Tejas Chandrashekhar Konde

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Education

University of Texas at Arlington 2014-2016
MS in Mechanical Engineering **(GPA: 3.83/4.00)**
Courses: Control system components, Electronic packaging, Fluid Dynamics, Automotive Engineering, Finite Element Methods, Thermal conduction.

University of Pune 2011-2014
Bachelors in Mechanical Engineering **(62.5%)**
Courses: Cryogenics, Heat transfer, Refrigeration and Air conditioning, Manufacturing processes, Applied Thermodynamics.

Experience

John Deere India Jan 2011-July 2011
Technical Trainee (Engine Assembly Department)

- In-plant training included assembling various major engine components.
- Worked on SAP system used in production planning.
- Conversant with concepts of 5S, 6 sigma and TPM.

Projects

Analysis of shock absorber using aluminum and copper as spring materials:
Structural analysis done to validate the strength and modal analysis done to determine displacement

Effective cooling of Microelectronics packages-compact models
Modified a PCB structure which has 6 DIP, 6 BGA, 9 TO-220, 2 PQFP type packages.
Thermal testing of PQFP packages to modify the board and reduce temperature from 70^{o}C to 32^{o}C using Icepak simulation.
Reliability analysis at micro-nano level to improve MEMS in ANSYS workbench.

Working of Transaxle and Hydraulic braking system
Fabricated a cut section of assembly of Transmission, Differential, Front axles and Hydraulic brakes which were driven by electric motor.

Design and manufacturing of conference vendor car
Fabricated a vendor cart using bicycle which is more reliable and ergonomically superior to use for small vendors instead of the conventional cart.

Seminars

Stealth technology used in modern day warfare
Working of modern day stealth fighter jets and ships and their footprints visible on advanced radars.

Advanced composite materials used in aircrafts
History of composites and their current use in aircrafts.

Skills

Ansys, Catia, Pro-E, Icepak, Autocad

Extracurricular

Organized various technical and non technical events at college level.
Highly motivated leader as well as a team worker.
Quick learner with excellent oral communication.