

SACHIN M

<https://projects.skill-lync.com/profiles/Sachin-Murali-719>

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Objective

Dedicated individual seeking for a job position in an organisation to utilize the ability of prioritizing work option in an effective manner for the greater benefits of the company.

Education

Masters certification program in CAE, SKILL-LYNC (Aug 2019 - Present)

B.E. Mechanical Engineering, St.Peter's college of eng and tech(Anna University), India, GPA- 7.17/10 (May 2019)

Course Projects

Computational Fluid Dynamics(CFD) meshing of a BMW M6 model, Skill-Lync

- Performed surface mesh on the model
- Meshed with different element size for more precise result.

Advanced CFD meshing of a Front-Panel and Hood of a car, Skill-Lync

- Performed surface mesh using midpoints procedure for the time reduction to increase efficiency
- Quality checks according to the parameters for better meshing results.

Meshing of IP substrate using mid plane surface extraction, Skill-Lync

- IP substrate is meshed in a time saving method by using midplane extraction.

Meshing using Hypermesh and Processing using Radioss, Skill-Lync

- Analysis of rail element using Radioss

Determination of Pressure and Optimum relaxation factor using Newton Raphson Technique

- The main aim of this project is determining the minimum cushion pressure needed to break a given thickness of ice using an air cushion vehicle by breaking down the equation according to the Newton-Raphson technique.

File Parsing using Python

- To do scripting using Python for data extraction

Internship

Technical Assistant, T.V.SUNDARAM IYENGAR & SONS Pvt Ltd, Chennai (Oct 2017 – Nov 2017)

- Analyzed the process involved in servicing of heavy vehicles
- Implemented 5S technique on the shop floor
- Usage of Man-power management and Material resource management in an effective manner
- Reduced the lead time by 15% in servicing of clutch plates
- 15% reduction in the lead time

Technical Assistant, Brakes India Pvt Ltd, Chennai (May 2018-June 2018)

- Maintained process repeatability and Process accuracy
- Implemented Lean Production on the shop floor
- Output according to the customers requirement.

Other Projects

Design and Fabrication of Sheet metal Bending Machine using replaceable Dies

- Attaining best curvature of bending using minimal load
- Reduces human effort and increase efficiency
- Different dimensions can be bended respective to the grades of the sheet metal

Design and Fabrication of Automated Land Mine Detector

- Ultimate aim is to reduce human loss
- Controlled from variable distance
- Transmitting signals in faster rate through Raspberry Pie3 chipset

Other Experience

Attended the work-shop for CFD meshing using HYPERMESH

Graduate Trainee (TI Metal Forming)

(May

2019)

- Providing data for the check sheet
- Implementing quality development tools such as FMEA, 5S ,SIX SIGMA, SPC
- Pre Dispatch Inspection(PDI) checks

Publication & Presentation

Presented paper on OPOC(opposite piston and opposite cylinder) at St.Peter's College Of Engineering and Technology

Interpersonal Skills / Leadership Activities

- Passion , Dedicated and a Quick learner
- Willingness to accept Responsibilities
- Problem solving techniques and solution provider

Software Packages

- Modelling: Pro-E/Creo, SolidWorks
- Computational Analysis: ANSYS(basic),ANSA
- Statistical Data Analysis: MS-Excel,
- Others :Photoshop CS6, MS -Word

Extra Curricular Activities

- Obtained First place in Technical Connection as national level College Meet
- Runner Ups in college cricket tournaments