

PHANI KUMAR MALLISETTY

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Residence

Scientist Apartment B-5
CMERI New Colony,
Durgapur - 713209

SUMMARY

- M.Tech from IIT Delhi with 5 years of experience in Industrial Tribology and maintenance engineering
- Hands on experience in vibration signature analysis of Rolling element bearings using latest signal processing techniques
- Exposure on Rolling element bearing analysis and rolling contact fatigue
- Exposure on Bearing Lubrication and the used oil analysis equipment like Analytical Ferrography, TAN/TBN analyzer and Viscometer
- Experience on wear studies using Acoustic emissions
- Familiarity with Data Acquisition from the sensors and online condition monitoring
- Acquaintance with deriving and solving reynolds equation for hydrodynamic journal bearings and externally pressurized porous gas bearings.
- Good analytical ability, Perseverance, Keenness to learn
- Profound in communication and interpersonal skills

CAREER OBJECTIVE

To be in an esteemed organization, where I can effectively contribute my skills as well as learning new things through optimal utilization of my knowledge and contribute towards the goal of the organization.

WORK EXPERIENCE

Central Mechanical Engineering Research Institute, Durgapur

Sep'10 - Till date

Responsibilities

- *Developed* online wear monitoring software.
- *Simulated* wire drawing process in abaqus.
- *Carried out lab scale experiments* on Pin-on-disc machine to obtain AE signals and analyzed them using latest signal processing techniques
- *Developed* code in Matlab environment for finding the Acoustic emission parameters and for noise reduction using wavelet transforms
- *Analyzing* oil samples by using Ferrography, TAN/TBN, Viscometer, FTIR obtained from coal mine machinery

Designation : *Scientist*

EDUCATIONAL QUALIFICATIONS

Examination	Year of passing	University/ Institution	Grade	Marks(%) / CGPA
M. Tech. (Industrial Tribology and Maintenance Engg.)	2010	IIT Delhi	I Div.	9.603 on 10 pt scale
B. Tech (Mechanical Engg.)	2008	Gudlalleru Engineering College, Gudlalleru, JNTU hyd, A.P.	I Div.	84.10
Class XII	2004	A.P. State Intermediate Education Board	I Div.	91.10
Class X	2002	A.P. State SSC Board.	I Div	86.33

EDUCATIONAL ACHIEVEMENTS

- GATE 2008 qualified with *AIR 704*
- Awarded *Chand Rani Banarasi Dass Duggal Memorial Award* for securing high CGPA in M.Tech
- Awarded *Merit-cum-means scholarship* for three consecutive years 2005,06,07 during my graduation(2004-08)
- Won Third Prize in Technical Symposium at S.R.K.R Engineering College (24-25thjan 2007).

ADDITIONAL COMPETENCIES

- Software knowledges: MATLAB, ANSYS, MATHCAD, LABVIEW, ARMD, ABAQUS.
- Programming Languages: C, FORTRAN

RESEARCH PUBLICATION

- M. Phani Kumar, A.K.Darpe, "Fault Diagnosis in Ball Bearings using vibration monitoring", *FICCI PLANT MAINTENANCE SUMMIT-2011*, Bangalore, India, 17-18 May, 2011.
- Kumar, M. P.; Samanta, P. and Murmu, N.C*., "Investigation of velocity slip effect on steady state characteristics of finite hydrostatic double-layered porous oil journal bearing" - Proc IMECHE Part J: Journal of Engineering Tribology, Accepted for publication, DOI: 10.1177/1350650115569553.

➤ Kumar, M. P.; Samanta, P. and Murmu, N.C*., "Rigid rotor stability analysis on finite hydrostatic double layered porous oil journal bearing with velocity slip" Tribology Transactions, 58:5, 930-940, DOI: 10.1080/10402004.2015.1030054.

PERSONAL INFORMATION

Permanent Address : S/o. Krishnaiah M,
D.No. 10-75-21, Plot No: EWS-90,
Amaravathi Plots, Chenchupet, Tenali.
Andhra Pradesh, PIN: 522202

Date Of Birth : 20 -08-1987

Marital Status : Married

I, hereby, declare that the above information provided by me is true to best of my knowledge and belief .

Date:
Place:Durgapur

Phani Kumar M