

## FACULTY DETAILS



No. 6/1007, Kolathur Road,  
Mambakkam - 600 127.

### **CHITRA S**

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[https://scholar.google.com/citations?hl=en&view\\_op=list\\_works&gmla=AH8HC4xoMEAMk12h10mFuYuPA8sUNijym2VO5hDtmWsAE75u0JRG-hzSOHkk5aj18Rj8zQ-4SpSXowKgXZZE8pp8EF1-qdkkCaTNg2nNkU&user=Z\\_3x7ycAAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AH8HC4xoMEAMk12h10mFuYuPA8sUNijym2VO5hDtmWsAE75u0JRG-hzSOHkk5aj18Rj8zQ-4SpSXowKgXZZE8pp8EF1-qdkkCaTNg2nNkU&user=Z_3x7ycAAAAJ)

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### **OBJECTIVE:**

To enhance my lecturer career at a highly-reputed and eminent educational institute and to gain exceptional career move ahead through long efforts and performance regularity.

### **EDUCATIONAL QUALIFICATION:**

- M.E.-VLSI Design in Sri Ramanujar Engineering College, Chennai affiliated to Anna University with CGPA 7.75 in 2014.
- B.E.-Electronics and Communication Engineering in Government College of Engineering, Tirunelveli affiliated to Anna University with 72% aggregate in 2005.

### **WORKING EXPERIENCE:**

- 11 years experience as Assistant Professor in Prince Shri Venkateshwara Padmavathy Engineering from 20.08.2014 till now.
- 2 years experience as Lecturer in Raja College of Engineering and Technology from 11.08.2010 to 25.05.2012.

### **PROFESSIONAL INFORMATION:**

#### **FDP:**

1. Participated in Five days Online National Level FDP on “PCB Design”, Vidya Vikas Institute of Engineering and Technology, 29.06.2020-03.07.2020
2. Participated in Six days Online National Level FDP on “Control Engineering in Electric Vehicles, SRM TRP Engineering College, 07.02.2022-12.02.2022.

3. Attended Faculty Development Program on “Implementation of NEP-2020 for university”, IGNOU University, 18.11.2022-26.11.2022
4. Attended Faculty Development Program on “Future Generation Communication and Networking”, Jerusalem College of Engineering, 02.01.2023 - 07.01.2023
5. Attended Faculty Development Program on “Data science Specialization using Python”, Novi Tech, 10.07.2023 - 14.07-2023
6. Participated in Six days Online FDP on “Artificial Intelligence’s Impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical Fields”, 05.08.2024-10.08.2024.
7. Attended course on “Embedded Systems & IOT”, Shakra Innovations, 9.7.2024-7.11.2024
8. Attended FDP on Artificial Intelligence Edge – Soft Computing, AICTE Training And Learning (ATAL) Academy at Dr. Sivanthi Aditanar College of Engineering, 09.12.2024 - 14.12.2024
9. Attended Faculty Development Program on “AI and Quantum Computing: Glimpsing the Near Future”, AICTE Training And Learning (ATAL) Academy at Sri Sairam Engineering College, 20.01.2025 - 25.01.2025

### **NPTEL CERTIFICATIONS:**

- NPTEL – Certification in Signals and Systems – 12 week course by IIT, Kanpur (Jan-Apr 2018)
- NPTEL – Elite Certification in Digital Circuits – 12 week course by IIT Kharagpur (Jul-Oct 2022)

### **CONFERENCES:**

1. J.Melvin Jones, Ravi Gorli, S Chitra, S. Lakshmisridevi, Harishchander Anandaram, P.Ashok, “Quantum Cascade Lasers in Infra-red Absorption Spectroscopy”, The 2023 IEEE 11th International Conference on Systems and Control (ICSC'23), December 2023 DOI: [10.1109/ICSC60394.2023.10441328](https://doi.org/10.1109/ICSC60394.2023.10441328)
2. P Ashok, F Ravindaran, Soundara Rajan C, N Janaki, S Chitra, Harishchander Anandaram, Performance Analysis of Two-Way Relay in Free Space Optics Systems, 2024 International Conference on Integrated Circuits and Communication Systems (ICICACS), February 2024
3. Jatin Khurana, Chira S, Shivam Khurana, et al “Comparison of Image Quality Estimation Methods for JPEG Compression, 15<sup>th</sup> International Conference on Computing Communication

and Networking Technologies (ICCCNT), June 2024. DOI: <https://doi.org/10.1109/ICCCNT61001.2024.10724380>

4. Saif O. Husain, Amandeep Kaur, Chitra S, Vivek Sharma, Marupova Manzura Aminovna, Rajesh G, Cancer Genomics: Identifying Biomarkers for Early Detection and Treatment, IEEE International Conference on Computing Communication and Signal Processing (IICCCS), September 2024. DOI: <https://doi.org/10.1109/IICCCS61609.2024.10763749>
5. D.B. Hulwan, Chitra S, Arun Chokkalingan, et al “AI-Based Fault Detection and Predictive Maintenance in Wind Power Conversion Systems”, E3S Web of Conferences Vol. 591, 02003, ICRERA 2024. DOI: <https://doi.org/10.1051/e3sconf/202459102003>
6. Shobhit Goyal, Dimple Bahri, Y.V. Dongre, T. Kuppuraj, Mithhil Arora, S Chitra, “An Analysis of Transform Coding Techniques in Image and Video Compression”, ICCNT, June 2024, DOI: <https://doi.org/10.1109/ICCCNT61001.2024.10726245>
7. KK Nithiyantham, K Venusamy, P Ashok, MJM Hussain, S Chitra, H Anandaram “Crop Health Monitoring for Precision Agriculture Using IoT-Based Sensors in Drones, The International Conference on Recent Innovations in Computing, Oct 24
8. Mahalle, Parikshit & Lohani, Manoj & Hemelatha, S. & Sharma, Divya & S, Chitra & Jayakumar, Sujayaraj. (2024). Converter Networks for Multi-Scale Tokens-Aware Multi-Region and Multi-Sequence MR-to-CT Synthesis in a Single Model. 1-7. 10.1109/GCCIT63234.2024.10862644.
9. G. Ravivarman, M. Taneja, C. S, S. Goyal, S. R and L. A. Deshpande, "Artificial Intelligence-Enabled Data Forecasting Methodology for Smart Transportation System," 2024 Global Conference on Communications and Information Technologies (GCCIT), Bangalore, India, 2024, pp. 1-9, DOI: 10.1109/GCCIT63234.2024.10862976.
10. S. Ghosal, S. Habbu, C. S, R. Kumar, N. Thangarasu and Y. Parmar, "Neural network approaches for enhancing near-field wireless power transfer," 2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP), Bhopal, India, 2024, pp. 1-6, DOI: 10.1109/IHCSP63227.2024.10960154

### **MEMBERSHIP:**

Life time membership in Indian Society for Technical Education (M.No: LM 127220)