning, Chennai, May 2020
- *Faculty Development Program on "Machine Learning"*, Gurunanak College, Chennai, May 2020
- Webinar on *"Research Methodology and Cloud Computing"* Sri Meenakshi Vidiyal Arts and Science College, Trichy, May 2020.
- Webinar on *"Agile Methodology"*, Sri Eshwar College of Engineering, Coimbatore, June 2020
- Webinar on "*Data Visualization towards Data Science*", Francis Xavier Engineering College, Tirunelveli, June 2020
- Webinar on *"Machine Learning and its Applications using Python"* Madanapalle Institute of Technology and Science, Andhra Pradesh, July 2020.
- *Faculty Development Program on "Recent Trends in Research"* SRM Institute of Science & Technology,Vadapalani,Chennai, February 2022.
- *Five days Faculty Development Program on "Research Methodology and Data Analysis"*, St.Joseph's College(arts & Science), Chennai, April 2022.
- *Industrial training on "Internet of Things", CTS Chennai,* August 2019.

Events Organized

- Webinar on "*An Introduction to Machine Learning and its Applications*", Mar Ivanios College (Autonomous), Thiruvananthapuram.
- Workshop on *"Full stack development"*, SRM Institute of Science and Technology, Chennai.

- *"Front End Web Development* - Hands on Workshop", SRM Institute of Science and Technology, Chennai.
- *"Instructor- LED Training on Bootstrap 4"*, SRM Institute of Science and Technology, Chennai.
- *"Tech Talk on Cyber Security",* SRM Institute of Science and Technology, Chennai.

PROJECT EXPERIENCE:

- *Vehicle Number Plate Detection Using Deep Learning*