

CURRICULUM VITAE

NAME: PRAJAPATI SIMIT BHIKHALAL

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ACADEMIC QUALIFICATION:

SR. NO.	EXAMINATION	SCHOOL/ COLLEGE	AFFILIATED BOARD/ UNIVERSITY	YEAR OF PASSING	%/ CPI
1	M.E. MECHANICAL (AUTO. ENGG.)	GOVT. ENGG. COLLEGE, BHUJ	GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD	JUNE 2012	8.64 CPI (81.40%)
2	B.E. MECHANICAL	FACULTY OF ENGG. & TECH., VADODARA	M.S.U. ,BARODA	MAY 2009	61.92%
4	H.S.C.	LAL BAHADUR SHASTRI VIDYALAYA, VADODARA	G.S.E.B., GANDHINAGAR	MARCH 2005	70%
5	S.S.C.	LAL BAHADUR SHASTRI VIDYALAYA, VADODARA	G.S.E.B., GANDHINAGAR	MARCH 2003	83.14 %

PROJECT:

I have done my dissertation in M.E. program on “Effect of Fuel Enrichment using Oxygenated Additives on Diesel Engine Performance”.

STTP/FDP ATTENDED:

- 1) Two Week Faculty Development Program on “Entrepreneurship” organized by A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand during 10th to 22nd December, 2018.
- 2) Interactive Value Added One Week Program on “Enhancing Verbal Communication of Faculty” organized by Applied Science & Humanities Department at A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand during 18th to 23rd June, 2018.
- 3) Training program on “Introduction to Programming Kits and Measuring Instruments” jointly organized by ISTE faculty chapter, ADIT and A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Anand during 5th to 20th December, 2017.

- 4) One week short term course on “Advances in Fluid Flow Control and Measurement Techniques” organized by Mechanical & Industrial Engineering Department, IIT Roorkee during 5th to 9th December, 2016.
- 5) One week short term training program on “Advances Recent Trends in Mechanical Engineering” organized by Mechanical Engineering Department, Vadodara Institute of Engineering, Kotambi, Vadodara during 23rd to 28th May, 2016.
- 6) A short term training program on “ Computer Aided Design using SOLIDWORKS” approved by GTU & ISTE at Department of Mechanical Engineering, Darshan Institute of Engineering & Technology, Rajkot during 23rd to 27th November, 2015.
- 7) The short term course on “ Recent Advances in Utilization of Hydrogen in Internal Combustion Engines” organized by IIT Delhi, New Delhi under the sponsorship of QIP, AICTE, Government of India during 7th to 11th July, 2014.
- 8) The short term training program titled “Content Management System; Basic Engineering Drawing (Diploma Engineering)” (Code No. DME: 22/12-13) organized at NITTTR Extension Centre, Ahmedabad from 30th July to 1st August, 2012.

WORKSHOP/SEMINAR/CONFERENCE ATTENDED:

- 1) One day national seminar on “Recent Advances in Welding Technology” supported by Gujarat Council on Science & Technology (GUJCOST), Gandhinagar at Vadodara Institute of Engineering, Kotambi, Vadodara on 5th October, 2019.
- 2) Two days KIA workshop on “Domain Knowledge” at H.M. Patel Career Development Centre, Anand during 19th to 20th June, 2019.
- 3) One day workshop on “Importance of Measuring Instruments in Industries” organized by Mechanical Engineering Department & ISTE-ADIT Chapter at A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 4th April, 2019.
- 4) National Conference on “Recent Research & Development in Core Disciplines of Engineering” organized by Vadodara Institute of Engineering, Kotambi, Vadodara on 2nd April, 2019.
- 5) GUJCOST-DST sponsored three days workshop on “Computational Fluid Dynamics” organized by Mechanical Engineering Department, A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand during 24th to 26th October, 2018.
- 6) KIA workshop on “Team Creativity” at H.M. Patel Career Development Centre, Anand on 25th October 2018.
- 7) Workshop organized as a part of “World Habitat Day Celebration” under the theme of Municipal Solid Waste Management at A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 5th October, 2018.
- 8) KIA workshop on “Skill for Student Parenting” at H.M. Patel Career Development Centre, Anand on 27th September 2018.

- 9) Brainstorming Session on “How to set a good Question Paper?” organized by A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 29th June, 2018.
- 10) Brainstorming Session “How to identify Real life technical Problem?” organized by A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 27th June, 2018.
- 11) Brainstorming Session on “How to write Research Proposal?” organized by A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 25th June, 2018.
- 12) Two days Workshop on “FEA of structure and thermal problems using FEASTSMT software developed by VSSC/ISRO” organized by Mechanical Engineering Department at A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 12th & 13th June, 2018.
- 13) One day state level Workshop on “Recent Trends in Energy Conservation and Management” sponsored by Institution of Engineers (India) in association with Petroleum Conservation Research Association (PCRA) and Enlec Solutions at A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 23rd January, 2018.
- 14) National Conference on “Engineering Innovations for Social and Environmental Development”, jointly organized by ISTE Gujarat Section and A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 30th December, 2017.
- 15) One day Faculty Development Program on “Design Engineering” organized by A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 15th July, 2017.
- 16) Three days Workshop on “Computational Fluid Dynamics” organized by A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand during 22nd to 24th February, 2016.
- 17) One day state level seminar on “Tribology” organized by SAL Institute of Technology & Research, Ahmedabad on 6th February, 2016.
- 18) One day seminar on “Author Workshop” organized by Gujarat Technological University, Chandkheda, Ahmedabad collaboration with Springer on 30th October, 2015.
- 19) One day Faculty Development Program on “Design Engineering” organized by Electronics & Communication Engineering Department, A.D.Patel Institute of Technology, New Vallabh Vidyanagar, Anand on 11th April, 2015.
- 20) “Faculty Development Program” of new curriculum for degree engineering program at Gujarat Technological University, Chandkheda, Ahmedabad on 22nd September, 2013.
- 21) Two days workshop on “Patenting in Engineering” organized by Gujarat Technological University, Ahmedabad at Parul Institute of Engineering & Technology, Baroda on 21st & 22nd January, 2012.
- 22) One day workshop on “Matercam X5” organized by Roshani CadCentredated on 16th December, 2011

LIST OF PUBLICATIONS:

- 1) Simit B. Prajapati and Ratnesh T. Parmar, “Evaporative Cooling Systems – A Review Study”, ADIT Journal of Engineering, December 2017, Volume 14, ISSN: 0973-3663, pp:54-59.

- 2) Ratnesh T. Parmar and Simit B. Prajapati, "Effect of Hydroxy (HHO) Gas Addition on Performance and Exhaust Emissions in 4-Stroke Spark Ignition Engine", International Journal of Fluid and Thermal Engineering, Volume 3, Issue1,05(2017), ISSN: 2455-3670, pp:001-008.
- 3) Shah Parva C., Prajapati Simit B. and Shelat Samarth J., "A Review Study on Solar Vapour Absorption Refrigeration System using LiBr-H₂O as a working pair", National Conference on Recent Research & Development in Core Disciplines of Engineering organized by Vadodara Institute of Engineering, Kotambi, Vadodara on 21st and 22nd April, 2017.
- 4) Samarth J Shelat, Nimit M Patel and Simit B Prajapati, "Performance & Analysis of Automotive Radiator - A Review" ,National Conference on Recent Research & Development in Core Disciplines of Engineering organized by Vadodara Institute of Engineering, Kotambi, Vadodara on 21st and 22nd April, 2017.
- 5) Ratnesh T. Parmar and Simit B. Prajapati, "Performance Improvement of 4-Stroke S.I. Engine Using Vapour Fuel Technology", Research Article, International Journal of Latest Technology in Engineering, Management & Applied Science, Volume III, Issue XII (December – 2014) ISSN 2278 – 2540, pp:72-76.
- 6) Simit B. Prajapati and Ratnesh T. Parmar, "Comparisons of Performance and Emission by Use of Diesel, EGM05 and DMC-EGM05 Blends of 4-StrokeMulti-Cylinder CI-Engine", Research Article, International Journal of Applied Research and Studies, Volume 3, Issue 8 (August – 2014) ISSN 2278-9480.
- 7) Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel, "Performance and Emission Improvements of 4-Stroke Multi- Cylinder CI-Engine by Use of DMC-EGM-Diesel Blends – Research Paper", International Journal of Advanced Engineering Research and Studies, Vol. I/Issue IV/July-Sept,2012, ISSN 2249-8974, pp: 70-73.
- 8) Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel, "Performance and emission comparison of 4-Stroke multi - Cylinder CI-Engine using EGM-diesel blend and diesel as fuel", National Conference on Emerging Vistas of Technology of 21st Century, April-2012, pp: 93-98.
- 9) Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel, "Effect of oxygenated fuel additives on performance and emission characteristics of CI engines - A Review Study", Journal of Engineering Research and Studies, Vol.III/Issue I/January-March, 2012, ISSN 0976-7916, pp: 108-110.

EVENT ORGANIZED AT ADIT:

- 1) GTU Sponsored and ISTE Approved Faculty Development Programme on "Recent Trends in Automobile Engineering" during February 4 – 9, 2019.
- 2) Webinar on "Manufacturing 4.0 Workshop with next Generation PLM" Faculty of Mechanical, & Automobile Engineering Department at Room No. 141 on 12/12/2018.
- 3) Expert Talk on "Latest Developments at Auto Majors Internationally and importance of Software Knowledge in Automotive Technology" delivered by Ravi Patel, Development Engineer, Paragon

AG, Munich (Germany) for third & final year students of Automobile Engineering Department at Mechanical Conference Hall at ADIT on 28/08/2018.

- 4) Technical Presentation Program on "Innovative thoughts in automobile sector" for third year students of Automobile Engineering Department at Workshop Automobile Laboratory Room No.103 on 03/02/2018.
- 5) One Day Workshop on "Modeling and analysis using Creo Parametric 4.0" delivered by Mr. Nirav Sharma, Krishna Cad Centre for third year students of Automobile Engineering Department at Workshop CFD Laboratory Room No.211 on 25/01/2018.
- 6) Expert Talk on "Prospects & Recent developments of Fuel Cell Technology" delivered by Pinakin Patel, Director Research, M/s Fuel Cell Energy Inc., USA for third & final year students of Mechanical, Automobile & Electrical Engineering Department at ADIT Auditorium on 08/01/2018.
- 7) Webinar on "ANSYS India on High Performance Computing" for Faculty of Mechanical, Automobile & Electrical Engineering Department at Room No. 141 on 08/12/2015.
- 8) Expert Talk on "Hybrid Vehicles" delivered by Mr. Nityam Oza, Assistant Professor, Mechanical Engg. Dept., Parul Institute of Engg. & Tech., Limda, Vadodara for third & final year students of Automobile Engineering Department at Room No. 141 on 06/10/2015.
- 9) Webinar on "Roles of Competition Law in Business Practices and Decisions" for third year students of Automobile Engineering Department at Room No. 141 on 15/09/2015.
- 10) Expert Talk on "Latest developments in IC Engines for compliance of upcoming Emission Standards" delivered by Dr. S.S. Thipse, Dy. Director, ARAI, Pune for faculty members, third & final year students of Mechanical & Automobile Engineering Department of GECT, BVM & ADIT at ADIT Auditorium on 27/08/2015.
- 11) Expert Talk on "Material Handling Equipments in Port Sector, Case study" delivered by Mr. Vishal Langalia, Project Planning Department, Anupam-MHI Industries - Anand for third year students of Automobile Engineering Department in Room No. 302 on 16/04/2015.

EXPERIENCES:

SR. NO.	DESIGNATION	INSTITUTE/ COLLEGE	FROM	TO	SALARY DRAWN
1	LECTURER	PARUL INSTITUTE (DS) LIMDA, WAGODIA	02/07/2009	20/09/2010	8000/-
2	ASSISTANT PROFESSOR	PARUL INSTITUTE LIMDA, WAGODIA	20/07/2011	05/03/2013	25,000/-
3	ASSISTANT PROFESSOR (ADHOC)	GOVERNMENT ENGG. COLLEGE, GODHRA	06/03/2013	31/07/2013	30,000/-
4	ASSISTANT PROFESSOR	A.D.PATEL INSTITUTE OF TECHNOLOGY, NEW V.V.NAGAR	01/08/2013	TILL	61,012/-

COMPUTER LITERACY:

- ✓ Basic computer knowledge
- ✓ AutoCAD

PERSONAL DETAILS:

- ✓ GENDER: MALE
- ✓ MARITAL STATUS: MARRIED
- ✓ NATIONALITY: INDIAN
- ✓ DATE OF BIRTH: 31/10/1987

LIST OF COURSES THAT I WOULD LIKE TO TEACH:

- ✓ Elements of Mechanical Engineering
- ✓ Engineering Graphics
- ✓ Fluid Mechanics
- ✓ Engineering Thermodynamics
- ✓ Theory of Machines
- ✓ Thermal Engineering
- ✓ Power Plant Engineering
- ✓ I. C. Engine

I declare the above mentioned information are true as per my knowledge.

SIMIT PRAJAPATI