# Faculty Profile

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| Name: | **Dr. Amogh Katti** |
| Designation: | Associate Professor |
| Teaching Areas: | Modeling, Simulation and Development of Systems and Applications in Parallel, Cloud and Distributed Computing |
| Research Interests: | Reliability, Fault-tolerance, Scalability and Energy Efficiency in Parallel, Cloud and Distributed Computing |
| Education: | Ph.D. (Computer Science), University of Reading, UK, 2016 |
| | M.Tech. (Computer Science and Engineering), Poojya Doddappa Appa College of Engineering, Gulbarga, affiliated to Visweswariah Technological University, Belgaum, Karnataka, India, 2010 |
| | B.E. (Computer Science & Engineering), Appa Institute of Engineering and Technology, Gulbarga, affiliated to Visweswariah Technological University, Belgaum, Karnataka, India, 2006 |

## Professional Experience

1. Associate Professor, Department of Computer Science and Engineering, Faculty of Science and Technology, IFHE, Hyderabad, Telangana, India, 2020 – till date

2. Associate Professor Grade 1, School of Computer Science and Engineering, Vellore Institute of Technology – Andhra Pradesh University, Amaravati, Andhra Pradesh, India, 2018 – 2020

3. Post-doctoral Research Associate, Department of Electrical and Computer Engineering, University of Minnesota -Twin Cities, Minnesota, USA, 2016 – 2017

4. Lab Demonstrator, C and Java practical's; Tutor in the Mathematics for Computer Science, University of Reading, 2012 – 2016

5. Assistant Professor, Walchand Institute of Technology (WIT), Solapur, affiliated to Solapur University, Solapur, Maharashtra, 2010 – 2012

6. Software Trainee, Mphasis, Bangalore, Karnataka, India. 2007

## Research / Selected Publications:

1. Lakshmi Chetana Vemuri, Soma Sekhar Kolishetty, Amogh Katti. A Short Survey of Dimensionality Reduction Techniques. In Recent Advances in Computer-based Systems, Processes and Applications (RACSPA), Taylor and Francis Group, 2019

2. Katti, Amogh, and David J. Lilja. "Efficient and fast approximate consensus with epidemic failure detection at extreme scale." 2018 26th Euromicro International Conference on Parallel, Distributed and Network-based Processing (PDP). IEEE, 2018

3. Amogh Katti, Giuseppe Di Fatta, Thomas Naughton and Christian Engelmann. Epidemic failure detection and consensus. International Journal of High Performance Computing Applications. 2016

4. Amogh Katti, Giuseppe Di Fatta. Dynamic group communication for large-scale parallel data mining. Concurrent Engineering 21, no. 3 (2013): 227-23i4

5. Amogh Katti and Sujatha Terdal. Program Slicing for Refactoring: Static Slicer using Dynamic Analyser. International Journal of Computer Applications 9, no. 6 (2010): 36-43.