

JITENDRA KUMAR

M.Tech (DCE,Delhi) and B.TECH(GBPUA &T Pantnagar UA)

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JOB EXPERIENCE (Total 7.5 Years)

1. Worked as lecturer in SD. College of engineering MZN, U.P for session 2005-07.
2. Worked as an asst. professor in Moradabad Institute of Technology. Moradabad U.P, for the session 2007-2011.
3. Worked as an asst. professor and HOD in ME department of SHIVALIK COLLEGE OF ENGINEERING,DEHRADUN
4. Worked as HOD of ME department DEV BHOOMI GROUP OF INSTITUTIONS SAHARANPUR U.P

PUBLICATION :

1. EFFECT OF WELDING PARAMETER ON MICRO HARDNESS OF SYNERGIC MIG WELDING OF 304L AUSTENITIC STAINLESS STEEL, IN INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING AND TECHNOLOGY (IJMET) , ISSN 0976 – 6340 (Print), ISSN 0976 – 6359 (Online), Volume 4, Issue 3, May - June (2013), pp. 337-343
2. Design and Fabrication of Multi Ball Burnishing for Post Machining Finishing Process, IN INTERNATIONAL JOURNAL OF APPLIED RESEARCH, Volume : 3 | Issue : 6 | June 2013 | ISSN - 2249-555X.
3. Performance Study of Ethanol Blended Gasoline Fuel in Spark Ignition Engine, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 7, Issue 3 (Jul. - Aug. 2013), PP 71-78
4. EMISSION CHARACTERISTICS OF A DIESEL ENGINE USING SOYABEAN OIL AND DIESEL BLENDS, INTERNATIONAL JOURNAL(IJRET), ISSN: 2319 – 1163, Volume: 2 Issue: 5, 793 – 798
5. STUDY OF TALC FILLED POLYPROPYLENE- A CONCEPT FOR IMPROVING MECHANICAL PROPERTIES OF POLYPROPYLENE, INTERNATIONAL JOURNAL(IJRET), ISSN: 2319 – 1163, Volume: 2 Issue: 4, 411 – 415
6. Theoretical Exergy Analysis of HFO-1234yf and HFO-1234ze as an Alternative Replacement of HFC-134a in Simple Vapor Compression Refrigeration System, International Journal of Scientific & Engineering Research, Volume 4, Issue 8, August-2013, ISSN 2229-5518
7. Exhaust Gas Analysis and Parametric Study of Ethanol Blended Gasoline Fuel in Spark Ignition Engine American Journal of Engineering Research (AJER) e-ISSN : 2320-0847 p-ISSN : 2320-0936,Volume-02, Issue-07, pp-191-201
8. Thermodynamic Analysis of BaCl₂-NH₃ Filled Adsorption Refrigeration System, International Conference on Smart Technologies for Mechanical Engineering, (STME-2013) 25-26 October, 2013
9. Thermodynamic Analysis and Comparison for “COP” In Solid Adsorption Refrigeration Systems (BaCl₂-NH₃ & SrCl₂-NH₃) International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014 ISSN 2229-5518

EDUCATIONAL QUALIFICATIONS

COURSE	YEAR	UNIVERSITY/BOARD
M.Tech (Thermal Engineering)	2011-2013	Delhi Technological University(formerly Delhi college of engineering), Delhi
B.E (Mechanical Engineering)	2001-2005	Govind Ballabh Pant University of Agriculture and Technology Pantnagar, Uttarakhand
12 th	1997	U.P BOARD
10 th	1995	U.P BOARD

GATE QUALIFIED 2005, 2006, 2009,2010,2011,2012, 2014, 2015

AREAS OF INTEREST

- Thermodynamics
- Heat and Mass Transfer
- Machine design 1&2
- Mechanical vibration
- Refrigeration and air Conditioning

ACADEMIC PROJECTS

- **B.E. PROJECT:** Theoretical Study of Heat Exchangers.
- **M.Tech PROJECT:** Thermodynamic analysis and comparison for COP in salt metal chloride packed bed systems

COMPUTER PROFICIENCY

- Software known: EES
- MS-Office (MS-Excel, MS-Word, MS-Power Point) programs in excel.

CO-CURRICULAR ACTIVITIES

1. Worked as a convener of MESS SOCIETY in MIT,Moradabad U.P
2. Worked as a member in OCDC centralized society of debate competition MIT Moradabad.
3. Attended a faculty development programme on quality teaching to budding engineers (01/07/2007).
4. Attended one day workshop on faculty training &development organized by department of mechanical engineering on (05/05/2008).
5. Attended two days national conference organized by the mechanical department on (28 Feb. & 1 march.2009).
6. Successfully participated in two day program on **Jawaharlal Nehru national solar mission (emerging trends& opportunities for career in solar) at New Delhi India.**
7. Successfully participated in the **“international symposium on concentrated solar power (CSP): opportunities for India”on 23rd Jan, 2012.**
8. Attended national conference (**Innovation and Advancement in Mechanical Engineering**) as key speaker in Shobhit University Gangoh UP. On 25 April, 2015.