

S. KESAVULU

Rajiv Gandhi University of Knowledge Technologies

R.K Valley, Kadapa, A.P

Phone : +919494406476

Email : kesavulu.s@rguktrkv.ac.in

kesava1276@gmail.com

Objective

To use my technical and communication skills to play an appreciable role in getting more reputation to the company which provides me the platform to design my career

Education

RGUKT, Mechanical Engineering

B.TECH CGPA: 7.81/10

PUC: 7.53/10

SSC: 93 %

Academic Projects

Organization: TML Drivelines Limited, Tata Motors, Jamshedpur

Period: 15th May-13th July 2015

Project: Implementation design for inspection of O-rings

Description: During the testing of the G1150 transmission system there is leakage problem at the rear Hub assembly due to O-Rings. Objective of my project is design, manufacture and implement a gauge to determine the actual dimensions of the O-rings.

Role: As a project trainee contributed implementation design of a gauge for inspection of O-Rings in Quality assurance department.

Project Name: Sun Brella (Solar Umbrella)

Description: The main objective of our project here is to tap the solar energy using solar photovoltaic panels which are mounted on an umbrella and use this energy to power various electronic gadgets.

Introduction: According to the sun orientation and considering panel's inclination we have implemented basic umbrella mechanism to get more energy.

Conclusion: Nowadays, Solar portable charging devices (solar umbrella and solar hat) are both possible and reliable. Exploitation of solar energy for charging and illumination is an efficient, intelligent and environmentally friendly way to use renewable energy sources to meet our energy needs.

Internship Experience

- **Summer Internship at TML Drivelines Limited, Tata Motors, Jamshedpur** [15th May-13th July 15]
Description: Contributed design of new gauge for inspection of O rings in Quality assurance department
 - **Internship Training in Bharat Earth Movers Limited a Govt. of India Mini Ratna Company** [JAN'15]
Description: Am trained and allocated in production of excavator, bulldozer at Earthmover Division.
 - **Intensive training in South Region Farm Machinery Training and Testing Institute a Govt. of India Ministry of agriculture** [FEB'15]
Description: Intensive training on Agriculture Mechanization mainly on Study, Repair, Maintenance and Overhauling of a 5 hp Single Cylinder Diesel Engine.
 - **Internship in advanced IC engines and new technologies** [DEC'13]
Description: Trained with hands-on experience in IC Engines and guided the theoretical approach of new technologies in IC engines and also presented the project at automotive industry simulation Internship (AIS).
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Industrial Visits

- Uranium corporation of India limited (UCIL) Kadapa, A.P
Description: Analyzed uranium purification plant designed by BARC
- Bharathi Polymers Pvt. Ltd
Description: Examined the raw materials for PVC and polymer industry, water treatment, chemicals and paint driers
- Samyu Glass Industry
Description: Observed different types of glass making processes

Relevant course work

- **Computer Skills:**
Altair Hyper works – Motion View and CATIA
OS: Windows, Linux
- **Shop/Lab Skills:**
Manufacturing Process lab Metrology
3D Printing Machine Drawing

Basics in C and Python
Microsoft Office

Applied Thermodynamics

Co-curricular activities

- Participated in the Inspire Internship Science Camp Feb'12
- Organised workshop on IC engines during viprasta'14 held at our campus
- Organising services for departmental Mech club
- Exhibited solar umbrella prototype and demonstrated to the Chief Minister of AP during first convocation held at RGUKT RK Valley

Extracurricular activities & Interests

- Effectively led my team as a skipper to win the intra college tournament during the Dhatukriya'14
- Rendered valuable service as web casting technocrat in general election 2014 and bye-election2012
- NSS volunteer and coordinated swatch bharat campaign in our college
- Event organizing team member of 'Abhiyanth 2k15', a techno management fest in our college
- Passionate about cricket game and very keen to travel to experience different cultures

Achievements

- TML Drivelines Ltd accepted my designs of new gauge for inspecting of O-rings proposal
- Secured national means merit scholarship (NMMS)
- Agastya International foundation young instructor scholarship for guiding students
- Succeeded in promoting HONDA as a cosponsor for Technothon'15 a departmental tech fest in Abiyanth2k15

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Yours Sincerely
S. Kesavulu