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-500043

Objective

To work in a leading organization, which could provide me with a stimulating work environment and opportunities to continuously develop and learn perspectives so as to enable me to utilize and hone my conceptual, analytical and organizing skills.

Education

Indian Institute of Technology Guwahati M.Tech, Mechanical Engineering,	Guwahati, July '10 (CPI 7.1)
Jawaharlal Nehru Technology University B.Tech, Mechanical Engineering	Hyderabad, May '08 (69.20%)
Andhra Polytechnic Diploma in Automobile Engineering	Kakinada, April '01 (66.77%)
Z.P.H School SSC	Satulur, March '98 (66%)

Computing Skills: C, MatLab, Windows 98/2007/XP, Vista, AutoCAD, Ansys,
Computerized wheel alignment and balancing.
Injection molding operation

Work Experience: worked as technician in automotive field (2001-2004)

M.Tech Project: (sponsored by DST- Govt of india)

- Design, Development and Performance Evaluation of Asymmetric Composite Gear.

Brief description: Innovative gear designs are essential to meet the increasing demands of high endurance, low cost, long life, and high speeds in many applications. Conventional gears are having symmetric teeth; however most of the applications necessitate power/motion transmission in one direction. This unidirectional transmission leads to the design of asymmetric teeth in a gear. In this work, unreinforced polypropylene material is injection molded into asymmetric spur gears and tested with in-house developed gear test rig. Transmission efficiency and service temperature promises wide scope for asymmetric composite gears in motion transmission application.

B.Tech Project:

- Study of marine propeller shaft design.

Diploma Project:

- Reconditioning of honing, reboring, crankshaft grinding machine in automobile lab.
- Renovation and reconditioning of left-hand drive Mahindra -jeep.

Area of Interest: Design, Automation Design and analysis, Modern Control Design.

Achievements & Extra Curricular Activities

- Journal (*SPRINGER*) paper (Injection Molded Asymmetric Spur Gear - Development and Preliminary Performance Evaluation) accepted in *International Journal of Plastics Technology*.
- Secured 91.1 Percentile in GATE-2008 and an All India rank of 1415.
- Presented a paper on "asymmetric composite gear performance" at the 7th (CIRP) Global conference on sustainable manufacturing.
- Active Member in *Arpitha* social service. Organizing by IIT Guwahati students.
- Organized janmabheemi sports meet-1998, ZP School Satulur.
- Captain of ZP School Satulur kho-kho Zonal Team.
- Mess maintenance secretary in (Andhra polytechnic college) Hostel.

- **Willing to relocate:** Yes
- **Ready to join right now:** Yes

Personal Information

Date of Birth: 6th April, 1983
Sex: Male
Nationality: Indian
Permanent address: Satulur (post), Nadendla (mandal), Guntur (district),
Andhra Pradesh-522549
Languages known: Telugu, Hindi and English

Disclaimer: I hereby declare that particulars given herein are true to the best of my knowledge and belief.

K. Reddy
10/05/11