

## CURRICULUM VITAE

**VIKAS MEHTA**  
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### CAREER OBJECTIVE

Based on specialization in Mechanical Engineering and interpersonal skills, seeking for job in Mechanical Engineering field so as to utilize my potential & skills.

### EDUCATIONAL QUALIFICATION

- B. Tech. in Mechanical Engineering in First Division from **Jasdev Singh Sandhu Institute of Engineering & Technology** (under Punjab Technical University, Jalandhar), Kauli, Patiala.
- M. Tech. in Mechanical Engineering in First Division from **Giani Zail Singh- PTU Campus** (under Punjab Technical University, Jalandhar), Bathinda.

Qualification	Session	Board/Univ.	Marks Obtained/ Total Marks	Percentage (%)
M. Tech. (M.E.) Aggregate	2013-15	P.T.U.	1491/2150	69.3
B. Tech. (M.E.) Aggregate	2009-13	P.T.U.	5420/6950	77.98
+2 (Non-Medical)	2008-09	PSEB, Mohali	299/450	66.44
Matriculation	2006-07	PSEB, Mohali	475/650	73.07

### ADDITIONAL QUALIFICATION

- One Year Advance Diploma in Computer Application (ADCA) with A Grade from **APT Education Society** Patiala, Punjab w.e.f. 05 Jan 2008 - 30 Dec 2008

### EMPLOYMENT EXPERIENCE

- Working as an **Assistant Professor** in Mechanical Engineering Department at **Aryabhata Group of Institutes**, Barnala, Punjab w.e.f. 17 Aug 2015 to till Date.
- **Subjects of Teaching:** Computer Graphics (BTME-103), Strength of Materials-I (BTME-301), Manufacturing Processes-I (BTME-305), Fluid Mechanics (BTME-403), Applied Thermodynamics-II (BTME-404), Manufacturing Processes-II (BTME-405), Automobile Engineering (BTME-505), Optimization Techniques (DE/PE-3.2)
- **Job Responsibility:** Teaching Mechanical Subjects, Academic Record Maintenance, Printing Cell Coordinator for May 2016 Exams

### M. TECH. THESIS RESEARCH

- Presented and submitted Thesis Report on “**To investigate the Performance of Single Cylinder Four-Stroke Compression Ignition Engine using Different Blends of Linseed Biodiesel**”
- **Description:** Prepared Biodiesel from the Linseed oil by Two-Stage Transesterification process and different Blends were prepared with Diesel i.e. LME25 (25% Linseed Methyl Ester & 75% Pure Diesel), LME50 (50% Linseed Methyl Ester & 50% Pure Diesel), and LME75 (75% Linseed Methyl Ester & 25% Pure Diesel). These Blends were tested on Single Cylinder Four-Stroke Compression Ignition Engine by varying Load (0, 2, 4, and 6 Nm) and Compression Ratio (13.7, 15.4 and 17.5) to check and compare the Performance Parameters with Pure Diesel & to optimize Compression Ratio.

### B. TECH. SIX MONTHS INDUSTRIAL TRAINING

- 2X700 MW Supercritical Thermal Power Plant-Boiler Unit from **Larsen & Toubro Power** (Thermal Power Plant Construction), **Rajpura Thermal Power Plant**, Rajpura, Patiala, Punjab w.e.f. 15 Dec 2012 - 31 May 2013
- **Description:** The Project activity involved setting up of 2X700 MW Super-Critical Coal Fired Water Tube Boiler power generation units. To study the Construction and Erection procedure; Plant Layout and Design; Techniques; Tools, Machines, Equipment used; Boiler Equipment and Accessories; Different Testings for Pressure Parts; Materials used for Pressure Parts.

### B. TECH. SEVENTH SEMESTER PROJECT

- **Four-Wheel Counter-Phase Steering System** using sliding ‘L’ shaped Cam Joint link mechanism mounted on I-Section frame.

### B. TECH. SIX WEEKS INDUSTRIAL TRAINING

- Study & Analysis Of Automobile Parts (Piston, Piston Pin & Piston Ring) And Their Manufacturing Processes from **Federal Mogul Goetze (India) Ltd.**, Bahadurgarh, Patiala, Punjab w.e.f. 06 June 2011 - 15 July 2011
- **Description:** The Project activity involved the Study & Analysis of Automobile Parts and their Manufacturing Processes. The Automobile Parts includes Piston, Piston Pin & Piston Ring. The Manufacturing Processes involved Casting, Machining, Surface Hardening and Finishing.

### ACTIVITIES

- Editor for Souvenir and Proceedings of "Review of Papers Committee" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-15) organized by Giani Zail Singh PTU Campus, Bathinda on Feb, 2015
- Attended TEQIP Sponsored **One Week Short Term Course on Advanced Research in Material, Manufacturing & Mechanical Engineering** (27-31 October 2014)
- Student Convener in Literary Committee on Annual Techno-Cultural Fest TARANNUM Sep.-Oct. 2014
- Editor for Souvenir and Proceedings of "Review of Papers Committee" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-14) organized by Mechanical Department, Giani Zail Singh PTU Campus, Bathinda on Feb, 2014
- Member of "Event Management Committee" in TEQIP-II Sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-14) on 13-14<sup>th</sup> Feb, 2014
- Attended TEQIP Sponsored **One Week Short Term Course on Recent Trends in Material, Manufacturing and Safety** (02-06 December, 2013)
- Member of P.G. Team Organization Committee on Annual Techno-Cultural Fest TARANNUM Sep. 2013
- Student Coordinator in Decoration Committee on Annual Fest BACCHANALIA-2012 at JSSIET
- Class Representative of B. Tech. Mechanical 2009 Batch.
- Attended PTU Inter Zonal Youth Fest. AAGMAN Nov. 2010 & RYTHMZ'10 Nov. 2009

### ACHIEVEMENTS

- **1<sup>st</sup> position** in M. Tech. / M. E. 1<sup>st</sup> Sem exam in session Nov 2013 and awarded the **Gold Medal** of the GZS PTU Campus, Bathinda for academic excellence.
- 2<sup>nd</sup> prize in Quiz competition in PTU Inter Zonal Youth Fest. MINERVA Nov. 2011
- 3<sup>rd</sup> prize in Poster Making in PTU Inter-College Zonal Cultural Fest. at District Level.
- Consolation prize in Painting at North Zone Cultural Centre (NZCC) Oct. 2006.

### STRENGTHS

- I can work while learning, so I can work on any Project efficiently even without any prior experience.
- Self – Motivating personality.
- I take the things from the root level and try to get the basic knowledge I know.

### SKILL SET

- Leadership skills, Team Work, Good Problem Solving Skills.
- Established ability to Analyze, Troubleshoot and Determine Technical Problems.
- Proficient in the use of Auto CAD, Computer Software, MS Office, Internet, E-mail Software.
- Excellent verbal and written communication skills in English, Hindi and Punjabi.

### NATIONAL RESEARCH PAPER PUBLISHED

- Presented paper titled "**Analysis of effects of different blends of Linseed biodiesel on the performance of four stroke engine**" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-15) organized by Giani Zail Singh PTU Campus, Bathinda on Feb, 2015
- Presented paper titled "**ABSys (Anti-Breath System)**" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-15) organized by Giani Zail Singh PTU Campus, Bathinda on Feb, 2015
- Presented paper titled "**Effect of Buttering Layer in Welding of Two Dissimilar Metals-Plain Carbon Steel and Stainless Steel**" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-15) organized by Giani Zail Singh PTU Campus, Bathinda on Feb, 2015
- Presented paper titled "**Use of CAD in Automobile & Textile Industries with various Innovative Applications**" in TEQIP-II sponsored **National Conference "Upcoming Trends in Computer Science & Engineering"** (UTCSE-14) organized by Giani Zail Singh PTU Campus, Bathinda on Dec, 2014
- Presented paper titled "**Renewable Energy Sources and Their Latest Developments With Their Benefits**" in TEQIP-II sponsored **National Conference "Latest Developments in Materials, Manufacturing and Quality Control"** (MMQC-14) organized by Giani Zail Singh PTU Campus, Bathinda on Feb, 2014

### INTERNATIONAL RESEARCH PAPER PUBLISHED

- Presented paper titled "**Effect of Capillary Tube Shapes on the Performance of Vapour Compression Refrigeration Cycle using Nano-Refrigerant**" in TEQIP-II sponsored **International Conference "Latest Developments in Materials, Manufacturing and Quality Control" (MMQC-16)** organized by Giani Zail Singh Campus College of Engineering & Technology, MRSSTU, Bathinda on Feb, 2016
- Presented paper titled "**Performance Analysis of effects of Vapour Compression Refrigeration Cycle using Nano-Refrigerant**" in TEQIP-II sponsored **International Conference "Latest Developments in Materials, Manufacturing and Quality Control" (MMQC-16)** organized by Giani Zail Singh Campus College of Engineering & Technology, MRSSTU, Bathinda on Feb, 2016
- Presented paper titled "**Use of CAD in Automobile & Textile Industries with various Innovative Applications**" in "**International Journal of Engineering Science, issue December 2014, Vol. 3**"

#### PERSONAL INFORMATION

- ❖ Name : Vikas Mehta
- ❖ Father's Name : Bhim Sain Mehta
- ❖ Mother's Name : Darshana Mehta
- ❖ Date of Birth : 04-Sep-1991
- ❖ Address : #419, School Street, Anand Nagar –A, Tripuri, Patiala, Pin-147001, Punjab
- ❖ Marital Status : Unmarried
- ❖ Nationality : Indian
- ❖ Linguistic Ability : English, Hindi and Punjabi.
- ❖ Hobbies : Painting, Writing Poetry, Designing, Sketching, Listening Music, Driving, Net surfing, Gardening, Photography, Playing games (Outdoor and Indoor)

I hereby declare that all the above particulars are true, complete and correct to the best of my knowledge.

Date: -  
Place: -



(Vikas Mehta)