

CURRICULAM VITAE

Dr. Sanjay M. Patel
Ph.D., M.Tech. (Automobile Engineering)

PERSONAL DATA :

- Name : Dr. Sanjay M. Patel
- Date of Birth : 27th February, 1979
- Sex : Male
- Category : General
- Blood Group : B⁺ (B -Positive)
- Permanent Address : 11- Kalash Park; Near Tirupati Petrol Pump;
Anand-Sojitra Road;
Karamsad – 388325 ; Dist : Anand. Gujarat. India
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EDUCATIONAL QUALIFICATION :

Ph.D. in Mechanical Engineering: September 2017

Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat

Master of Technology (Automobile Engineering) : Year 2006-2008

Veermata Jijabai Technological Institute (VJTI) ; Mumbai ;

Mumbai University; India

Year	I		II	
Semester	I	II	III	IV
SPI (out of 10)	8.6	7.6	8.38	7.00
<i>CPI (aggregate): 8.00 (Dist.)</i>				

Bachelor of Engineering (Mechanical) : Year 1996-2000

B.V.M. Engineering College ; Vallabh Vidya Nagar ;

S.P.University ; Vallabh Vidya Nagar ; Gujarat

Elective Subjects : Automobile Engineering, CAD

Year	I		II		III		IV	
Semester	I	II	III	IV	V	VI	VII	VIII
SPI(out of 10)	6.58	5.08	4.80	6.37	5.20	6.00	7.67	6.40
<i>CPI (aggregate) : 6.16 (First Class)</i>								

Schooling :

Standard	Name of The Institute	Board	Percentage Scored	Year of Passing
XII	J.N.V. High School, Surendranagar	G.S.E.B.	74.00 (Dist.)	March 1996
X	J.N.V. High School, Surendranagar	G.S.E.B.	73.14 (Dist.)	March 1994

ACADEMIC/TEACHING EXPERIENCE :

(17 Years & 6 Months)

- Associate Professor :
Automobile Engineering Department,
A.D.Patel Institute of Technology , New V.V.Nagar, Gujarat
From 1st July 2010 to till date.(31/12/2019)
Note: As a Head of the Department from 01/10/2019
- Senior Lecturer :
Automobile Engineering Department,
A.D.Patel Institute of Technology , New V.V.Nagar, Gujarat
From 22nd october 2008 to 30th June 2010.
- Lecturer :
Automobile Engineering Department,
A.D.Patel Institute of Technology , New V.V.Nagar, Gujarat
From 16th January 2004 to 21st october 2008.
- Trainee Lecturer :
Mechanical Engineering Department,
A.D.Patel Institute of Technology , New V.V.Nagar, Gujarat
From 15th July 2003 to 15th January 2004.
- Visiting Lecturer :
C U Shah Government Polytechnic, Surendranagar, Gujarat
From April 2002 to July 2003.

INDUSTRIAL EXPERIENCE :**(1 Year & 6 Months)**

- As a Trainee engineer from 15th March 2001 to 2nd March 2002 at Ellora Time Ltd., Morbi. (1 year)
- As a Production engineer from September 2000 to February 2001 at CIP Machineries Pvt. Ltd., Ahmedabad. (6 months)

RESEARCH PAPERS PUBLISHED/PRESENTED :

- Published a paper on “Selection of Parameters in Design and Analysis of Automotive Suspension System: A Review” in ADIT Journal of Engineering, ISSN: 09733663, Vol.14, No.1, pp. 49-53, December 2017.
- Presented a paper on “Performance & emission analysis of Piaggio diesel engine using exhaust gas recirculation” at 22nd ISTE annual state faculty convention and national conference at A. D. Patel Institute of Technology on 30th December, 2017.
- Published a paper on “Influence of Tire Stiffness on Automotive Quarter Car Suspension System” in Research Journal of Engineering And Technology (UGC approved Journal), ISSN: 0976-2973/2321-581X, Vol. 8, No. 2, pp. 97-100, April-June 2017.
- Published a paper on “Performance of diesel engine using measured properties of diesel and jatropha biodiesel- A review” in ADIT Journal of Engineering, ISSN: 09733663, Vol.13, No.1, pp. 37-45, December 2016.
- Published a paper on “Dynamic analysis of Automotive Full Car Passive Suspension System” in European Journal of Scientific Research (SJR listed Journal with Scopus index), ISSN: 1450-216X/1450-202X, Vol. 142, No.4, pp. 369-373, October 2016.
- Published a paper on “Experimental investigation of aerodynamic drag on vehicle models using wind tunnel” in ADIT Journal of Engineering, ISSN: 09733663, Vol.12, No.1, pp. 43-45, December 2015.
- Published a paper on “Exhaust emission analysis and performance optimization of a direct injection diesel engine fuelling diesel and its blends with rapeseed oil” in Indian Journal of Applied Research, ISSN: 2249-555x, Vol.3, Issue 8, August 2013.
- Published a paper on “Investigation and analysis of Quarter car automotive suspension system using mathematical model” in Indian Journal of Research, ISSN: 2250-1991, Vol. 2, Issue 7, July 2013.

- Published a paper on “Study of performance and exhaust emissions of a 4-stroke 4-cylinder diesel engine using esterified jatropha, mustard oil and palm oil” in International Journal of Advances in Thermal Sciences and Engineering, 1(1) pp. 51-56, June 2010.
- Published a Paper on “Performance and exhaust emission of direct injection diesel engine operating on bio diesel (mustard) and its blends with diesel” in International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS), ISSN: 0974-3588, Vol.2, Issue 2, July-Dec 2009.
- A Paper Presented on “An Experimental Comparison of Performance & Exhaust Emission of 4 stroke 4 cylinder Diesel Engine using Esterified Jatropha, mustard oil & Palm oil with Diesel Fuel” in International Conference ICAME – 09 at SVNIT, Surat on 4th August 2009.
- Presented a paper on “Investigation & Analysis of Quarter Car Automotive Suspension System using Mathematical Model.”, in National Conference IAMTES-2008 at A D Patel Institute of Technology on 10th December 2008.
- Presented a paper on “Performance and exhaust emission of direct injection diesel engine using biodiesel (Jatropha) and its blends with diesel”, in National conference NCME-2008 at Thapar University on 15th December 2008.
- Presented a Paper on “Intelligent Anti Lock Brake System in Automobile” on 25th September 2005 in 2nd National Symposium on Data & Knowledge Engineering-2005.
- Presented a Paper on “Kaizen: A Winning Strategy” at S.V. Institute of computer studies, Kadi at National level seminar in January 2005.

WORK SHOPS/SEMINARS/STTPs ORGANISED & ATTENDED :

- Participated in one day seminar on “National Symposium on Data & Knowledge Engineering-2004”, on 21st February 2004, organised by ISTE chapter ADIT.
- Participated in 4 days workshop on “Exploring MATLAB for Scientific Computation & Engineering Analysis” during 8th to 11th July 2004 at ADIT.
- Participated as a Member of organising committee in Technical Exhibition for 3 days Independent Day Celebration from 13th to 15th August 2004 at ADIT.
- Participated as a Core Group Member in the “7th National Convention of ISTE Students, VISION 2020, Role of Engineering & Technology”, from 30th to 31st October 2004, organised by B & B Institute of Technology at ADIT.

- Attended 2 days programme on “Utilization of Educational Standards”, from 20th to 21st January 2005, organised by GCET, V V Nagar.
- Attended one day workshop on “Vedic Mathematics” on 17th April 2006, organised by ISTE chapter, ADIT.
- Participated in one day workshop on “Research Methodology in Engineering Education” on 22nd April 2006, at GCET, V V Nagar.
- Attended a Short Term Summer School on “Teaching-Learning Process” from 28th to 31st May 2007, organised by ISTE chapter, ADIT.
- Participated in 2 days National Seminar on “Material Research-MR 08”, at IIT Bombay in May 2008.
- Attended STTP on “Computer Graphics in Mechanical Engineering-CGME 08” during 16th to 21st June 2008, at Nirma University, Ahmedabad.
- Participated in one day workshop on “The Role of Ergonomics in Machine Design” on 26th July 2008, organised by Mechanical Department, ADIT.
- Participated in 2 days training on “Basics of Computational Fluid Dynamics” during 25th to 26th August 2008, organised by Mechanical Department, ADIT.
- Attended one day workshop on “Energy Audit – Best Practices & Lessons Learned” on 4th October 2008, organised by Energy Awareness Club in collaboration with Gujarat Energy Development Agency, ISTE Gujarat Section & The I.E.(I) Vallabh Vidyanagar local centre at A.D.Patel Institute of Technology.
- Organised a Seminar (ISTE sponsored) on “Leadership” at A D Patel Institute of Technology in April 2008.
- Attended ISTE approved one week Short Term Training Programme on “Recent Advances In Casting Processes” during 21st to 26th June 2010, at Nirma University, Ahmedabad.
- Participated in one day regional seminar on “XXI Century : Priorities in Technical and Higher Education” organized by Charutar Vidya Mandal in association with ISTE, Gujarat Section & Gujarat Technological University on 3rd August, 2011.
- Participated in one day seminar on “Design and Fabrication of Pressure Vessels using ASME Code” on 1st February 2012, at GCET, V.V.Nagar.
- Organised a seminar on CNG: A Green Fuel Technology on 28th March 2012 at A.D.Patel Institute of Technology. Speaker: Mr. Rajesh Kothari from Rohan BRC Gas Equipments Pvt.Ltd.

- Attended 2 week ISTE workshop on “Introduction to Research Methodologies” under the National Mission on Education through ICT (NMEICT) sponsored by MHRD, Government of India and conducted by IIT Bombay from 25th June to 4th July, 2012 at Remote Centre-Code 1057, Madhuben & Bhanubhai Patel Women’s Institute of Engineering, New V.V.Nagar.
- Attended 2 days workshop on “Virtual Instrumentation in Engineering Applications” sponsored by GUJCOST and Co-sponsored by NI Bangalore during March 8-9, 2013 organized by CHAMOS Matrusanstha department of Mechanical engineering, CSPIT Changa – CHARUSAT.
- Participated in one week short term training program on “Recent trends in automobile engineering” during May 13-18, 2013 at L.D.College of engineering, Ahmedabad sponsored by Gujarat Technological University.
- Participated in one week TEQIP sponsored short term training program on “Manufacturing Process Modeling & Simulation” organized by Department of Production Engineering, Birla Vishvakarma Mahavidyalaya in association with Design Tech, Pune from 6-10 January, 2014.
- Participated in one week Short Term Training Program on “Dynamic Analysis of Mechanism & Machine” organized by Mechanical and Mechatronics departments, G.H.Patel College of Engineering & Technology supported by GUJCOST and DST, during 5th to 9th January, 2015.
- Attended an expert lecture on “Recent advances in alternative fuel engines & alternative drive train technologies”, delivered by Dr. S.S.Thipse, organised by Automobile engineering department, ADIT on 27th August, 2015.
- Participated in one day 22nd ISTE annual state faculty convention and national conference on theme “Engineering Innovations for Social and Environmental Development” at A. D. Patel Institute of Technology on 30th December, 2017.
- Delivered an expert talk on “Dynamic Modeling of Automotive Systems” in ISTE/GTU sponsored Faculty Development Program on “Recent Trends in Automobile Engineering” held at A. D. Patel Institute of Technology on 6th February, 2019.
- Delivered an expert talk on “Dynamic Modeling of Automotive Systems” in ISTE/GTU sponsored Faculty Development Program on “Recent Trends in Automobile Engineering” held at A. D. Patel Institute of Technology on 6th February, 2019.

- Delivered a key note speech & chaired the technical session in National level Conference on “Recent Research & Development in Core Disciplines of Engineering” at Vadodara Institute of Engineering, Vadodara on 02/04/2019.
- Organised “One week teacher’s training program for ITC instructors” as a co-ordinator at A.D.Patel Institute of Technology, during 01/04/2019 to 05/04/2019.
- Invited as a ‘member of faculty selection committee’ in Automobile engineering at Parul University on 06/04/2019.

OTHERS :

- Editorial and Reviewer Board member of Knowledge Publishing Group (KPG) from 30.03.2019.
- Member of ‘Review Committee’ for VIER Journal of Engineering Research (VJER) from May 2019.

AREA OF INTEREST :

Alternative Fuels-Bio Diesel, Automobile Engineering Systems, Internal Combustion Engine, Thermal Engineering, Dynamic modelling.

PROFESSIONAL MEMBERSHIP :

- ISTE : Life membership
- The Combustion Institute (Indian Section), IIT Chennai : Life membership
- SAE India : Yearly membership
- ADIT ALUMNI : Life membership
- AMM : Life membership

✓ I hereby declare that the above information furnished by me is true to the best of my knowledge.

Yours Sincerely,

Dr. Sanjay M. Patel