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Designation : Assistant Professor
Department : Information Technology
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1. Personal Details:

Date of Birth and Age : 04.01.1988 & 36
Gender : FEMALE
Marital Status : Married
Nationality : Indian

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the School/College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.E.,	Computer Science and Engineering	2009	P.S.R. Engineering College	Anna University Chennai	71 %	FIRST
PG	M.E.,	Computer Communication	2011	Sri Sairam Engineering College	Anna University Chennai	7.6 CGPA	FIRST

Professional Experience:

Name of the College/Institute	Designation	Period	Experience
National Engineering College	Assistant Professor	09.01.2023 Onwards	
P.S.R. Engineering College	Assistant Professor	Jun'2011 to Jan' 2013	1 Y 6 M

Date of joining in Present Institution : 09.01.2023
Present status : Assistant Professor

Subjects Taught:

UG:

1. Computer Organization and Architecture
2. Network Programming Management
3. Cyber Forensics and Ethical Hacking
4. Problem Solving Techniques in C
5. Internet and Web Technology
6. Object Oriented Programming using C++
7. Software Engineering
8. Artificial Intelligence
9. Mobile Application Development

2. Academic Achievements:

FDP / Short term Courses / Seminars / Workshops / NPTEL Attended:

S No	Title	Programme	Date	Venue
1.	Introduction to NVIDIA AI Frameworks and Applications	FDP	23.02.2026 to 28.02.2026	Online
2.	Data Analytics with Python	NPTEL	Jan-Apr 2026	Online
3.	Deep Learning	NPTEL	Jul-Oct 2025	Online
4.	Introduction to Machine Learning	NPTEL	Jan-Apr 2025	Online
5.	Predictive Analytics – Regression and Classification	NPTEL	Jan-Apr 2025	Online
6.	Faculty Hackathon, Conducted by Centre for Staff Development(CSD) .	Workshop	March 14, 2025	KPR Institute of Engineering and Technology, Coimbatore.
7.	Research Problems, Recent Trends and Future Perspectives of Artificial Intelligence in Image Processing- Tools, Techniques and applications: An industry Perspective	FDP	06/01/2025 to 11/01/2025.	Cambridge Institute Of Technology, Bengaluru.
8.	Deep learning	FDP	1 Month 03.08.2024 to 03.09.2024	Online
9.	Software Engineering	NPTEL	Jul-Oct 2024	Online
10.	Instructional Design and Delivery Systems	FDP	16.05.2024 to 18.05.2024	National Engineering College, Kovilpatti.
11.	Python for Data Science	NPTEL	Jan-Feb 2024 (4weeks)	Online
12.	Cloud Practitioner (AWS)	FDP	26.12.2023 to 30.12.2023	National Engineering College, Kovilpatti.
13.	Unleashing the Power of Data Science for Industry 4.0	FDP	11.12.2023 to 16.12.2023	SRM Institute of Science and Technology Ramapuram Campus, Chennai.
14.	Matlab& Simulink Programming	FDP	23 rd & 24 th Nov 2023	National Engineering College, Kovilpatti.
15.	Design Thinking - A Primer	NPTEL Online Certification	Sep 2023 (4weeks)	Online
16.	Data Analysis With Python	FDP	24 th -28 th July 2023	Online EduLakes Solutions LLP In Association with National Service Scheme (NSS) - IIT Roorkee
17.	Problem Solving Techniques in C	NPTEL Online Certification	Jan – Apr 2023 (12weeks)	Online
18.	Artificial Intelligence and Machine Learning	FDP	06.02.2023 to 11.02.2023	Online National Engineering College, Kovilpatti.

3. Publications:

Journal publications

International Journals : 3
 International Conference : 3
 National Conference : 2

a. International Journals : 3

S No	Title of the Paper	Authors	Journal	Volume, Pages Year
1	RoadNetX: A Unified Deep Learning Pipeline for Enhanced Roadconnectivity and Segmentation	Suguna.R	IEEE	ISBN:979-8-3315-9103-8
2	Smart Water and Light Control System for Greenhouses	Suguna.R	IEEE	ISBN:979-8-3315-3243-7
3	Enhancing Lung Cancer Prediction Using Alexnet	Suguna.R	IEEE	Vol 1, Issue 3, May 2024, Pg.no: 650 -655 (ISBN: 979-8-3503-7274-8)

b. International Conference : 3

S No	Title of the Paper	Authors	Conference	Venue	Year
1	RoadNetX: A Unified Deep Learning Pipeline for Enhanced Road Connectivity and Segmentation	Suguna R	2025 International Conference on Intelligent Innovations in Engineering and Technology (ICIET)	PSG College of Engineering, Coimbatore	Dec 2025
2	Smart Water and Light Control System for Greenhouses	Suguna.R	International Conference on Automation, Computing and Renewable Systems (ICACRS)	MOUNT ZION College of Engineering and Technology	Dec 2024
3	Enhancing Lung Cancer Prediction Using Alexnet	Suguna.R	International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	KPR Institute of Engineering and Technology, Coimbatore	Apr 2024

c. National Conference : 2

S No	Title of the Paper	Authors	Conference	Venue	Year
1	Improving the Performance Of TCP Using Window Adjustment Procedure And Bandwidth Estimation	Suguna R , Dr. R. Sheela	National Conference on ICOM'11	Anna University of Technology, Tiruchirappalli	April 2011
2	Congestion Control in the Network Using Bandwidth Estimation	Suguna R ,Dr. R. Sheela	National Conference on Recent Trends in Information Technology & Communication(NCRTIC'11)	Velammal Engineering College, Madurai.	March 2011