FACULTY PROFILE

Name: Dr. Sudhanshu Singh

Designation: Associate Professor

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Professional Qualification:)

- ➢ **B.E (Production and Industrial Engineering),** MBM Engineering College, JNV University, Jodhpur, 1990-1995

- ➢ **PGDiploma (Industrial Engineering),** Ambedkar Institute of Productivity, National Productivity Council, Chennai, 1995-1997

- ➢ **MBA (International Business),** Asian Institute of Technology (AIT), Thailand, 2004-2006

- ➢ **Fellow of NITIE (PhD),** Mumbai , 2014-2022

Publications (Journals & Conferences):

- ➢ A Blockchain Technology Application for Managing Blood Supply Chain,2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), https://doi.org/10.1109/ICIPTM57143.2023.10118148
- ➢ A Bibliometric and Visual Analysis of Financial Technology Applications, 2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), https://doi.org/10.1109/ICIPTM57143.2023.10118147
- ➢ Decentralised Content Creation in Digital Learning: A Blockchain Concept, ICT with Intelligent Applications. Smart Innovation, Systems & Technologies, vol. 248. Springer, Singapore, 06 December 2021, DOI: https://doi.org/10.1007/978-981-16- 4177-0_57
- ➢ A Data-driven Approach to Shared Decision-making in a Healthcare Environment, OPSEARCH, DOI: https://doi.org/10.1007/s12597-021-00543-3
- ➢ A Collaborative Method for Simultaneous Operations: Case of an Eye Clinic, OPSEARCH, DOI: https://doi.org/10.1007/s12597-021-00513-9
- ➢ A New Approach to Decision Prioritization – Case for Healthcare Decision-Makers, International Journal of Operations and Quantitative Management, DOI: https://doi.org/10.46970/2019.25.4.4
- ➢ Big Data Platform Selection at a Hospital: A Rembrandt System Application, Innovations in Computational Intelligence and Computer Vision. Advances in Intelligent Systems and Computing, vol. 1189. Springer, Singapore, DOI: https://doi.org/10.1007/978-981-15-6067-5_16

- Excellence in Healthcare: Application by BOIDPAM Method, 3rd International Conference on Facets of Business Excellence (FOBE), November 23, 2018, IMT Ghaziabad, Bloomsbury Publishing India Pvt. Ltd., New Delhi, ISBN: 978-93-88630-06-1, https://www.bloomsbury.com/in/facets-of-business-excellence-in-it- 9789388630061
- A Case Study of Managing a social media Project in an Eye Center, 12th ISDSI International Conference, Dec 28, 2018, SPJIMR, Mumbai
- An Application of Lean Healthcare in the Operation Theatre, 12th ISDSI International Conference, Dec 28, 2018, SPJIMR, Mumbai
- ProRem: A Novel Method for Integrating Data-driven and Expert-driven Decision-making, 11th ISDSI International Conference, Dec 30, 2017, IIM Tiruchirappalli
- Managing Blood Supply Chains: Open Source Applications and Process Mining, 11th ISDSI International Conference, Dec 29, 2017, IIM Tiruchirappalli
- Enhancing Healthcare Performance by Integrating Process Mining and Promethee in a Healthcare Setting, International Conference of Operations Research (OR2017), September 6-8, 2017, Berlin, Germany
- A Case Study of Simulating the Surgical Process Flow in an Indian Healthcare Setting, International Conference of Operations Research (OR2017), September 6-8, 2017, Berlin, Germany
- Critical Issues in Healthcare Supply Chain – An Exploratory Study in Indian Hospitals (co-authored with Dr. Rakesh Verma and Dr. Saroj Kaul), International Supply Chain Management Symposium (SCMA 2016), Canada

Awards and Achievements

- Ideated, planned, and implemented a first of its kind internship for the BBA and MBA students of the SRM Institute of Science and Technology in partnership with Quality Council of India (QCI). Students facilitated 80+ MSMEs in gaining ZED Bronze certification within a period of 6 weeks.
- Signing up of MoU with Edge Thinker Consulting LLP for consulting engagements
- Signing up of MoU with Fluxicon (a European company) on utilising DISCO process mining application
- Developed two value adding courses 'Process Analytics and Robotic Process Automation' and 'Foundations of Machine Learning and Deep Learning' for the SRM Institute of Science and Technology
- Planned and implemented Aadhaar Enrolments and achieved the daily target of 50 enrolments per machine (with daily management) in (State Bank of India and Central Bank of India, 2011)
- Managed ground level implementation of Parivar Pehchan Patra (PPP) and e-kharid system in (Department of Agriculture and Farmers Welfare, 2020) , Government of Haryana
- Developed detailed proposal and implemented the setting up of 500 village libraries and 111 shelter home libraries in Haryana in line with Honourable CM announcements in (Department of Higher Education, 2021)
- Worked as Expert for Government of Haryana in implementing Smart City projects for Faridabad and Karnal.
- Worked as an Honorary Project Consultant with NHS UK wherein process mining was applied in eye surgery leading to improved operating theater utilisation
- Reduced turnaround time in a shipping container repair terminal utilising process mining
- Won the Second Prize – Team Award in hackathon held in Eindhoven, Netherland for the IoT solution for skateboard in (Eindhoven Maker Faire, 2017)

➢ Royal Thai Government Fellowship from Asian Institute of Technology towards my MBA degree

Workshops/Seminars/FDPs

➢ Application of MCDM in Research, March 27- April 1, 2023 SRM Institute of Science and Technology
➢ Global Online Certification Course on Business and Operations Analytics by Prof. David Simchi-Levi (MIT, USA) & Prof. Manoj K. Tiwari (Director, NITIE) in (2021)
➢ Supply Chain Operations and Disruptions Management - A Way Forward' by Prof. Tadeusz Sawik (AGH University, Poland & Reykjavik University, Iceland) & Prof. Manoj K. Tiwari in 2021

Work Experience:

Organization	Designation	From	To	Work Type	Location	Action
SRM Engineering College, Ghazhiabad	Associate Professor	15-09-2022	Till Now	Teaching Exp	Ghazhiabad	
Self Practice	Independent Consultant	01-01-2014	14-09-2022	Industry Exp	Mumbai	
IL&FS ETS	Principal Consultant	26-11-2009	31-12-2013	Industry Exp	Mumbai	
Mahindra Satyam	Business Consultant	08-12-2006	23-11-2009	Industry Exp	Mumbai	
National Productivity Council	Assistant Director	04-12-1997	17-11-2006	Research Exp	New Delhi	

Professional Memberships:

➢ Project Management Institute (PMI)

➢ Assessors & Registered Valuers Foundation (AARVF) (registered with Insolvency and Bankruptcy Board of India (IBBI))

➢ Quality Council of India (as ZED Consultant)