



## **Smitha C S**

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Department of CSE,  
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### ***Academic Details***

PhD\* in Computer Science & Engineering, Annamalai University(\*doing)  
MTech Computer Science & Engineering, College of Engineering Trivandrum, University of Kerala, 2014  
BTech Computer Science & Engineering, Cochin University of Science & Technology, 2001

### ***Research Interests***

Machine Learning, Artificial Intelligence, Artificial Neural Networks, Deep Learning, Image Processing

### ***Experience***

Assistant Professor in CSE, College of Engineering Perumon under Cooperative Academy of Professional Education (CAPE), established by Govt. of Kerala from 20.10.2022-till date.  
Assistant Professor in CSE, College of Engineering Muttathara (2016 to 2022)  
Assistant Professor in CSE, College of Engineering Perumon (2005 to 2016)  
Lecturer in CSE, College of Engineering Thalassery (2003 to 2005)  
Lecturer in CSE, College of Engineering Trivandrum (2002 to 2003)

### ***Research Projects***

Student Project - Intelligent Video Surveillance System, Rs.10000 sanctioned by KSCSTE in 2021  
RSM Project – LSG:A Regression based approach to automate LaTeX slides generation for technical articles , granted by TEQIP-II, CEPerumon in 2015  
RSM Project – Secure Deduplication with efficient and reliable key management, granted by TEQIP-II, CEPerumon in 2015

### ***Achievements***

Best paper award for the paper “Computational transcription factor binding prediction using random forests” presented at International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT 2014) held at Noorul Islam Centre for Higher Education on 10<sup>th</sup> and 11<sup>th</sup> July 2014

### ***Publications***

1. “Review on Pattern based Modelling Techniques”, International Journal of Computer

- Applications (IJCA) 132(15):1-5, December 2015, doi 10.5120/ijca2015907653
2. “A Comparison on Techniques for Automatic Generation of Presentation Slides”, International Journal of Computer Applications 131(17):1-6, December 2015, doi 10.5120/ijca2015907646
  3. Protecting Outsourced Data in Cloud Using Deduplication and Enhancing Key Management, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 2, February 2016
  4. Support Vector Machine based Prediction of Transcription Factor Binding”, International Journal of Engineering Research and Technology (IJERT), ISSN:2278-0181, Vol.10, Issue 03, March 2021
  5. “Computational Approaches for Transcription Factor Binding Prediction”, International Journal of Computer Applications (IJCA), ISBN: 973-93-80881- 81-6, Volume 94 – Number 11, May 2014
  6. “Computational transcription factor binding prediction using random forests”, ICCICCT 2014, Publisher: IEEE, DOI:10.1109/ICCICCT.2014.6993028

### ***Major Responsibilities Held***

Class Tutor of various batches  
CSE Department Association staff in charge  
Presiding officer, Student Union Election  
Member-IQAC

### ***Training Programmes / FDPs / Short Term Courses Coordinated***

Coordinator of AICTE-ISTE One week Refresher Programme on Deep Learning from 10<sup>th</sup> to 15<sup>th</sup> December 2018  
Coordinator of Recent trends in Satellite and Medical Imaging from 11.07.2016 to 15.07.2016

### ***Training Programmes / FDPs / Short Term Courses Attended***

6 days STTP on Artificial intelligence & applications conducted by Marian College from 29<sup>th</sup> Aug to 3<sup>rd</sup> September 2022  
FDP on Cybersecurity and block chain technology conducted by College of Engineering Perumon from 18-23 January 2021  
AICTE sponsored 5 day STTP on Big Data in IOT organized by College of Engg Karunagappally from 8-12 February 2021  
International Webinar on Artificial intelligence and its global applications organized by University of Kerala from 15.3.2021 to 20.03.2021

### ***Membership in Professional Societies***

ISTE Life Member