

Dr. Kiran Kumar T.M

Assistant Professor, Dept of CSE , SIT

Contact: 9844379612

Email: tmkiran@sit.ac.in

Vidwan ID: **91107**

Scopus ID: **47861261800**

Orcid ID: **0000-0003-2851-812X**

Faculty ID: **MCA005**

Education

	Degree	Year	Institute	Specialization
1	Ph.D	2020	Visvesvaraya Technological University	Soft Computing Techniques For Software Effort Estimation
2	M.Phil.	2008	Madurai Kamaraj University	CSE
3	M.C.A	1998	Siddaganga Institute Of Technology, Tumkur	CSE
4	B.Sc	1995	Siddaganga degree college of science and commerce	PCM

Professional Experience

	Date (from-to)	Designation	Organization
1	28-01-2008 to till Date	Assistant Professor	Siddaganga Institute of Technology, Tumkur
2	13-10-2007 to 27-01-2008	Sr. Lecturer	Siddaganga Institute of Technology, Tumkur
3	02-11-2000 to 13-10-2007	Lecturer	Siddaganga Institute of Technology, Tumkur

Positions held

- Member of Academic council of SIT(2024-2027)
- Internal Auditor
- Member for BOE & BOS
- Timetable coordinator
- Test coordinator
- NBA coordinator
- NAAC Coordinator

- Major/ Mini project coordinator

Corporate Training

- Freelance Corporate trainer for nine years for WIPRO for the subjects like Software Engineering Process, Testing Concepts and Methodologies, Web Testing
- Freelance Corporate trainer for two years for DELL for the subjects like Application Life Cycle
- Corporate trainer for Brillio for the subject Software Development Life Cycle

Courses Taught

Undergraduate Courses

- Software Engineering
- Software Testing
- Cloud Computing
- Data Mining and Visualization
- Business Intelligence and Analytics
- Big Data
- Soft Skills
- Software Project Management
- Innovation and Design Thinking
- Management Information Systems
- Social Network Analysis

Postgraduate Courses

- Software Engineering
- Social Network Analysis
- Text Social Media and Web Analytics
- Digital Marketing
- Multimedia and Communication
- Software Testing
- Multimedia Communication
- Digital Electronics
- Digital Image Processing
- Software Project Management
- Professional Communication and Ethics

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1	Ashok B. P	An Approach and Analysis on Demand Services Using Block Chain and Deep Learning In Cloud Security System	Pursuing
2	Pushpavathi. K	Evaluating Efficient Algorithms for Human Recognition Based On Multimodal Physiological Biometric Traits	Pursuing

Research Areas

- Soft Computing Techniques for Software Effort Estimation
- Cloud computing
- Artificial Intelligence, Machine Learning, Deep Learning

Publications

Journals

- An Interpretation and Implementation of Chatbot Using Dialog Flow for an Education Domain Kiran Kumar T.M, Sangeetha M R , International Journal of Research and Scientific Innovation, Volume VIII, Issue V, May 2021, Year 2021, Pages 217-220
- Generate and Ranking the Multiple Sentences Based On Context Using Natural Language Generation Dr.T.M Kiran Kumar, LeenaRani International Journal of Research in Engineering and Science, Volume 9, Year 2021, Pages 42-46
- Software Effort Estimation for COCOMO-II Projects Using Artificial Neural Network Kiran Kumar T.M, Yashvanth Kumar K.P , International Journal of Research and Scientific Innovation, Volume 8, Year 2019, Pages 129-132
- Models for Predicting Development Effort of Small-Scale Visualization Projects Jayaram M.A.;Kiran Kumar T.M.;Raghavendra H.V. Journal of Intelligent Systems, Volume 27, Year 2018, Pages 413-431 DOI:10.1515/jisys-2016-0247

- Smart City Application with Reference to City Stress Ghousea Parveen, T M Kiran Kumar International Journal of Research and Scientific Innovation, Volume 5, Year 2018, Pages 135-138
- Models for Predicting Development Effort of Website Development Projects Kiran Kumar T.M International Journal of Applied Research on Information Technology and Computing, Volume 9, Year 2018, Pages 268-286 DOI:10.5958/0975-8089.2018.00027.1
- Traform Bot Surabhi J, T M Kiran Kumar, International Journal of Engineering Science and Computing, Volume 7, Year 2017, Pages 12601-12602
- PCA-assisted Regression Models for Software Development Effort Prediction: Small-scale Visualisation Projects Kiran Kumar T.M International Journal of Applied Research on Information Technology and Computing, Year 2017 DOI:10.5958/0975-8089.2017.00031.8
- Anticipation of Software Development Effort using Artificial Neural Network for NASA Data Sets Kiran Kumar T.M, Sharada Aihole, Soundarya Putage International Journal of Engineering Science and Computing, Volume 7, Year 2017, Pages 11228-11231
- PCA assisted Regression Models for Software Development Effort Prediction :Small Scale Visualization Projects T.M.Kiran Kumar, M.A.Jayaram,P.M.Tejaswini, L.B.Monika , International Journal of Applied Research on Information Technology and Computing, Volume 8, Year 2017, Pages 345-353
- Compendium of Software Cost and Effort Estimation Techniques T.M.Kiran Kumar, M.A.Jayaram , International Journal of Information Technology and Knowledge Management, Volume 7, Year 2014, Pages 37-41

Conference Proceedings

- Feature Engineering and Hybrid Machine Learning Approach for Flight Delay Prediction Ningthoukhongjam J.;Mahesh G.;Alam M.S.;Kumar P.;Kiran Kumar T. m 2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024, Year 2024
- An Enhanced Whale Optimization Algorithm for Task Scheduling in Cloud Computing P. Srilatha, Ghazi Mohamad Ramadan, T. M. Kiran Kumar,Y. Alekhya, Alok Kumar Pani Lecture Notes in Electrical Engineering, vol 1270, Volume 1270, Year 2023, Pages pp 13–24

- A Novel Energy-Efficient Hybrid Optimization Algorithm for Load Balancing in Cloud Computing Prasanna Kumar K.R.;Gm S.;Yamsani N.;Kiran Kumar T.M.;Pani A.K. Conference Paper IEEE 1st International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics, AIKIIE 2023, Year 2023 DOI:10.1109/AIKIIE60097.2023.10390196
- Improving Accuracy in Object Detection Using Region-Based Convolutional Neural Network Kumar T.M.K.;Aluvala S.;Mandal P.;Saranya K.;Karunakara Rai B.Conference Paper 2023 International Conference on Evolutionary Algorithms and Soft Computing Techniques, EASCT 2023, Year 2023 DOI:10.1109/EASCT59475.2023.10392806
- Software Effort Estimation Using Hard Limiting Techniques with Special Reference to Small Size Technical & analytical Projects Kiran Kumar T.M.;Jayaram M.A. Conference Paper 4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022, Year 2022 DOI:10.1109/ICERECT56837.2022.10060696

Book Chapters

- Machine Learning Meets the Semantic Web D.V. Chandrashekar,Y. Suresh Babu, K. Suneetha, T.M.Kiran Kumar Data Science with Semantic Technologies. eBook ISBN9781003310792, Year 2023, Pages 16
DOI:<https://doi.org/10.1201/9781003310792>