

Dr. SMIJU SUDEVAN



Official Address:

Post Doctoral Fellow
Computer Science and Engineering
Indian Institute of Technology(IIT)
Hyderabad, India

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Gender: Male

Educational Qualifications:

- **Post Doctoral Fellow(PDF)** in Computer Science and Engineering Department From Indian Institute of Technology(IIT), Hyderabad, India(2021)
- **Doctor of Philosophy (Ph.D.)** in Computer Science from Cochin University of Science and Technology, Cochin, Kerala, India (2017).
Thesis Title: "Stakeholder Management in ERP and Core Banking Software Projects"
Supervisor: Prof. Dr. M. Bhasi, School of Management Studies, Cochin University.
Centre: Department of Computer Applications, Cochin University, Cochin, India.
- **Master of Technology (M.Tech.)** in Software Engineering from Cochin University of Science and Technology, Cochin, Kerala, India First class with Distinction (2003).
- **Master of Computer Applications (M.C.A.)** from Manonmaniam Sundaranar University, TN, India, First class (2001).
- **Bachelor of Science Degree in Mathematics (BSc)** from Kerala University, Thiruvananthapuram, Kerala, India, First class with Distinction (1998).

Teaching Experience:

- Assistant Professor, Department of Computer Science, Modern College of Business and Science (MCBS), Muscat, Oman. (10.02.2007 – 30-09-2021)
- Lecturer, Department of Computer Science, BITS-Pilani, Rajasthan, India. (23.02.2004 to 22.01.2005)
- Lecturer, Department of Computer Science, Rajagiri College of Social Sciences, Kalamassery, Kochi. (02.06.2003 to 09.02.2004)
- Lecturer, Department of Master of Computer Application, Sun College of Engineering and Technology, India. (02.12.2002 to 11.05.2003)

Industry Experience:

- Senior Executive, Strategic Planning, UST Global, Techno Park, Trivandrum, Kerala, India. (16.01.2006 to 15.01.2007)

Research Publications:

International Journals

1. **Smiju Sudevan**, Abdul Aziz Ahmed Saif Al Qasmi, "The Impact of Artificial Intelligence on Electricity Consumption: A Study of Manufacturing Sector in the Sultanate of Oman", **International Journal of Research and Analytical Reviews**, Vol 8, Issue 3, July 2021, PP 402-406
2. **Smiju Sudevan**, Umar Ahmed, Bashir Ahmad Fida, "Potential of financial technology in transformation of Islamic banking sector in Oman" **International Journal of Engineering and Advanced Technology**, Volume 10, pp.399-402 June 2021
3. **Smiju Sudevan**, BushraAl Barwani, Esraa Al Maani, Sita Rani, Arun Kumar Sivaraman, "Impact of Blended Learning during Covid- 19 in Sultanate of Oman", **International Journal of Annals of the Romanian Society for Cell Biology**, Volume. 25, No. 4. 2021
4. **Smiju Sudevan**, Raqiya Ahmed Al Hilali, "Software Project Risk Management Practice in Oman". **International Journal of Electrical, Electronics and Computers**, Vol 5, Issue 6, 2020, pp.32-4
5. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "Distinct Stakeholder Roles across the ERP Implementation Lifecycle: a Case Study", **International Journal of Enterprise Information Systems**, vol.10, Issue 4, Oct-Dec 2014, USA.pp.59-72.
6. **Smiju Sudevan**, Mani Joseph, "Internet of Things: Incorporation into Healthcare Monitoring", **IEEE Explore**, 2019, DOI: 10.1109/ICBDSC.2019.8645592 (Web of Science)

7. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "Interpreting Stakeholder roles in ERP implementation projects: a Case Study", **International Journal of Computer Science and Information Technology**, vol.5, Issue 3, 2014, pp.3011-3018.
8. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "Existing Software Stakeholder practices an overview", **International Journal of Computer Applications**, vol.102, Issue 3, 2014, pp.8-13.
9. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "Comparative Reassessment of Two Common Software Project Management Methodologies", **International Journal of Business Intelligence and Management**, vol.13, Issue 2, Dec 2013, pp.211-220

International Conferences

1. **Smiju Sudevan**, Umar Ahmed ,Bashir Ahmad Fida, Murthad Nadhim Al Rawahi "Investigating Consumers Perception on Hybrid Cars in the Sultanate of Oman" *International Conference on Business and Entrepreneurship Impact of Artificial Intelligence on Business and Society* ,BEICOM ,April 2021.
2. **Smiju Sudevan**, Santhosh M M , "Artificial Intelligence in Information Technology – Tools and Techniques for Successful Project Implementation" *International Conference on Impact of Artificial Intelligence on Business and Society* ,AIBS 2021 ,February 2021.
3. **Smiju Sudevan**, Abdulaziz Al-Qasmi , "The impact of Artificial Intelligence on Electricity Consumption: A study on the electricity consumption of the manufacturing sector in the sultanate of Oman" *International Conference on Innovations in Science and Technology for sustainable development*, November 2020.
4. **Smiju Sudevan**, Umar Ahmed, Bashir Ahmad Fida, "Potential of financial technology in transformation of Islamic banking sector in Oman" *International Conference on Innovations in Science and Technology for sustainable development*, November 2020.
5. **Smiju Sudevan**, Ghassan Al-Mazroui, "Managing Blockchain Projects with Agile Methodology ", *Proc. Springer, International Conference on Big data and Cloud Computing Challenges*, ICBCC2019, UMKC, USA, Sept, 2019
6. **Smiju Sudevan**, Umar Ahmed, "Implications of Fiscal Adjustment and IT adoption on the development of SME's in Oman ", *International Conference on Digital Transformation of Business: Models, Enablers and Roadmaps Big data and Smart city*, March, 2019

7. **Smiju Sudevan**, "Integration of Scrum Methods into Higher Education", *Academic conclave by Project Management Institute (PMI)*, February 2019
8. **Smiju Sudevan**, Mani Joseph, "Internet of Things: Incorporation into Healthcare Monitoring", *International Conference on Big data and Smart city*, ICBDS, January 2019
9. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "Reinforcement of Stakeholder Management in Software projects", *Proc.Elsevier International Conference on Applied Information and Communications Technology-ICAICT 14*, pp.37-42, Oman.
10. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "A typology of stakeholder identification methods for projects in software industry", *International Conference on middle Eastern simulation and modeling-MESM 14*, Oman.
11. **Smiju Sudevan**, M. Bhasi, K.V. Pramod, "A Stakeholder Management perspective in small/medium organization's using agile methods", *Proc.International Conclave on Innovations in Engineering and Management-ICIEM 16*, pp.394- 398, Oman.
12. **Smiju Sudevan**, Mani Joseph, "A Critical Examination of the Pragmatic Behavioral Quality of the Extreme Programming Metrics", *Fifth National Conference on Computer Communication and Network Engineering*, 2012, NCCCN, India.
13. **Smiju Sudevan**, Mani Joseph, "Design New Generation XP Metrics in Maintaining and Implementing Agile Practices.", *International Conference on Knowledge Management & Resource Sharing*, 2012, ICKMARS, Oman.
14. **Smiju Sudevan**, Mani Joseph, "Web Based Program Assessment and Documentation", *International Conference on "Applied Information and Communications Technology"*, MECIT, Oman, 2011.
15. **Smiju Sudevan**, Mani Joseph, Faisal khan: "Development of a web based documentation and assessment system for quality assurance activities", *Oman National Quality Conference (OQN)*, Muscat, Oman, October 2008
16. **Smiju Sudevan**, Mani Joseph, Jibulal Nair, Barry M. Lunt: "*Information technology education in India*", SIGITE Conference, Muscat, Oman 2007

Book Contributions

1. **Smiju Sudevan**, "Stakeholder Management in ERP and Core Banking Software Projects", Multi Spectrum Publications, 978-81-951-729-5-5,2021

2. Ghassan Al- Mazroui, **Smiju Sudevan**, "Managing Blockchain Projects with Agile Methodology", Smart Innovations, Systems and Technologies, Springer,978-981-329-889-7,2019

Innovation Patents

1. NAVIGATION TECHNIQUE FOR SELF DRIVING CLEANING ROBOTS FOR CONGESTED PUBLIC LOCATIONS

The invention relates to the method of analyzing the navigation technique for an autonomous cleaning robot for the traffic location. This analyzes various techniques and based on which the cleaning process is carried out effectively.

Patent No: 2021101589

Date: 5th May 2021

Country: Australia

2. ON-SITE AUTOMATED HZARDOUS MEDICAL WASTE DETECTION BY SMART SENSORSNAD WASTE CATEGORIZATION TECHNIQUE USING A MACHINE LEARNING ALGORITHM

Our invention involves the development of a smart medical waste management system. This system involves the automated detection and classification of medical waste. This system uses the deep learning algorithm in machine learning techniques for the classification of waste.

Application No: 202121015632

Date: 09th April 20

Country : India

Awards and Honours:

1. **Best Table Topics Speaker**, International Toastmasters, Muscat, Oman.
2. **Contest Chair** Oman Malayalam Toastmasters Speech Contest, Muscat, Oman.

Committee Member:
Session Chair

1. Chaired a Technical Session at the International Conference on Big Data and Smart City- ICBDS, 2019 (IEEE), organized by the Department of Computer Science, Middle East College, Muscat, Oman.
2. Was chair of a Technical Session on "Software Engineering" during the International Conference on Applied Information and Communications Technology ICAICT – 2014 organized by Waljat College of Applied Sciences, Muscat, Oman.
3. Chaired a Technical Session on "Project Management" during the International Conference on Middle Eastern Simulation and modeling- MESM 2014. Organized by Arab Open University, Muscat, Oman.

Project/Dissertation Supervisor:

M.Tech. Dissertations guided: **16**

2018-19 M.Tech Batch (Department of Computer Science, Modern College of Business and Science)

- **Hilal Saleh Al Ghanna**- "Effective Risk Management in Banking Software Projects".
- **Yahya Abdullah Habib Al Husaini** - "Analyzing the Significance of Project Management Soft Skills in the context of Project success rates in the Sultanate of Oman".
- **Asrar AL Aafi** - "A study comparison between Agile and Traditional method in Oil and Gas Organization".
- **Salim Mohammed Al Jabri** – "Organizational Culture as Success Factor in Agile Software Projects".

2019-20 MTech. Batch (Department of Computer Science, Modern College of Business and Science)

- **Ghassan Khalid ALMazrouai** - "Managing E-Government Blockchain Projects in Sultanate of Oman".
- **Fatima Salim Said Al-Mashrafi** - " Planning ERP in Healthcare: A Case Study in Ministry of Health Oman".

- **Abdulaziz Mohammed Abdullah Alakhzami** – “The Use of Agile in Risk Management Planning for Water Pipelines in Oman”
- **Maryam Rashid AlMaskari** - "Oil and Gas Industries Strategic Point of View on Project Methodologies for Software Development Cycle".
- **Raqiya Ahmed Al Hilali**, “ Software Projecr Risk Management Practice in Oman”.

Keynote Speaker:

- International Webinar on Artificial Intelligence and Global Applications at University of Kerala, March 2021
- International Conference on Innovations in Science and Technology for sustainable development, November 2020.
- International Webinar Series on Winning the Covid war through AI and DS Technology, July 2020
- Modern Chronicle Series on Emerging Covid Tech scenarios in ICT, Decemeber 2020
- FDP on IoT trends to drive innovation for business and digital technology at Hindustan Institute of Technology, May 2020
- Academic conclave by Project Management Institute (PMI), February 2019

Invited Talks:

1. **"Confronting the Covid-19 epidemic through AI and DS Technology"** at Modern College of Business and Science (MCBS), Oman. The webinar touched upon the Covid19 pandemic through latest technologies like AI and DS among MCBS Faculties and Staffs.
2. **"Emerging Tech Fads For Teens"** webinar was held for faculty and students of Chinmaya group of Institution by Dr Smiju Sudevan, Faculty in computer science on the 22nd of October 2020.
3. **"Practical approaches involving SCRUM Framework"** at The Research Council (TRC), Oman.
4. **"Enhancing perceptive and communicative skills through Team based learning and Project based learning for students"** at Modern College of Business and Science (MCBS), Oman. The workshop touched upon the practical implementation of project based and team based learning approaches among our Bachelors students.

5. **“Agile Project Management”** Workshop organized by the Ministry of Health (MOH), Oman at its headquarters. The interactive session was made possible by the audience comprising of Business Analysts, Project Managers, Quality Assurance specialists, and Technical Leads of MOH.
6. **“Career Guidance”** Workshop organized by Chinmaya Vidyalaya Kunnumpuram, Trivandrum, Kerala for 12th standard Students.
7. **"Project based and team based learning"** Workshop organized by NMCC Marthandam, Tamilnadu for MCA Students. It was attended by over 50 students and it was preceded over by the dean and various head of the departments.
8. **" Practical aspects of Project Management "** at the One-day Workshop organized by the Noorul Islam University, Kumarakoil, Tamilnadu under the aegis of PMI Tamil nadu chapter and MBA department.
9. **"Paving the way by Agile Project Management"** at the Royal Court Affairs(RCA), Muscat. It was attended by the IT Professionals working in the same.
10. **"Practical Aspects of Agile Project Management"** was held for senior IT Project Managers from Bank of Muscat on 15th of Nov 2018 in its headquarters.
11. **"Project based and Team Based learning"** for vocational teachers (IT) from all over Oman including Sohar, Sur, Salalah and Ibri was conducted. It was held under the aegis of Ministry of Manpower, Muscat, Oman.
12. **“Career Guidance”** Workshop organized by Indian School Al Seeb, Muscat, Oman
13. **“For the Students, By the Students”** A mentoring workshops was organized by MCBS. The aim of the workshop was to instill leadership and communication skills to the senior batch students when they become the “Mentors” while giving support and guidance to the fresher batch who are the “Mentees”.
14. **“Power of Emotional Intelligence”** A workshop was organized by Sunrise Toastmasters club, Muscat, Oman. It was attended by various professionals from different domain.

Academic Responsibilities:

1. **Member, Faculty of Computer Science**, Modern College Business and Science, (MCBS), Muscat, Oman.

2. **Member, Indian Schools Advisory Board**, Oman.
3. **Coordinator**, Bachelor Degree Information Systems, Modern College Business and Science, (MCBS), Muscat, Oman.
4. **Coordinator**, Industry Advisory Board, Modern College Business and Science (MCBS), Muscat, Oman.
5. **Coordinator**, IT Activates during OAAA Accreditation, Modern College Business and Science, (MCBS), Muscat, Oman.
6. **Faculty Coordinator**, BITSCONNECT in BITS- Pilani.
7. **Coordinator**, Placement in Rajagiri School of Computer Science.
8. **Coordinator**, Information System Club, Modern College Business and Science, (MCBS), Muscat, Oman.
9. **Member**, Curriculum Committee of Master's Degree Program (MSIT), Modern College Business and Science, (MCBS), Muscat, Oman.
10. **Member**, Affiliation and Collaboration Committee, Modern College Business and Science, (MCBS), Muscat, Oman.

Professional Membership:

1. **Senior Member**, Project Management Institute (**PMI**)
(Membership No: **2764702**).
2. **Member**, Association for Computing Machinery (**ACM**).
3. **Member**, Scrum Alliance.
4. **Member**, International Association of Engineers (**IAENG**)
(Membership No: **176058**).
5. **Member**, Toastmasters International. (Membership No:**7528449**).
6. **Member**, Institute of Electrical and Electronics Engineers (**IEEE**)

Research Interests

- Software Engineering
- Project Management
- Agile Project Management
- Data Analytics

- Artificial Intelligence
- Information System Analysis
- Blockchain

References:

- **Said Abdullah Al Mandhari**
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- **John Fulton**
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Sd/-
Dr. Smiju Sudevan