

MANISELVAM N

(Mechanical Engineering)

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OBJECTIVE:

To work in a challenging and responsible position where my professional background can be utilized for the progress of the organization and to update myself with the latest technologies, so as to enable myself to establish in future.

SUMMARY:

- Professional, highly qualified Mechanical Engineer with excellent organisational and team working skills.
- Having 4.10 Year of Teaching Experience in the leading institution as an Assistant Professor.
- Doing research in area of Nano Coating, Powder Metallurgy, Machining and Composite.
- Having experience in conducting Workshop, Seminars and Conferences.
- Having experience in guiding the projects for engineering students.
- Having knowledge in Auto CAD, Pro Engineering, Solid Works and Ansys.

WORKING EXPERIENCE (4.10 Years):

- Working as **Assistant Professor of Mechanical Engineering** in **Dhirajlal Gandhi College Of Technology**, Salem (07th September 2016 to Till Date)
- Worked as **Assistant Professor of Mechanical Engineering** in **S.K.P. Engineering College**, Tiruvannamalai (14th June 2013 to 01st September 2016)

Responsibilities:

- ✓ Exam Cell Co-ordinator.
- ✓ NBA & NAAC Co-Ordinator.

Subject Taught:

- | | |
|---|----------------------------------|
| ✓ Engineering Graphics. | ✓ Design of Machine Elements. |
| ✓ Heat and Mass Transfer. | ✓ Finite Element Analysis |
| ✓ Power Plant Engineering. | ✓ Dynamics of machine |
| ✓ Engineering Materials and Metallurgy. | ✓ Design Of Transmission systems |
| | ✓ Metrology and Measurements |

EDUCATIONAL QUALIFICATION:

- **Doctor of Philosophy** (Pursuing/Part Time)in Anna University, Chennai
- **Master of Engineering** (Product design And Development) in Sona College of Technology, Salem, May 2013, **85.56%**
- **Bachelor of Engineering** (Mechanical Engineering) in Sriram Engineering College, Chennai, April 2011, **76.60 %**
- **Diploma** (Mechanical Engineering) in Thiagarajar Polytechnic College, Salem, March 2005, **93 %**

RESEARCH WORK:

- Optimization and characterization of Ni/ Nano SiC & TiC **nano coating** on Cylinder liner using **RSM**
- Electrochemical Characteristics Of A Carbon Reinforced Polymer For **Galvanic Corrosion Effect**
- Prediction of temperature rise during end milling operation of Carbon fiber reinforcement composite using **RSM**
- Micro drilling studies on Titanium Alloy using micro **ECM**.
- Synthesis and Consolidation of nano crystalline **Stainless Steel 316L** using Taguchi Methodology.
- Preparation of Iron Aluminide **nano Composite Powder** by mechanical Alloying.

PROJECT DURING THE DEGREE PERIOD:

Master of Engineering (PG)

- ✓ Performance investigation of Ni / Nano Al₂O₃ Coating on heat exchanger tubes.

Bachelor of Engineering (UG)

- ✓ Potential Process Failure Mode Effects Analysis(PPFMEA) on Break Booster Shell.

Company: Brakes India Limited, Chennai

- ✓ Design And Fabrication of Automatic Impression Forming machine.

Diploma (DME)

- ✓ Fabrication of Automatic Pneumatic Shaping machine.

ASSOCIATION MEMBERSHIP:

- **IAENG** - International Association of Engineers.

JOURNAL PUBLISHED:

- **“Experimental Analysis of Cycle Time Reduction in Machining Stainless Steel 16 Using RSM”**

Accepted to present in international Conference on Emerging Trends in Engineering and Technology (ICET-2K15). Publication – **International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562 (Listed in Anna University Annexure- II).**INDEXING: SCOPUS, EBSCO host, GOOGLE Scholar, Journal Seek,J-Gate.

- **“Design and Fabrication of Six Speed Constant Mesh Gear Box”**

International Journal Of Engineering Research and Technology, ESRSA Publications, Vol.03 Issue-9, September 2014,ISSN 2278-0181.

- **“Design And Fabrication Of Sheet Metal Cutter – Cutting Circular Profile Using Radial Drilling Machine”**

International Journal On Recent Technologies In Mechanical And Electrical Engineering (IJRMEE), November 16,Volume 3 , PP:12-15, ISSN:2349-7947.

CONFERENCES & WORKSHOP:

- Presented a paper titled **“Optimization and characterization of Ni/ Nano SiC & TiC coating on Cylinder liner using RSM”** in National Conference on at Thanthai Periyar Government institute of Technology, Vellore.
- Presented a paper titled **“Performance investigation of Ni / Nano Al₂O₃ Coating on heat exchanger tubes”** in National Conference on at AVS Engineering College, Salem.
- Attended International Pre Conference Workshop on **“Advanced Materials and Application-Polymer Matrix Composites”** held in BMS College of engineering, Bengaluru
- Attended International Workshop on **“Computer Aided Engineering And Robust Design”** held in S.K.P. Engineering College, Tiruvannamalai.
- Attended UGC Sponsored Seminar on **“Advanced Lightweight Materials for Automobile Industries”** held in PSG College of engineering, Coimbatore

ACADAMIC & CO-CURRICULAR ACTIVITIES:

- Got 100% Result In Engineering Graphics and Design of Machine Elements
- Awarded **Best Project of the year** in project Exhibition held at Thiagarajar Polytechnic College, Salem.
- Organize The National Level Technical Symposium In Sriram Engineering College, Chennai

IN-PLANT TRAINNING:

Company : Salem Steel Plant, Salem
Area : Mechanical Maintenance
Duration : 2 Weeks

COMPUTER PROFICIENCY:

Operating system : Windows xp/7/8
Packages : MS Office, Auto CAD, Pro- E, Ansys.

PERSONAL PROFILE:

Gender : Male
Date of Birth : 15th July, 1989
Father's Name : S Nagarathinam
Languages known : English, Tamil
Permanent Address : 3/113 Lakshmapuram (Post),
Pappireddipatti (T.k),
Dharmapuri (D.T),
Tamil Nadu-636905 (India)

DECLARATION:

I hereby declare that all the information given above is true to the best of my knowledge.

Place: Lakshmapuram

Yours faithfully,

Date:

(Maniselvam N)