

Name of Faculty Dr Sreekumar Vobugari
 Designation Professor (Adjunct)
 Nature of Job/Appointment Visiting Professor
 Date of Joining 06-11-2021
 E-mail Vobugari70@gmail.com



Education Qualifications	Name of the Degree	Class
Ph. D.	Doctor of Philosophy (CSE), NIT, Warangal (2016)	Awarded
PG	M. Tech. (CSE), Jadavpur University, Calcutta (1998)	Distinction
UG	B. E. (CSE), Gulbarga University, Gulbarga (1992)	First

Work Experience

Teaching 6 Years
 Research 1 Years
 Industry 22 Years
 Others 0

Area of Specialization Software Engineering, Agile Methodologies, Cloud Computing, Software Project Management

Professional Memberships

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Responsibilities held at Institution/Organization Level

1. Track Lead, Data On Cloud Competency, Infosys
2. Lead, Software Architecture and Agile Competency, Infosys
3. Adjunct Professor – IIIT-DM, Kurnool
4. Adjunct Faculty, Dept of CSE, NIT Warangal
1. Member, Board of Studies, NIT Warangal (Industry expert)
2. Member, Board of Studies, TKRIT, Hyderabad (Industry expert)
3. Member, BoS, Gudlavalleru Engineering College, Gudlavalleru (Industry expert)
4. Track Anchor for Big Data and Data On Cloud auditing, Infosys
5. Track Anchor for Digital Skill Offerings(DSO) for Data On Cloud offerings to Data and Analytics(DNA) unit, Infosys

Responsibilities held at Department Level

Research Guidance

None

Awards Received

1. **Infosys League of Super Hero's** award for outstanding achievement for customer satisfaction, 2021
2. **Infosys Global Excellence** Award for People Development in the year 2009.
3. Infosys Unit Level **technical excellence award** in the year 2008
4. TCS **Best Project Manager Award** for On-time production rollout of a reengineering project for a Global Pharmaceutical client, TCS Zurich in 2006
5. Appreciation award with Cash Prize from **Ministry of Education** (Govt. of India) in recognition to

	<p>contribution as Co-coordinator on behalf of Infosys Technologies Ltd, for conducting 10-day workshop on Software Engineering & Emerging Technologies at Electronics & ICT Academy 2016.</p> <p>6. Appreciation award along with Cash Prize for providing Testing Services to Software Technology Parks of India (STPI) 1994</p> <ol style="list-style-type: none"> 1. Software Engineering, 2. Agile-SCRUM In Practice, 3. Software Architecture Modelling, 4. Model driven Software Architectures, 5. Hadoop Framework (Map Reduce, Hive, Pig, Sqoop) 6. Spark Framework (Spark Core and Spark SQL) 7. Data Analytics on GCP (Compute, Storage, Databases) 8. DBMS Using Oracle 9. Data Structures using 'C' 10. Operating Systems and Concepts 11. Unix Programming
Courses Handled at Under Graduate / Post Graduate Level.	
No. of Papers Published	<p>National Journals – 0 International Journals – 3</p> <p>Poster Presentations – 1 International Conference – 7</p>
Patents/Defensive Publications	<p>System and method for defect tracking in software projects, Publication Date – 3rd February, 2011, IP Id - IPCOM000203816D Author – Sreekumar Vobugari Co-Author – Dr.Subraya BM, Thara PS Multiple at TCS Limited.</p> <ol style="list-style-type: none"> 1. Application Production Support Lead, Ford Australia, Melbourne 2. Module Lead and Data Architect – CIDSS Project, Center for AI & Robotics (CAIR, a DRDO Lab), Bangalore 3. Data Architecture and DB Designer – DRAGON Project, Novartis Pharma, Basel Switzerland 4. Integration Manager – First-Port Project, Novartis Pharma, Basel (Switzerland) 5. Onsite Project Manager – AFCOM Project, Novartis Pharma, Basel(Switzerland) 6. Onsite Project Manager – Advent System, Roche Pharma, Welwyn garden city, UK 7. Senior Business Analyst – EPS-R2 System, Boots The Chemist, Nottingham, UK 8. Operations Manager – ULKTR Project, National Grid Transco, Peterborough UK & Bangalore, India 9. Data Architect consultant – Banco Del Pichincha, Quito-Ecuador, Montevideo-Uruguay, Santiago de Chile-Chile (LATAM) 10. Agile Consultant for As-Is and Gap-Analysis – Apple Computers, Cupertino, USA 11. Agile Coach – HSBC, Toluca-Mexico
Projects Carried out	
Technical Competencies	<ol style="list-style-type: none"> 1. Functional Domains: Manufacturing, Life science & Healthcare, Pharmaceuticals, Défense, Group finance 2. Agile Technical Practices: Continuous Integration (CI) – Java Stack and Atlassian suite, Refactoring, Test Driven Development (TDD)

3. **Programming Languages:** Core Java, C, Cobol, LINC, Pascal, Fortran, FoxPro, X-Windows, Python, PIG
4. **Databases:** Oracle, MS-SQL, DMS II, MongoDB, Apache HIVE
5. **Tools:** IBM RSA, System Architect, ERWIN, Toad, GIT (Distributed Version Control), Sonar Qube (Static Code Analyzer), JENKINS (Build Automation), Atlassian – JIRA, Artifactory
6. **Operation Systems:** Windows, Unix, MCP(Master Control Program), MVS (IBM Mainframes)
7. **Hardware:** Burroughs Architecture on Unisys Mainframes, IBM S-390
8. **Cloud Technologies :** Google Cloud Services (Cloud SQL, Dataproc, Pub/Sub services)
9. **Big Data Technologies** – Hadoop, Spark Core and Spark-SQL programming

Collaborated with Purdue University, West Lafayette, USA for knowledge acquisition and deployment of Cyber Security concepts at Infosys.

Technology Transfer

Worked at Purdue campus for 1 month with Purdue Cyber Security team as part of Infosys-Purdue Industry-Academia collaboration.

1. Resource Person and Coordinator (Infosys Sponsored) for 10 day Software Engineering Faculty Development Program held at N.I.T Warangal, 2016
2. Invited speaker on “SDLC and Role of Software Architectures in building Distributed Web Applications”, VIT Vellore, June,2016
3. Invited Speaker on “The role of Big Data Analytics in large enterprises”, Amrita University Campus, Mysore
4. Invited Speaker on “Hadoop M/R Architecture” for large scale distributed data processing, SJCE, Mysore
5. Expert Lecture on “Hadoop framework & Big Data”, QIS College of Engineering & Technology, Ongole, May,2013
6. Resource Person for 3 day Faculty Development Program on Agile-SCRUM, SVIT, Secundrabad, 2017

Invited Speaker

No. of Books/Chapter Published with details

None

1. IBM Certified Specialist on Rational Team ConcertV3, 2013
2. IBM Certified Solution Designer on Rational Software Architect, 2012
3. IBM Certified Solution Designer on OOAD, 2012
4. Certified Scrum Master, Scrum Alliance, 2014
5. Architecting Software for Cloud, IIT Kanpur, 2013
6. Microsoft Certified Azure Data Fundamentals, 2021
7. Databricks Certified Data Engineer Associate – Databricks, 2022

Details of Technology and Process Certifications (Industry Oriented)

Details of Journal Publications/ Conferences (**National and International**)

International Journal

1. Dynamic Replication Algorithm for Data Replication to Improve System Availability: A Performance Engineering Approach, IETE Journal of Research, Vol 61, No 2

2. A Model for building Dynamic Indexes & Storage and Re-use of Optimal Query Plans generated through Progressive Query Optimization, International Journal of Machine Learning and Computing, Vol 21, No.4
3. From Horizontal Slicing to Vertical Slicing – SCRUM Paybacks and Challenges, International Journal of Computer Science and Electronics Engineering, Vol 3, No 1

International /National Conferences

1. An Approach to Database Size Estimation, IEEE-International Advanced Computing Conference, Patiala
2. Index Tuning through Query Evaluation Mechanism based on Indirect Domain Knowledge, IEEE-14th International Conference on Modelling and Simulation, Cambridge, UK
3. A Roadmap on Improved Performance Centric Cloud Storage Estimation Approach for database systems deployment in Cloud environment, IEEE-14th International Conference on Mobile Data Management, Milan, Italy
4. A Roadmap for Building Effective Complex Enterprise Architecture in Digital Transformation – An Experience-based Industry Best Practices Summary, IEEE-International Conference on Smart Technologies for Smart Nation, Bangalore, India , 2017
5. Solving Twisty Puzzles Using Parallel Q-Learning, Engineering Letters, Volume 29, Issue-4, December-2021
6. Player Pattern Prediction Using Action Logs of Players, IEEE-Global Conference for Advancement in Technology, Bangalore, India

Poster Presentation

1. Analysis on Few Strategies to Improve Data Retrieval Process – Application Performance Management, 9th Inter-Research-Institute Student Seminar in Computer Science (IRISS) · Feb 5, 2015, Organized by IIT, Delhi, Held at BITS Pilani Goa Campus
Note – A total of 30 Research works had been shortlisted by Dept of CSE, IIT Delhi for the 9th IRISS event.

Project Guidance & Mentoring: Guided and mentored on multiple projects for students of both UG and PG programs at NIT-Warangal and IIIT-DM Kurnool