

## CURRICULUM VITAE

Vishal Vasistha  
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### Objective:

To get a challenging position in Teaching Department of Institutes/Colleges/Universities which allows for broadening professional experience and room for growth toward technical expertise.

### Area of Interest:

- Diesel Engines
- Diesel Emulsified Fuels

### Research Publication/Book Chapter/Conference:

- “Analyzing the storage stability of diesel emulsified fuels: A comparative standpoint” Energy Sources, Part A: Recovery, Utilization, and Environment Effects 2020. Doi: 10.1080/15567036.2020.1839602 (SCI Indexed)
- “Numerical investigations on water-ethanol-diesel emulsified fuel” Simulations and Optical Diagnostics for Internal Combustion Engines (Book Series – Energy, Environmental, and Sustainability) 2020, Springer. Doi: 10.1007/978-981-150335-1\_4
- “Hydrous Ethanol-Diesel- $\text{Al}_2\text{O}_3$  Nanoemulsified Fuel Characterization, Stability and Corrosion Effect” Energy & Fuels 2019, 33, 6890-6903. Doi: 10.1021/acs.energyfuels.9b00049 (SCI Indexed)
- “Thermodynamics of carbon nanotubes and soot formation” Air Pollution and Control (Book Series – Energy, Environmental, and Sustainability) 2018, Springer. Doi: 10.1007/978-981-10-7185-0\_9
- “Remote access for fully automatic multi-input multi-output water level control system using SCCT in LabVIEW environment” IOSR Journal of Electronics and Communication Engineering 2014, 9 (1), 42-45. Doi: 10.9790/2834-09114245

- “Effects of pollutants produced by thermal power plant on environment: A review” International Journal of Mechanical Engineering and Robotics Research 2014, 3 (2), 202-207 (Scopus Indexed)
- “Providing additional source of energy in a vehicle using piezoelectric material with no recurring cost” International Journal of Mechanical Engineering and Robotics Research 2014, 3 (1), 127-129 (Scopus Indexed)
- “Review on MHD generators” International Journal of Mechanical Engineering and Robotics Research 2014, 3 (2), 216-222 (Scopus Indexed)
- “Pick and place operation robot with stud mechanism” International Journal of Mechanical Engineering and Robotics Research 2014, 3 (1), 350-351 (Scopus Indexed)
- “PID output fuzzified water level control in MIMO coupled tank system” International Journal of Mechanical Engineering and Technology 2013, 4 (4), 138-153.
- Presented Research Paper in National Conference on “Recent Trends in Engineering, Technology & Management for Sustainable Development (RTETMSD – 2013)” at MVN University, Palwal (Haryana)

#### **Educational Qualifications:**

- PhD (Thesis submitted) in Alternative fuels (Mechanical) with 8.5 CGPA at National Institute of Technology, Jalandhar, Punjab (2016-Till now)
- MTech in Mechatronics (Mechanical) with 7.5 CGPA at National Institute of Technology, Surathkal, Karnataka (2011-2013)
- B.E. in Aeronautical Engineering with 57% from Aeronautical Society of India, New Delhi, 2008
- Passed 10 + 2 (PCM) with 79.69% from Rajasthan Board of Secondary Education, 2001
- Passed 10th with 81.17% from Rajasthan Board of Secondary Education, 1999

#### **Software tools:**

- Operating Systems: Window 7
- Office Applications: MS Office
- Engineering Applications: Origin, Design Expert, Engine LabSoft, Matlab (Simulink), CATIA V5, CNC Train Simulation

#### **Experience details:**

- **Worked as Assistant Professor in Mechanical Engineering department from June 2014 to Feb. 2016 (21 Months) in Jaipur National University Jaipur, Rajasthan**
- **Worked as Assistant Professor in Mechanical Engineering department from Jan. 2014 to June 2014 (06 Months) in Dronacharya College of Engineering Gurgaon, Haryana**
- **Worked as Assistant Professor in Mechanical Engineering department from July 2013 to Dec. 2013 (06 Months) in G. L. Bajaj Group of Institutions Mathura, U.P.**
- **Worked as Assistant Faculty of Mechanical Engineering in SC-ST Cell Teaching Program at National Institute of Technology Surathkal during July 2012-Dec 2012 session (06 Months)**
- **Worked as Assistant Professor in Mechanical Engineering department from April 2010 to May 2011 (14 Months) in Shekhawati Group of Institutions Sikar, Rajasthan**
- **Worked as Aeronautical Faculty June 2009 to Mar. 2010 (10 Months) in Visvesvaraya Institute of Aeronautical Engineering & Technology Udaipur, Rajasthan**
- **Worked as AeSI Instructor from Jan. 2009 to June 2009 (06 Months) in School of Aeronautics, New Delhi**

#### **Achievements:**

- **Secured AIR-5 (XE) with GATE SCORE-686 in GATE-2011**
- **Participated in One-Day WORKSHOP on VIRTUAL INSTRUMENTATION laboratory organized by NITK, Surathkal at K.V.G. College of Engineering, Sulia (Karnataka) as a Workshop Mentor**
- **Participated in One-Day WORKSHOP on Mechanical CAD organized by CADD Centre Jaipur at Jaipur National University Jaipur, Rajasthan**
- **Participated in Ten-Days WORKSHOP on Fluid Mechanics under NMEICT, MHRD organized by Dronacharya College of Engineering Gurgaon, Haryana**
- **Conducted One-Day University Practical Examination of Workshop Lab for B. Tech. 1<sup>st</sup> Semester students at Suresh Gyan Vihar University Jaipur, Rajasthan**
- **Participated in One-Week Short Term Course on IC Engine Fuels & Combustion Technologies (ICEFCT-19) under TEQIP-III at National Institute of Technology Jalandhar, Punjab**

- Served as Organizing Committee member of 19<sup>th</sup> ISME Conference – Advances in Mechanical Engineering at National Institute of Technology Jalandhar, Punjab
- Served as Volunteer in 1<sup>st</sup> International Conference on Materials Science and Engineering at National Institute of Technology Jalandhar, Punjab

#### Strengths:

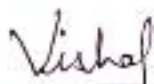
- Discipline, Hardworking, Positive attitude
- Stability of performance under pressure
- Adaptive nature in different environment

#### Personal Profile:

Name	:	Vishal Vasistha
Father's Name	:	Late Dr. Naresh Chandra Sharma
Date of Birth	:	9 <sup>th</sup> March, 1986
Sex	:	Male
Nationality	:	Indian
Language Known	:	English & Hindi
Passport No	:	H0311152
PAN No	:	AINPV6880A

#### Declaration:

I hereby declare that the above-furnished information is correct and I am responsible for its accuracy.



Signature  
(Vishal Vasistha)