

LOCHAN UPADHAYAY

Contact Details

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Academics Details

2021-onwards
Mtech (Research), Material engineering, IISC Bangalore
2016 – 2020|8.89/10|
Bachelor of Mechanical engineering, BMS College of engineering, Bangalore

2014 – 2016|80.4%
High school, Physical science, NASA International College, Tinkune, Kathmandu, Nepal

2013-1014|82.63%
School, International public school, Mahendranagar, Nepal

Technical Skills

Modelling software: Solid works, 3d experience

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

Programming: MATLAB, C, Python,

Microsoft Office package: Microsoft Word, Excel, Access

Data Analysis Tool: Minitab

Publication:

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>

Achievements

- Scholarship to study B.E in Mechanical engineering in BMSCE, through embassy of India under compex scheme.
- Quarter finalist of Nepal public speaker season 1.

Extracurricular Activities

- Coordinator of Mechanical Engineering Association Coordinator for stalls and exhibition for Mechanical department, BMSCE phase shift 2018

Projects

Friction Stir Welding Of MMC

- LM-25 (base metal) and base metal reinforced with 5% fly ash is friction stir welded using reconfigured Vertical Milling Machine and input parameter were optimized.
- Influence of fly ash on mechanical and microstructure properties is being carried out for friction stir welded joints of base metal and composite

Machining Of Inconel 718 & Titanium 64 Alloys

- Machining of Inconel was done by HMT-Lathe and three input process variable speed, feed rate and depth of cut was measured.
- Effect of input parameters on process parameters were assessed by statistical tool Minitab-2017