Suraj Panigrahi
surajpanigrahi198@gmail.com   Mob no.: +918849689933
A/B:26, Balkrishna row house, Bhestan, Surat, Gujarat, India – 395023

Innovative and energetic professional with experience in project management and motivating colleagues to meet deadlines with positivity and pride. Recognized for problem solving abilities, while making sustainable contribution in industrial sector.

Experience

- Product Engineer at Bludigit Technologies PVT LTD, Gujarat, India since 01.10.2020 - 30.10.2021
- Graduate Engineering Trainee at Samriddhi Processors PVT. LTD, Gujarat, India since 03.10.2019 - 30.09.2020
- Research Intern at National Institute of technology (NIT), Warangal, India from 01.05.2019 - 30.09.2019
- Undergone Internship cum Research training (Statistical   Analysis, FMS) at UNIVERSITY OF MINHO, Guimaraes, Portugal from 01.06.2018 - 30.06.2018
- Undergone In-Plant Training (The Construction & Assembly of Boilers) at RAJDEEP BOILERS PVT. LTD, Gujarat, India from 01.05.2018 - 28.05.2018

Education

Vellore Institute of technology, Vellore, India   *6/2015 – 4/2019*

- B.Tech with Mechanical Engineering. Coursework included industrial engineering, facilities & production planning, modelling and simulation, Operation research and Business Accounting.
- CGPA: 8.50/10.00

St. Xavier's High School, Surat, India   *6/2013 - 4/2015*

- Class XII Board (GSEB) with Physics, maths and Chemistry course.
- Percentage: 65.4/100

S.E.M. High School, Surat, India   *6/2000 - 4/2013*

- Class X board (GSEB) with percentage of 82.5/100

Research Publication

- A multi-echelon pandemic dynamic cold chain for managing vaccine distribution (December 2020 – November 2021) Transportation Research Part E, Elsevier.
- Convalescent plasma bank facility location-allocation problem for COVID-19 (August 2020 - October 2021) Transportation Research Part E, Elsevier.
- Production scheduling of semiconductor wafer fabrication facilities using real-time combinatorial dispatching rule (May 2020 - June 2021) ICoRSE 2021, Springer.
- Modelling, analysis and simulation of a patient admission problem: A social network approach (May 2018-2019) HIS conference 2019, Springer.
- SNA based Industrial Plant Layout Analysis in the context of Industry 4.0. (August 2017 - May 2018) International Journal of Industrial and Systems Engineering, Scopus.
- Estimation of manufacturing systems degradation rate for residual life prediction through dynamic workload adjustment. (August 2016 – 2017) Sadhana, Springer.
- Degradation modelling to predict the residual life distribution of parallel unit systems on benchmark instances. (November 2016 – April 2017) WCE conference 2017, London.

On Going Research works

- PharmaCoin: Secure, Transparent and Sustainable Pharmaceutical Supply Chain using Permissioned Blockchain Network
- An AIoT based approach for optimal fleet management in surface mining.

Projects

- Artificial Immune System Approach for Modelling and Optimizing Abrasive Water Jet Machining Process on Super Alloys (December 2018– April2019)
- Built in Resilience to Post Disaster Field-hospital setup: A Healthcare Capacity Planning Application.
- A walking Aid stick for Blind people.
- CAD model of Centrifugal governor with Dynamic Analysis.
- Properties Analysis of Inconel Sample.

Achievements

- Participated and led my team in ZS case challenge 2018 and ranked among top 50 teams in India.
- Presented India and led my team in Society for Health Systems/FlexSim Healthcare Student competition 2017.
- Active member in International Association of Engineers.
- State-level 100m and 200m Athlete.

Dr. V.K. Manupati	Dr. Tobias Schoenherr	Dr. M.L.R. Varela
Associate Professor, Department of Mechanical Engineering, NIT, Warangal.	Department of Supply Chain Management, Broad College of Business, Michigan State University 632 Bogue St., Room N370, East Lansing, Michigan, USA	Assistant professor, Department of Production and Systems Engineering, University of Minho, Guimaraes, PORTUGAL.
E-mail: manupativijay@gmail.com	E-Mail: schoenherr@broad.msu.edu	E-mail: leonilde@dps.uminho.pt