

Faculty Profile

Brief Profile



- Played lead role in winning \$6.5M NISSAN account (for TCS) through Due Diligence of various engineering departments (e.g. Body Engineering, Powertrain, Vehicle Engineering etc.) of NISSAN to assess the outsourcing potential and provide NISSAN management a roadmap to achieve their target cost savings
- As Nissan Accounts Manager, set up the offshore development centre with right people, process and infrastructure as per NISSAN requirement. Subsequently ramped-up the offshore delivery team from 0 to 70 in first six months of its operation
- Led a offshore delivery team of 80 multi-skilled technical workforce (for NISSAN) with objective KPI (Key Process Indices) targets of 99% FTR (First –Time-Right) and OTD (On-Time-Delivery)
- Managed a Global team of 35 to 40 engineers and managers of multi-disciplinary skillset (Electronics Hardware, Embedded software, Application / Tools software, Software Testing, Product validation and certification, Mechanical Hardware etc) located globally (CT, IL, Bangalore, Italy)
- Managed a \$10Mn NPD (New Product Development) Program of wireless based fire-safety system development with a target 5 – 7% increase in market share
- Provided cost-effective engineering solution for design automation of Industrial Heavy Bearing product lines of Timken U.S. Corporation, Connecticut, USA

Personal Information

- **Name:** Sujan Chakraborty
- **Designation:** Assistant Professor
- **Department:** Mechanical Engineering
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- **Phone:** 9880578758

Google Scholar / ResearchGate / LinkedIn: [Link if applicable]/ **ORCID:** [Link]

<https://scholar.google.co.in/citations?user=HaM0Aa4AAAAJ&hl=en>

Domain of Expertise

Solid Mechanics, Machine Design, Automotive Engineering, Reliability Engineering,

Research Focus

- **Primary Area:** MoS Thin Film, Solid Mechanics
- **Allied Areas:** Nanomaterials

Academic Qualifications

- **Ph.D.:** [Mechanical engineering], [VTU, Belagavi, Karnataka], [2024] *(Thesis Title optional)*
- **M.Sc./M.Tech:** [Mechanical Engineering], [IISc, Bangalore], [1991]
- **B.E./B.Tech:** [Mechanical engineering], [Calcutta], [1989]
- **Postdoctoral Research:** [University/Lab], [Year] *(if applicable)*

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	R V College of Engineering	Assistant Professor	Jan 2014 till date
2.	PES Institute of Technology	Associate Professor	Aug 2013 to Dec 2013
3.	Honeywell Technology Solutions (HTS)	Global Program Manager	April 20007 to July 2013
4.	Tata Consultancy Services (TCS)	Consultant	July 2000 to March 2007
5.	Tata Technologies (TTL)	Manager (CAD / CAM)	April 1997 to June 2000
6.	Tata Motors	Assistant Manager	April 1992 to March 1997
7.	Indian space Research Organisation (ISRO)	Scientist 'C'	Jan 1992 to March 1992
8.	Crompton Greaves Ltd (CGL)	Management Trainee	March 1991 to Dec 1991

Publications & Patents

Journal Publications

1. M Krishna, S Chakraborty, PK Panda, "Influence of Cobalt Doping, ZnO molar Concentration and Annealing Temperature on its Structure and Methane Gas Sensing of ZnO Thin Films", BULLETIN MONUMENTAL - ISSN / e-ISSN 0007-473X, 2020
2. A Chakraborty, M Sudeep, V Chaudhary, C Manjunatha, S Chakraborty, "Advances and prospects in architecting SnO₂ based nanosystems for gas sensing applications ", ECS Transactions, 2022
3. S Chakraborty, MM Math, RS Vijaykumar, S Bavan, M Keshav, B Nandini, "Analysis and optimization of process parameters to develop nanohybrid composites of vanadium pentoxide/reduced graphene oxide" Journal of The Institution of Engineers (India): Series D, 2023
4. C Manjunatha, A Khosla, RH Krishna, PV Kumar, S Chakraborty, "Recent Advances in the Synthesis, Characterization of Pure and Doped NiO Nanostructures for Gas Sensor Applications", ECS Transactions, 2022
5. A CHAKRABORTHY, S Chakraborty, M Krishna, C Manjunatha, "Hybrid SnO₂ nano composite: Recent advances in the synthesis, characterization and gas sensor applications", SGS-Engineering & Sciences, 2021
6. V KUMAR, S Chakraborty, M Krishna, C Manjunatha, "Recent advances in the synthesis, characterization of pure, doped and hybrid NiO nanoparticles composite for gas sensor applications", SGS-Engineering & Sciences, 2021
7. AP Ugare, S Chakraborty, "Geometrical Optimization of Integral Balance for Normal and Side Force using GRA Method", International Journal of Engineering Research & Technology (IJERT), 2020
8. Nikhil Kulkarni, Ramesh S, Sujana Chakraborty, Anusha Ramesh "A Review Paper on Techniques and Manufacturing Methods of 3D Printed Loudspeaker", STM Journals, Trends in Machine Design, Volume 2, Issue 2, 2015

9. [Conference Papers]

1. [Author(s)], "[Title]," [Conference Name], [Year].

Books/Book Chapters

1. [Author(s)], [Book Title], [Publisher], [Year].

Patents [Filed / Published / Granted]

1. [Patent Title], [Patent No.], [Year].

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].
- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].

Ongoing & Completed Consultancy Projects

- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].
- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].

Professional Memberships

- [Membership Body, e.g., IEEE, ASME, IEI, etc.]

Awards & Recognitions

- [Award Name], [Organization], [Year]
- [Achievement], [Details], [Year]

Student Supervision

- **M.Tech/M.Sc. Students:** 05
- **Undergraduate Research Mentees:** 15

Professional Roles

- **Editorial Board:** [Journal Name]
- **Chair/Committee Member:** [Conference Name, e.g., *IEEE International Conference on Robotics*]
- **Industry Advisor:** [Company/Startup Name]

Teaching

Core Courses: **[Current semester]**

- Design of Machine Elements - II
- Computer Aided Engineering Graphics

Advanced/Lab Courses:

- Design Lab
- IDEA Lab
- CAEG lab
- English Lab

Professional Roles

Responsibilities

- **Academic:** [HOD/Exam Coordinator/Placement Coordinator, etc.]
- **Administrative:** [Committee Memberships, Lab In-charge, etc.]

External Connect

- Member of BoS / BoE / Academic Council / Governing Body etc