



**Name:**

**S. Rajesh Kumar**

<b>Designation:</b>	Assitant Professor / CSE(AI & ML)	
<b>Area of specialization:</b>	Algorithm Analysis, Theory of Computation, Compiler Design, Complexity Theory, Data Structures, Artificial Intelligence, Machine Learning, Deep Learning.	
<b>Experience :</b> (As on May 2024)	<b>Industrial Experience</b>	<b>Teaching Experience</b>
	7	8
<b>Number of workshop / FDP attended:</b>	Number of Workshop	Number of FDP
	7	9
<b>Professional Body Membership:</b>	Annual member, Institute of Electrical and Electronics Engineers (IEEE)	

**Paper presentation at National and International level:**

1. Presented technical paper titled “Model Selection using Bayesian Information Criterion for Continuous Speech Recognition” in NCSCV’09, **National Conference on Signal Processing Communications and VLSI design held at Anna University, Jothipuram, Coimbatore-641047, pp.468-478, on 8<sup>th</sup> and 9<sup>th</sup> may 2009.**

2. Presented technical paper titled “Recommendation for custom Product using K-Means Clustering in Probabilistic Relevance Model” in NCCCT’11, **National Conference on Computer and Communication Technologies held at DMI College of Engineering.**

3. Presented technical paper titled “Comparing the Performance of Single and

Multi-hop WLAN in Household Environment” in NCCCT’11, **National Conference on Computer and Communication Technologies** held at **DMI College of Engineering**.

4. Participated in the 11<sup>th</sup> Annual Conference on **Theory and Application of Models of Computation [TAMC 2014]** held between 11 – 13 April 2014 at Anna University, Chennai, India.

### **Guest Lectures and Seminar Presentations:**

1. Delivered 2 days Crash Course on **Artificial Intelligence** at **GRT Institute of Engineering & Technology** on MARCH’14.
2. Guest Lecture given under **UNDECIDABILITY** concepts in “**Theory of Computation**” at Jeppiaar institute of technology on August’14.
3. Delivered 1 day Crash Course on **PYTHON for All** at Velammal Institute of Engineering and Technology on December’15.
4. Delivered 1 day Crash Course on **RUN-TIME ENVIRONMENT AND CODE GENERATION** at Velammal Institute of Engineering and Technology on March’16.
5. Conducted 1 day workshop on **PYTHON Programming** at Velammal Institute of Engineering and Technology on March’16.
6. Guest Lecture given under **Turing Machine** concepts in “**Theory of Computation**” at Jeppiaar institute of technology on August’16.
7. Delivered 1 day Crash Course on “**Compiler Code Generation & Optimization**” *Unit-IV & Unit-V* at **GRT Institute of Engineering & Technology** on March’17.

### **Workshop Details:**

1. “Workshop on **Automatic Speech Recognition**” at SSN College of Engineering.
2. “Workshop on **Introduction to ROBOTICS**” at Saveetha School of Engineering, Saveetha University.
3. “Workshop on **C# and .NET**” at SSN College of Engineering.
4. “Workshop on **MATLAB PROGRAMMING**” at MIT Campus, June’12.
5. “Workshop on **Database Technology**” at SSN College of Engineering.
6. One Day Seminar on “**Free Software, Freedom and Education**”- Talk by *Dr.Richard Stallman*.
7. Two-Weeks ISTE Workshop on **Pedagogy for Effective use of ICT in Engineering Education** Conducted by **Indian Institute of Technology, Bombay** From 12<sup>th</sup> JUNE to 2<sup>nd</sup> August, 2014

### **FDP Details:**

1. **FDP on CS2303- Theory of Computation** at College of engineering(Anna University), June’10.
2. **FDP on SIMULATION TOOLS (NS-2, PSpice )** at Saveetha School of Engineering, Saveetha University, November’10.
3. **FDP on CS2352- Principles of Compiler Design** at MIT, December’10.
4. **FDP on CS2303- Theory of Computation** at MIT, May’11.
5. **FDP on CS2352- Principles of Compiler Design** at MIT, December’11.
6. **FDP on CS2406- Open Source Lab** at Aalim Muhammed Salegh College of Engineering, June’12.

7. **FDP on Free Open Source Software [FOSS]** at Valliammai Engineering College, June'12.
8. **FDP on CS2251-** Design and Analysis of Algorithms at College of engineering (Anna University), December'12.
9. **FDP on CS2351-** Artificial Intelligence at Vel Tech Hi-tech engineering College, December'13
10. **FDP on “Generative AI and Advanced Tools for Academic Research”**, September'2024