

RESUME



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1. Name : Dr. Dhananjay Vishnuprasad Bhatt
2. Present Post : Professor, Mech. Engg. Dept., Chairman CCE, Former .Dean[alumni &Resource Generation],Former- Professor In-charge E.D. Cell& Chairman-AIC- SVNIT-SURAT
3. Pay Scale : Rs.37400—67000 GP-10000, + Applicable allowances- Pay inPB-61050/- + LTC,MEDICAL,CPDA 1LAC RS/YR+ Consultancy income
4. Age : 62+ yrs (11th May, 1955)
5. Qualifications : Ph.D. (Mech), ME, BE, DBM, IPMM, FIE [**Annexure I**]
6. Experience : 38 years(11.5 Years Industry,26.5 years in Academia) [**ANNEXURE II/III**]
7. Sponsored Projects Executed : 97 Lac (7 Projects DST, MSME, CED, COE, TEQIP & Annual Plan)[**ANNEXURE IV**]
8. Testing & Consultancy : 2.70 LAC [**ANNEXURE V**]
9. Technical Papers Published : Total No. – 74 Papers
International Journals - 11 International Conference - 26
National Journals - 06 National Conference - 31
[**ANNEXURE VI**]
10. Patent Filed/ Awards & Recognition : 08 (01- **International Patent**) / 04 [**ANNEXURE VII**]
Chairman-VC scrutiny committee-VTU Karnataka
Notification-no.GS 22 TUM 2016 Rajbhavan-Benglure
15th Sep-2016
11. Ph.D/M.Tech. Guided : 05/36 [**ANNEXURE VIII**]
12. Expert Lectures Delivered : 42 [**ANNEXURE IX**]

13. Seminar/Conference/Summer/Winter School Attended : 43 [ANNEXURE X]
Workshop/Seminar/Conference
14. /Lectures/Industrial Visits Organized : 34[ANNEXURE XI]
15. Professional Membership : 06 [ANNEXURE XII]
16. Other Activities and Achievements : 26[ANNEXURE XIII]
17. Laboratory/ Equipment Developments : **04 Nos**
[ANNEXURE XIV]
18. Countries Visited For Professional Activities : Thailand (Bangkok), 2005, (SIMMOD-2005) ;
UK –London, 2009 (WCE 2009)
CANADA—2012-March[For discussion & interaction as team-leader]
DUBAI—2014-APRIL-Alumni liaison meet
LA-USA-AUG-2017-ICAFM-2017

Dr. D. V. Bhatt
Professor & Chairman CCE,
Former Dean[AI&RG]
Former Chairman-AIC&, Prof I/C EDC
Mechanical Engineering Department
S. V. National Institute of Technology
Ichchhanath Surat 395007

ANNEXURE I**QUALIFICATIONS (Secondary Onwards):**

| Sr. No. | Examination Passed | Name of the University | Year of Passing | No. of attempts | Class / Percentage / CGPA |
|----------------|---------------------------|--|------------------------|------------------------|----------------------------------|
| 1 | SSC | Gujarat SSC Board (11 th std. with science) | 1971 | 1 st | First – 62% |
| 2 | Pre science | Saurashtra Univ. Rajkot | 1972 | 1 st | First – 61% |
| 3 | F. Y. B Sc. (A-Group) | Saurashtra Univ. Rajkot | 1973 | 1 st | First – 60% |
| 4 | B.E.(M) | Saurashtra Univ. Rajkot | 1978 | 1 st | First – 63% |
| 5 | DBM | Dr. Rajendraprasad Institute of Mgt. Bombay | 1980 | 1 st | Second –54% |
| 6 | IPMM | M.S. Uni. Faculty of Adult Education, Vadodara. | 1982 | 1 st | First – 61% |
| 7 | M. E. | South Gujarat Uni., Surat | 1994 | 1 st | First – 67% |
| 8 | Ph.D. | South Gujarat Uni., Surat | 2005 | --- | --- |

ANNEXURE II

Employment Record: Academic (26 years.)

| Sr. No. | Employer's Name | Post Held | Pay Scale | Period | Nature of work |
|----------------|---|---------------------|--|--|---|
| 1. | S. V. National Institute of Tech., Surat | Professor | 37400-67000 | 6/7/2011 - till date | Ex.Dean (Alumni & Resource generation) Responsible for T&P, Anchor Cell, E.D. Cell, IPR Cell, Incubation Centre, Teaching & Research, Lab development I/C Directorship in his absence |
| 2. | S. V. National Institute of Tech., Surat | Professor (RIL) | 37400-67000 | 02/03/2009 - 31/05/2010 | -Work load as per AICTE, Prof. I/C E.D.Cell -Teaching & Research, Lab. development |
| 3. | S. V. National Institute of Tech., Surat. | Associate Professor | 37400-67000 | 1/1/2006 - 1/3/2009 1/6/2010 - 5/7/2011 | -Work load as per AICTE, Prof. I/C E.D.Cell, Incubation centre -Teaching & Research, Lab. development |
| 4. | S. V. National Institute of Tech., Surat. | Assistant Professor | 12000-420-18300 | 06/09/2005 - 31/12/2005 | -Work load as per AICTE, Prof. I/C E.D.Cell -Teaching & Research, Lab. development |
| 5. | S. V. National Institute of Tech., Surat. | Sr. Lecturer | 12000-420-18300 10000-325-13500 | 01/06/2001 - 05/09/2005 01/01/1996 - 31/05/2001 | -Work load as per AICTE, Wardenship -Teaching & Research, Lab. development |
| 6. | Dr. S. & S.S. Gandhi College of Engineering & Technology., Surat (Govt. Polytechnic.) | Lecturer | 8000-275-13500 | 21/04/1990 - 01/03/1997 | Work load as per AICTE, Warden ship - Rector |

ANNEXURE III

Other related experience-Research/Industrial. (11 Years & 5 Months)

| Sr. No | Employer's Name | Post Held | Pay Scale | Total Emolument (Rs.) | Length of Service (date) | | Nature of work |
|--------|--|--|---------------|-----------------------|----------------------------------|------------|--|
| | | | | | From | To | |
| 1 | M/S Precision Bearings India Ltd. P.O. MANEJA BARODA | Engineer (Industrial Engg. Dept.) | 600-40-800 | 850/- | 01.08.1978 1 Years - 9 Months | 09.05.1980 | 1. To generate MIS, Labour η , machine η , Method/time study and codification. 2. Suggestion evaluation & implementation. |
| 2 | M/S T.Maneklal, A division of SLM, Maneklal. Vatva, A'bad | Industrial Engineer (Section head) | 630-45-900 | 1150/- | 21.05.1980 6 Months | 14.11.1980 | 1. To establish IE Dept, reporting sys, MIS, store sys, & time standards establishment |
| 3 | The New India Ind. Ltd., Jetalpur road, Baroda | Industrial Engineer (Section head) ----- | 850-60-1330 | 1350/- | 15.11.1980 4 Years – 9 Months | 13.08.1985 | 1. To generate MIS, Research Assignment, Method/time study 2. Development job, VCD project planning Execution & vendor developmet. 3. Codification, |
| 4 | M/S Safari Ind. Ltd. Halol-Panchmahal | Senior Ind. Engineer (Section head) | 2000-400-4000 | 3500/- | 18.08.1985 6 Months | 20.02.1986 | 1. To establish IE dept, reporting sys, MIS, store sys, & time standards establishment. 2. Job specification, plant layout |
| 5 | M/S Gujarat Narmada Auto Ltd. (under taking of GNFC) Valia, Dist-Bharuch | Asst. Executive Planning-store (Section head) Reporting to G.M. | 1400-60-2000 | 3600/- | 24.02.1986 1 Years – 1 Months | 18.03.1987 | 1. Planning organizing & procurement to Establish store sys. And project execution. 2. Planning, scheduling & supply of Material to Prod. Shops. 3. Reporting sys. |

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|---|--|--------------------|-----------------------|--------|--------------------------------------|------------|---|
| 6 | Shri Yamunaji Engg. Co. Halol- Panchmahal (Family friend's venture) | Factory Manager | 3000- 600- 6000 | 4500/- | 25.05.1987 2 Years – 10 Months | 20.04.1990 | 1. To establish SSI unit and complete operation os SSI unit, i.e.Adm. Mkt., Prod, Finance, customer relation& development of new parts, tooling etc. |
|---|--|--------------------|-----------------------|--------|--------------------------------------|------------|---|

ANNEXURE IV

DETAILS OF VARIOUS FUNDED PROJECTS

| <i>Scheme & Funded by</i> | <i>Title</i> | <i>Sanction letter No., Dt. & Amount Rs. (lakh.)</i> | <i>Date/Year of completion</i> | <i>% Utilize</i> | <i>Principal coordinators</i> |
|----------------------------------|---|---|--------------------------------|-----------------------|---|
| ModRob MHRD | Modernization of machine tool lab | 20-12/97 TS-1, 20/3/98 &RS.6.5LAC | 30-06-2001 | 100 | D.V.BHATT |
| COE MHRD | Setting up a Tribo-Maintenance Lab. | BOG (102)/ Reso-20 12/2/96 &RS. 1.98LAC | 31-03-99 | 100 | Dr. K.N.Mistry D.V.BHATT |
| R&D MHRD | Performance study of Tribological parameters on a multi cylinder 4-stroke petrol engine | F.26-1/ 2000 TS-V 28/3/2001 &RS. 8.0LAC | Submitted UC 31/03/05 | NR-77 R-32 O-60 | Dr.K.N.Mistry D.V.BHATT |
| Annual plan | To develop multi cylinder test rig for study of Tribological parameters | SVNIT/AP/RP/07-08/906 03-10-2007-08 andRS.1.18LAC | Completed | 100 | Dr.D.V.BHATT Mr. Atul shah Net working project. |
| TEQIP(services to community) | Development of single cylinder 2/4 stroke eddy current dynamometer engine test rig with LPG application | SVNIT/TEQIP/Med/ Dc Genetator Cum Motor/1940/5681/06-07 SVNIT/TEQIP/Med/ Dc Genetator Cum Motor/1940/5681/06-07 RS.7.5LAC | completed | 100 | Dr.D.V.BHATT Mr. B. M. Sutaria |
| MSME supported Incubation Centre | To promote innovation through MSME fund | No.6[19/8]/NMCP[incubator]/SVNIT/2009-10---15/3/2010RS.11.71LAC No.6[19]/NMCP[incubator]/SVNIT/09-10/29/032010 RS.20.04LAC | Completed | 50 | Dr.D.V.BHATT Member Sec. |
| Anchor Cell CED Govt. of Guj. | To establish lubrication/ condition monitoring lab | INDUSTRYCOMMISIONER- GOVT. OF GUJ.- COMMON GR FOR ALL ANCHOR CELL INSTITUTES-JUNE 2009/ RS. 50 lac (for lab) | Completed | 75 | Dr.D.V.BHATT |

ANNEXURE V

TESTING & CONSULTANCY

| <i>Sr. No.</i> | <i>Assignment</i> | <i>Name of Industry</i> | <i>Amount[Rs.]</i> | <i>Period</i> |
|----------------|--|-------------------------------|--------------------|--------------------|
| 1 | Testing & Refining of cutting oil (Chief coordinator – Dr. K. N. Mistry) | L & T, Hazira, Surat | 32,000/- | Feb. – March 1999 |
| 2 | Oil testing | Textile Industries | 4,130/- | Feb. – March 1999 |
| 3 | Up gradation of Degree engineering college, at Valia, Dist – Bharuch | Valia Institute of Technology | 7500/-per visit | Feb -08 to Feb-09 |
| 4 | Performance evaluation of modified bicycle | M/S-Divine Dynamic Pvt.Ltd | 18000/- | Sep-2010 |
| 5 | TPI Plant & Equipments of ACQUA System | SMC-SURAT | 95000/- | April-May-2013 |
| 6 | Lubricant oil testing | L&T-SURAT-HAZIRA | 12500/- | Aug - 2012 |
| 7 | Academic Guidance | Europ Study Centre-Surat | 1,50,000/- | Yrly agreement2017 |

ANNEXURE VI

RESEARCH PUBLICATIONS

| National Journal Papers | | | | |
|---|---|---|---|-------------------------|
| <i>Author</i> | <i>Title of Paper</i> | <i>Name of Journal</i> | <i>Name of Publisher</i> | <i>Month & Year</i> |
| D.V.Bhatt | Performance audit of MRP-system –a case study | Industrial Engg. Journal | Indian Institute of Industrial Engineering Bombay | Sept. 1997 |
| D.V.Bhatt Dr.R.S.Shah | Codification system for machine Mfg. Industries – a case study | Industrial Engg. Journal | Indian Institute of Industrial Engineering Bombay | March 1998 |
| D. V. Bhatt Mr. H. P. Bulsara | “Promoting Entrepreneurship culture among the engineering students – A need of nation” | The Indian Journal of technical Education | Indian Society for Technical Education New Delhi | Apr- June 2008 |
| D.V. Bhatt B.M.Sutaria K.N. Mistry | Development of Test Rig and Experimental Study to Measure Piston Ring Assembly Friction under Different Variables | Indian Journal of Tribology Volume 5 (1), | Indian Tribology Society | 2010 January |
| D.V. Bhatt M.A. Bulsara K.N. Mistry | Measurement of Piston ring wear in an I.C. Engine: A case study | Indian Journal of Tribology Volume 5 (1), | Indian Tribology Society | 2010 January |
| D.V. Bhatt S. P. Ghiya | High Sensitivity TOFD UT to Reveal Reheat Cracks in Cr-Mo-V Steel Weld | Journal of non destructive testing | ISNDT | DEC-2010 |

| International Journal Papers | | | | |
|---|---|--|---|----------------------------------|
| <i>Author</i> | <i>Title of Paper</i> | <i>Name of Journal</i> | <i>Name of Publisher</i> | <i>Month & Year</i> |
| D.V. Bhatt Sutaria B.M. Mistry K.N | Simulation of Piston Ring Friction Models of Single Cylinder Internal Combustion Engine | World Applied Science journal | WSAT on line journal | Vol 7 (8)Pp 998-1003, 2009 |
| D.V. Bhatt Hetal Trivedi | Renewable Resources Used For Sea Water Disalination | International Journal of Advanced Engineering Research and Study E-ISSN2249-8974 | IJAERS | VOL-1-ISSUE-1-OCT-DEC-2011/35-41 |
| D.V. Bhatt M.A. Bulsara K.N. Mistry | Measurement of Oil Film Thickness between Piston Ring and Liner using Strain Gauge | Industrial Lubrication and Tribology | Emerald Group Publishing Limited [Issn 0036-8792] | 2013 vol. 65(5), pp. 297-304 |

| | | | | |
|---|---|---|---|--|
| D.V. Bhatt M.A. Bulsara K.N. Mistry | Measurement of Oil Film Thickness for Complete Stroke Length in an Unfired I C Engine | Industrial Lubrication and Tribology | Emerald Group Publishing Limited [Issn 0036-8792] | Vol. 65, 6th Issue (Sept.) of 2013.) |
| D.V. Bhatt, Sudeep Ingole, Archana Charanpahari, Amol Kakade, S.S. Umare, Jyoti Menghani | Tribological Behaviour of Nano TiO ₂ as an Additive in Base Oil | International Journal on Science and Technology of Friction, Lubrication & Wear | Elsevier Publication | Vol 301, issue 1-2, April– May 2013, Pages 776–785 |
| D.V. Bhatt, Amol Kakade, Sudeep Ingole, J.V. Menghani | Tribological Behavior of Sugar Mill Roller Shaft in Laboratory Simulated Conditions | International Journal on Science and Technology of Friction, Lubrication & Wear | Elsevier Publication | Vol 301, issue 1-2, April– May 2013, Pages 1568–1572 |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | Experimental investigation of machinability parameters in high-speed micro-end milling of titanium (grade-2) | International Journal of Advanced Manufacturing Technology | SPRINGER | July.2015 |
| Hetal Trivedi D. V. Bhatt | Effect of Lubricating Oil on Tribological behaviour in Pin on Disc Test Rig | International Journal of Tribology in Industry | ---- | Vol. 39, No. 1 (2017) 90-99 |
| Amol Kakade, Sudeep Ingole D.V. Bhatt, J.V. Menghani | Tribochemistry of sugar mill roller shaft materials | Materials Today Proceedings | Elsevier Publication | Vol. 4 (2017) 434-441 |
| Satish More D.V. Bhatt, J.V. Menghani | Recent Research status on erosion wear – an overview | Materials Today Proceedings | Elsevier Publication | Vol. 4 (2017) 257-266 |
| Chakradhar Bandapalli B M Sutaria D V Bhatt K K Singh | Experimental investigation and estimation of surface roughness using ANN, GMDH & MRA models in high speed micro end milling of titanium alloy (Grade 5) | Materials Today Proceedings | Elsevier Publication | Vol. 4 (2017) 1019-1028 |

| International Conference | | | | |
|---------------------------------|---|---------------------------|---|-------------------------|
| <i>Author</i> | <i>Title of Paper</i> | <i>Name of Conference</i> | <i>Name of Organizer/ Publisher</i> | <i>Month & Year</i> |
| D.V.Bhatt Dr.K.N.Mistry | Scope of Tribological study in automobile engine under alternative fuel application | SITC2002 Poland | Department. Of Mechanics University of Zielona Gora, Poland | 25-28 Aug.2002 |
| D.V.Bhatt | Experimental study of friction | ICET-2003 | KIIT | 19-21 |

| | | | | |
|---|---|--|--|------------------------------|
| Dr.K.N.Mistry | under different variables on a piston-cylinder assembly-A case study | | Bhubaneshwar | Dec.2003 |
| D.V.Bhatt Dr.K.N.Mistry | Lubricants-A key factor in automobile engine | ICET-2003 | KIIT Bhubaneshwar | 19-21 Dec.2003 |
| D.V.Bhatt Dr.K.N.Mistry | Experimental study of Friction under different variables on a piston-cylinder Assembly-A case study | ICME-2003 | BUET-Dhaka | 26-28 Dec.2003 |
| D.V.Bhatt Dr.K.N.Mistry Nilesh Sheth | Theoretical modeling and simulation of PRA friction of an IC engine | ASME-2004 Tribology | ASME California USA | 26-27 Oct.2004 |
| D.V.Bhatt Dr.K.N.Mistry Nilesh Sheth | Modeling, Simulation and experimental comparison of various piston ring assembly friction of a 2-stroke single cylinder IC engine | SIMMOD 2005 | AIT Bangkok Thailand | 16-19 Jan. 2005 |
| Dr. D.V.Bhatt Mr. B.M. Sutaria Dr.K. N. Mistry | Theoretical Analysis of Various PRA friction Models of An I.C. Engine - An over view | International Conference on Industrial Tribology, | IISc, Bangalore | 30th Nov to 2 Dec 2006 |
| Dr. D.V.Bhatt Mr. B.M. Sutaria Dr.K. N. Mistry | Friction force analysis in Piston ring assembly under motorized condition of a gasoline engine. | First international conference on RTME-08 | SUEC, Maholi | 23-25 Jan 2008 |
| Dr .D .V. Bhatt, Mr. B.M. Sutaria | Simulation of Friction Models And Experimental Study on an IC Engine | International Conference | Pondichery Engg. College- Pondichery | 7-9 Jan 2009 |
| Dr. D. V. Bhatt Mr. S. P. Ghiya Dr. R. V. Rao | Stress Relief Cracking in Advanced Steel Material-Overview | WCE-2009 | London, UK | 1-3 July 2009 |
| Dr. D V. Bhatt Mr. M. A. Balsara Dr. K. N. Mistry | Prediction of oil film thickness in piston ring cylinder assembly in an IC engine : A Review | WCE-2009 | London, UK | 1-3 July 2009 |
| Dr .D .V. Bhatt, Mr. B.M. Sutaria Dr.K. N. Mistry | Simulation and Modeling of Friction Force and Oil Film Thickness in Piston Ring-Cylinder Liner Assembly of an I C Engine | WCE-2009 | London, UK | 1-3 July 2009 |
| Dr .D .V. Bhatt, Mr. B.M. Sutaria Mr. Atul Shah | Experimental Study and Analysis Of Temperature Variation in Multicylinder Motorized Engine Test- Rig Under Different Lubricants -A Case Study | WCE-2009 | London, UK | 1-3 July 2009 |

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|--|---|---|--|------------------------------|
| Dr .D .V. Bhatt,Mr. B.M. Sutaria A. S. Chaudhari | Simulation of PRA friction force for Single cylinder four-Stroke S.I. engine under motorized condition. | Advances in mechanical engineering (ICAME-2009) | MED, S.V.N.I.T, Surat | PP.502-507 August, 2009 |
| Dr .D .V. Bhatt, Mr. B.M. Sutaria | Optimization of Reciprocating Friction -Wear Test Rig Operating Parameters for Segmented Piston Ring - Liner Assembly | ICATES 2013 | L.D. College of Engineering, Ahmedabad, Gujarat, India | 15-17, Oct 2013 |
| Mr. Atul Shah Dr .D .V. Bhatt, | Experimental Study and Analysis Of Temperature Variation in Multicylinder Motorized Engine Test- Rig -A Case Study | ICATES 2013 | L.D. College of Engineering, Ahmedabad, Gujarat, India | 15-17, Oct 2013 |
| Mr.B.K.Sonigra Dr. B.M.Sutaria Dr .D .V. Bhatt, Dr .M .K.Bhatt, | Study on the Effect of Blend Oil with Based Oil Analysis | ICATES 2013 | L.D. College of Engineering, Ahmedabad, Gujarat, India | 15-17, Oct 2013 |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | High Speed Machining of Ti-alloys- A Critical Review | INACOMM | IIT ROORKEE | 18-20 Dec. 2013 Presented |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | Analysis Of Top Burr Formation In High Speed Micro End Milling Of Commercially Pure Titanium | AMPD | SVNIT SURAT | 10-11 Jan. 2015 Presented |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | Estimation of Burr Formation on Ti-6Al-4V in High Speed Micro End Milling by Experimental Investigation and ANFIS Methodology | COPEN 9 | IIT MUMBAI | 10-12 Dec. 2015 Presented |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | Experimental Investigation and Estimation of Surface Roughness using ANN, GMDH & MRA models in High Speed Micro End Milling of Titanium Alloy (Grade-5) | ICMPC-2016 | MNIT BHOPAL- GRIET HYDERABAD ELSEVIER | 12-13 Mar. 2016 Presented |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | Performance of Coated and Uncoated Tungsten Carbide End Mills in High Speed Micro Milling(Grade-23) | ICEMS-2016 | Jaipur National University, Jaipur, India | 17-19 Mar. 2016 Presented |
| S. R. More D.V. Bhatt J. V. Menghani | Recent Research Status on Erosion Wear – An Overview | ICMPC-2016 | MNIT BHOPAL- GRIET HYDERABAD ELSEVIER | 12-13 Mar. 2016 Presented |

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|---|--|------------|---|------------------------------|
| S. R. More D.V. Bhatt J. V. Menghani | Recent Research Status on Laser Cladding as Erosion Resistance Technique – An Overview | ICEMS-2016 | Jaipur National University, Jaipur, India | 17-19 Mar. 2016 Presented |
| A. B. Kakade Sudeep Ingole D.V. Bhatt J. V. Menghani | Tribochemistry of sugar mill roller shaft material | ICMPC-2016 | MNIT BHOPAL-GRIET HYDERABAD ELSEVIER | 12-13 Mar. 2016 Presented |

| National Conference | | | | |
|--|--|---|--|--|
| <i>Author</i> | <i>Title of Paper</i> | <i>Name of W/Shop/Conference/Seminar/ Journal</i> | <i>Name of Organizer/ Publisher</i> | <i>Month & Year</i> |
| D.V.Bhatt | Value Engineering & Analysis of a Metal Reed Packing –A case study | W/Shop on Value Engg. | NITIE Mumbai | 31 Aug.-11 Sep.1981 |
| D.V.Bhatt Dr.K.N.Mistry | Friction measurement in a Reciprocating system-A case study | IPROM-2000 W/Shop | Priyadarshani Engineering College Nagpur | 19-20 Jan 2001 |
| D.V.Bhatt &H. Bulsara | A model Approach to avoid industrial sickness | Rehabilitation of Sick Units | ED-cell SVNIT-Surat | 15-17 Mar 2001 |
| D.V.Bhatt Dr.K.N.Mistry | “A failure analysis of an Entrepreneur” A-case study | SSI National policy w/shop | NISIET-UNESCO Hydra bad | 27-28 July98 |
| D.V.Bhatt Dr.K.N.Mistry | Friction and Wear of Piston-cylinder of an I.C. Engine | Industrial Tribology & Maintenance- | CEC, SVNIT Surat | 15-17 Jan.2002 |
| D.V.Bhatt | Entrepreneurship & Entrepreneur-concept and its importance in Indian context | How to start new enterprise | ED-cell SVNIT-Surat | 31 Jan.-2 Feb. 2002 |
| D.V.Bhatt Dr.K.N.Mistry | Alternative fuels in Automobile Engine | MINAC 2002 | JNTU College of Engineering Anantpur (A.P.) | 21 Dec.2002 |
| D.V.Bhatt Dr.K.N.Mistry | Wear and Its Analysis-A case study | NCME 2003 | Thapar Institute of Engineering & Technology PATIALA | 31 st oct.-1 st Nov.2003 |
| D.V.Bhatt Dr.K.N.Mistry | Experimental study of Friction under different variables on a piston-cylinder Assembly-A case study | NaCoMM 2003 | IIT Delhi | 18-19 Dec.2003 |
| D.V.Bhatt Nilesh Sheth Dr.K.N.Mistry | Analysis of PRA friction models and development of co-relationship for a piston-cylinder system of an IC Engine and mathematical development of various PRA friction models for different lubrication conditions and | NATCON ME-2004 | M.S.R.I.T. BANGALORE | 12-13 March 2004 |

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|--|--|---|--|------------------------------------|
| | simulation-A case study | | | |
| Dr .D .V. Bhatt, B.M. Sutaria Dr.K. N. Mistry | Strength measurement in friction welding | National Conference on AIME-2006 at | Mech. Engg. Dept. Jamia Milia Islamia, New Delhi | PP. 332-342 20-21 Jan, 2006 |
| Dr.D.V.Bhatt Ms.Dimple Gandhi | Theoretical force analysis of manual and power steering system-a case study | AIME-2006 | Mech. Engg. Dept. Jamia Milia Islamia, New Delhi | 20-21.Jan. 2006 |
| Dr.D.V.Bhatt Dr.K.N.Mistry Malini Vibhakar | Performance study of 2/4 stroke SI engine under alternative application of fuels | ETIME-2006 | Mech. Engg. BMS College of Engg., Bangalore | 10-11, Feb. 2006 |
| Dr.D.V.Bhatt Mr.H.P.Balsara | Promoting entrepreneurship Culture among Engg. Students-A need of nation | AET-2006 (ISTE) | Adhiyamaay college of Engg, Hosure, T N | 29-30, Mar 2006 |
| Dr.D.V.Bhatt Mr.H.P.Balsara | A study and analysis of factors responsible for industrial sickness-A case study | AET-2006 (ISTE) | Adhiyamaay college of Engg, Hosure, T.N | 29-30, Mar 2006 |
| Dr .D .V. Bhatt, B.M. Sutaria Dr.K. N. Mistry | Analysis of PRA friction Models of an Internal Combustion Engine | Recent Developments and Future Trends in Mechanical Engineering | NIT, Hamirpur | 3 & 4 Nov.2006 |
| Dr .D .V. Bhatt, B.M. Sutaria Dr.K. N. Mistry A.S. Shah | An over view of wear mechanism, causes, and prevention in PRA of an IC Engine | ETME-2008 | GCET, Anand | 28-29 March 08 |
| Dr .D .V. Bhatt, B.M. Sutaria Dr.K. N. Mistry | Development of test rig and experimental study to measure piston ring assembly friction under different variables. | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | PP.49-53 11-12, Dec, 2009 |
| Dr .D .V. Bhatt, B.M. Sutaria J. M. Patel | An investigation of friction between piston ring and cylinder wall of i.c. engines | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | PP.39-42 11-12, Dec, 2009 |
| Dr .D .V. Bhatt, B.M. Sutaria S.B. Shinde | Literature review on friction forces and piston ring dynamics | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | PP.80-85 11-12, Dec, 2009 |
| Dr .D .V. Bhatt, B.M. Sutaria S.B. Shinde | Simulation and analysis of friction forces at PRA and piston ring dynamics | ---DO---- | ITMECH, IIT, New Delhi | PP.229-234 11-12, Dec, |
| Dr .D .V. Bhatt, B.M. Sutaria G.B. Aware | Literature review on piston ring lubrication | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | PP.80-85 11-12, Dec, 2009 |

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|---|---|---|--|--|
| Dr .D .V. Bhatt, B.M. Sutaria G.B. Aware | Theoretical modeling of piston ring assembly | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | 11-12, Dec, 2009 |
| Dr. D V. Bhatt Mr. M. A. Balsara Dr. K. N. Mistry | Technique for measurement of minimum oil film thickness in a PRA system: A Review | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | 11-12, Dec, 2009 |
| Dr. D.V. Bhatt S. P. Ghiya | Advance Fifth Generation Steel (Cr-Mo-V) | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | 11-12, Dec, 2009 |
| Dr. D V. Bhatt Mr. M. A. Balsara Dr. K. N. Mistry | Measurement of piston ring wear in an I.C. engine: A case study | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | 11-12, Dec, 2009 |
| Dr. D.V. Bhatt A. S. Shah | Experimental study and analysis of Temperature variation in multicylinder motorised engine test rig under different coolant- A case study | TRIBO-INDIA CONF. Tribology of Automotive Systems, IIT Delhi | ITMECH, IIT, New Delhi | 11-12, Dec, 2009 |
| A. B. Kakade D.V. Bhatt J. V. Menghani | Wear causes and remedies – A case study of sugar mill roller shaft | TFMS-2012 | C.K. Pithawala college of engineering Surat | 12-21 Jan 2012 Presented |
| C. Bandapalli B.M. Sutaria D.V. Bhatt | An Overview on Tool Wear Mechanisms in Metal Cutting | TFSTA | SVNIT Surat | 27-28 May. 2016 Presented |
| S. R. More D.V. Bhatt J. V. Menghani | An Overview On Up gradation Of Different Laboratory Test Rig Use To Study The Slurry Erosion Wear | TFSTA | SVNIT Surat | 27-28 May. 2016 Presented |
| A. B. Kakade D.V. Bhatt J. V. Menghani | Study of Tribological parameters of three roller sugar cane mill industry research overview | TFSTA | SVNIT Surat | 27-28 May. 2016 Presented |

PATENTS FILED, AWARDS & RECOGNITION:-

| <i>Sr. No.</i> | <i>Name of Award</i> | <i>Name of organization which has given the award</i> | <i>Month & Year</i> |
|----------------|--|---|-------------------------------|
| 1. | Appreciation-merit certificate | FAG INDIA, Vadodara | 1980 |
| 2. | Appreciation-merit certificate | New India Ind. Vadodara | 1989 |
| 3. | Appreciation-merit certificate | Gujarat Narmada Auto Ltd. Bharuch | 1989 |
| 4. | Best Paper Award + Rs. 10,000/- cash prize | Journal of non distractive testing, ISNDT | Dec, 2010 |
| 5 | Chairman-VC scrutiny committee- VTU Karnataka-Rajbhavan-Benglure | Notification-no.GS 22 TUM 2016 | 15 th Sep- 2016 |

| <i>Sr. No</i> | <i>Assigned patent Ref No</i> | <i>Filing date/year</i> | <i>Patent tile</i> | <i>Patentee</i> |
|---------------|---|-------------------------|--|---|
| 1 | 1816/MUM/2010 | 17/06/2010 | Technique for OFT measuring between piston ring & liner in un filer IC engine & reciprocating compressor using strain gauge. | Dr.D.V.Bhatt & Mr.Mukesh A Bulsara * Mr. Mahatre Dinesh* Dr.K.N.Mistry |
| 2. | Application no.230210 [Designee Patent] | 14/07/2010 | Accessory For Two Wheelers | Dr.D.V.Bhatt Pritesh A Bhatia[student] Anant V Nihalani[student] |
| 3. | IBR No.7971/2010, (Designee Patent) | 26/11/2010 | Cylinder liner segment with base plate for reciprocating and wear monitor test rig. | Dr.D.V.Bhatt & Dr.K.N.Mistry Mr. B. M. Sutaria |
| 4. | 1147/MUM/2010 Ref.no.E- 18[III]/184/2011- MUM E-6/99/2011-MUM | 30/03/2011 | The Off-Set Levers-Gears | Multani Altaf Abdul* Dr. D.V.Bhatt Er. Atul S Shah* Mr. Parag J Trivedi* |
| 5. | 2059/MUM/2015 CBR No. 8586 Ref. No. E- 2/1367/2016/MUM | 16/05/2016 | Supportive Motion Assembly for Bicycle Drive train | Director svnit & Dr. D.V.Bhatt Multani Altaf Abdul* Er. Atul S Shah* Mr. Parag J Trivedi* |
| 6. | Provisional Patent Application No. 201621014950 | 29/04/2016 | Cost free innovative use of jumper force energy | Dr. D.V.Bhatt Multani Altaf Abdul* Er. Atul S Shah* Mr. Parag J Trivedi* |
| 7. | Provisional Patent Application No. 201621024060 | 14/07/2016 | Innovation in automotive signal system | Dr. D.V.Bhatt Ganvir Abhisek Balakdas |
| 8. | Provisional Patent Application No. 201721020114 | 08-06-2017 | Water conservative attachment for western style commode | Dr D V Bhatt & Dwij V Bhatt |

| International patent | | | | |
|-----------------------------|--|------------|--|--|
| 1. | International patent application no. PCT/IN2016/050161 | 27/05/2016 | Supportive Motion Assembly for Bicycle Drive train | Director svnit & Dr. D.V.Bhatt Multani Altaf Abdul* Er. Atul S Shah* Mr. Parag J Trivedi* |

* Does not belong to SVNIT

ANNEXURE VIII

PH.D. /M.TECH./UG PROJECT GUIDED & SUBJECTS TAUGHT:-

| <i>Ph.D.</i> | <i>M. Tech</i> | <i>UG/PDDC (BATCH)</i> | <i>Subjects</i> |
|---|----------------|------------------------------------|--|
| 04+ 1*- completed 03- in *progress Report awaited | 36-Guided | 23-UG 4-PDDC 1*- IN PROGRESS | Industrial Engg. -3 rd Year (M+P) Prod. Mgt.- 4 th year (M) Industrial Organization, Maintenance & Safety –2 nd year (M+P) Entrepreneurship 4 th year (M+P) Tribology 3 rd year (M) |

*PH.D. CANDIDATES

- **Dr. B M Sutaria 2011**
Experimental evaluation of piston ring assembly friction using various operating arameters under motorized condition
- **Dr.M A Bulsara 2012**
Measurement and analysis of oil film thickness in a piston ring assembly for an unfired four-stroke I.C. engine
- **Dr. Atul Shah 2013**
Modeling,simulation and experimental study of Tribological parameters on multi cylinder I.C.Engine[SI] PRA system-A Case Study
- **Dr.. Amol Kakade 2017**
Investigations of Tribological Parameters on Design and Developed three roller motorized system similar to sugar mill under various operating variables – A case study
- **Dr.Chakradhar Bandapalli 2017**
Experimental Investigation of Machining Parameters Influence in High Speed Micro End Milling of Titanium Alloy.

ANNEXURE IX EXPERT LECTURE DELIVERED:

| <i>Sr. No</i> | <i>Title of talk</i> | <i>Name of course & place of delivery</i> | <i>Date of delivery</i> |
|---------------|--|--|----------------------------|
| 1. | Codification system | M/s Borasara m/cs, Kim | Feb.96 |
| 2. | Industrial safety –keynote address | One day seminar-ONGC Hazira, Surat | 24-02-2001 (safety day) |
| 3. | Concept of material management of SSI. | CED program Surat | Sep.03 |
| 4. | Importance of Prod. Mgt. In SSE | CED program Surat | 20 Feb.04 |
| 5. | Concept of material management of SSI. | CED program | Sep.04 |
| 6. | Importance of entrepreneurship in technical education system | VVP College of Engg. & Tech., Rajkot | 25 Nov. 04 |
| 7. | Hostel management case studies | Hostel management SVNIT | Dec.04 |
| 8. | Importance of Prod. Mgt. In SSE | CED program Bilimora | 15 Feb.05 |
| 9. | Faculty Shortage And Related Issue | One day workshop, ISTE Gujarat Section, Baroda | 22-03-2005 |
| 10. | Production Management and purchase techniques in SSE | CED, program Ankleshwar | 18-1-2006 |
| 11. | Automotive pollutants and its measures to control | National seminar on pollution, VVP. College, Rajkot | 9-4-2006 |
| 12. | Production Management and purchase techniques in SSE | Girls polytechnique, Surat (CED) | 24-5-2006 |
| 13. | Talk on products economics feasibility report | Institute of Engineers (I) Surat | 06/02/2007 |
| 14. | Preventive maintenance measure in two-wheelers and alternative fuels | 3-days Awareness Workshop on Preventive Maintenance measures for two-wheelers, SVNIT, Surat | 17/03/2007 |
| 15. | Importance of Industrial Tribology | Essar Ltd., Surat | 03/04/2007 |
| 16. | Importance of promoting entrepreneurship culture among youth in technical education system | ISTE Seminar Vidhya Bharati Polytechnic College, Bardoli, Surat | 07/04/07 |
| 17. | Measures for Energy conservation | Administration of Dadra and Nagar Haveli (U.T.) Electricity Department Silvassa. | 14/12/07 |
| 18. | Women Entrepreneurship Development | South Gujarat Productivity Council | 28/12/07 |

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|-----|--|--|---|
| 19. | Key Note Address on Self Employment to unemployed Diamond Dressers | 1 Day Seminar presented by DIC-Surat with Vav Panthak Pragati Mandal Surat | 16/12/2008 |
| 20. | Expert Lecture on Self Employment to unemployed Diamond Dressers | DIC + SGCSC + Diamond Association | 09/01/2009 |
| 21. | Expert panel chair Person – Mock Interview | ADIT- V. V. Nagar | 11/01/2009 |
| 22. | Expert Lecture on “ Tribology Application” | GCET V. V. Nagar | 12/01/2009 |
| 23. | Expert lecture on “ Importance of Value Added Training Program” for UG/PG Engineering Students | Degree Engineering College Bardoli | 01/04/2009 |
| 24 | Production Management & Purchase techniques. | CED, program Surat | 18/07/2009 |
| 25 | Key Note Address on Techno Entrepreneurship | Parul Institute of Technology Waghodiya | 19/03/2010 |
| 26 | Carrier Guidance | Patel Samaj Surat | 09/05/2010 |
| 27 | Carrier Guidance | Jain Samaj Terapanth Bhavan Surat | 10/06/2010 |
| 28 | Fundamentals of Industrial Tribology | Institute of Technology Changa | 20/04/2011 |
| 29 | Innovation & Entrepreneurship | SPVIT Vasad | 20/09/2011 |
| 30 | Fundamentals of Industrial Tribology | Maravadi Education Trust Rajkot | 22/09/2013 |
| 31 | Innovation & Techno Entrepreneurship | Gardi College of Engg. & Technology Rajkot | 23/09/2014 |
| 32 | Overview of Tribology | SVNIT | 14 th -15 th Nov 2014 |
| 33 | Fundamentals of Industrial Tribology | College of Engg NASIK | 3 rd oct-15 |
| 34 | Expert Talk on Entrepreneurship | GSET Anand | 06/02/2015 |
| 35 | Entrepreneurship Opportunity In Tribology | GSET Anand | 09/12/2015 |
| 36 | Key Note Speaker on Fundamental of tribology | Sal Institution of Technology & Engineering Research Ahmadabad | 06/02/2016 |
| 37 | Noise Pollution and Measured to Reduce | IIT Roorkey | 17/02/2016 |
| 38 | Tribology In Design & It's Applications | Nirma Institute of Technology Ahmadabad | 27/06/2016 |
| 39 | Entrepreneurship & Innovation | Govt. Engg College Valsad | 27-02-2017 |
| 40 | Entrepreneurship & Innovation | Govt. polytechnic valsad | 27-02-2017 |
| 41 | Entrepreneurship & Innovation | Govt Engg College- Dahod | 23-03-2017 |
| 42 | Innovation & Patent Awareness | IE[I] SGLC-SURAT | 25-05-2017 |

ANNEXURE X

SEMINAR/CONFERENCE/SUMMER/WINTER SCHOOL ATTENDED

| <i>Sr. No.</i> | <i>Title of course</i> | <i>Organized by</i> | <i>Course duration</i> |
|----------------|---|---|----------------------------|
| 1. | Course on VE | NITIE, Bombay | 31/8-11/9 1981 (12 Days) |
| 2. | Emerging trend in Prod. & Mfg. System | Govt. Poly. Rajkot | 30/10 – 10/11 1990 (2 wks) |
| 3. | Induction Training Phase-I | T.T.T.I., Bhopal | 3/12-28/12 1990 (4 wks) |
| 4. | Ind. Orientation | T.T.T.I Ahmedabadbad | 31/12/1990-8/1/91 (1 wk) |
| 5. | Ind. Training | GSFC, Baroda | 7/1-2/2 1991 (4 wks) |
| 6. | Predictive Maintenance of Rotating Equipment | Faculty of Technology M.S. Uni. Vadodara | 25/5-6/6 1992 (2 wks) |
| 7. | Workshop on student assessment | T.T.T.I., Bhopal | 3/8-7/8 1992 (1 wk) |
| 8. | CNC M/C Tools | T.T.T.I., Bhopal | 26/12-30/12 1994 (1 wks) |
| 9. | Ind. Institute Partnership | ISTE + SVREC, Surat | 10/3-12/3 1995 (3 days) |
| 10. | Advance Teaching Method | T.T.T.I., Bhopal | 8/5-12/5 1995 (1 wk) |
| 11. | UNESCO Workshop on preparation of models & policy alternative for SSE development | NISIET, Hyderabad | 27/2-28/7 1998 (2 days) |
| 12. | Recent trends in alternative fuel & pollution | MREC, Jaipur | 20/12/99-1/1/2000 (2 wk) |
| 13. | Reliability & Maintenance of plant & machinery | IIT, Delhi | 4/12-8/12 2000 (2 wks) |
| 14. | Advanced Tribology | IIT, Bombay | 18/6-22/6 2001 (1 wk) |
| 15. | Rehabilitation of Sick Unit | E. D. Cell, SVRCET | 15/3-17/3 2001 (3 days) |
| 16. | IPROM – 2000 Work Shop | Priyadarshini College of Engineering & Architecture, Nagpur | 19/4-20/4 2001 (2 days) |
| 17. | Workshop on Industrial Tribology & maintenance | CCE,SVNIT, Surat | 15/1-17/1 2002 (3 days) |
| 18. | How to start a new enterprise | E D Cell, SVNIT, Surat | 31/1-2/2 2002 (3 days) |
| 19. | Integration of Human Values in Tech. Education | ISTE, Faculty of Tech, Vadodara | 25/8/2002 (1 day) |
| 20. | Role of Technical Education for Sustainable Development | ISTE, A.D.Patel, Institute V.V.Nagar | 13/10/2002 (1 day) |
| 21. | 32 nd Annual Convention & seminar | ISTE+ NITTE, NMAM Inst, of Tech, Mangalore | 27/12-29/12 2002 (3 days) |

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| 22. | Current trend in IC engine development | Combustion Institute (India section) DRDO-Hyderabad | 25/4-26/4 2003 (02 days) |
| 23. | National conference on Recent Development in Mechanical Engineering | NCME2003 Thapar Institute of Engineering & Tech. PATIALA (PUNJAB) | 31/10-1/11 2003 (2 days) |
| 24. | 34 th Annual Convention & seminar | ISTE – NSIT, Delhi | 18/12-20/12 2004 (3 days) |
| 25. | 11 th National conference on Machines & Mechanisms | NaCoMM2003 IIT – Delhi | 19/12-20/12 2003 (2 days) |
| 26 | Third national conference on advance emerging technology | ISTE chapter, Adhiyamaay college of Engg, Hosure, T N | 29-30, March 2006 |
| 27 | A program on promoting technology entrepreneurship in colleges | Nirma Lab, Ahmedabad | 20-4-2006 |
| 28 | Recent Trends in Composite Materials | ISTE, SVNIT, Surat | 15 th to 19 th January, 2007 |
| 29. | Conclave 2008 Vision India | SMA + SGCCI Surat | 24 th May 2008 |
| 30. | Conference on “ Technology for rural India- Challenges and perspective” | ISTE, Netaji Subhashchandre Institute of Technology Delhi | 31 st May & 1 st June 2008 |
| 31 | Conference on Autonomy & Accountability of technical education in changing scenario | ATMIYA Institute of Technology & Science Rajkot | 18 th October 2008 |
| 32. | 3 rd Styling & Design Conclave on “ Mobility in India In 2016” | SIAM Delhi + NID Mumbai | 19 th Jan 2009 |
| 33 | IE(I) Training Seminar for Chairman/ Hon. Sectary | IE(I) Hyderabad | 01/02/2009 |
| 34 | Patent Awareness Workshop | CII Ahemdabad | 13/14/ May 2010 |
| 35 | International conference on Advances in Tribology & Engineering System | Gujarat Technological University Ahemdabad | 15-16-17 October, 2013 |
| 36 | Research perspectives on Nano Science applied to passenger car engine tribology in order to improve fuel efficiency & to reduce the carbon emission | Gujarat Technological University Ahemdabad | 18/10/2014 |
| 37 | National Tribology Conference NTC 2014 | PES University and TSI India | 15 th to 17 th Dec 2014 |
| 38 | 4 th industry academia workshop on A-Z of natural gas LNG | Petronet LNG Limited Dahej | 30 April to 2 nd May 2015 |
| 39 | Gala Meet one on industry – institute interaction | Charusat University Changa | 10/10/2015 |
| 40 | International science congress | IIT Delhi | 4 th to 8 th Dec 2015 |

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| 41 | Participated as an observer during the STTP on innovation and design | IIT Delhi | 15 th to 16 th Dec 2015 |
| 42 | Gala Meet on industry – institute interaction | Charusat University Changa | 22-23 Jan 2016 |
| 43 | Workshop on outcome base education | TEQIP II SVNIT | 24/02/2016 |

ANNEXURE XI

WORKSHOP/SEMINAR/CONFERENCE /LECTURES/INDUSTRIAL VISITS

ORGANIZED: -

| <i>Sr. No.</i> | <i>Title</i> | <i>Organized by</i> | <i>Participants</i> | <i>Duration</i> |
|----------------|---|---|---|--|
| 1. | Lecture series on entrepreneur scope for various disciplines | ISTE-Local chapter, SVNIT | Final year UG students | March-April-2003 (7 lectures) |
| 2. | Work-shop on developing entrepreneurial spirit among the students | ISTE-Local chapter & ED-Cell-SVNIT | III rd year-Final year UG Students | June-2003 (1 week) |
| 3. | Work-shop on developing entrepreneurial spirit among the students | ISTE-Local chapter, Student chapter-IE (I) & ED-Cell-SVNIT | III rd year-Final year UG Students | Nov.-2003 (1 week) |
| 4. | EYE Check-up camp | ISTE –SVNIT Student chapters IE (I) SVNIT & Lions club, Surat | Students Faculty School Students (198 Participants) | 29/11/2003 |
| 5. | UDGHOSH-2004 Techno Culture Event | Student Chapter IE (I), SGLC | Students of three engg. Colleges | 10/04-11/04 2004 |
| 6. | REVV 2004 Techno Festival Co- Advisor | SAE Chapter SVNIT | Students from different NIT's & other colleges | 17/04-18/04 2004 |
| 8. | One day Seminar on academic Research & development opportunities at AIT-Bangkok for higher study. | ISTE Local Chapter SVNIT Student Chapter IE(I) & Institute of engineers South Gujarat Local Centre, Surat | UG/PG Students | 02/03/2005 Five faculty from AIT Bangkok have conducted the seminar |
| 9. | One day seminar on importance and relevance of PhD to achieve Excellency in T E System | ISTE,SVNIT Chapter, under TEQIP | 40 Faculty from different twelve Engineering Colleges | 3-12-2005 |
| 10. | UDGHOSH-2005 | Student chapters (I.E) SGLC, Surat | UG Students of various colleges | 12-13- Oct.2005 |
| 11. | Autofest-2005 | SAE-SVNIT, Collegiate chapter | UG Students of various colleges | 14-16- Oct,2005 |
| 12. | Autofest-2006 | SAE-SVNIT, Collegiate chapter | UG Students of various colleges | 14-16- Oct,2006 |

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|-----|--|---|--|---|
| 13. | One-day Workshop on vehicle design | SAE- INDIA & SVNIT | UG Students of various colleges | 23 rd Dec,2006 |
| 14. | EDP Module-1 | ED-CELL, SVNIT with CED | UG Students | Oct./Nov.-2006 |
| 15. | EDP Module-1 | ED-CELL, SVNIT With CED & SMA | UG Students various colleges | Feb.-2007 |
| 16. | 3-days workshop on preventive maintenance of two wheeler | TEQIP, SVNIT | UG Students various colleges | 16 th to 18 th , march,2007 |
| 17. | 2-day workshop on public speaking | ED-CELL, SVNIT With JCI, SURAT | UG Students And working women | 5 th to 6 th may,2007 |
| 18 | ENTRUMEET-2007 | ED-CELL, SVNIT | UG, PG Students of various colleges. | 06-07-Oct.07 More then 1000 students participated |
| 19 | AUTO-FEST-2007 | SAE Collegiate chapter SVNIT | UG, PG Students of various colleges. | 12-13-14-Oct.07 |
| 20 | Productivity Week | South Gujarat Productivity Council Surat.(SGPC) | Executives, Entrepreneurs, Engg. / Mgt. Students/ Faculty / Govt. Officers | 12-18 Feb. 08 |
| 21 | EDP Module-1 | SGPC with CED. | Engg. Students | Jan-Feb 08 |
| 22 | AICTE –STTP Course on “Advances In Industrial Tribology & Maintenance” | Mechanical Engineering Department | Faculty from Different Colleges | 21-25 July 2008 |
| 23 | Entrepreneurship Awareness Camp for Students (EACS) | ED Cell-SVNIT+ ISTE | UG+PG students | 12-14 Sept 2008 |
| 24 | ENTRUMEET-2008 | ED-CELL, SVNIT | UG, PG Students of various colleges. | 21-22 Sept '08 More then 1000 students participated |
| 25 | AUTO-FEST-2008 | SAE Collegiate chapter SVNIT | UG, PG Students of various colleges. | 12-13-14-Oct.08 |
| 26. | Seminar on Virtual Training | IEI-SGLC + NTPC Surat | Industry Employee + PG Students | 07 th Feb 2009 |
| 27 | Faculty Awareness Camp on Entrepreneurship-FACE | ED Cell-SVNIT+ ISTE | Faculty from Different Colleges | 27/07/2009 To 31/07/2009 |
| 28 | Merit Medal Award Function | IE(I)South Gujarat Local Center Surat | Students, Members, Parents | 17/09/2011 |
| 29 | Workshop on Tribology and its industrial applications | MED, SVNIT | Faculty and PG students | 14-15 NOV 2014 |

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|----|---|--------------------------------|-----------------------------------|---|
| 30 | STTP on Fundamental of Tribology and its applications | MED, SVNIT | Faculty, Industry and PG students | 6 th to 10 th July 2015 |
| 31 | A short term Program on TPM | MED, SVNIT With QCFI- Surat | PG Students | 5 th to 7 th March 2016 |
| 32 | 3-Day's Hands-on training workshop on SOLAR POWER PLANT | MED, SVNIT | PG Students | 21 st to 23 rd July 2016 |
| 33 | 5s Quality Measure | Under TEQIP II CCE& QCFI Surat | M.Tech.[CAD-CAM/MFG] Students | 14 th March 2017 |
| 34 | Maintenance Engg, Industrial Safety | Under TEQIP II CCE& QCFI Surat | M.Tech.[CAD-CAM/MFG] Students | 15 th – 16 th March 2017 |
| 34 | L & T Industry Visit | Under TEQIP II CCE& QCFI Surat | M.Tech.[CAD-CAM/MFG] Students | 21 st April 2017 |

ANNEXURE XII

PROFESSIONAL MEMBERSHIP:

| <i>Sr. No.</i> | <i>Name of Association / Society</i> | <i>Category</i> | <i>Membership No.</i> |
|----------------|--------------------------------------|-----------------|-----------------------|
| 1. | ISTE | Life Member | LM – 11277 |
| 2. | INSTITUTE OF ENGINEERS (I) | FELLOW | F-115153-5 |
| 3. | Surat Officer Gymkhana Club[class-I] | Life member | LM-1646 |
| 4. | South Gujarat Productivity Council | Life Member | LM-75 |
| 5. | Tribology Society of India | Life Member | LM-3926 |
| 6 | Quality Circle Forum of India | Life Member | 049902116226 |

ANNEXURE XIII

OTHER ACTIVITIES & ACHIEVEMENTS:

| <i>Sr. No.</i> | <i>Organization</i> | <i>Category</i> | <i>Year</i> |
|----------------|--|--|---|
| 1 | Dr. S & S.S. Ghandhy college; Surat. | Workshop Superintendent | 1996-97 |
| 2 | Dr. S & S.S. Ghandhy college; Surat | Rector-Warden Warden | Three years Dr. Ghandhy college 98-00, SVNIT, Surat |
| 3 | SVNIT Surat | Security Incharge | 1999 May – Sept. |
| 4 | E. D. Cell, SVNIT | Dept. Representative | 99-2004 |
| 5 | V. N. S.G. University | Senate Member (Representative of Technology Faculty) | 2001-02 |
| 6 | Teachers Association SVNIT – Surat | Secretary/V.P | 2001-05 |
| 7 | NCC- SVNIT | group leader for Earthquake relief operation at Morbi – Gujarat | 2 to 6-Feb-2001 |
| 8 | ISTE local chapter-SVNIT | Chairman | 02-03, 03-05 |
| 9 | Student Chapters IE (I)- SVNIT, Institute of Engineers, South Gujarat Local Centre, Surat | Advisor | 03-04 |
| 10 | SAE SVNIT Chapter | Co-Adviser | 2003-05 , 2005-08 |
| 11 | SVNIT Surat | Exam Superintendent | Jan 2003, jun-04,dec- 06,dec07 |
| 12 | Student Chapters IE (I)- Institute of Engineers, South Gujarat Local Centre Surat | Chairman | 05-06 |
| 13 | ISTE | Executive member, Gujarat section | 2006-2008 |
| 14 | Entrepreneurship development | Prof. In charge ED Cell, SVNIT | 24-03-2006 – Till Jan 2016 |
| 15 | Surat Management Association | Program Coordinator | January 2007 -08 |
| 16 | SAE, INDIA | National Organizing committee member for SAE-BAJA competition | 21 st to 23 rd dec,2007 |

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|-----|--|---|----------------------------|
| 17 | Ministry of Industry Govt. of Gujarat | Committee member of international benchmarking for Engg. & Auto Sector. | 2007 to 2010 (Three Years) |
| 18. | South Gujarat Productivity Council Surat | Program Committee chairman | 2007-2009 |
| 19. | South Gujarat Chamber of Commerce India (SGCCI) | Member Engineering Committee | 2008-09 |
| 20. | Institute of Engineers –India South Gujarat Local Centre Surat | Honorary Secretary Chairman | 2008-2010 2010-2012 |
| 21. | Saurashtra University, Rajkot | Expert Member – Mechanical Engineering Academic Council | 2009-10 |
| 22 | Dean (Alumni Resource Generation) | SVNIT Surat | June 2011-Jan 2015 |
| 23 | Chairman Anchor Institute Cell for Skill Development | SVNIT Surat | Jan 2013 – Jan 2016 |
| 24 | Professor in charge Training and placement | SVNIT Surat | Jan 2013 – Jan 2015 |
| 25. | Executive committee member | Quality control forum of India – surat subchapter | 2016-18 |
| 26 | Engineering Institutions of Repute – ie.. PDPU Gandhinagar, SVIT Bharuch | Panel member for faculty recruitment | 2010 onwards |

- o Developed & introduced one year certificate course on techno- Entrepreneurship
- o Guided to develop single cylinder ATV vehicle for participation in SAE competition.
- o Successfully introduced various training/coaching activities to generate revenue at IE (I), SGLC Surat.
- o Developed various value added courses for UG B.Tech. students to improve employability & implemented from July 2012
- o Achieved highest placement of UG/PG students batch2013.
- o Achieved self sustainability transparent administration as Hon.Sec/Chairman-IE[I]SGLC SURAT-2008-2012

ANNEXURE XIV

LABORATORY/ EQUIPMENT DEVELOPMENTS

- FOUR test rigs are developed for study of Tribology parameters at mechanical engineering department, SVNIT Surat under Doctorate and PG Research Projects.
- Under SAE activity - Three number of single cylinder ATV – Race car development guided along with Dr. S A Channiwala faculty advisor SAE. One ATV car participated in Mini-Baja competition at Portland, USA during 11-13, May, 2006 and won the “Chairman award” The third developed ATV has participated in BAJA-SAE 07 competition at Pithampur, INDOR- M.P. during 21-23 Dec 07. The team won worth prize of Rs One lakh.
- Multi Cylinder 800 cc IC engine test rig developed to study temperature and power consumption variation under different lubricants and coolants.
- Established Tribo Maintenance laboratory for UG/PG/PhD Scholars.
- Established Incubation Centre under scheme of MSME-Govt. of India 2009-2013
- Establishment of CENTRE FOR CONTINUING EDUCATION at SVNIT-2017

Dr. D. V. Bhatt
Professor & Chairman CCE,
Former. Dean[AI&RG]
Former-Chairman-AIC& Prof I/C EDC
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Ichchhanath Surat 395007