



Balagopal R

Mechanical Engineer

Professional Summary

To secure a responsible career in a reputed organization, where I can utilize my skills and abilities while making a significant contribution to the success of the organization.

Education

- **Mechanical Engineering** | 7.78 | KTU | 2018 – 2022
Amal Jyothi College of Engineering, Kanjirappally
- **PLUS TWO** | 8.32 | State Board
AKJM Higher Secondary School, Kanjirappally
- **TENTH** | 8.0 | CBSE
Sreyas Public School & Junior College, Ponkunnam

Projects

1. Designed & Manufactured Pineapple Sapling Winding Machine

Developed a suitable mechanism and determined the material for fabrication. Then designed a model and manufactured a pineapple sapling winding machine to help the farmers on tying up the pineapple saplings as they are facing issues while doing it manually.

2. Modelling, Realization and Manufacturing of Launch Vehicle Cutout Cover Plate in VSSC

Our project was to model and fabricate a Cutout Cover Plate for a launch vehicle. First, we learned a software known as **HyperMill** in which we created a model of our component and then fabricated the component in a CNC machine.

3. Human Powered Vehicle Challenge Conducted by ASME

Designed and modelled a human powered vehicle as part of a competition conducted by ASME. HPVC was a international level competition. Attained 12th and 15th position for Innovation and Critical Design Review in International Level.

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LinkedIn

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Skills

- Designing and Modelling Software's
 - hyper MILL
 - Creo
 - AutoCAD
- Engineering Drawing
- LaTeX
- MS Office – Excel, PowerPoint, Word

Areas of Interest

- Designing and Modelling
- Project Management
- Industrial Engineering
- Manufacturing

Personal Strengths

- Hard working
- Persistent problem solver
- Effective communication skill
- High sense of commitment and dedication
- Ability to learn and adapt to new technologies
- Good team player
- Inquisitive nature to drive improvements

Accomplishments

- Darsana IGNITE 2021 Award Winner
- YIP 2020 KDISC – State Level Winner and got selected for funding
- Human Powered Vehicle Challenge conducted by American Society of Mechanical Engineers – Got 1st and 5th in State Level and National Level for Innovation and Critical Design Review, 12th for Innovation and 15th for Critical Design Review in International Level
- IDEA Fest Winner (Inter College AJCE Competition)
- Participated in KSCSTE (Kerala State Council for Science, Technology and Environment) Tech-Fest competition
- Worked on VSSC Certified Project
- Society of energy engineering and managers (SEEM) Student Chapter Member

References

- Dr. Binu C Yeldose**
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Amal Jyothi College of Engineering, Kanjirappally, Kerala
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- Richu Zachariah**
Professor, Department of Mechanical Engineering
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Internship

Industrial Oriented 3D Printing and Prototyping Internship with **Fusion360 Software** | July 2019| By Exsight Future Pvt. Ltd

Personal Details

Date of Birth : 12 September 1999
Gender : Male
Marital Status : Single
Religion : Hindu
Nationality : Indian

Languages

Malayalam: Native language

English: C2
Proficient

Hindi: B1
Intermediate