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EDUCATION

B M S College of Engineering, Bangalore, India   August 2016-August 2020
Bachelor of engineering, Mechanical engineering
GPA: 8.89/10

SCHOLARSHIP/AWARDS

- Competitive scholarship of worth about 2.4 million Indian rupees by Indian government Compex scholarship scheme.
- Received fund for paper presentation on an international conference by Technical Education Quality Improvement Programme of Government of India (TEQIP III)

RESEARCH EXPERIENCE

CFD study of Blood Flow in Carotid Artery,   May 2018 – December 2018
- To study the development of wall shear stress.
- ANSYS Fluent was used as an analysis tool.
- Various parameters were studied for rest and moderate exercise condition.

Machining and Modelling Of Inconel 718 & Titanium 64 Alloys,   May 2019 – November 2019
- Machining of Inconel was done by HMT-Lathe and three input process variable speed, feed rate and depth of cut was measured.
- Empirical modelling for the process outcome based upon measured process input was developed using statistical tool Minitab.

Friction Stir Welding Of fly-ash reinforced Aluminium MMC,   August 2019- August 2020
- Vertical Milling Machine was reconfigured for novel Friction Stir welding and input process parameter were optimized by numerous trial
- Welding of Flyash reinforced Aluminum Composite fabricated by stir squeeze casting process exhibited superior mechanical and microstructure properties compare to base metal fabricated through same process

PUBLICATIONS

1. CFD study of Blood flow in Carotid Artery, 7th International and 45th National conference on Fluid Mechanics and Fluid Power society (FMFP) December 10-12, 2018, IIT Bombay.
2. Mathematical Modelling for Machining Of Inconel 718 & Titanium 64 Alloys, AIP Conference Proceedings **2316**, 030008 (2021); https://doi.org/10.1063/5.0036449

PRESENTATIONS

CFD study of Blood flow in Carotid Artery, 7th International and 45th National conference on Fluid Mechanics and Fluid Power society (FMFP) December 10-12, 2018, IIT Bombay.

SKILLS

Modelling software: Solidworks, 3d Experience

Simulation and Analysis software: ANSYS fluent, ANSYS Workbench, ANSYS APDL.

Programming: Matlab, C,C++ Python, ML, GNC, PLC, LABVIEW

Data Analysis Tool: Minitab

LEADERSHIP

COORDINATOR, Mechanical Engineering Association, B M S College of engineering
- Organized technical and cultural events
- Organized Industrial visits by collaborating with department and industry

COORDINATOR, PHASE SHIFT BMSCE, National level Technical symposium
- Worked with other departments and organizer committee for logistics and technical support
- Showcased departmental projects and achievements to public

CERTIFICATIONS
- Deep dive session on Industrial Automation, systems and controls, Hands on session on Hydraulics and pneumatics, July 29th-2th August, TEQIP (Technical Education Quality Improvement Program) III
- 3D-experience trainee at PLM (Product Lifecycle Management) LAB BMS College of engineering
- One day public speaking session by LCCI Nepal, 15th September- 2015
- Online course on intelligent machining, Nano-technology, python, machine learning coursera 2020