

CURRICULUM VITAE



DR. CHANNIWALA SALIM ABBASBHAI
Professor, MED & Bhatnagar Fellow, SVNIT, Surat

E-Mail : sac@med.svnit.ac.in
sac.med.svnit@gmail.com

Telephone : (O) 0261 – 2201574

(M) 099241-66200

Fax No. : 0261 – 2227334, 2228394,
0261 – 2201574

CONTACT ADDRESSES

POSTAL ADDRESS : DR. CHANNIWALA SALIM ABBASBHAI
PROFESSOR
MECHANICAL ENGINEERING DEPARTMENT,
S. V. NATIONAL INSTITUTE OF
TECHNOLOGY, ICHCHHANATH,
SURAT – 395 007.

RESIDENCE ADDRESS : 3-1010, INDERPURA, BADRI ROAD,
OPP. DILKHUSH SODA FACTORY,
SURAT – 395 003.

EDUCATIONAL QUALIFICATION

B. E. (Mechanical)	SVRCET, South Gujarat University, Surat	1978
M. Tech. (Mechanical)	I.I.T, Bombay,	1980
Dissertation: "Hydrogen As An I. C. Engine Fuel".		
Ph. D.	I.I.T, Bombay	1992
Ph. D. Thesis : "On Biomass Gasification Process and Technology Development – Some Analytical and Experimental Investigations".		

RESEARCH AREA

- Biomass Gasification and Bio Energy
- Alternate Sources of Energy
- Turbomachines
- Hydrogen Fuelled Engine
- Dedicated CNG Engine Technology
- Hybrid Electric Vehicle
- Gas Turbine Combustion Chamber
- Plasma Gasification and Pyrolysis of MSW

RESEARCH AND TEACHING EXPERIENCE

- ➔ Teaching Experience : 38 years at SVNIT Surat
- ➔ Research Publications : 278 Nos. ANNEXURE – I
 - International Journal : 73
 - International Conference: 105
 - National Journal : 12
 - National Conference : 88

NO OF STUDENT GUIDED

- ➔ M. Tech Completed : 115 Nos. ANNEXURE – II
- ➔ Ph.D. Completed : 20 Nos. In-progress : 05 Nos. ANNEXURE – III

CONSULTANCY AND TESTING ASSIGNMENTS

- ➔ CONSULTANCY ASSIGNMENT : 174 Nos. ANNEXURE – IV
- ➔ TESTING ASSIGNMENT : 754 Nos. ANNEXURE – V

DETAILS OF PATENTS

- ➔ INTERNATIONAL PATENT : 02 Nos. ANNEXURE – VI
- ➔ NATIONAL PATENT : 09 Nos.
- ➔ TOTAL : 11 Nos.

TECHNOLOGY TRANSFER AGREEMENT/MOU

- ➔ TECHNOLOGY TRANSFER AGREEMENT : 01 Nos.
- ➔ MOU SIGNED WITH INDUSTRY : 10 Nos. ANNEXURE – VII

DEVELOPMENT OF LABORATORIES

- ➔ SET-UP : 24 Nos. ANNEXURE – VIII
- ➔ LABORATORIES : 06 Nos.

SPONSORED RESEARCH ACTIVATES

- ➔ COMPLETED : 13 Nos. ANNEXURE – IX
- ➔ ONGOING : 04 No.

CONFERENCES/SEMINARS/SCHOOL ORGANIZED/ ATTENDED

- ➔ SEMINAR / CONFERENCE / SCHOOLS ORGANISED : 31 Nos. ANNEXURE – X
 - ➔ SEMINAR / CONFERENCE / SCHOOLS ATTENDED : 46 Nos. ANNEXURE – XI
- ABROAD: 12
INDIA: 34

INVITED LECTURES/TALK DELIVERED

- ➔ INVITED LECTURES / TALK DELIVERED : 153 Nos. ANNEXURE – XII

AFFILIATION

- ➔ I.E : Fellow – F/110479/5, 076/MC
- ➔ Life Member – ISTE
- ➔ Life Member, Combustion Institute: LMC-1094
- ➔ Member, SAE - No. 7010051002
- ➔ Member – STAI
- ➔ Member- ASME : 9196916
- ➔ Member – Editorial Board of Int. J. of Sugar Tech.
- ➔ Member – Board of Studies, SGU, Surat
- ➔ Member – Advisory Board, Surat Chamber of Commerce
- ➔ Member – Project Implementation Committee, SMC, Surat
- ➔ Member, Board of Studies, M.S. University, Vadodara.
- ➔ Member, Board of Management, P. P. Savani University, Kosamba
- ➔ Members, Board of Studies, Maliba Campus, Bardoli

HONORS, AWARDS AND SPECIAL RECOGNITION

1. Young scientist award & silver medal (2nd Prize) for the Second Best Paper entitled, “Development of a 15 kW (Shaft Power) Down Draft Experimental Research Gasifier”, at 1st National Technical Meet on Recent Advances in Biomass Gasification Process & Technology, held at I.I.T., Bombay, Sept’89.
2. Young Scientist Award & Gold Medal (1st Prize) for the best paper entitled “On Performance of Downdraft Gasifier as Influenced by Water Seal”, at 2nd National Technical Meet on Recent Advances in Biomass Gasification Process & Technology, held at Udaipur, Dec’90.
3. Ujas Award.
4. Rotary Award.
5. Bhaikaka award for best paper entitled “Experimental Investigations on Radial Tipped Centrifugal Blower”.
6. N. K. Iyenger Memorial Prize for Best Journal research paper entitled “Design Methodology of Pressure Swirl Atomiser, Spray Characterization and Drop Diameter Evaluation using Scanning Electron Microscope for Micro Gas Turbine Engine” by IEI, 2011.
7. Best Paper Award at International Symposium on “Advances in Mechanical Engineering for Industry” organized by NERIST during 6-8 Dec. 2014 for the paper entitled: “Evaluation of Various Exhaust Based Alternative Air Conditioning System for Automobiles”

8. Best Paper Award for the paper entitled “Design of Mixed Flow Compressor – A Review and Limits of Design Parameters” at National Conference on Progress, Research and Innovation in Mechanical Engineering – PRIME 2017 organize by SCET, Surat during 25-26 March 2017.
9. Prestigious CSIR Bhatnagar Fellowship Award 2018.

ADMINISTRATIVE EXPERIENCE

- * **Professor Incharge (General Administration):** 17th June, 2015 – 8th Sept, 2015
- * **Incharge Director:** Incharge Director: 14th April, 2015 – 28th May, 2015.
- * **Incharge Director:** October – 2010 to November - 2011

- * **Incharge Director:** June – 2005 to October – 2005
 - Introduced CGPA System
 - Resolved long pending problem of CAS
 - Signed MOU with L&T, Hazira to start full time collaborative M.Tech programme entitled Industrial Process Equipment Design.
- Signed first technology transfer agreement for Combustion monitoring chemical with M/s Altret Chemicals Pvt. Ltd., Surat.

- * **Head of Mech. Engg. Deptt., [2004 – 07]**
 - Increased industrial interactions including their participation in curriculum development
 - Introduced CGPA system in curriculum
 - Improved work culture by keeping department open during evening hours.
- * **Dean Post Graduate Studies & Research [2003 to 2005]**
 - Streamlined and proposed few new PG programmes at Institute level.
 - Introduced CGPA system in PG.
 - Initiated Doctoral Programmes [at the institute level]
- * **Coordinator, Co-coordinator & Nodal Officer World Bank Project [TEQIP] [2004-2009]**
 - Involved from preparation of project proposal.
 - Responsible for complete detailing of the project, presentation at various levels and execution of the project.
- * **P. G. Incharge [1995-2009]**

Involved in starting from PG admissions, Allotment of PG teaching load, PG Examination, PG Dissertations, Curriculum Development and even PDDC admissions. **Introduced M.Tech. (IPED) in Collaboration with L&T, Hazira.**
- * **Coordination with Surat Municipal Corporation**

Tender scrutiny, feasibility studies, the overall development of the city, etc.
- * **Co-ordinator for Continuing Education Programme.**
- * **Co-ordinator for Center of Excellence Activity.**
- * **Coordinator Research Project / Consultancy / Testing Work**
- * **Chairman, Sophisticated Instrumentation Centre [2006 till today]**
- * **In charge Central Computer Center, Library and International Affairs**
- * **Laboratory In-charge [1981-2010]**

Handled Various Laboratories including I.C.Engine Lab., Mechanical Measurement Lab., Basic Mechanical System Lab., ASE Lab., Heat & Mass transfer Lab., Fluid Mechanics Lab., S.I.C. Lab. Reacting Gas Dynamics Lab., etc.

BREAKTHROUGH/INNOVATIONS/ACHIEVEMENT

- Developed Zero Tar & Effluent Discharge Gasification System first of its kind across the Globe.
- Developed Plasma Gasification System first of its kind in India.
- Involved in development of dedicated gas engine technology which offers much better performance than any conventional fuelled engines.
- Involved from concept to commissioning of 0.5 MW sewage gas based power plant for Surat Municipal Corporation during 1998-2004, which is first of its kind in India.
- Developed India's first solar assisted electrical vehicle during 1995-97.
- Developed Experimental Research Gasifier for Parametric Studies and Technology Development, 1988-1992, IIT, Bombay.
- Developed Delayed Entry technique for backfire free operation of single cylinder & multi-cylinder Hydrogen fuelled engines in 1978-80 at IIT-Bombay.

LIST OF PUBLICATIONS

(A) INTERNATIONAL JOURNAL

1. Jitendra Chaudhary, S. A. Channiwala, “Heat Transfer Study on Liner Wall of Heat Recirculating Combustor”, Journal of The Institution of Engineers, Series C, p.p. 1-8 Springer, (2019).
2. Ashish Doshi, Salim Channiwala, Punit Singh, “Influence of Non Flow Zone (Back Cavity) Geometry on the Performance of Pumps as Turbines”, Journal of Fluids Engineering, Vol. 140 (2018).
3. S. B. Dikshit, D. B. Kulshreshtha, S. A. Channiwala, “Numerical Analysis and Empirical Correlations to Predict SMD of Pressure Swirl Atomizer for Small Scale Gas Turbine Combustion Chamber”, International Journal of Applied Engineering Research, Vol. 13, p.p. 4531-4537 (2018).
4. Ashish Doshi, Salim Channiwala, Punit Singh, “Inlet Impeller rounding in pumps as turbines – An experimental study to investigate the relative effects of blade and shroud rounding”, International Journal of Experimental Thermal and Fluid Science, Elsevier, Vol. 82, (2017), p.p. 333-348.
5. Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala, “Refinement of the Legislative Test Cell Conditions Based on Local Real World Ambient Condition”, DOI:10.4271/2017-01-0991, SAE Technical Paper (2017).
6. Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala, “On-Road Vehicle Driving and Energy Requirements and Impact on Unregulated Exhaust Emissions under Urban Driving Conditions”, Vol 10, Issue: 2017-01-1013, SAE Technical Paper (2017).
7. Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala, “Impact of “Break In” Running on Exhaust Emissions and Fuel Consumption of a Portable Genset”, Issue: 2017-01-1012, SAE Technical Paper (2017).
8. Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala, “Application of DME 20 Fuel in a Gasoline Passenger Car to Comply with Euro IV Emission Legislation”, Issue: 2017-01-0872, SAE Technical Paper (2017).
9. Sunil Kumar Pathak, Vineet Sood, Yograj Singh, Salim Abbasbhai Channiwala, “Green House Gas Emission Inventory from Indian Transport Sector”, SAE Technical Paper (2017).
10. Sunil Kumar Pathak, Yograj Singh, Vineet Sood, Salim Abbasbhai Channiwala, “Drive Cycle Development for Electrical Three Wheelers”, Issue 2017-01-1593 SAE Technical Paper (2017).
11. Baloni, Beena Devendra; Channiwala, Salim Abbasbhai; Harsha, Sugnanam Naga Ramannath, “Design, Development and Analysis of Centrifugal Blower”, Journal of The Institution of Engineers (India): Series C, Online First, (2017).
12. Sunil Kumar Pathak, Vineet Sood, Yograj Singh, S. A. Channiwala, “Real World Vehicle Emissions: Their Correlation with Driving”, International Journal of Transportation Research Part D Vol. 44 (2016), pp. 157-176 (Elsevier).
13. Dharti Parmar, Meha Setiya, Beena Baloni, S. A. Channiwala, “Flow Analysis of Subsonic and Supersonic Nozzles”, International Journal of Fluid Mechanics and Fluid Power – Contemporary Research, (2016), pp. 405-419.
14. Shah, S. P.; Channiwala, S. A.; Kulshreshtha, D. B.; Chaudhari, G, “Study of Flow Patterns in Radial and Back Swept Turbine Rotor under Design and Off-Design Conditions”, Journal of Applied Fluid Mechanics . 2016, Vol. 9 Issue 4, p1791-1798. 8p
15. Rahul P. Nagpure, Parth D. Shah, S. A. Channiwala, “Digital Simulation of Producer Gas Fired S. I. Engine”, International Journal of Technical Research Organization, India, TROI, ISSN (Print) 2393-8374, (Online): 2394-0697, Vol. 2 Issue 2, 2015, pp. 44-50.
16. Arvind G. P., Nilesh Salunke, S. A. Channiwala, “Numerical Studies on High Pressure Ratio Airfoils for Axial Flow Compressors”, International Journal of Technical Research Organization, India, TROI, ISSN (Print): 2393-8374, (online): 2394-0697, Vol. 2 Issue 2, 2015, pp. 32-38.

17. M. I. Vyas, S. A. Channiwala, "Design, Development and Single Phase Test Run of Flow Boiling Heat Transfer Experimental Set up", *IJIRST –International Journal for Innovative Research in Science & Technology*, Volume 1, Issue 10, March 2015 ISSN (online): 2349-6010.
18. Manan Desai, H. J. Nagarsheth, S. A. Channiwala, "Simulative Predictions and Analysis of vehicle dynamical responses", *International Journal of Engineering Systems Modelling and Simulation* 2015, Vol. 7 no. 3.
19. Beena D. Baloni, Yogesh Pathak and S. A. Channiwala, "Centrifugal Blower Volute Optimization Based on Taguchi Method", *International Journal of Computer & Fluids*, 112 (2015) pp. 72-78.
20. N. P. Salunke, J. A. RA, S. A. Channiwala, "Airfoil Parameterization Techniques: A Review", *American Journal of Mechanical Engineering* Vol. 2 No. 4 (2014), pp. 99-102.
21. N. P. Salunke, S. A. Channiwala, Juned A. R. A, "Design Optimization of an Axial Flow Compressor for Industrial Gas turbine", *IJRET: International Journal of Research in Engineering and Technology*, e: ISSN: 2319-1163, p: ISSN: 2321-7308, Volume: 03 Issue: 05, May-2014, pp.458-464.
22. S.P Shah, S.A Channiwala, D.B Kulshreshtha, G. Chaudhari, "Design and Numerical Simulation of Radial Inflow Turbine Volute", *International Journal of Turbo & Jet-Engines*. Volume 31, Issue 4, Pages 287–301, ISSN (Online) 2191-0332, ISSN (Print) 0334-0082, DOI: 10.1515/tjj-2014-0002, April 2014.
23. V. I. Lad, J. V. Menghani, S. A. Channiwala, "Studies on the effect of Alloying Element in Iron Base Hard facing Alloy", *Transactions of the Indian Institute of Metals* 67 (3) pp. 343-349 (2014).
24. M. K. Bhatt, B. M. Sutaria, S. N. Gaderia, S. A. Channiwala, "To study Different Losses and Loss Co-efficient on Solar Flat Plate Collector at 900 Yaw Angle, " *Applied Mechanics and Materials*, ISSN: 1662-7482, Vol. 575 pp. 677-681, 2014.
25. V. J. Patel, S. A. Channiwala, "Simulation of Expansion & Exhaust Process with Delayed Entry Technique Using Discrete Approach for Hydrogen Fuelled Engine", *International Journal of Innovative Research in Advanced Engineering (IJIRAE)* ISSN: 2349-2163 Volume 1 Issue 6 (July 2014), pp. 307-312.
26. Vikas J. Patel Dr.S.A.Channiwala, D.J.Mashruwala & K.S.Pandya, "Digital Simulation of Suction Process with Delayed Entry Technique and Compression Process in Hydrogen Fuelled Engine with the Differential Approach using Real Gas Equation", *International Journal of Innovative Research in Advanced Engineering (IJIRAE)* ISSN: 2349-2163 Volume 1 Issue 6 (July 2014)
27. Harsh Tamakuwala and S. A. Channiwala, "Use of Hydrogen in Fiat Lancia Petrol Engine, Combustion Process and Determination of Optimum Valve Timing", *IOSR Journal of Mechanical and Civil Engineering*, Vol.9, Issue 4, Nov. Dec. 2013.
28. Samip Shah, Gaurang Chaudhari, Digvijay Kulshreshtha, S. A. Channiwala, "Effect of Flow Coefficient and Loading Coefficient on the Radial Inflow Turbine Impeller Geometry", *International Journal of Research in Engineering and Technology*, ISSN-2319-1163, Vol. 02 Issue 02, Feb. 2013, pp. 98-104.
29. K. V. Chaudhary, Digvijay Kulshreshtha, S. A. Channiwala, "Design and Experimental Investigation of 60° Pressure Swirl Nozzle for penetration length and cone Angle at Different Pressure", *International Journal of Advances in Engineering & Technology*, Jan. 2013, Vol. 5, Issue 2, pp. 76-84, ISSN: 2231-1963.
30. Bhusan Kumar, Beena D. Baloni and S. A. Channiwala, "Experimental Analysis of Backward Curved Centrifugal Blower", *International Journal of Mechanical Engineering and Research*, ISSN-2249-0019, Vol. No. 3, No. 1 (2013) pp. 39-43.
31. Parmar D. K., Baloni B. D., and Channiwala S. A., "Experimental Analysis of Convergent – Divergent Nozzle", *International Journal of Mechanical Engineering & Research*, ISSN-2249-0019, Vol. 3 No. 5 (2013) pp. 325-329.
32. M. K. Bhatt, B. M. Sutaria, S. N. Gaderia, S. A. Channiwala, "Determination of Losses & Loss Coefficients of Solar Flat Plate Collector When Wind Velocity & Tilt Angle at Zero Value – An

- Experimental Study”, Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 376 pp. 294-298, 2013.
33. K. V. Chaudhary, D. B. Kulshreshtha, S. A. Channiwala, “Design and CFD Simulation of Annular Combustion Chamber with Kerosene as Fuel for 20 kW Gas Turbine International Journal of Engineering Research and Applications”, (IJERA), Vol. 2, Issue 6, Nov. – Dec. 2012, pp. 1641-1645, ISSN:2248-9622.
 34. K. V. Chaudhary, D. B. Kulshreshtha, S. A. Channiwala, “Design and Experimental Investigations of Pressure Swirl atomizer of a Annular Type Combustion Chamber for 20 kW Gas Turbine Engine”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 3, Issue 2, July December 2012 pp311-321, ISSN 0976-6480 (Print) ISSN 0976-6499 (Online) Impact Factor 2.7078.
 35. Modh J.K, Namjoshi S.A, Channiwala S.A, “Kinetics and Pyrolysis of Glossy Paper Waste”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 2, Issue 2, Mar-Apr 2012, pp.1067-1074.
 36. Yogesh R. Pathak, Beena D. Baloni, S. A. Channiwala, “Numerical Simulation of Centrifugal Blower Using CFX”, International Journal of Electronics, Communication & Soft Computing Science and Engineering ISSN: 2277-9477, Special Issue of” International Conference on Recent Trends in Engineering & Technology “Apr-2012
 37. Beena D Baloni, S. A. Channiwala, V. K. Mayavanshi, “Pressure recovery and loss coefficient variations in the two different centrifugal blower volute designs”, International Journal of Applied Energy, Vol. 90 (2012) pp. 335-343.
 38. N. Vibhakar, S. D. Masutage and S. A. Channiwala, “Three Dimensional CFD Analysis of Backward Curved Radial Tipped Blade Centrifugal Fan Designed as per Unified Methodology with Varying Number of Blades”, International Journal Emerging Trends in Engineering and Development, Vol. 1, Issue 2, Jan. 2012, pp. 246 to 256, ISSN-2249-6149.
 39. SA Namjoshi, VJ Rao, JK Parikh, SA Channiwala, “Micro and Macro Level Thermal Decomposition Studies of Newspaper Waste”, International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, Volume 2, Issue 7, July 2012)
 40. Rajan J. Bhatt, Sandip C. Patel, K. Rajashekhar Rao and S. A. Channiwala, “Numerical Studies on High Lift Generating Aerofoils to be used as Aircraft Fuselage”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol.2 Issue No. 2, March – April 2012 pp. 1152-1161.
 41. Rajan J. Bhatt, K. Rajashekhar Rao, S. A. Channiwala, “Simulation of Airflow Over High Lift Generating (HLG) Fuselage and Conventional Air craft Fuselage”, International Journal of Emerging Technology and Advanced Engineering IJETAE, ISSN 2250-2459, Vol.2 issue No. 5, May 2012.
 42. Pankaj P. Gohil and Salim A. Channiwala, “Experimental Investigation of Performance of Conventional LPG Cooling Stove”, Science and Engineering Journal of Thermal Science and Engineering Vol. 1 Issue 1, pp. 25-34, August 2011.
 43. Digivijay B. Kulshreshtha and S. A. Channiwala, “Hydrogen Fuelled Micro Gas Turbine Combustion Chamber”, Paper AO18-201004, The Hongkong Institution of Engineers Transactions, Vol. 18, No. 2, pp. 19-25, 2011 (HKIE Transactions).
 44. Samip Shah, Digivijay B. Kulshreshtha, Gaurang Chaudhary and S. A. Channiwala, “Design and Numerical Simulation Radial Turbine for Micro Gas Turbine A 2D Approach”, International Journal Fluids Engineering, ISSN 0974-3138, Vol. 3, No. 2 (2011) pp.221-228 Int. Press. Publ. House <http://www.irphouse.com>
 45. Gaurangkumar C. Chaudhary, Samip P. Shah and S. A. Channiwala, “Flow Analysis in Traditional and Hooped Pelton Runner Bucket”, International Journal of Fluids Engineering, ISSN 0974-3138, Vol. 2 No. 2 (2010) pp. 107-113.

46. Digvijay Kulshreshtha & S. A. Channiwala, "Kerosene Fuelled Tubular Type Combustion Chamber for Gas Turbine Engine: Design Methodology and Numerical Investigations", *International Journal of Turbo and Jet Engines*, Vol.27, pp.63 to 78, 2010.
47. Digvijay Kulshreshtha, S. A. Channiwala & Mr. Saurabh Dikshit, "Exergy Analysis of a Coal Based Thermal Power Plant", *International Journal of Applied Engineering Research*, ISSN 0973-4562 Volume 5 Number 13 (2010) pp. 2241–2252
48. Gaurang C. Chaudhari, S.A. Channiwala & Samip P. Shah, "Simulation of Traditional and Hooped Pelton Runner", *International Journal of Fluid Engineering*, ISSN-0974-3138, Vol-2,No-1,pp.39-44, 2010.
49. J. K. Ratnadharia & S.A. Channiwala, "Realistic four zone model of downdraft biomass gasifier", *International Journal of Energy Conversion and Management*, June-2010. (Paper Submitted)
50. Digvijay Kulshreshtha, S. A. Channiwala & Mr. Saurabh Dikshit, "Uncertainties in Temperature Measurement using Thermocouple in Gas Turbine Combustion Chamber", *International Journal of Applied Engineering Research*, ISSN 0973-4562 Volume 5 Number 16 (2010) pp. 2747–2754
51. J. K. Ratnadharia and S.A. Channiwala, "Experimental studies on molar distribution of CO/CO₂ and CO/H₂ along the length of downdraft wood Gasifier", *International Journal of Energy Conversion and Management*, Vol-51, Iss-3, pp.452-458, March 2010, ISSN 0196-8904.
52. Chaudhari Gaurang C. and Channiwala S.A., "Comparative Performance Evaluation of designed hooped Pelton Runner with traditional Pelton Runner", *International Journal of Applied Engineering Research*, Vol-5, No.8, 2010, pp.1361-1369, ISSN No.0973-4562.
53. Digvijay Kulshreshtha, S. A. Channiwala, Mr. Kamlesh Chaudhari & Mr. Saurabh Dikshit, "Experimental Investigations on Axial Temperature Profiles, Liner Wall Temperature Distribution and Exit Gas Temperature Distribution at Different Equivalence Ratios of A Tubular Type Gas Turbine Combustors", *International Journal of Applied Engineering Research*, Vol. 4, No. 3, pp. 421 – 434, 2009. ISSN No: 0973 – 4562
54. Digvijay Kulshreshtha, S. A. Channiwala & Mr. Saurabh Dikshit, "Design Methodology and Development of Pressure Swirl Atomizer for Micro Gas Turbine Combustion Chamber", *International Journal of Applied Engineering Research*, Vol. 4. No. 10, pp. 1921 – 1929, 2009. ISSN No: 0973 – 4562
55. Digvijay Kulshreshtha, Saurabh Dikshit & S. A. Channiwala, "Variations of Spray Cone Angle and Penetration Length of Pressure Swirl Atomizer Designed for Micro Gas Turbine Engine" *International Journal of Dynamics of Fluids*, Vol. 5, No.2, pp. 165 – 172, 2009. ISSN No: 0973 – 1784
56. Digvijay Kulshreshtha, S. A. Channiwala & Mr. Saurabh Dikshit, "Drop Diameter Analysis of Designed Pressure Swirl Atomiser using Scanning Electron Microscope", *International Journal of Fuel*, Paper code: JFUE-5-09-01054.
57. A. A. Shaikh & S. A. Channiwala, "Strength Prediction for Jute Polyester composite for Long continuous Fiber Reinforcement", *Internal Journal of Materials and Product Technology*, Vol-36, No-1/2/3/4, pp.372-384, 2009.
58. Digvijay Kulshreshtha, S. A. Channiwala & Mr. Kamlesh Chaudhari, "Optimization of Primary Zone Equivalence Ratio for Tubular Type Combustion Chamber", *International Journal of Dynamics of Fluids*, Paper Code: 1613. Article in Press
59. J.K. Ratnadharia and S.A. Channiwala, "Three zone Equilibrium and Kinetic Free Modelling of Biomass Gasifier- a novel approach", *International Journal of Renewable Energy*, Vol.34, No-9, April 2009, pp.1050-1058.
60. P.R. Bhoi, S. A. Channiwala, "Emission characteristics and Axial Flame Temperature Distribution of Producer Gas Fired Premixed Burner", *International Journal of Biomass & Bio-energy*, Vol.33, No-3, March-09, pp. 469-477.
61. Nilesh P. Salunke and S.A Channiwala, "Design and Analysis of a controlled Diffusion Aerofoil section for an axial Compressor stator and effect of incidence angle and Mach number on

- Performance of CDA”, *International Journal of Fluid Mechanical and System*, Vol.2, No.4, Oct-Dec-2009, pp.474.
62. Manan Desai, S. A. Channiwala, H. J. Nagarsheth, “Experimental and Computational Aerodynamic investigations of a car”, *WSEAS Transactions on Fluid Mechanics*, ISSN: 1790-5087, Issue 4, Vol. 3, 2008, pp. 359-366.
 63. Digvijay Kulshreshtha, S. A. Channiwala, Kamlesh V. Chaudhary & Mr. Saurabh Dikshit, “Design, Numerical Simulation and Experimental Investigations on Can-Annular Type Combustion Chamber for 20 kW Gas Turbine Engine”, *International Journal of Dynamics of Fluids*, Vol. 4, No.2, pp. 175 – 189, 2008.
 64. P.R. Bhoi and S.A. Channiwala, “Optimization of Producer Gas Fired Premixed Burner”, *International Journal of Renewable Energy*, Vol.33, 2008, pp.1209-1219.
 65. A. A. Shaikh & S. A. Channiwala, “Strength Prediction for Jute Polyester composite for Transverse Fiber Reinforcement”, *Internal Journal of Materials science Forum*, Vol-561-565, pp.799-802,2007.
 66. Parikh Jigisha and Channiwala S.A., “A correlation for calculating Elemental Composition from Proximate Analysis of Biomass Material”, *International Journal of FUEL*, Vol-86, Feb.2007, pp.1710-1719.
 67. Shaikh A.A and Channiwala S.A., “Experimental and Analytical Investigation of Jute Polyester composite for Long continuous Fiber Reinforcement”, *Journal of Reinforced Plastics and composites*, Vol.25, No-8, 2006, pp.863-874. (Sage Publication).
 68. Parikh, Jigisha, Channiwala S.A., and Ghosal G.K. “A Correlation For calculating HHV from Proximate Analysis of Solid Fuels”, *International Journal of Fuel*, Vol.84, No-5, 2005, pp. 487-494.
 69. Digvijay Kulshreshtha, S. A. Channiwala, “Simplified Design of Combustion Chamber for Small Gas Turbine Applications”, *ASME 2005 International Mechanical Engineering Congress and Exposition*, (2005) pp. 145-160.
 70. Channiwala, S.A., and Parikh, P.P. “A Unified Correlation For Estimation of HHV of solid, Liquid and Gaseous Fuels”, *International Journal of Fuel*, *FUEL* 81(2002) pp.1051-1063, March-2002.
 71. Wadiwala, D.J., Dabhoya S. A., Channiwala S. A., “Some field studies on catalytic combustion in power boiler”, *Journal of Indian Pulp and Paper Technical Association*, Vol. 14, Issue 3, (2002) page 89-94
 72. Channiwala, S.A., and Doshi N.I: “Heat Loss Coefficients for Box Type Solar Cookers”, *J. Solar Energy* Vol. 42, No. 6, p.p. 495-501, 1989.
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(B) INTERNATIONAL CONFERENCE

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ANNEXURE - II

M. Tech. Guided :

Sr. No.	Name of Student	Title of Dissertation	Year
1.	Mr. Dhruv H. Mehta	Heat Transfer and Pressure Drop Characteristics in Mini-Channel for Single and Two Phase Flow using Water as working fluid	2017-18 M. Tech [TSD]
2.	Mr. Biyyala Aruna Kumar	Modelling and Numerical Study of Producer Gas Fired Engine using Plasma Ignition	2017-18 M. Tech [TSD]
3.	Mr. Sureel Kumar	Comparative Study of Traditional and Hooped Pelton Runner	2017-18 M. Tech [Turbo.]
4.	Modh Hardikkumar Bharatkumar	Design and Development of State-of-The-Art Wind Tunnel for Flow Interaction Studies of Air-Frames	2016-17 M. Tech [Turbo.]
5.	Dalvi Ashwini Chandrakant	Design of S-Type Submerged Air Intake of Slender Aerodynamic Body	2016-17 M. Tech [Turbo.]
6.	Choksi Kruti Sunilkumar	Numerical Study of Swirler Flow Field of Gas Turbine Combustor for Various Shroud Configurations	2016-17 M. Tech [Turbo.]
7.	Nakod Avinash Rajendrakumar	Design, Numerical Simulation and Optimization of the mixed flow compressor	2016-17 M. Tech [Turbo.]
8.	Nikhil P. Shinde	Studies on High Lift Generating Fuselage	2015-16 M. Tech [Turbo.]
9.	Jitendra Kumar	Theoretical and Numerical Studies on Mixed Flow Compressor	2015-16 M. Tech [Turbo.]
10.	Tarannum Sallauddin Mujawar	Aerodynamic Design and Analysis of Transonic Axial Flow Compressor	2015-16 M. Tech [Turbo.]
11.	Poonawala Taha Y.	Design and Development of a Mixed Flow Compressor impeller for Industrial Applications	2015-16
12.	Gunjal Anish	Design, Analysis and Proof of Concept of Phase change Material based thermal control system for spacecraft payloads	2014-15 M. Tech [TSD]
13.	Anupama G. Indrawad	Experimental and Numerical Investigation for Small Scale Combustion with Heat Recirculation	2014-15 M. Tech [Turbo.]
14.	Kaki Venkatesh N.	Design and Numerical Analysis of Mixed Flow Compressor Impeller for Small Gas Turbine Engine	2014-15 M. Tech [Turbo.]
15.	Arvind G. P.	Numerical and Experimental Studies on High Pressure Ratio Airfoils for Axial Flow Compressors	2013-14 M. Tech [Turbo.]
16.	Rahul Nagpure	Modelling, CFD Analysis and Optimization of Producer Gas Fired SI Engine	2013-14 M. Tech [TSD]
17.	Jayesh Parekh	Single Phase and Two phase flow boiling heat transfer studies in mini channels with water and ethanol as working fluids	2013-14 M. Tech [TSD]
18.	Shah Parth Dilipkumar	Optimization of design and performance parameters of CNG fuelled S.I. Engine	2012-13 M. Tech [TSD]
19.	Rajesh N.	High Pressure ratio blade Design by Parameterization and Optimization	2012-13 M.Tech [Turbo]
20.	Husain Mohammad Saeed Shaikh	Design, Development, and Performance Evaluation of Entrained Bed Gasifier	2012-13 M.Tech [Turbo]
21.	Swapnil Shivaji Patil	Optimization of Domestic LPG Stove	2012-13 M. Tech [TSD]

Sr. No.	Name of Student	Title of Dissertation	Year
22.	Harsh R. Patel	Influence of swirl generation through Inlet valve on performance and emission characteristics of diesel engine	2011-12 M.Tech. [TSD]
23.	Pranav G. Anekar	Modelling of Plasma Gasifier for Hazardous waste management	2011-12 M.Tech. [TSD]
24.	Mrs. Seema B. Lad	Modelling, Development and Experimental studies on entrained bed Gasifier	2011-12 M.Tech. [Turbo.]
25.	Mr. Kuttymani	Optimisation of high lift fuselage for midsize Aircraft	2011-12 M.Tech. [Turbo.]
26.	Mr. Manish Kumar	Influence of welding Parameters on Microstructure and mechanical Property in Narrow Gap Welding by SAW	2011-12 M.Tech [IPED]
27.	Mr. Swastik R. Gajjar	Conceptual Design of oxynebuliser	2011-12 M.Tech [TSD]
28.	Mr. Syam Sasidharan	Optimisation of CDA Cascade using Parameterization and Generic Algorithm coupled with CFD	2011-12 M.Tech [Turbo.]
29.	Mr. Pandurang A. Rajiwade	Design and Development of Annular Combustion Chamber for small Gas Turbine Application	2011-12 M.Tech. [Turbo.]
30.	Mr. Dokiparti Satish	Life Enhancement of Turbine Blades	2011-12 M.Tech. [Turbo.]
31.	Vishal I. Lad	Studies on the Effect of Alloying Element in Iron Base Hardfacing Alloy	2010-11 M.Tech. [IPED]
32.	Suresh Chandra Pal	Design, Development and Performance Evaluation of an Optimal Box Type Solar Cooker	2010-11 M.Tech.[TSD]
33.	A. Nishanth Kumar	Design and Development of Solar Assisted Electric Cart	2010-11 M.Tech.[TSD]
34.	Mistry Jitesh V	Experimental and Numerical Studies on Slotted Baffle Heat Exchanger	2010-11 M.Tech.[TSD]
35.	Mehta Tejas B.	Analytical and Experimental Studies on MIG Butt Welding	2010-11 M.Tech. [IPED]
36.	Gamit Jigar C	Some Studies on Boiling Heat Transfer in Mini and Micro Channels with R-1349 as a working fluid	2010-11 M.Tech.[TSD]
37.	K. Raja Shekhar Rao	Numerical and Experimental Studies on High Lift Airfoil Section As a Fuselage for commercial Mid Sized Aircraft	2010-11 M.Tech.[Turbo.]
38.	Vilash Shingare	A Study on High Pressure Ratio Airfoils For Axial Flow Compressors	2010-11 M.Tech.[Turbo.]
39.	Vegad Chetan S	CFD Analysis, Design and Development of Annual Type Combustion Chamber	2010-11 M.Tech.[Turbo.]
40.	Bhavin R. Shah	CFD Analysis, Design and Development of Micro Combustion Chamber	2010-11 M.Tech.[TSD]
41.	Patel Viral B.	Numerical and Experimental Studies on Influence of Flow Passages in Centrifugal Fan	2010-11 M.Tech.[Turbo.]
42.	Mayur A. Fultariya	Performance Evaluation of Solar Assisted Adsorption water chiller with Silica Gel Water A Adsorbent –Adsorbute Pair	2010-11 M.Tech.[TSD]
43.	Suhas D. Masutage	Three Dimensional Numerical (CFD) Analysis of Backward and Forward Curved Radial Tripped Blade Centrifugal Fan with varying Number of Blades	2009-10 M.Tech.[Turbo.]
44.	Mitesh N. Prajapati	Boiling Heat Transfer in Mini & Micro Channels – Comparative Assessment and Development of New Correlation with CO ₂ as a fluid	2009-10 M.Tech.[TSD]

Sr. No.	Name of Student	Title of Dissertation	Year
45.	Lodhia Kunjan H.	Design, CFD Analysis and Parametric Study of Thermic Fluid Heater	2009-10 M.Tech. [IPED]
46.	Ankur Ekbote	Performance Simulation of Parabolic Trough Solar Thermal Power Plants	2009-10 M.Tech.[TSD]
47.	Nagendra Atkuri	Exhaust Based Air Conditioning System for Automobiles	2009-10 M.Tech.[TSD]
48.	Harshal B. Jadav	Three Dimensional transient Thermal Analysis of Balt welding using FEM	2009-10 M.Tech. [IPED]
49.	Sandeep C. Patel	Evaluation of High Lift Generating Aerofoil Section As a Fuselage for commercial Mid Sized Air craft	2009-10 M.Tech.[Turbo.]
50.	Mehul K. Pujara	Solar Powered Adsorption Coater Chiller	2009-10 M.Tech.[TSD]
51.	Amit U. Maheta	Experimental and Numerical Simulation of Shell & Tube Heat Exchanger with slotted Baffle	2009-10 M.Tech.[TSD]
52.	Dhaval N. Patel	Design and Cold Flow Studies of Can Type Combustion Chamber	2008 – 09 M. Tech [Turbo M/c.]
53.	Chintan R. Patel	Simulation and Parametric Study on Hydrogen Fueled S. I. Engine	2008 – 09 M. Tech [Turbo M/c.]
54.	Suyog S. Zawar	Study of Alternate Baffle Arrangement in Shell and Tube Type Heat Exchanger	2008 – 09 M. Tech [TSD]
55.	Kaushal C. Joshi	Theoretical and Experimental Investigation on a Single Cylinder CNG Fueled Engine	2008 – 09 M. Tech [TSD]
56.	Satish Kumar	Design, CFD Analysis and Experimental Investigations of Different Heat Treatment Furnaces	2008 – 09 M. Tech [IPED]
57.	Vinayak N, Tapase	Failure Analysis and Flow Analysis of Gas Turbine Blade	2008 – 09 M. Tech [IPED]
58.	Suraj S, Hiramath	Limit Load Estimation of Cylindrical Vessel with Oblique Nozzle	2008 – 09 M. Tech [IPED]
59.	Bhumi Shah	Analysis and Designing of Hydraulic Open Die Forging Press	2008 – 09 M. Tech [IPED]
60.	Anish J Joshi	Determination of Stress Intensity Factor in Pressure Component	2008 – 09 M. Tech [IPED]
61.	Pradip Chaubey	Code Development for Two Dimensional Transient Temperature Distribution during Welding using FEM	2008 – 09 M. Tech [IPED]
62.	Sunilkumar B, Maurya	Metallurgical Evaluation of Cr-Mo-V Welds to Optimize the Intermediate Stress Relieving (ISR) Operation	2008 – 09 M. Tech [IPED]
63.	Venkataviswanadh Kothari	Analysis of Hybrid Vehicle Transmission System	2007 -08 M.Tech [Mech.]
64.	Gaurang C. Chaudhari	Analysis, Design and Flow Simulation of Advanced Pelton Wheel	2007 -08 M.Tech [Turbo M/c.]
65.	Saurabh B. Dikshit	Theoretical and Experimental Investigations of Performance Parameters of Pressure Swirl Atomizer on Kerosene Type Fuel	2007 -08 M.Tech [Turbo M/c.]
66.	Himanshu D. Solanki	Study of Heat Transfer and Pressure Drop for Shell Side Longitudinal Flow in Shell and Tube Heat Exchanger	2007 -08 M.Tech [IPED]

Sr. No.	Name of Student	Title of Dissertation	Year
67.	Harshal S. Kolhe	Parametric Study of Factors Affecting Thermal Stresses in Tubesheet of Heat Exchangers	2007 -08 M.Tech [IPED]
68.	Zoeb K. Lakdawala	Numerical and Experimental Determination of Fracture Toughness Parameters of SA516 Gr 70 using Blunt Compact Test Specimen	2007 -08 M.Tech [IPED]
69.	Dharmen H. Tailor	Development of Code for the Thermal Analysis of Welding Using FDM	2007 -08 M.Tech [IPED]
70.	Parag D. Mahajan	Limit and Plastic Analysis of Pressure Vessels	2007 -08 M.Tech [IPED]
71.	Kamlesh V. Chaudhry	Design, CFD Analysis, Development and Experimental Investigation on Tubular Type Combustion Chamber Experimental Using CNG as Fuel	2006-07 M.Tech [Turbo M/c.]
72.	Mohmamed Sohel M. Panwala	Experimental and Numerical Investigation of Weld Induced Residual Stresses	2006-07 M.Tech [IPED]
73.	Sumer Rewar	Simulation & Flow Visualization of Dedicated CNG Engine	2006-07 M.Tech [Mech.]
74.	Kurshna Kisor Adibhatla	Study and Simulation of Landing Gear and Airbrake Hydraulic System for a Fighter Aircraft.	2005-06 M.Tech [Turbo M/c.]
75.	Manabendra M. De	Aerodynamic Analysis of Stall Regulated Horizontal Axis Wind Turbine Rotor Blade	2005-06 M.Tech [Turbo M/c.]
76.	Komal Ahirwal	Design and Analysis of Single Stage Centrifugal Compressor Through Finite Element and Computational Fluid Dynamics	2005-06 M.Tech [Turbo M/c.]
77.	Banker Ravinchandra Maruti	Design and Analysis of Fan Stage for Small Gas Turbines	2004-05 M.Tech[2005-06]
78.	Prakash R. Bhoi	Design, Development and Experimental Investigations on Premixed Burner for Producer Gas	2004-05 M.Tech. [Turbo M/c.]
79.	R. Krishnamurthy Naidu [Dr. B. K.Murali]	System Level Design of Fuel Rich Gas Generator For Semi-Cryogenic Engine	2004-05 M.Tech[Turbo M/c.]
80.	G. Pawan Kasyap	Design Flow Simulation & visualization of Radial Flow Gas Turbine using CFX – 5	2004-05 M.Tech [Turbo M/c.]
81.	Jitendra Chaudhari	Design, Flow Simulation and Visualization of Centrifugal Compressor using CFX-5	2004-05 M.Tech[Turbo M/c.]
82.	Anil Dubey	Development of Software in VB for unified Design Method of Radial Tipped Centrifugal Blower	2004-05 M.E (Turbo M/c.)
83.	Mr. Jatin R. Patel	Experimental Optimization of Liner Wall Configuration for Small Capacity Gas Turbine Combustion Chamber	2004-05 M. E. [Turbo M/c.]
84.	Mr. Mehul P. Soni	Effect of Drag Forces on Bluff Bodies in Tandems	2004-05 M.E. [Turbo M/c.]
85.	Mr. Mehul Pandya	Design, Optimization & Simulation of Radial Inflow Gas Turbine in Small Capacity Range	2004-05 M. E. [Turbo M/c.]

Sr. No.	Name of Student	Title of Dissertation	Year
86.	Mr. Nirav M. Desai	Thermal and Mechanical Design, Optimization & Dynamic Analysis of Centrifugal Compressor Stage	2004-05 M. E. [Mech.]
87.	Mr. Hetal Patel	Energy & Exergy Analysis of Cogeneration Plant	2004-05 M. E. [Turbo M/c.]
88.	Mr. T. Balaganeshan	Experimental Investigations Towards Establishing A Loss Model for Radial Tipped Centrifugal Blower/Fan	2003-04 M. E. [Turbo M/c.]
89.	Mr. Chetan S. Mistry	Design of Nozzle Less Radial Inflow Gas Turbine for Small Capacity (20kW) Gas Turbine Engine	2003-04 M. E. [Turbo M/c.]
90.	Mr. Hiren S. Surti	Energy and Exergy Analysis of 6.9 Mw Gas Turbine Based Co-generation Power Plant with and Without Inlet Air Cooling	2003-04 M. E. [Turbo M/c.]
91.	Mr. Janmesh J. Pandiya	Design of Radial Flow Centrifugal Compressor without Prewgurk	2003-04 M. E. [Turbo M/c.]
92.	Ms. Sweety S. Ganatra	Simulation Automobile Four Stroke S.I. Engine	2003-04 M. E. [Mech..]
93.	Mr. Digvijay B. Kulshrestha	Design, Development and Experimental Investigations on Annular Type Combustion Chamber for Small Gas Turbine Application	2003-04 M. E. [Turbo M/c.]
94.	Mr. Chirayu P. Panchal	Energy and Exergy Analysis A Combined Cycle Power Plant	2003-04 M. E. [Turbo M/c.]
95.	Mr. Anil S. Dubey	Development of Software in VB for Unified Design Method of Radial Tipped Centrifugal Blowers	2003-04 M. E. [Turbo M/c.]
96.	Mr. Hitesh K. Solanki	Analytical and Experimental Investigations on GLIKES GT 85/2 Twin Shaft Gas Turbine Engine Using Kerosine and Kerosine-Ethanol as Fuel	2003-04 M. E. [Turbo M/c.]
97.	Mr. Vikram P. Rathod	Comparative Study of Down Draft Venturi Type and Choke Plate Type Gasifier”	2002 – 03 M.E. (Turbo M/c.)
98.	Ms. Kinnari H. Shah	Unified Design and Comparative Study of Forward and Backward Curved Radial Tipped Centrifugal Blower/Fan	2002 – 03 M. E. (Turbo M/c.)
99.	Mr. Pankaj P. Gohil	Feasibility of Design and Operation of Turbine Driven by Exhaust of Diesel Engine – A new approach for Automotive air-conditioning	2002 – 03 M. E. (Mech.)
100.	Mr. Hemish Vaidya	Experimental Investigations on Wind loss coefficient of solar flat plate collector	2001-02 M.E. (Mech)
101.	Rakesh D. Patel	Energy and Exergy analysis of a captive power plant	2001-02 M. E. (Turbo M/c.)
102.	Mr. C.C. Patel	Comparative Assessment of Design Methodologies for Radial tipped centrifugal blowers	2001-02 M.E. (Turbo M/c.)
103.	Mr. Vikas. J. Patel	Some analytical and experimental investigations on alternatively fuelled engine	2000-01 M. E. (Mech)
104.	Mr. Chaitanya K. Desai	Investigation on failure of cylindrical jet dying machine	2001-02 M.E. (Mech)
105.	Mr. Kuntal Patel	Design and development of a tar free gasifier	2000-01 M. E. (Mech)
106.	Rajesh C. Iyer	Design and development of an exhaust gas based turbo booster to run the compressor of an air conditioner in an automobile	2000-01 M. E. (Mech)

Sr. No.	Name of Student	Title of Dissertation	Year
107.	Mr. S. K. Ganatra	Some experimental studies on the modified automobile carburettor of the two stroke air cooled S. I. Engine	2000-01 M. E. (Mech)
108.	Mr. Deepak M. Sharma	Experimental and analytical investigations of slip factor in radial tipped centrifugal blowers	2000-01 M. E. (Turbo M/c.)
109.	Mr. J. K. Ratnadharia	Kinetic free modeling of bio-mass gasifier-I st step towards analysis of BIG/STIG system	1998-99 M. E. (Turbo M/c.)
110.	Mr. Nitin Vibhakar	Experimental investigation on radial tipped centrifugal blower	1997-98 M. E. (Turbo M/c.)
111.	Mr. Amit Thakor	Development of solar assisted electrolux refrigerator	1996-97 M. E. (Mech.)
112.	Mr. A. A. Shaikh	Development of jute reinforced composite for engineering application	1996-97 M. E. (Mech.)
113.	Mr. J. Banerjee	Evaluation of BIG/STIG system – as a potential alternative for cogeneration in sugar industries	1995-96 M.E. (Mech.)
114.	A.M. Mehta	Matching of component characteristics and equilibrium running line of gas turbine	1985-86 M. E. (Turbo M/c.)
115.	Mr. R. N. Patel	FEM Analysis of Cooling of Gas Turbine Blade	1985 – 86

ANNEXURE - III

Ph.D. GUIDED:

Sr. No	Name	Title	Status	Registration Year
1.	Mr. M. K. Bhatt (Reg. No. 1165)	Experimental Investigations on Effect of Collector Tilt, Wind Velocity and Wind Direction on Convective Heat Transfer and Top Loss Coefficients of Single Glazed Flat Plate Collector	Ph. D. Completed (VNSGU, Surat) (Date 16/08/2003)	1997-98
2.	Mr.J. K. Ratnadhariya (Reg. No.1289)	Evolution of Some New Concepts for Modeling of Downdraft Biomass Gasifier	Ph. D. Completed (VNSGU, Surat) Date 30/08/2004)	1999-2000
3.	Mr. A. A. Shaikh (Reg. No. 1318)	Experimental & Analytical Investigations of Jute Reinforced Composite Materials	Ph.D. Completed (VNSGU, Surat) (Date 20/04/2005)	2000-01
4.	Mrs. Jigisha Parikh (Reg. No. 1364)	Studies in Low Temperature Pyrolysis of Biomass Material	Ph.D. Completed (VNSGU, Surat) (Date 20/05/2005)	2000-01
5.	Mr. H. J. Nagarsheth (Reg. No. 1355)	Analysis, Design and Experimental Investigations of Exhaust based, Gas Turbine Driven Air Conditioning unit for an Automobile	Ph. D. Completed (VNSGU, Surat) (Date 24/05/2006)	2001-02
6.	Mr. Vikas Patel (Reg. No. 1439)	Experimental and Analytical Investigations of Multicylinder Hydrogen Fuelled S.I.Engine	Ph.D. Completed (VNSGU, Surat) (Date 13/03/2009)	2003-04
7.	Mr. Digvijay B. Kulshrestha (D04ME004)	Design, Numerical Simulations and Experimental Investigations on Tubular Type Combustion Chamber for Small Gas Turbine Applications with Kerosene, CNG and Hydrogen As Fuel	Ph.D. Completed (Date 31/07/2009)	2004-05
8.	Mr. Rajesh Iyer (D04ME003)	Theoretical and Experimental Investigations on Developing a Dedicated CNG Engine Technology	Ph.D. Completed (Date 15/10/2009)	2004-05
9.	Mr. Nitin Vibhakar (Reg. No.1960)	Studies on Radial Tipped Centrifugal Fan	Ph.D. Completed (VNSGU, Surat) (Date 11/07/2013)	2006-07
10.	Mrs. Beena Baloni (DS08ME203)	Studies on Volute Design Philosophies of a Centrifugal Blower	Ph. D. Completed (Date 13/08/2013)	2008-09
11.	Mr. Manan Desai (D06ME005)	Evolution of an Inventive Configuration and Vertical Dynamic Investigations of a Concept Hybrid Car ADRENe	Ph. D. Completed (Date 06/03/2013)	2006-07
12.	Mr. Sadanand Namjoshi (D06ME009)	Pyrolysis Kinetics and Product Analysis of Municipal Solid Waste Constituents	Ph. D. Completed (Date 14/03/2013)	2006-07
13.	Mr. Rajan Bhatt (D07ME005)	Evolution of high lift generating Fuselage	Ph. D. Completed (Date 25/06/2013)	2007-08

Sr. No	Name	Title	Status	Registration Year
14.	Mr. Kamlesh V. Chaudhari (DS07ME014)	Design, Development and CFD Analysis of Annular Type Gas Turbine Combustion Chamber	Ph. D. Completed (Date: 05/02/2016)	2007-08
15.	Mr. Mayank Vyas (D08ME001)	Some Studies on Single Phase and Two Phase Flow Boiling Heat Transfer in Mini-Micro Channels	Ph. D. Completed (Date: 20/05/2017)	2008-09
16.	Mr. Nilesh Salunke (D09ME008)	Generation and Optimization of High Pressure Ratio Blade Section for an Axial Flow Compressor using Bezier Parsec Parameterization coupled with Genetic Algorithm and CFD Approach	Ph. D. Completed (Date: 12/01/2018)	2009-10
17.	Mr. A. V. Doshi (D09ME002)	Influence of Inlet Impeller Rounding and the Shape of Non-Flow Zones on the Performance of Centrifugal Pump as Turbine	Ph. D. Completed (Date: 17/02/2017)	2009-10
18.	Mr. Jitendra B. Chaudhari (DS10ME004)	Experimental and Numerical Investigations on Fuel Evaporation Heat Recirculation Small Scale Combustion Chamber	Ph. D. Completed (Date: 22/01/2019)	2010-11
19.	Mr. Shah Samip P (D11ME007)	Design, Optimization, Numerical Simulation and Experimental Investigation of Radial Inflow Micro Gas Turbine	Ph. D. Completed (Date: 12/01/2018)	2011-12
20.	Mr. Chaudhari Gaurang C (D11ME010)	Numerical, Experimental and Flow Visualization Studies on Traditional and Hooped Pelton Runner	Ph.D. Completed (Date: 21/09/2017)	2011-12
21.	Mr. Sunil Pathak (DS14ME008)	Rear World Driving Cycles	Thesis Completed	2014-15
22.	Mr. Gamit Jigar C. (DS12ME007)	Heat Transfer in Micro and Mini Channels	Pre-Synopsis Completed	2012-13
23.	Mr. Parth D. Shah (DS14ME004)	Producer Gas Fired Engine for Captive power Generation	Ph.D. Ongoing	2014-15
24.	Mr. Hemish Vaidya (D15ME008)	Design, Development, Fabrication of Energy Efficient Solar Cooker	Ph.D. Ongoing	2015-16
25.	Mr. Dave Priyank (D16ME009)	Gasification of High Ash Content Coal	Ph.D. Ongoing	2016-17

ANNEXURE - IV

DETAILS OF CONSULTANCY WORK

Sr. No.	Duration / Date	Organization	Project Title
1.	August 2019	M/s. Surat Municipal Corporation, Surat	Evaluation of Performance of BGPP & fact finding & making suggestions at Bhatar STP
2.	June 2019	M/s. Surat Municipal Corporation, Surat	Analysis of Performance and Maintenance of 1.0 MWe Sewage treatment plants at Singanpore, Karanj and Bhatar carried out by M/s. Chemtrol Industries Ltd., Mumbai
3.	April 2019	M/s. D. H. Patel, Surat	Theoretical calculation of power rating i.e. capacity evaluation of Bulldozers – BD-155
4.	April 2019	M/s. Madhav Enterprise, Ankleshwar	Theoretical calculation of power rating i.e. capacity evaluation of Bulldozers – BD-155
5.	June 2018	M/s. Texfab Engineers India Pvt. Ltd., Surat	Technical Advisor for Optimizing Performance of Textile Machineries
6.	May 2018	M/s. Saurashtra Enviro Projects Pvt. Ltd., Surat	Technical Advisory Services to evaluate the feasibility to utilize the waste as a fuel generated from MSW
7.	April 2018	M/s. Glow Green Biotech, Surat	Technical Advisor for “Waste to Wealth Projects
8.	April 2018	M/s. Texfab Engineers India Pvt. Ltd., Surat	Failure Analysis of Fabric Dyeing Pressure Vessel
9.	November 2017	M/s. Essar Steel India Ltd., Hazira	Study of the proposed FDC and Optimized FDC
10.	November 2017	M/s. Phillips Carbon Black Limited, Bharuch	Feasibility Study for Waste heat recovery, energy efficiency improvement and pre-treatment of off-gas with possibility of its use in CPP and dryer
11.	October 2017	M/s. Authentic Engineers India Pvt. Ltd., Surat	Estimation of availability of waste heat energy recovery for ORC
12.	September 2017	M/s. Glow Green Biotech, Surat	Preparation of detailed project report on Biogas Bottling Plant
13.	August 2017	M/s. Surat Municipal Corporation, Surat	Determination of reasonable penalty amount based on actual no. of days for repairing of facility Electrical / Mechanical machineries and letter of justification from contractor
14.	August 2017	M/s. Surat Municipal Corporation, Surat	Third Party Fire Safety Audit of 49 Midi AC BRTS Buses
15.	August 2017	M/s. Surat Municipal Corporation, Surat	Impact and effect of GSRTC Bus’s Collision with high must tower & 180 kms/h storm / cyclone
16.	August 2017	M/s. Westside Earth Movers, Surat	Theoretical calculation of power rating i.e. capacity evaluation of Bulldozers – BD-155
17.	June 2017	M/s. Essar Steel India Ltd., Hazira	Study of the Heat Exchangers at Essar Steel Hazira
18.	June 2017	M/s. Agastya Buoyant Pvt. Ltd., West Bengal	Water Hyacinth related problems and its remedial measures
19.	April 2017	M/s. Surat Municipal Corporation, Surat	Scrutinization of estimate of repairing of gate of weir & TPI Services

Sr. No.	Duration / Date	Organization	Project Title
20.	March 2017	Mr. Mehul S. Joshi, Surat	Emission Analysis of Diesel Fuel Additive
21.	March 2017	Mr. Harshad M. Patel, Insurance Surveyor	Failure Analysis of Molasses Tank
22.	Feb. 2017	M/s. SaveFuel Tech. Pvt. Ltd, Nagpur	Emission Test of Nanotechnology Products
23.	Jan. 2017	M/s. Prag Bosimi Synthetic Limited, Assam	Designing of efficient air changing system
24.	Dec. 2016	M/s. Surat Municipal Corporation, Surat	Evaluation of Saradar Smruti Bhavan Air Conditioning System
25.	Nov. 2016	M/s. Surat Municipal Corporation, Surat	Reduce continuous abnormal noise of air blowers and subsequent common discharge header(s) at Singapore STP
26.	July 2016	M/s. Surat Municipal Corporation, Surat	Feasibility of Micro Hydro Generators at final outlet of sewage treatment plants of Surat Municipal Corporation (SMC)
27.	April 2016	Akshar Bioscience Technology, Surat	Biogas Plant
28.	April 2016	M/s. Glow Green Ventures Pvt. Ltd., Surat	Feasibility Report on Biogas Bottling Plant
29.	March 2016	M/s. Surat Municipal Corporation, Surat	Detailed Report on Operation & Maintenance work of 1.0 MWe Biogas engine @ Bhatar, Karanj & Singapore STP.
30.	14-03-2016	Executive Engineer. S.M.C. Surat.	Technical opinion regarding Water Cooled Engine and Air Cooled Engine for Mini Tandem Vibratory Compactor (Roller)
31.	4/3/2016	Fashion Ceramics. Morbi	Inspection of Zero-Discharge Gasification System
32.	24-02-2016	Platina Vitrified. Morbi	Inspection of Zero-Discharge Gasification System
33.	24-02-2016	Axiom Ceramic. Morbi	Inspection of Zero-Discharge Gasification System
34.	24-02-2016	Welcome Tiles. Morbi	Inspection of Zero-Discharge Gasification System
35.	24-02-2016	Penguin Ceramics. Morbi	Inspection of Zero-Discharge Gasification System
36.	22-02-2016	Lexo Ceramic Morbi	Inspection of Zero-Discharge Gasification System
37.	17-02-2016	Lexoplus Ceramic Morbi	Inspection of Zero-Discharge Gasification System
38.	17-02-2016	Kaveri Ceramic, Morbi	Inspection of Zero-Discharge Gasification System
39.	17-02-2016	Sion Ceramic PVT, LTD	Inspection of Zero-Discharge Gasification System
40.	17-02-2016	Shyam Ceramic, Morbi	Inspection of Zero-Discharge Gasification System
41.	17-02-2016	Alient Ceramic PVT, LTD	Inspection of Zero-Discharge Gasification System
42.	17-02-2016	Wallmark Ceramic PVT, LTD	Inspection of Zero-Discharge Gasification System
43.	28-10-2015	Kaveri Ceramic, Morbi	Ceramic Kiln Scrubber Design
44.	28-10-2015	Shyam Ceramic, Morbi	Ceramic Kiln Scrubber Design
45.	5/5/2015	Alient Ceramic PVT, LTD	Ceramic Kiln Scrubber Design
46.	20-07-2015	Lexo Ceramic PVT, LTD	Ceramic Kiln Scrubber Design
47.	20-07-2015	Wallmark Ceramic PVT, LTD	Ceramic Kiln Scrubber Design
48.	21-05-2015	Sion Ceramic PVT, LTD	Ceramic Kiln Scrubber Design
49.	21-05-2015	Axiom Ceramic PVT, LTD	Ceramic Kiln Scrubber Design
50.	13-05-2015	Welcomes Tiles PVT .LTD	Ceramic Kiln Scrubber Design

Sr. No.	Duration / Date	Organization	Project Title
51.	21-05-2015	Platina Vitrified, Morbi	Ceramic Kiln Scrubber Design
52.	21-05-2015	Pengvin Ceramic, Morbi	Ceramic Kiln Scrubber Design
53.	20-02-2015	Axiom Ceramic PVT.LTD	Ceramic Kiln Scrubber Design
54.	16-02-2015	Fashion Ceramic PVT,LTD	Ceramic Kiln Scrubber Design
55.	10/2/2015	Axiom Ceramic PVT.LTD	Ceramic Kiln Scrubber Design
56.	3/2/2015	Pengvin Ceramic, Morbi	Ceramic Kiln Scrubber Design
57.	3/2/2015	Platina Vitrified, Morbi	Ceramic Kiln Scrubber Design
58.	3/2/2015	Welcomes Tiles PVT .LTD	Ceramic Kiln Scrubber Design
59.	12/2/2015	Altret Industries P.Ltd, Surat	
60.	27-01-2015	Omnibus Industrial Development Corporation	Expert advice of purchase of 32 seater bus
61.	9/3/2015	Westside Earth Movers	Inspection for Theoretical Calculation of Power Rating of Bulldozer BD-155
62.	6/4/2015	GuruKrupa Mach Tech Pvt.Ltd. Morbi	Zero Effluent Discharge Biomass Gasification System
63.	7/1/2015	Surat Municipal corporation	Assessment of Functioning of Critical Equipments of Treatment Plant and Biogas Based Power Plants at Bhatar
64.	24-12-2014	Surat Municipal corporation	Assessment of Functioning of Critical Equipments of Treatment Plant and Biogas Based Power Plants at Bhatar
65.	25-03-2014	Fashion Ceramic	
66.	21-02-2014	Ambaji Earth Movers	Inspection for Theoretical Calculation of Power Rating of Bulldozer
67.	3/3/2014	Shree Ganesh Khand Udyog Sahkaribharuch	Inspection of RKVY Project on Steam economy in Sugarcane Processing
68.	19-02-2014	Shree Maroli Vibhag Khand udyog Sahakari	Inspection of RKVY Project on Steam economy in Sugarcane Processing
69.	23-01-2014	Sunland ceramic PVT.LTD	Inspection / provisional certificate of Zero-Discharge Gasification System
70.	3/12/2013	Super ceramic PVT.LTD	Inspection / provisional certificate of Zero-Discharge Gasification System
71.	3/12/2013	Rachna Art print PVT.LTD	
72.	19-11-2013	Axiom Ceramic PVT.LTD	Inspection / provisional certificate of Zero-Discharge Gasification System
73.	19-11-2013	Platina Vitrified PVT.LTD	Inspection / provisional certificate of Zero-Discharge Gasification System
74.	18-11-2013	Welcomes Tiles PVT .LTD	Inspection / provisional certificate of Zero-Discharge Gasification System
75.	18-11-2013	Affil Vitrified Tiles	Inspection / provisional certificate of Zero-Discharge Gasification System
76.	18-11-2013	Pengvin Cermics	Inspection / provisional certificate of Zero-Discharge Gasification System
77.	18-11-2013	Affil Vitrified Tiles	Inspection / provisional certificate of Zero-Discharge Gasification System
78.	2013	M/s. Gurukrupa Machtech Pvt. Ltd., Morbi	Zero Effluent Discharge Biomass Gasification System

Sr. No.	Duration / Date	Organization	Project Title
79.	2012	M/s. Surat Municipal Corporation Surat	Assessment and Evaluation of Bio Gas Power Plant at Singanpore, Karanj and Bhatar
80.	2012	M/s. Texfab Engineers India Pvt. Ltd., Surat	Inspection and Calculation of Safe working pressure of heat exchangers
81.	Aug. 2011	M/s. Enpro Enviro Tech and Engineers Pvt. Ltd., Surat	Development of Plasma Gasification Technology
82.	Sept 2011	M/s. Reliance Industries, Silvasa	Design of Centralised Fume Extraction system for Yo-1 & Yo-2 Plant at Silvasa
83.	Aug. 2011	M/s. Pioneers Syntex Pvt. Ltd., Surat	Plant Performance Optimization
84.	Sept-2010	M/s. Jagruti Organics, Surat	Performance Evaluation of Diesel & Petrol Additives.
85.	March 2009	M/s. Garden Silk Mills Ltd., Surat	Establishing common fume exhaust system for texturising plant
86.	Sept.2008	NTPC Ltd. Kawas Gas Power Project, Surat	Testing and Failure Analysis of 3 rd Stage Gas Turbine Blades
87.	Sept.2008	M/s. Altret Performance Chemicals Gujarat Pvt. Ltd., Surat	Technology Transfer Chargers for Combustion Monitoring Chemicals
88.	July 2008	M/s. Welknown Polyester Ltd.	Technical Advisor for Texturing and POY plant
89.	May 2008	M/s. Sumilon Industries Ltd. Varsana, Gandhidham, Kutch	Causes of Explosion/ Damage to extruder section of Biaxially Oriented Polyester Film Production Plant (BOPET Plant)
90.	Sept. 2007	M/s. Reliance Industries Ltd., Surat	Failure Analysis of Cooling Tower
91.	Oct 2007	M/s. Pioneer Distilleries Ltd., Hyderabad	5 MW Biogas Based Power Plant Note : Largest Biogas Based Power plant in India
92.	Oct 2007	M/s. Niko Resources Ltd., Surat	Problem of Detonation in Gas Engine
93.	Sept. 2007	M/s. Altret Performance Chemicals Gujarat Pvt. Ltd., Surat	Technology Transfer Charger's for Combustion Monitoring Chemicals
94.	July 2007	M/s. Surat Municipal Corporation, Surat	Technical Guidance for Procurements of Earth Moving Equipment
95.	Jan. 2007	M/s. Parves Nariman Bharucha, Mumbai	Development of Hydraulic Stand for Two Wheeler
96.	March 2007	M/s. BhilosaTex – N – Twist Pvt. Ltd., Silvasa	Technical Advisor
97.	Dec. 2006	M/s. Alidhara Weavtech Pvt. Ltd., Udhna Surat	Technical Consultant
98.	Dec 2006	M/s. Gujarat Gas Co. Ltd., Surat	Development of Gas Fired Appliances
99.	Dec. 2006	M/s. Shreejee Engineers , Surat	Development of direct fired heat exchanger suitable application on HTHP Jet Dyeing Machine
100.	Sept. 2006	M/s. SMS Infrastructure Ltd. Nagpur	Design and CFD analysis of Producer Gas Fired Thermal Oxidizer

Sr. No.	Duration / Date	Organization	Project Title
101.	Oct. 2006	M/s. Surya Marketing, Surat	Calibration/checking of Gas saving kit GSK TM
102.	March 2006	M/s. Surat Municipal Corporation Surat	Technical Guidance for possibility of CNG operated sewer Jetking machine
103.	April 2006	M/s. Gujarat Gas Co. Ltd., Surat	Gas Consumption Calculations
104.	Oct. 2005	M/s. Garden Silk Mills Ltd., [PFY Division – draw Winder ' D, Tex, Section]	Establishing common fume exhaust system for texturising plant
105.	May 2005	M/s. Altret Performance Chemicals Gujarat Pvt. Ltd., Surat	Training & Supporting system development for ISO-9001:2000
106.	2003-04	M/s. Altret Performance Chemicals Gujarat Pvt. Ltd., Surat	Technical Consultant
107.	2005	M/s. Altret Chemical Pvt. Ltd.,	Technical Consultant
108.	July 2004	Signed Preliminary MOU with M/s. Borsara Machines Tools & M/s. Gujarat Gas Ltd., Surat for Design & Development of Gas Fired Primary Heaters for Texturising Machines.	
109.	June 2004	Signed Preliminary MOU with M/s. Texfab India Pvt. Ltd., Surat & M/s. Gujarat Gas Ltd., Surat for Design & Development of Gas Fired Immersion Heaters and Gas Fired Jet Dyeing Machines	
110.	March 2004	M/s. Borsara Machines Tool, Surat	Flow line design of HDS-CX3, 312 spindle texturising machines
111.	Nov. 2003	M/s. National Engineers , Surat	Problem of Doffing Trolley
112.	April 2003	M/s. Indorama Synthetics (i) Ltd., Nagpur	Centralised Fume Extraction System & Energy Conservations
113.	Oct. 2002	M/s. Surat Municipal Corporation, Surat	Project Consultancy Services for 0.5 MWe Bio-gas Based Power Plant at Anjana Sewage Treatment Plant [Note : First of its kind in India]
114.	Sept. 2002`	M/s. Alok Industries Ltd. Silvassa	Design of Fume Extraction System
115.	Aug. 2002	M/s. Raj Rayon Ltd., Silvassa.	Design of Fume Extraction System
116.	2001-02	M/s. Pratibha Fabrics Ltd.,	Design of exhaust system in Process House
117.	2001-02	M/s. Borsara Machines, Kim,	Fume Extraction Problem
118.	2000-01	M/s. Infab Tex-Machines (I) Pvt. Ltd., Surat	For increasing capacity of Dying Vessel
119.	2000-01	M/s. Jaswantlal Kantilal Pvt. L td., Ankleshwar	Advisory consultant
120.	2000-01	M/s. Bhilosa Tex-N-Twist Pvt. Ltd., Silvasa	Energy Conservation
121.	1999-00	M/s. Jayshree Textile, Surat.	Advisory consultant

Sr. No.	Duration / Date	Organization	Project Title
122.	1999-00	M/s. Gomti Processors Ltd., Surat.	Investigation of tube leakages and persistent scale formation problem in boiler
123.	1999-00	M/s. Pravin Laboratories Pvt.Ltd., Palsana, Surat	Design of Incinerator
124.	1999-00	M/s. Shreeji Prints Pvt. Ltd., Surat.	Energy Conservation
125.	1990-00	M/s. Rajlaxmi Dying & Printing Mills Pvt. Ltd., Surat.	Checking calibration accuracy and energy conservation
126.	1999-00	M/s. Premraj Dyeing & Printing Mills Pvt. Ltd,	Consultancy for Energy Conservation.
127.	1999-00	M/s. Geeta Prints Pvt. Ltd., Surat.	Energy Conservation
128.	1999-00	M/s. Krishna Textiles Dyeing & Printing Mills Pvt. Ltd., Surat.	Consultancy for Energy Conservation.
129.	1999-00	M/s. Oriental Dying & Printing Mills Pvt. Ltd., Surat.	Checking calibration accuracy of gas flow measuring station and energy conservation
130.	1999-00	M/s. Manish Dyeing & Printing Mills Pvt. Ltd., Surat.	Recalibration of gas measuring System
131.	1999-00	M/s. Ujala Dyeing & Printing Mills Pvt. Ltd., Sachin.	Checking calibration accuracy of gas flow measuring system.
132.	1998-99	M/s. Priyanka Processors Pvt. Ltd., Surat.	Checking calibration accuracy of Gas flow measuring station and energy balance of boiler
133.	1998-99	M/s. Manish Dyeing & Printing Mills Pvt. Ltd., Surat.	Checking calibration accuracy of gas flow measuring system.
134.	1998-99	M/s. Bhavin Textile, Surat.	Energy Audit Study
135.	1998-99	M/s. Kas Distributors	Advisory Consultant.
136.	1998-99	M/s. Jaybharat Dyeing & Printing Pvt. Ltd., Surat.	Failure analysis report of thermopack
137.	1998-99	M/s. Essar Steel Ltd., Surat.	Consultation for Design of Vapour Removal System.
138.	1998-99	M/s. Welspun Syntex Ltd., Silvassa.	Design of Centralised Energy Efficient /fume Extraction system.
139.	1998-99	M/s. Borasara Mechines,	The problem of fume extraction at RIL, Silvassa.
140.	1998-99	M/s. Silvasa Industries Ltd., Silvasa [Reliance Group]	The design of Energy efficient fume extraction system.
141.	1998-99	M/s. Himson Textile Engg. Industries Ltd., Surat.	Advisory consultant
142.	1998-99	M/s. Bhilosa Systhetics Pvt. Ltd., Bombay	Design of centralized fume extraction system and energy conservation.
143.	1998-99	M/s. Indtex Boilers Pvt. Ltd., A'bad	Technical consultant

Sr. No.	Duration / Date	Organization	Project Title
144.	1998-99	M/s. Surat Municipal Corporation, Surat.	Measurement of Bio-gas Flow & Gas Quality
145.	1998-99	M/s. Shree Narmada Khand Udyog Shakari Mandli Ltd. Rajpipla Bharuch	Inspection of Boiler
146.	1998-99	M/s. Ujala Dyeing & Printing Mills Pvt. Ltd., Sura.	Checking calibration accuracy of Gas flow measuring system.
147.	1997-98	M/s. Kas Distributors, Surat.	Advisory consultant
148.	1997-98	M/s Borasara Machines, Kim	Consultancy for Fume Extraction Problem.
149.	1997-98	M/s. Texfeb Engineering Pvt. Ltd., Sachin	Consultancy services for direct fired loop steamer.
150.	1997-98	M/s. Texfeb Engineering Pvt. Ltd., Sachin	Consultancy for Determination of CFM of Exhaust Blowers
151.	1997-98	M/s. Bharat Engineering Co., Sachin	Consultancy for Development of Solar Heater for Stenter Machine
152.	1996-97	M/s. Vakharia Valkar Pvt. Ltd. Surat.	Damaged Thermic Fluid Heater failure analysis
153.	1996-97	M/s. Borasara (Himson), Kim.	Fume Extraction problem on SDS-709 CR Machines & Advisory Consultant.
154.	1995-96	M/s. Shree Maroli Vibhag Khand Udyog Sahakari Mandali Ltd., Maroli	Problem of excessive Fuel consumption in 30T/h capacity Bagasse Fired Boiler.
155.	1995-96	M/s. Devrekha Engg. Pvt. Ltd.,	Increasing the efficiency of solar equipment & centrifugal pump
156.	1995-96	Indtex Boiler Pvt. Ltd.,	Technical Consultant
157.	1995-96	M/s. Indtex Boilers Pvt. Ltd., A'bad	Linking Auto-CAD with Heat Exchanger Design Software
158.	1995-96	M/s. Mahuva Pradesh Shahakari Khand Udyog Mandli Ltd., Mahuva	Trouble shooting of boiler
159.	1995-96	M/s. Paradise Refrigeration, Surat.	Performance Evaluation of Refrigeration system
160.	1994-95	M/s. Kas consultant, Surat	Advisory consultant
161.	1994-95	M/s. Indtex Boilers Pvt. Ltd., Ahmedabad.	Energy efficient combustion system.
162.	1994-95	M/s. Gujarat Gas Co. Ltd., Ankleshwar	Development of gas based, air conditioner.
163.	1994-95	M/s. Shantinath Silk Ind., Surat.,	Checking the calibration accuracy of gas measuring system.
164.	1993-94	M/s. Kas consultant , Surat	Effect of Alfloc-82 fireside chemicals on boiler performance & anti fouling/slugging characteristics.
165.	1993	M/s. Miraj Power services, Surat	Failure analysis of 1100 KVA DG set.
166.	1999-94	M/s. Kas Consultant, Surat	Advisory consultant
167.	1992-93	M/s. Ansar Ind., Surat	Evaluation of rating of boiler.

Sr. No.	Duration / Date	Organization	Project Title
168.	1987	M/s. Kantilal Chunilal & Sons, Udhna, Surat.	Pressure Drop and heat transfer calculation for LSHS-heater
169.	1986	M/s. Chalthan Vibhag Khand Udhog Sahakari mandali ltd., Chalthan, Surat side	Solution of problem of tube-sheet cracking & consequent short circulating of shell.
170.	1986	M/s. Kantilal Chunilal & sons. Udhna., Surat	Pressure drop calculation of air- heater
171.	1986	M/s. H.I. Patel & company, Surat	Thermal Design of Cylindrical Furnace
172.	1986	M/s. Metal Fab Industries, Udhna, Surat.	Evaluation of thermal efficiency and overall heat transfer coefficients of baby boilers.
173.	1985	M/s. Sheetal Engg. Corp., Vapi	Development of test setup for testing of 25 tonne winch.
174.	1983	M/s. Kantilal Chunilal & Sons., Udhna, Surat	The design of special air heater and special super heater

ANNEXURE - V

Detailed of Testing Work:

Sr. No.	Type of Testing	Industry / Party	Duration / Year
1.	XRD	Alfiya Shaikh	21.08.2019
2.	XRD	Dhara Morawala	19/08/2019
3.	XRD	The Director Svnit (Dr. Kalpana Maheria)	19/08/2019
4.	XRD	Rajesh Malani	19/08/2019
5.	SEM	Jenifer J. Gabla	19/08/2019
6.	CHNS,BOMB	Patel Kintu R.	19/08/2019
7.	XRD	Tushar Pansuriya	01/08/2019
8.	SEM&GOLD COATING	Aakash Patel	01/08/2019
9.	SEM&GOLD COATING	Sahajanand Medical Technology Pvt. Ltd.	26/07/2019
10.	XRD&SEM	Vyas Akash A.	18/07/2019
11.	SEM&GOLD COATING	Sahajanand Medical Technology Pvt. Ltd.	16/07/2019
12.	XRD	Dr. Meghal Desai	16/07/2019
13.	XRD	Rajesh Malani	15/07/2019
14.	SEM&GOLD COATING	Dr. A. K. Mungray	12/07/2019
15.	SEM&GOLD COATING	The Director Svnit (Dr. Alka Mungray)	12/07/2019
16.	XRD	The Director Svnit (Alok Tiwari)	10/07/2019
17.	SEM&GOLD COATING	Sahajanand Medical Technology Pvt. Ltd.	09/07/2019
18.	SEM&GOLD COATING	Sahajanand Medical Technology Pvt. Ltd.	09/07/2019
19.	XRD	Aether Industries Ltd.	09/07/2019
20.	XRD&SEM	Chaudhari Vilas P.	09/07/2019
21.	XRD	The Director Svnit (Alok Tiwari)	09/07/2019
22.	SEM&GOLD COATING	Anudeep Neema	31/05/2019
23.	SEM&GOLD COATING	Anudeep Neema	31/05/2019
24.	SEM&GOLD COATING	Anudeep Neema	31/05/2019
25.	SEM&GOLD COATING	Anudeep Neema	31/05/2019
26.	SEM&GOLD COATING	Anudeep Neema	31/05/2019
27.	SEM&GOLD COATING	Mandar Suresh Bhagat	31/05/2019
28.	SEM&GOLD COATING	Radha Gonawala	28/05/2019
29.	XRD	Radha Gonawala	28/05/2019
30.	CHNS,BOMB	The Director SVNIT (Dr. S. A. Channiwala)	28/05/2019
31.	SEM&GOLD COATING	Rajnikant Prasad	21/05/2019
32.	SEM&GOLD COATING	Rajnikant Prasad	21/05/2019
33.	SEM&GOLD COATING	Rajnikant Prasad	21/05/2019
34.	SEM&GOLD COATING	Rajnikant Prasad	21/05/2019
35.	SEM&GOLD COATING	Rajnikant Prasad	21/05/2019
36.	XRD	Chaudhari Vilas P.	16/05/2019
37.	SEM&GOLD COATING	HOD, MED, Nirma University (Anand Bhatt)	15/05/2019

38.	SEM	Nirav Patel	15/05/2019
39.	SEM	Sachin Prakash Wanare	15/05/2019
40.	CHNS	Jaydeep Kukadiya	10/05/2019
41.	XRD	Nistha Roy	08/05/2019
42.	SEM	Bhoskar Avishkar R.	02/05/2019
43.	XRD,SEM&GOLD COATING	Henilkumar M. Lankapati	26/04/2019
44.	SEM	Nirama University (Roshan Tandel)	26/04/2019
45.	SEM	Nirama University (Roshan Tandel)	26/04/2019
46.	SEM&GOLD COATING	The Director Svnit (Daxa Sharma)	24/04/2019
47.	XRD	Rajesh Malani	24/04/2019
48.	SEM&GOLD COATING	Chitturi Saikrishna	18/04/2019
49.	SEM	Siddhant Patel	11/04/2019
50.	SEM	Siddhant Patel	11/04/2019
51.	SEM	Siddhant Patel	11/04/2019
52.	XRD	The Director Svnit	08/04/2019
53.	SEM&GOLD COATING	Anilk Kumar V.	05/04/2019
54.	XRD	Rajesh Malani	03/04/2019
55.	XRD	Krishna Kumar	03/04/2019
56.	SEM	Dr. Hemant B. Mehta	03/04/2019
57.	XRD	Chintan D. Patel	03/04/2019
58.	XRD	The Director Svnit	03/04/2019
59.	CHNS	The Director (Imran)	28/03/2018
60.	CHNS	Dr. P. V. Bhale	26/03/2018
61.	XRD	Dr. P. V. Bhale	23/03/2018
62.	XRD	The Director (Om Prakash)	22/03/2018
63.	CHNS	The Director (Om Prakash)	22/03/2018
64.	CHNS	P. R. Eco Energy, Vapi	14/03/2018
65.	CHNS	P. R. Eco Energy, Vapi	14/03/2018
66.	SEM	The Director (Jain Suransh)	13/03/2018
67.	SEM	The Director (Dr. D. V. Shah)	13/03/2018
68.	XRD	The Director (Dr. D. V. Shah)	12/03/2018
69.	XRD	Registrar, VNSGU	12/03/2018
70.	XRD	Jaimini Gandhi	05/03/2018
71.	XRD	Shilpa Nandwani	05/03/2018
72.	XRD	Dr. D. V. Shah	05/03/2018
73.	CHNS	Gupta Kamlesh	26/02/2018
74.	SEM	HOD Nirma University	21/02/2018
75.	XRD	Mohit K. Mistry	21/02/2018
76.	SEM	The Director (Krishna)	20/02/2018
77.	XRD	The Director (Dhara)	20/02/2018
78.	CHNS	The Director (Dharmesh Lathiya)	20/02/2018
79.	SEM	Chandra Bhushan	12/02/2018
80.	SEM	The Director (Siddhant Patel)	12/02/2018
81.	XRD	Maliba College	02/02/2018
82.	XRD	Maliba College	29/01/2018

83.	SEM	Ankit Shah	22/01/2018
84.	SEM	The Director (Sargam Rajput)	22/01/2018
85.	SEM	The Director (Krishna)	22/01/2018
86.	CHNS	P. R. Eco Energy, Vapi	22/01/2018
87.	SEM	Dhara h. Morawala	10/01/2018
88.	CHNS	The Director (Dharmesh Lathiya)	08/01/2018
89.	XRD	Jenifer Gabla	03/01/2018
90.	XRD	Henilkumar	03/01/2018
91.	SEM	Siddhant Patel	29/12/2017
92.	XRD	Siddhant Patel	29/12/2017
93.	CHNS	PR ECO ENERGY PVT LTD	28/12/2017
94.	SEM	Mohit K Mistry	26/12/2017
95.	SEM	The Director SVNIT Bharat Kanje	26/12/2017
96.	SEM	The Director SVNIT (Chirag)	26/12/2017
97.	SEM	Damyanti Badagha	26/12/2017
98.	SEM	The Director SVNIT(Dr.Meghal Desai)	26/12/2017
99.	XRD	Vishu Jain	26/12/2017
100.	XRD	Dhiraj D Deshmukh	26/12/2017
101.	SEM	The Director Mohammad Imaran	12/09/2017
102.	SEM	The Director SVNIT Krishna Solanki	12/09/2017
103.	XRD	S.N.Pandya(C/o Director of SVNIT)	27/11/2017
104.	XRD	Dhara H. Morawala	27/11/2017
105.	XRD	Gabla Jenifer J.	27/11/2017
106.	SEM	Monika Gambhir	15/11/2017
107.	SEM	Kamble Ashwin	15/11/2017
108.	XRD	Jaimin Gandhi	15/11/2017
109.	SEM	Mene Nikhil	15/11/2017
110.	XRD	Henil Lankapati	15/11/2017
111.	SEM	The Director Siddhant Patel	09/11/2017
112.	CHNS	PR ECO Energy Pvt Ltd	09/11/2017
113.	SEM	Siddhant Patel	07/11/2017
114.	XRF	Anish G Joshi	01/11/2017
115.	SEM	Monika Gambhir	25/10/2017
116.	XRD	The Director SVNIT	16/10/2017
117.	SEM	Monika Gambhir	16/10/2017
118.	XRD	The Director SVNIT	10/10/2017
119.	SEM	The Director SVNIT	08/10/2017
120.	XRD	The Director SVNIT	25/09/2017
121.	XRD	The Director Radha Gonawala	20/09/2017
122.	XRD	The Director Siddhant Patel	20/09/2017
123.	SEM	The Director Gourav Mishra	20/09/2017
124.	SEM	The Director SVNIT (KRISHNA)	12/09/2017
125.	SEM	The Director SVNIT (MOHAMMAD)	12/09/2017
126.	CHNS	The Director SVNIT (Dharmesh Lathiya)	17/07/2017
127.	XRF	Mariya Jairajpuri	17/07/2017

128.	SEM	Dharmesh B. Jariwala	17/07/2017
129.	CHNS	Mehul S. Joshi	17/07/2017
130.	XRD	Maliba Pharmacy College Bardoli	17/07/2017
131.	CHNS	Director CSIR I I P M HAr Dehradun	17/07/2017
132.	XRD	The Director SVNIT	17/07/2017
133.	SEM	The Director (Om Prakash)	17/07/2017
134.	SEM	The Director (Mohammad)	17/07/2017
135.	SEM	The Director SVNIT	06/07/2017
136.	SEM	The Director SVNIT	06/07/2017
137.	SEM	Vemula Anand Reddy	06/07/2017
138.	XRD	The Director SVNIT	06/07/2017
139.	XRD	The Director SVNIT	06/07/2017
140.	XRF	Shree Sayan V.S.K.U.Mandali. Ltd	05/07/2017
141.	SEM	The Director SVNIT	30/06/2017
142.	XRD	The Director SVNIT	30/06/2017
143.	XRD	The Head. P. G. DEPT OF PHY.S.P.U.V.V.N.	30/06/2017
144.	SEM	The Director SVNIT	30/06/2017
145.	SEM	The Director SVNIT	30/06/2017
146.	XRD	The Director SVNIT	30/06/2017
147.	CHNS	P. R. Eco Energy Pvt. Ltd	30/06/2017
148.	SEM	The Director SVNIT	20/06/2017
149.	SEM	Dhara H Morawala	20/06/2017
150.	CHNS	Pankaj Gadwala	20/06/2017
151.	SEM	Jignesh M Patel	20/06/2017
152.	XRF	Rucha Raval	15/06/2017
153.	SEM	The Director SVNIT	14/06/2017
154.	SEM	The Director SVNIT	14/06/2017
155.	SEM	The Director SVNIT	14/06/2017
156.	XRD	The Director SVNIT	14/06/2017
157.	XRD	S. S. Rikame	14/06/2017
158.	XRD	The Director SVNIT	14/06/2017
159.	XRD	Dhara H Morawala	14/06/2017
160.	XRD	The Director SVNIT	08/06/2017
161.	SEM	The Director SVNIT	08/06/2017
162.	SEM	Kamble Ashwin Ramesh	08/06/2017
163.	SEM	The Director SVNIT	06/06/2017
164.	CHNS	PR Eco Energy Vapi	29/05/2017
165.	SEM	Namrata Mange	25/05/2017
166.	XRD	Namrata Mange	25/05/2017
167.	SEM	The Director SVNIT	18/05/2017
168.	SEM	The Director SVNIT	18/05/2017
169.	SEM	The Director SVNIT	18/05/2017
170.	SEM	The Director SVNIT	18/05/2017
171.	SEM	The Director SVNIT	18/05/2017

172.	XRD	Amit Joshi	18/05/2017
173.	XRD	Amit Joshi	18/05/2017
174.	SEM	Dhruvi Patel	17/05/2017
175.	SEM	Chintan B. Bhagat	17/05/2017
176.	SEM	The Director SVNIT	17/05/2017
177.	XRF	Shree Sayan Vibhag Sahakari Mandali Udhyog	17/05/2017
178.	SEM	The Director SVNIT	12/05/2017
179.	SEM	Sandeep Singh	12/05/2017
180.	SEM	Dhruvi Patel	05/05/2017
181.	SEM	Akshay Ramesh Govande	05/05/2017
182.	XRD	The Director SVNIT	05/05/2017
183.	XRD	Ishan Bandyopadhyay	05/05/2017
184.	XRD	Sandeep Singh	05/05/2017
185.	SEM	The Director SVNIT	05/05/2017
186.	SEM	The Director SVNIT	03/05/2017
187.	XRD	The Director SVNIT	01/05/2017
188.	SEM	The Director SVNIT	28/04/2017
189.	XRD	The Director SVNIT	28/04/2017
190.	CHNS	PR Eco Energy Vapi	28/04/2017
191.	XRD	The Director SVNIT	24/04/2017
192.	SEM	Shinde Aiinkya S.	24/04/2017
193.	XRD	The Director SVNIT	24/04/2017
194.	XRF	SMC .EEd Dept Mugli. Surat	24/04/2017
195.	XRF	SMC .EEd Dept Mugli. Surat	24/04/2017
196.	SEM	Chintan B. Bhagat	21/04/2017
197.	SEM	Sunil Bhavsar	21/04/2017
198.	SEM	Fulari Nikhil S.	19/04/2017
199.	XRD	Rahul R. Sharma	19/04/2017
200.	XRF	Rucha Rawal	19/04/2017
201.	XRF	Jaijapuri Mariya	19/04/2017
202.	XRF	Monika Chandel	19/04/2017
203.	SEM	The Director SVNIT	10/04/2017
204.	SEM	Monika Chandel	10/04/2017
205.	SEM	Monika Chandel	10/04/2017
206.	XRD	The Director SVNIT	07/04/2017
207.	SEM	The Director SVNIT	04/04/2017
208.	SEM	The Director SVNIT	04/04/2017
209.	SEM	The Director SVNIT	04/04/2017
210.	SEM	The Director SVNIT	04/04/2017
211.	XRF	The Director SVNIT	04/04/2017
212.	XRD	Aditi Toshniwal	04/04/2017
213.	SEM	The Director SVNIT	22/03/2017
214.	XRD	Rahul R. Sharma	22/03/2017
215.	XRD	Vishal D.Khomane	22/03/2017

216.	XRD	Vemula Anand Reddy	22/03/2017
217.	SEM	Director SVNIT (Prashant)	22/03/2017
218.	XRD	Neha Rawal	17/03/2017
219.	XRD	The Director SVNIT	16/03/2017
220.	XRD	The Director SVNIT	16/03/2017
221.	XRD	The Director SVNIT	16/03/2017
222.	CHNS	Chem Process System Pvt	15/03/2017
223.	SEM	Dr Sureshkumar Kailasa	15/03/2017
224.	CHNS	PR Eco Energy Vapi	10/03/2017
225.	XRF	Hod Med Nirma Uni Amd	09/03/2017
226.	CHNS	Hod Med Nirma Uni Amd	09/03/2017
227.	XRD	The Director SVNIT	03/03/2017
228.	XRD	The Director SVNIT	02/03/2017
229.	SEM	The Director SVNIT	28/02/2017
230.	XRD	The Director SVNIT	28/02/2017
231.	CHNS	PR Eco Energy Vapi	10/02/2017
232.	SEM	Satish More	10/02/2017
233.	SEM	Ankit Shah	10/02/2017
234.	XRD	The Director SVNIT	06/02/2017
235.	XRD	Om Prakash	06/02/2017
236.	CHNS	Satish R More	02/02/2017
237.	SEM	PUSHKAR PRIYAKANT	02/02/2017
238.	SEM	ANKIT SHAH	02/02/2017
239.	SEM	Ankit Shah	30/01/2017
240.	CHNS	Dr P V Bhale	30/01/2017
241.	SEM	Nikhil S Fulari	24/01/2017
242.	XRD	Neha Rawal R	24/01/2017
243.	CHNS	Bhaskar Silk Mills Pvt.ltd	24/01/2017
244.	SEM	Ajinkya Shinde	12/01/2017
245.	CHNS	PR Eco Energy Vapi	09/01/2017
246.	CHNS	PR Eco Energy Vapi	09/01/2017
247.	SEM	Rahul Yadav	06/01/2017
248.	SEM	Patel Dhruvi M	06/01/2017
249.	CHNS	The Director SVNIT	30/12/2016
250.	SEM	Satish R More	28/12/2016
251.	SEM	Dr. N. M. SHAH	26/12/2016
252.	SEM	The Director SVNIT	26/12/2016
253.	XRD	The Director SVNIT	26/12/2016
254.	XRD	Dhara H Morawala	26/12/2016
255.	CHNS	PR Eco Energy Vapi	26/12/2016
256.	SEM	Sonal Shah	19/12/2016
257.	SEM	Satish R More	15/12/2016
258.	XRD	The Director SVNIT	14/12/2016
259.	XRD	The Director SVNIT	08/12/2016
260.	XRD	The Director SVNIT	08/12/2016

261.	SEM	The Director SVNIT	07/12/2016
262.	SEM	The Director SVNIT	07/12/2016
263.	XRD	The Director SVNIT	06/12/2016
264.	XRD	Dhara H Morawala	06/12/2016
265.	SEM	Sonal Shah	29/11/2016
266.	XRF	Anil Kumar	29/11/2016
267.	XRF	Vaibhav Gupta	29/11/2016
268.	CHNS	PR Eco Energy Vapi	29/11/2016
269.	CHNS	PR Eco Energy Vapi	29/11/2016
270.	SEM	The Director SVNIT	23/11/2016
271.	SEM	The Director SVNIT	23/11/2016
272.	XRD	S N Pandya	23/11/2016
273.	XRD	Amit Joshi	18/11/2016
274.	SEM	The Director SVNIT	18/11/2016
275.	SEM	Satish More	15/11/2016
276.	XRF	Sonal Shah	21/10/2016
277.	SEM	J V Bholanda	19/10/2016
278.	XRD	Dipesh Mistry	06/10/2016
279.	SEM	S N Pandya	30/09/2016
280.	XRF	Sonal Shah	29/09/2016
281.	CHNS	PR Eco Energy Vapi	16/09/2016
282.	CHNS	PR Eco Energy Vapi	16/09/2016
283.	CHNS	PR Eco Energy Vapi	12/09/2016
284.	XRF	Z.I.Engineering Works	07/09/2016
285.	SEM	The Director SVNIT	02/09/2016
286.	XRD	The Director SVNIT	02/09/2016
287.	XRF	Dr. Dilip Patel	02/09/2016
288.	XRD	The head.p.g dept.of phy spu.vvn	31/08/2016
289.	XRD	The Director SVNIT	29/08/2016
290.	XRD	The Director SVNIT	29/08/2016
291.	SEM	The Director SVNIT	17/08/2016
292.	XRF	Shree sayanvibhag sahakari khand ltd	11/08/2016
293.	SEM	The Director SVNIT	04/08/2016
294.	CHNS	PR Eco Energy Vapi	04/08/2016
295.	SEM	Satsh R More	19/07/2016
296.	SEM	The Director SVNIT	19/07/2016
297.	XRD	The Director SVNIT	19/07/2016
298.	XRF	Shree Sayan Vibhag Khand Udyog	19/07/2016
299.	XRF	Shree Engineers Sachin Surat	19/07/2016
300.	SEM	The Director SVNIT	13/07/2016
301.	XRD	The Director SVNIT	08/07/2016
302.	SEM	The Director SVNIT	08/07/2016
303.	XRF	Shree Sayan Vibhag Khand Udyog	04/07/2016
304.	XRD	S N Pandya(Director svnit)	01/07/2016
305.	CHNS	The Director SVNIT	01/07/2016

306.	SEM	The Director SVNIT	30/06/2016
307.	SEM	The Director SVNIT	30/06/2016
308.	XRD	The Director SVNIT	30/06/2016
309.	SEM	The Director SVNIT	24/06/2016
310.	XRD	The Director SVNIT	24/06/2016
311.	SEM	The Director SVNIT	22/06/2016
312.	SEM	Chavan Charudatt V.	19/06/2016
313.	SEM	The Director SVNIT	17/06/2016
314.	SEM	The Director SVNIT	17/06/2016
315.	SEM	Chavan Charudatt V.	17/06/2016
316.	SEM	Chavan Charudatt V.	17/06/2016
317.	CHNS	PR Eco Energy Vapi	16/06/2016
318.	CHNS	PR Eco Energy Vapi	16/06/2016
319.	SEM	Shilpa Bathra	15/06/2016
320.	SEM	The Director SVNIT	15/06/2016
321.	SEM	Chavan Charudatt V.	15/06/2016
322.	CHNS	Dr. P.V.Bhale	15/06/2016
323.	CHNS	Dr. P.V.Bhale	15/06/2016
324.	CHNS	Dr. P.V.Bhale	15/06/2016
325.	CHNS	Dr. P.V.Bhale	15/06/2016
326.	XRD	Sonal Shah	15/06/2016
327.	SEM	Alpesh Patel	10/06/2016
328.	XRF	Kamlendra Gautam	06/06/2016
329.	SEM	The Director SVNIT	06/06/2016
330.	XRD	The Director SVNIT (Nitu)	03/06/2016
331.	SEM	The Director SVNIT	30/05/2016
332.	SEM	The Director SVNIT	30/05/2016
333.	SEM	Ajit Dhanavde	30/05/2016
334.	SEM	Nikhil Vasoya	25/05/2016
335.	SEM	The Director SVNIT	25/05/2016
336.	SEM	The Director SVNIT	25/05/2016
337.	XRD	The Director SVNIT	25/05/2016
338.	SEM	The Director SVNIT	18/05/2016
339.	SEM	V Subdhuri	18/05/2016
340.	XRD	Dr. Jiten D. Tailor	17/05/2016
341.	XRF	Nirajkumar C.Khant	16/05/2016
342.	TGA	Sonal Shah	12/05/2016
343.	XRD	The Director SVNIT	09/05/2016
344.	SEM	The Director SVNIT	09/05/2016
345.	CHNS	PR Ecoenergy P.L.D. Vapi	06/05/2016
346.	SEM	The Director SVNIT	04/05/2016
347.	SEM	Francis Jose Parakal	04/05/2016
348.	XRD	The Director SVNIT	02/05/2016
349.	SEM	The Director SVNIT	02/05/2016
350.	XRF	Patel Mehul K	27/04/2016

351.	SEM	The Director SVNIT	27/04/2016
352.	SEM	The Director SVNIT	25/04/2016
353.	XRD	The Director SVNIT	25/04/2016
354.	XRD	The Director SVNIT	25/04/2016
355.	EROSION	Mistry K	25/04/2016
356.	CHNS	PR Ecoenergy P.L.D. Vapi	19/04/2016
357.	SEM	The Director SVNIT	19/04/2016
358.	XRD	Jenifer Gabla	19/04/2016
359.	SEM	Chetan Patel	18/04/2016
360.	EROSION	Raj Patel	15/04/2016
361.	SEM	Ajit Dhanawade	15/04/2016
362.	XRD	Dhaval S Devdhekar	15/04/2016
363.	SEM	Apekesh Menclhe	12/04/2016
364.	XRF	Laxmi Enterprise Surat	12/04/2016
365.	XRD	The Director SVNIT	12/04/2016
366.	XRF	Laxmi Enteprise Surat	12/04/2016
367.	SEM	Apekesh Menclhe	12/04/2016
368.	TGA	Shree Kamrej Vib Shah	7/04/2016
369.	SEM	Jignesh K. Patel	29/03/16
370.	SEM	Sumit Suryakant Kamat	29/03/16
371.	SEM	The Director SVNIT	23/03/16
372.	SEM	The Director SVNIT	22/03/16
373.	SEM	Hemant B. Mehta	21/03/16
374.	SEM	Harshida Chaudhari	21/03/16
375.	XRD	The Director SVNIT	15/03/16
376.	SEM	Neel A Patel	15/03/16
377.	XRD	Rajni Borad	15/03/16
378.	XRD/SEM	The Director SVNIT(Sonal)	14/03/16
379.	XRF	Shree kamrej Vibhag	14/03/16
380.	SEM	Rajni Borad	11/3/2016
381.	XRD	The Director SVNIT(Hina)	8/3/2016
382.	XRD	The Director SVNIT(Nitu)	4/3/2016
383.	CHNS	Shree kamrej Vibhag	1/3/2016
384.	XRD	The Director SVNIT(Pooja)	1/3/2016
385.	XRD	The Director SVNIT(Jibin)	25/02/16
386.	SEM	The Director SVNIT	24/02/16
387.	XRD	The Director SVNIT(Pankaj)	24/02/16
388.	TGA	Gurukrupa Mach Tech	24/02/16
389.	XRD	The Director SVNIT	22/02/16
390.	SEM	The Director SVNIT(Jibin)	22/02/16
391.	Bomb Calorimeter	Dr.P.V.Bhale	17/02/16
392.	TGA	Anita Borade	2/2/2016
393.	CHNS	PR Ecoenergy P.L.D. Vapi	12/2/2016
394.	XRD	Dr. Parih Joshi	8/2/2016
395.	X-MET	Aneei Const. pvt,ltd	8/2/2016

396.	XRD	The Director SVNIT(Jibn)	2/2/2016
397.	XRF	Borade Anita	2/2/2016
398.	XRF	The Director SVNIT(Avinash)	2/2/2016
399.	X-MET	Mitesh Patil Dhule	21/01/16
400.	XRF	The Director SVNIT	18/01/16
401.	SEM	Srujal P. Rana	13/01/16
402.	SEM	Gahrav Mishra	13/01/16
403.	Bomb Calorimeter	Shhdanshu	13/01/16
404.	SEM	Snehal Ghule	8/1/2016
405.	SEM	Chakradhar Bandapalli	5/1/2016
406.	SEM	Dayanand Sharma	5/1/2016
407.	SEM	Dr.K.Sureshkumar	5/1/2016
408.	SEM	Dr.K.Sureshkumar	5/1/2016
409.	SEM	Nirav Desai	5/1/2016
410.	SEM	The Director SVNIT	5/1/2016
411.	SEM	Harshida Chaudhri	5/1/2016
412.	Bomb Calorimeter	PR Ecoenergy P.L.D. Vapi	5/1/2016
413.	TGA	PR Ecoenergy P.L.D. Vapi	17/12/15
414.	SEM	Satish R More	15/12/15
415.	XRD	Sanjay R Patel (Prashant)	15/12/15
416.	SEM	The Director SVNIT (Karuna)	15/12/15
417.	XRF	Gurukrupa Mach Tech Pvt Ltd	14/12/15
418.	Bomb Calorimeter	The Director SVNIT(Sudanshu)	9/12/2015
419.	XRD	The Director SVNIT	4/11/2015
420.	XRD	The Director SVNIT	4/11/2015
421.	CHNS	Director NIT Silchar	4/11/2015
422.	SEM	S.G.Kilarni	30/11/15
423.	SEM	Tejaskumar Chaudhari	30/11/15
424.	CHNS	PR Ecoenergy P.Ltd Vapi	30/11/15
425.	SEM	Keyur Mulani	27/11/15
426.	XRF	The Director SVNIT	27/11/15
427.	XRF	The Director SVNIT	27/11/15
428.	XRF	The Director SVNIT	27/11/15
429.	SEM	The Director SVNIT	23/11/15
430.	SEM	Om Prakash	18/11/15
431.	XRD	Alpesh Patel	12/11/2015
432.	XRF	Bagia Maryam (Dr.Bhavna)	2/11/2015
433.	SEM	Chauhan Charudatt	23/10/15
434.	SEM	The Director SVNIT	21/10/15
435.	SEM	Tushar Yadav	20/10/15
436.	SEM	Gaurav Mishra	19/10/15
437.	SEM	Amit G. Shirka	14/10/15
438.	SEM	Smitha Rajesh	9/10/2015
439.	SEM	Satish More (Harshal D)	8/10/2015
440.	SEM	Chakradhar Bandapali	8/10/2015

441.	SEM	Laxmi Engieeing Works	8/10/2015
442.	SEM	Dr.Sailendra Kumar	29/09/15
443.	SEM	Dr.Sailendra Kumar	29/09/15
444.	SEM	Dr.Sailendra Kumar	29/09/15
445.	SEM	Dr.Sailendra Kumar	29/09/15
446.	SEM	Dr.Sailendra Kumar	29/09/15
447.	SEM	Dr.Sailendra Kumar	29/09/15
448.	XRD	Kirt Siddhapuria	29/09/15
449.	SEM	Nitu Kumari	23/09/15
450.	CHNS	Sanjay Srivastava	21/09/15
451.	XRD	Scet Surat	15/09/15
452.	X-MET	Shree Sayan Vibhag Sahakari Khand UD.MNL	15/09/15
453.	SEM	Tushar Yadav	3/9/2015
454.	SEM	Bharatkumar B Kanoje	26/08/15
455.	TGA	Rochem Green Energy	17/08/15
456.	XRD	Sneha Solanki	10/8/2015
457.	XRD	Patel Sani A	29/07/15
458.	SEM	Akshsy R Gavai	17/07/15
459.	XRD	Dr. Jiten P Tailor	15/07/15
460.	X-MET	Yaduvansh Sharma	13/07/15
461.	SEM	The Director SVNIT	13/07/15
462.	X-MET	Deputi Director of Animal HUS Dist-Tapi	9/7/2015
463.	XRD	The Director SVNIT	8/7/2015
464.	XRD	The Director SVNIT	8/7/2015
465.	CHNS	Rishi Pareek	6/7/2015
466.	XRD	The Director SVNIT	3/7/2015
467.	XRD	S.N.Pandya	3/7/2015
468.	SEM	Chetan Sharma	3/7/2015
469.	SEM	Harshida G. Chaudhri	29/06/15
470.	SEM	The Director SVNIT	29/06/15
471.	SEM	Harshida G. Chaudhri	23/06/15
472.	XRD	D.Patel	23/06/15
473.	SEM	Rohit M. Kudtarkar	23/06/15
474.	SEM	Chakradhar Bandapalli	23/06/15
475.	XRD	Chakradhar Bandapalli	23/06/15
476.	X-MET	Chakradhar Bandapalli	23/06/15
477.	SEM	Gaurav Hambarde	19/06/15
478.	SEM	The Director SVNIT	18/06/15
479.	XRD	Gaurav Hambarde	18/06/15
480.	SEM	Patel Sani	17/06/15
481.	XRD	The Director SVNIT	16/06/15
482.	SEM	The Director SVNIT	12/6/2015
483.	SEM	Sudheeh S	12/6/2015
484.	SEM	Dipti Patel	12/6/2015

485.	SEM	Sudheeh S	12/6/2015
486.	XRD	Dipti Patel	12/6/2015
487.	SEM/EDX	L & T Special Steels And	09/06/15
488.	X-MET	Hetal Trivedi	3/6/2015
489.	SEM	Vaishak.S	29/05/15
490.	SEM	S.Patel	27/05/15
491.	XRD	S.Patel	27/05/15
492.	XRD	S.Patel	25/05/15
493.	SEM	S.Patel	25/05/15
494.	X-MET	M/s.Deputy Director,Tapi.	25/05/15
495.	SEM	The Director SVNIT	21/05/15
496.	CHNS	P.R.Ecoenergy pvt.ltd	21/05/15
497.	SEM	The Director SVNIT	20/05/15
498.	SEM	The Director SVNIT	20/05/15
499.	SEM	Achu B.	19/05/15
500.	SEM	Achu B.	19/05/15
501.	SEM	Nirali Patel	15/05/15
502.	SEM	S.G.Kulkarni	15/05/15
503.	XRD	Hozefa Tinwala	15/05/15
504.	XRD	Pratik Bose	11/5/2015
505.	XRD	Mitesh Lalwala	11/5/2015
506.	SEM	Dr. M.N.Shah	8/5/2015
507.	SEM	Meenal Gupta	6/5/2015
508.	SEM	Dr. M.N.Shah	5/5/2015
509.	SEM	The Director SVNIT	5/5/2015
510.	SEM	The Director SVNIT	28/04/15
511.	SEM	Ujval N.Shah	27/04/15
512.	Bomb Calorimeter	Vaishak S.	24/04/15
513.	SEM	Patel Nirali	24/04/15
514.	XRD	Hozefa Tinwala	24/04/15
515.	SEM	The Director SVNIT	24/04/15
516.	XRD	Patel Nirali	15/04/15
517.	XRD	Mehul Savalia	10/4/2015
518.	SEM	Anjali Bijani	31/03/15
519.	XRD	The Director SVNIT	31/03/15
520.	SEM	N.Ranesh	31/03/15
521.	SEM	The Director SVNIT	25/03/15
522.	SEM	The Director SVNIT	25/03/15
523.	SEM	Amol Patil	20/03/15
524.	SEM	Dhvani Patel	20/03/15
525.	SEM	Priyakant Pushkar	19/03/15
526.	SEM	Dhvani Patel	13/03/15
527.	SEM	Manshi Patil	12/3/2015
528.	SEM	Yashad Joshi	12/3/2015
529.	Bomb Calorimeter	Zoher Lokhandwala	19/03/15

530.	SEM	Dhvani Patel	9/3/2015
531.	CHNS/TGA/ Bomb Calorimeter	M/s. PR Energy.pvt ltd	11/3/2015
532.	CHNS/TGA/ Bomb Calorimeter/XRD/XRF/ X-MET	M/s. Altre Industries.surat	18/03/15
533.	XRD	Hitesh P. Chauhan	18/02/15
534.	X-MET	Noah Equipment pvt ltd	16/02/15
535.	XRD	Dhvani Patel	10/2/2015
536.	XRD	Mehulkumar Sawliya	10/2/2015
537.	XRD	Anjall Bijiiani	3/2/2015
538.	XRD	Hozefa Tinwala	3/2/2015
539.	XRD	The Director SVNIT	27/01/15
540.	XRD	Anjall Bijiiani	22/01/15
541.	XRD	Hozefa Tinwala	22/01/15
542.	XRD	Anjal Bijiiani	9/1/2015
543.	SEM	Hozefa Tinwala	8/1/2015
544.	SEM	Vikram P Rathod	5/1/2015
545.	SEM	The Director SVNIT	2/1/2015
546.	SEM	Director SVNIT	9/12/2014
547.	SEM	Director SVNIT	9/12/2014
548.	SEM	Chakradhar Bandapalli	9/12/2014
549.	SEM	Satish S.Rikame	9/12/2014
550.	SEM	Director SVNIT	9/12/2014
551.	SEM	Director SVNIT	9/12/2014
552.	SEM	Director SVNIT	9/12/2014
553.	XRD	Director SVNIT	29/11/14
554.	XRD	Director SVNIT	28/11/14
555.	XRD	Sanjay Srivastav	28/11/14
556.	XRD	Manoj R.Korke	19/11/14
557.	XRD	Joshi Yashad A.	12/11/2014
558.	XRD	Yogeshwar Suryavanshi	15/10/14
559.	XRD	Pankaj Pardeshi	10/9/2014
560.	SEM	Yogeswar Suryavanswi	10/9/2014
561.	SEM	Sattsh S. Rikame	10/9/2014
562.	XRD	Kunal Dwivedi	30/07/14
563.	XRD	Channiwala Murtaza	30/07/14
564.	SEM	Satish S.Rikame	30/07/14
565.	XRD	Swanand Gajanan Kulkarni	4/7/2014
566.	SEM	Dr.P.V.Bhale	17/07/14
567.	SEM	Amol B. Kakare	17/07/14
568.	SEM	Director SVNIT	17/07/14
569.	SEM	Bharai Kumar	17/07/14
570.	SEM	Suraj Singh Dixit	17/07/14
571.	XRD	Mitesh J.Lalwala	17/07/14
572.	XRD	Chaudhari Dhaval Kumar	17/07/14
573.	SEM	Director.SVNIT	17/07/14

574.	XRD	S.N.Pandya	17/07/14
575.	SEM	Director.SVNIT	16/06/14
576.	SEM	Satish Rikame	16/06/14
577.	XRD	Satish Rikame	20/06/14
578.	XRD	Director.SVNIT	9/6/2014
579.	X-MET	Tirupati Construction	13/06/14
580.	SEM	Satish Tikane	16/06/14
581.	SEM	Director. SVNIT	16/06/14
582.	XRD	Director.SVNIT	26/05/14
583.	XRD	Mina Kshee	22/05/14
584.	XRD	Dr.P.V.Bhale	22/05/14
585.	XRD	Kadam Maehak	12/5/2014
586.	X-MET	Amar Daiey	20/05/14
587.	SEM	Director.SVNIT	23/05/14
588.	SEM	Neha Sureshgowode	22/05/14
589.	SEM	Chakwdhar Bandapalli	20/05/14
590.	SEM	Dr.P.V.Bhale	20/05/14
591.	SEM	Director.SVNIT	12/5/2014
592.	SEM	Director.SVNIT	6/5/2014
593.	SEM	Shruti P.Chaudhri	4/4/2014
594.	Bomb Calorimeter	Mohmmad Hasain	21/04/14
595.	Bomb Calorimeter	Kamlesh A.Sorate	15/04/14
596.	CHNS	Stphanie I.Dsoza	21/04/14
597.	XRD	Director.SVNIT	28/04/14
598.	XRD	Director.SVNIT	28/04/14
599.	XRD	Director.SVNIT	21/04/14
600.	XRD	Dr.Naved Imalek	16/04/14
601.	XRD	Rathod Margkamar	15/04/14
602.	XRD	Nidhi Jalasna	3/4/2014
603.	XRD	The Director SVNIT	27/03/14
604.	X-MET	Mehal S.Chaudhri	25/03/14
605.	X-MET	Ashirwadpalace	20/03/14
606.	SEM	Shruti P.Chaudhri	3/4/2014
607.	SEM	Neha S.Gawande	31/03/14
608.	SEM	Tejas S.Gandhi	7/3/2014
609.	SEM	Registrarn(vnsgu) Surat	3/3/2014
610.	SEM	Sandeep dharamadhikari	3/3/2014
611.	SEM	Vijay Thake	3/3/2014
612.	XRD	Kiran T.Rathod	25/02/14
613.	XRD	Nalin Maniya	21/02/14
614.	X-MET	Navin fluorine .Ltd	21/02/14
615.	SEM	Sachin A.Sakhare	25/02/14
616.	SEM	D.Satish	21/02/14
617.	SEM	Sandeep Dharmadhikari	21/02/14
618.	XRD	Kumar Abhiyoday	19/02/14

619.	SEM	Vijay Thakre	19/02/14
620.	XRD	Pandya Shaileshkumar N.	6/1/2014
621.	SEM	Harshal A.Gulhane	6/1/2014
622.	TGA	Dr.P.V.Bhale	6/1/2014
623.	SEM	Kumar Abhiyoday	19-02-14
624.	XRD	Vijay D. thakare	19-02-14
625.	SEM	Sumit kumar meena	19-02-14
626.	SEM	Sandeep dharamadhikari	19-02-14
627.	XRD	Nishita d. desai	19-02-14
628.	SEM	Tejas S.Gandhi	15-01-14
629.	SEM	Mohit Singh	15-01-14
630.	SEM	Chetan m patel	29-12-13
631.	SEM	Sandeep Dharmadhikari	19-12-13
632.	XRD	Rathod manoj	24-10-13
633.	XRD	Rathod Manojkumar	24-10-13
634.	XRD	Rathod Manojkumar	24-10-13
635.	SEM	Gulshah Prints Pvt.Ltd	22-10-13
636.	XRD	Rathod Manojkumar	22-10-13
637.	X-MET	Navin fluorine.Ltd	15-10-13
638.	X-MET	Navin Fluorine .Ltd	10/10/2013
639.	X-MET	Navin Fluorine .Ltd	13-09-13
640.	SEM	Patel Harsh	25-08-13
641.	SEM	Kinjal K. Patel	23-08-13
642.	SEM	Punit bansal	18-07-13
643.	X-MET	Navin fluorine	24-06-13
644.	X-MET	Navin Fluorine ltd.Surat.	21-06-13
645.	SEM	Divyen N. Patel	29-05-13
646.	SEM	Scet Him B.Patel	23-04-13
647.	SEM	Patel Nilesh	23-04-13
648.	SEM	D.Satish	26-02-13
649.	SEM	Sonigra Bhaskar	26-02-13
650.	SEM	Anil Kumar Gorasiym	16-01-13
651.	SEM	Dr.Ravi Agarwal	16-01-13
652.	SEM	Shahlon Industries Pvt.Ltd	21-09-12
653.	SEM	V.D. Kalyankar	30-08-12
654.	TGA	Sachin U. Nandanwar	13-9-11
655.	TGA	Gulshan Print pvt.ltd	20-10-11
656.	SEM	Meghal desai	14-9-11
657.	GC	Shree hindusthan fabricators ,Engg. and contractor	16-5-12
658.	SEM	Chetan M. Patel	29-9-11
659.	TGA	Pratibha fabric ltd. surat	7-10-11
660.	XRD	Hitesh parmar	14-9-11
661.	Bomb Calorimeter	Shivram	18-10-11
662.	TGA	Bhavin textile	18-10-11
663.	SEM + XRD	Pankaj Gandhi	21-10-11

664.	SEM	K.P. Kannan	16-12-11
665.	TGA	Rachna Art print pvt.ltd	20-10-11
666.	XRD	Ashish panchal	16-12-11
667.	SEM	Ashish D. Modi	28-11-11
668.	SEM	Kamlesh S. Dalal	18-05-12
669.	SEM	Roshan Patel	18-5-12
670.	SEM	Krishna patel	18-5-12
671.	XRF	Chetan M. patel	22-3-12
672.	SEM	Shailesh patel	7-6-12
673.	SEM	Arvind patel	7-6-12
674.	SEM	Rakhi Mehta	18-5-12
675.	Wear Test	Amol kakade	18-5-12
676.	SEM	Kanu bhai rathod	7-6-12
677.	SEM	Kandarp changela	15-6-12
678.	SEM	Piyush Vasava	7-6-12
679.	TGA	Bhavin textile	28-11-11
680.	SEM	Dr.K. P. Desai	05-12-12
681.	SEM	Amol Kakade	05-12-12
682.	SEM	Dr. Ravi Agarwal	16-01-13
683.	SEM	Anilkumar Gorasiya	16-01-13
684.	SEM	Sonigra Bhaskar K.	26-02-13
685.	SEM	D. Satish	26-02-13
686.	Lignite Testing (GCV & Proximate)	GMDC LTD	2010
687.	Alloy analysis & XRD	Mr. O K Mokadvad	2010
688.	SEM analysis	Dr. (Mrs.) B.A.Shah Chemistry	2010
689.	XRF & XRD	Gujarat Minerals Develop. Corp Ltd.	2010
690.	Gross Calorific Value	Radhe Fuld	2010
691.	Alloy Analysis	Shivam Engineering	2010
692.	Fly Ash (GCV, Proximate & Ultimate Analysis)	Altret Performances	2010
693.	Alloy Analysis	NiKo Resources Ltd.	2010
694.	XRF	Charu Chemicals	2009
695.	GCV & Proximate	Sudha Dyeing & Printing Mills Pvt.	2009
696.	Metal Composition	Sunil R Mistry	2009
697.	XRD	Dr. Naved Malek	2009
698.	XRD	Krunal Shah	2009
699.	GCV, Proximate	Gulshan Prints	2009
700.	GCV (Lignite)	GMDC Ltd	2009
701.	GCV (Lignite)	GMDC Ltd	2009
702.	GCV, Proximate	Gulshan Prints	2009
703.	XRF	Charu Chemicals	2009
704.	GCV, Proximate	Gulshan Prints	2009
705.	GCV (Lignite)	GMDC Ltd	2009
706.	SEM	Pratik Degadwala	2009
707.	SEM, XRD, XRF	Choya Engineer	2009
708.	GCV (Lignite)	GMDC Ltd	2009
709.	Alloy Analysis	Kiran Industries	2009
710.	Alloy Analysis	Seimens	2009

711.	GCV (Lignite)	GMDC Ltd	2009
712.	Gross Calorific Value	Radhe Fuld	2009
713.	SEM	L & T Hazira	2009
714.	GCV, Proximate (Lignite)	GMDC Ltd	2009
715.	XRF & XRD	Bharat prints	2009
716.	XRF	Atul Enginnering	2009
717.	XRD	Tarulata	2009
718.	XRF	Director, SVNIT	2009
719.	XRF & XRD	P.M. Mebk	2009
720.	SEM	Director, SVNIT	2009
721.	GCV, Proximate	Gulshan Prints	2009
722.	GCV, Proximate, Alloy Analysis	Miraj Bio-power Ltd	2009
723.	Alloy Analysis	Bindal Silk Mill Ltd	2009
724.	XRD	Krunal Shah	2009
725.	XRD	Krunal Shah	2009
726.	GCV (Lignite)	GMDC Ltd	2008
727.	GCV, Proximate	Gulshan Prints	2008
728.	Specific resistivity	Altreet Chemicals	2008
729.	Fly Ash (GCV, Proximate & Ultimate Analysis)	Altreet Chemicals	2008
730.	GCV, Proximate (Lignite)	GMDC Ltd	2008
731.	Alloy Analysis	Bindal Silk Mill Ltd	2008
732.	GCV, Proximate (Lignite)	GMDC Ltd	2008
733.	Testing of Salem make steel	M/s. Torrent Power Ltd., Kamrej, Surat	2006
734.	Testing of alloy steel	M/s. Hindustan Gear & Engg. Works Udhna , Surat	2006
735.	Testing for calibration of flow measuring devices	M/s. Proto Pumps & Motors Pvt. Ltd., Alipore, Chikhli	1997-98
736.	Testing for stack sampling	M/s. Natural Glass & Allied Ind. Ltd., Kosamba.	1997-98
737.	Testing for dead weight tester	M/s. Narmada Offshore Construction P. Ltd., Mumbai.	1997-98
738.	Testing Blowers on Draw Texturing Machines	M/s. Himson Machines, Kim.	1996
739.	Testing regarding calibration of flow measuring devices	M/s. Proto Pumps & Motors Pvt. Ltd., Alipore, Chikhli	1996
740.	Testing for calibration recorders	M/s. Narmada Offshore Construction Pvt. Ltd., Mumbai	1996
741.	Calibration of Dead Weight Tester (Hydro Testing work)	M/s. Hyundai Industries South Korea (Surat office)	1995
742.	Testing for Centrifugal Pump	M/s. Devrekha Engg. Pvt. Ltd., Surat.	1995
743.	Testing of high speed diesel oil.	M/s. Punj Lyod, Delhi	1994
744.	Calibration of Dead Weight Tester, Pressure Recorder, Temp. Recorder etc.	M/s. Punj Lyod Ltd., New Delhi	1994
745.	Testing of Thermo pack Oil	M/s. Vipul Textile Ind. Pvt. Ltd., Sachin.	1993
746.	Testing of HYSIL Hot Insulation product	M/s. Rajani Associates, Surat.	1993

747.	Testing of High Speed Diesel Oil	M/s. Essar Projects Ltd., Surat.	1993
748.	Testing of High Speed Diesel Oil	M/s. Essar Projects Ltd., Surat.	1992
749.	Evaluation of the properties of Lubricant Oil	M/s. Batliboy Ind., Udhna	1987
750.	Evaluation of the properties of Thermic Fluid	M/s. Amit Dyeing & Printing, Sachin, Surat.	1987
751.	Testing of Pressure Gauges.	M/s. KRIBHCO, Surat.	1986
752.	Calibration of 100 kgs-m Torques Wrench	M/s. KRIBHCO, Surat.	1986
753.	Testing of C.I Manholes frame, Jalley	M/s. Surat Municipal Corp.	1986
754.	Testing of RL-35 Engine	M/s. Rallis India Ltd.,	1986

ANNEXURE - VI**Details of Patents**

Sr. No.	Title	Application/ Registration Number & Date
INTERNATIONAL LEVEL		
1.	Dedicated Natural Gas Engine Technology for Mobile and Stationary Application Co-Applicant: Dr. Rajesh Iyer	2310/MUM/2009 dtd. 08/10/2009 CBR No. 9587
2	Zero Effluent Discharge Biomass Gasification System Co-Applicant : Padsumbiya Subhash S, M/s. Gurukrupa Machtech Pvt. Ltd. Morbi	2171/MUM/2013 dtd. 26/06/2013 CBR No.11062 Docket No. 13950
NATIONAL LEVEL		
3	Rotary Delayed Entry Valve for Hydrogen Fuelled Engine Co-Applicant: Dr. Vikas Patel	500/MUM/2010 dtd. 26/06/13 CBR No.11069 Docket No. 13957
4	Modified Angular Momentum method for Designing a Volute for Centrifugal fans And Blowers Co-Applicant : Dr. Beena D. Baloni	Certificate No. 40147 Design No. 268337 Date: 22/12/2014 Date of Issue 15/09/2015
5	Macrolevel Termogravimetric Analyser cum Pyroliser Co-Applicant Dr. Sadanand A. Namjoshi	2872/MUM/2013 Dtd. 4/9/2013 CBR No.13950 Docket No. 18079
6	Flame Quencher For Hydrogen Combustion Co-Applicant: Dr. Digvijay Kulshreshtha	Design No. 246456 Date: 10/07/2012 Certificate No. 21108 Date of Issue: 29/1/2013
7	Atomiser For Combustion Co-Applicant: Dr. Digvijay Kulshreshtha, Saurabh Dikshit	Design No. 246457 Date: 10/07/2012 Certificate No. 21516 Date of Issue: 22/2/2013
8	Cooking Stove Flame Shield Co-Applicant: Pankaj P. Gohil	Design No. 241354 Date: 09/12/2011 Certificate No. 15527 Date of Issue: 04/05/2012
9	An Inventive Configuration of A Hybrid Car ADRENe Co-Applicant: Manan Design, Nagarsheth H. J.	421/MUM/2014 dtd. 06/02/2014 CBR No. 1699 Docket No. 2378
10	Volute for Gas Turbine Application Co-Applicant: Samip P. Shah, Dr. Digvijay Kulshreshtha	Ref. No. 280574 dtd. 17/02/2016 CBR No. 2166
11	Twin Entry Volute for Gas Turbine Applications Co-Applicant: Samip P. Shah, Dr. Digvijay Kulshreshtha	Ref. No. 280877 dtd. 26/02/2016 CBR No. 2645

ANNEXURE - VII

Technology Transfer Agreement

Sr. No.	Duration , Month, Year	Name of industry	Type/Title of Agreement
1.	1-9-2005 to 31-8-2010	M/s. Altret Performance chemical Gujarat Pvt. Ltd., Surat	Technology of improving efficiency of combustion through addition of combustion monitoring chemical i.e. [Fuel Addition]

MOU signed with Industry

Sr. No.	Duration , Month, Year	Name of industry	Type/Title of Agreement
1.	23/06/2017	IIT, Bombay (MoA)	Project Related Activities under CoPT
2.	17/03/2017	M/s. Myelin Innovations Pvt. Ltd., Noida	Co-operative Research and development of the state of the Art Wind tunnel facility to study the fluid interaction on dynamic structures
3.	March 2013	M/s. Gurukrupa Machtech Pvt. Ltd., Morbi	Zero Effluent Discharge Biomass Gasification System
4.	04/08/2011	M/s ENPRO Enviro Tech and Engineers Pvt. Ltd., Surat	Development of Plasma Gasification Technology
5.	31/03/2007	M/s. Bhilosa Tex-N-Twist, Silvasa	Technical Advisor
6.	12-12-2005	-do-	L&T Build India Scholarship programme [Rs. 1.4 lacs per year package for 2 nd year M.tech students for dissertation & subject, job assurance]
7.	1-9-2005	M/s. Larson & Toubro Ltd., Hazira	To start a post graduate course I Mechanical Engineering with Specialization in “Industrial Process Equipment Design” sponsored by L&T[scholarship Rs. 6000]p.m.+ tuition fee+job assurance to selected GATE qualified students.
8.	22-8-2005	M/s. Alidhara Weavetech Pvt. Ltd., Udhna, Surat	Technical Collaborative work covering training CAD/CAM/CAE department establishment product development
9.	8-7-2004	M/s. Borasara Machine, Kim, [Himson]	Development of gas fired primary heaters for texturising machine
10.	14-6-2004	M/s. Texfeb Engg. India Pvt. Lt.d, Sachin Surat,	Development of gas fired jet during machine and gas fired immersion heaters

ANNEXURE – VIII

LIST OF EXPERIMENTAL SETUP

Sr. No.	Description	Laboratory	Duration/ Year
1.	Experimental Set-up for Flow Boiling Heat Transfer in Mini & Micro Channel	RGD Lab.	2017
2.	Development of Macrolevel Thermo gravimetric Analyser cum pyroliser for MSW	RGD Lab.	2013
3.	Test set-up for radial tipped centrifugal blower	RGD Lab.	2013
4.	Test set-up for dedicated CNG Engine	ICAE Lab.	2009
5.	Test set-up for Hydrogen Fuled Engine	ICAE Lab.	2009
6.	Test set-up for tubular combustion chamber as fuel	RGD Lab.	2009
7.	Test set-up for Exhaust Based Gas Turbine Drive, Air conditioning system	ICAE Lab.	2006
8.	Development of Hybrid Electric Vehicle	ASE Lab.	2002
9.	Development of Solar Assisted Electric Vehicle	ASE Lab.	2000
10.	Development of Concentrating Solar Collector, Solar Drier and Solar Cooker.	ASE Lab.	1999-2000
11.	Development of Natural Circulation Solar Water Heating System	ASE Lab.	1993-94
12.	Development of Forced Circulation Solar Water Heating System	ASE Lab.	1993-94
13.	Test Set-up for Carburettors	I.C. Engine	1993-94
14.	Development of Mechanised Gasifier	ASE Lab.	1993-94
15.	Test Set-up for Calibration of Thermistor, Platinum Resistance Thermometer & Thermocouple	Measurement Lab.	1992-93
16.	Development of an Experimental Research Collector	ASE Lab.	1991-92
17.	Test Set-up for Calibration of Torque Sensor	Measurement Lab.	1986-87
18.	Test Set-up for Performance Evaluation of Two Stroke S. I. Engine	I. C. Engine Lab.	1985-86
19.	Test Set-up for Calibration of LVDT	Measurement Lab.	1985-86
20.	Test Set-up for Calibration of Eccentric Orifice Meter	Measurement Lab.	1985-86
21.	Solar Water Heating System for Hostel	Hostel	1985-86
22.	Test Panel for Cooper Diesel Engine	I. C. Engine	1982-83
23.	Test Panel for Kirloskar Diesel Engine	I.C. Engine	1981-82
24.	Test Panel for Four Cylinder Fiat Engine	I. C. Engine	1981-82

LABORATORY DEVELOPMENT

Sr. No.	Name of Laboratory	Year
1.	Reacting Gas Dynamics and Turbomachines Lab.	2008
2.	Sophisticated Instrumentation Center	2005
3.	Alternate Sources of Energy	2000
4.	Center for Robotics	1998
5.	Modernisation of Engine Lab.	1992-93
6.	Mechanical Measurement Lab.	1983-86

ANNEXURE - IX**Details of R & D Projects:**

Sr. No.	Title of Project	Funding Agency Name	Sanctioned Date	Sanctioned Amount	Status Ongoing/ Completed
1.	Development of Hybrid Plasma Gasification Technology for MSW Management	CSIR	26/08/2019	60.00 Lacs	Ongoing
2.	Design, Development and Demonstration of an Aerodynamically Advanced Un-Manned Air Vehicle for Stealth and Heavy Payload Applications	PSA	22/01/2018	593.955 Lacs	Ongoing
3.	Combustor Technology Development for Small Gas Turbine / Turbo Fan Engine	DRDO	02/05/2017	174.22 Lacs	Ongoing
4.	Design and Analysis of a Mixed Flow Compressor	DRDO	02/05/2017	67.6856 Lacs	Ongoing
5.	Flame Propagation & Stabilization Studies in Gas Turbine Combustion Chambers using Hydrogen as Fuel	GUJCOST	2014-15	8.50 Lacs	Completed
6.	Analysis, Design and Experimental Investigations on Radial Inflow Micro Gas Turbine	GUJCOST	2013-14	5.00 Lacs	Completed
7.	Fabrication and Testing of Hybrid Vehicle	DST	2008-09	9.00 Lacs	Completed
8.	Modeling and Analysis of Series of Hybrid Drive Train	GUJCOST	2008 – 09	4.96 Lacs	Completed
9.	Design, Development and Experimental investigations on annular type combustion chamber for small gas turbine applications	MHRD	2004-05	20.00 Lacs	Completed
10.	Analytical and experimental investigations on multicylinder hydrogen fuelled engine	MHRD	2003-04	9.00 Lacs	Completed
11.	Education & training centre for alternate sources of energy. (Ph.-II)	MHRD	1998-00	9.00 Lacs	Completed
12.	Centre for Robotics & artificial intelligence	AICTE	1996-98	10.00 Lacs	Completed
13.	Development of solar powered electrical vehicles	SEERS	1995-98	2.50 Lacs	Completed
14.	Education & training centre for alternate sources of energy. (Ph.-I)	MHRD	1993-95	10.00 Lacs	Completed
15.	Development for Energy management system for process industry	MHRD	1991-94	3.00 Lacs	Completed
16.	Development of Heat Power Laboratory (Phase- I & II)	MHRD	1989-93	5.00 Lacs	Completed
17.	Engine Laboratory	MHRD	1989-93	26.0 Lacs	Completed

ANNEXURE – X

Conference /Short term Course / Workshop / Training Programme / Seminar Organized

Sr. No.	Module Description	Type Conf. / STTP / Seminar	Duration
1.	TEQIP-II Sponsored STTP on “Theory and Design of Pumps and Turbine”	STTP	20-25 February 2017
2.	QIP One Week STTP on “Advances in Theory and Design of Turbomachines”	STTP	7-12 November 2016
3.	One week self-financed training program on “Operation, Maintenance and Performance Evaluation of Gasifier” Jointly organized by SVNIT, Surat and M/s. Gurukrupa Machtech Pvt. Ltd., Morbi under TEQIP –II	STTP	21-25 December 2015
4.	One week Self-financed STTP on “Gas Turbine Engine Components – Theory & Design at SVNIT, Surat	STTP	23-27 March 2015
5.	Two Day Training Programme on “Erosion Testing” at SVNIT, Surat	Training	29-30 December 2014
6.	Three Day Conference on “Technology Conclave-III” at L&T Hazira	Conference	11-13 September 2014
7.	Two Day Workshop on Propulsion Technologies at IIT Bombay	Workshop	24-25 January 2014
8.	23 rd National Conference on I. C. Engines and Combustion	National Conference	13-16 December 2013
9.	Three Day Training Programme on Axstream Turbomachinery Software	Training Programme	23-25 March 2013
10.	One week course on Fundamentals of Thermal Design of WHR, HRSG and Convection Zone Modules at L&T Powai	STTP	21-25 June 2010
11.	Industry Institute Interaction with L&T Hazira	Seminar	02/02/08
12.	Lecture Series on “Generalized law mass momentum and energy conservation under TEQIP	Seminar	6-8 Feb. 2008
13.	Management Capacity Development Programme under TEQIP	Seminar	28 Jan to 1 st Feb. 2008
14.	Seminar on Present and Future Hybrid Electric Vehicles at 5 th Foundation day celebration of SAE SVNIT Collegiate Chapter	Seminar	21 st April 2008
15.	Seminar on Present and Future Hybrid Electric Vehicles at 5 th Foundation day celebration of SAE-SVNIT Collegiate Chapter	Seminar	21/04/2008
16.	AUTOFEST-08 Three Day SAE-SVNIT Collegiate Chapter Event	Workshop	10-12 Oct. 08
17.	One week Winter School on “Recent Trends in Composite Materials” sponsored by TEQIP	STTP	15-19 Jan. 2007

18.	One day Seminar on “Future Energy Alternatives for vehicles” as a part of foundation day celebrations of SAE SVNIT Collegiate chapter	Seminar	21 April 2007
19.	One week course on Fundamentals of Thermal Design of WHR, HRSG & Convection Zone Modules at L&T Powai	STTP	25-30 June 2007
20.	One week STTP on Recent Trends in Composite Materials 2007	STTP	15-19 Jan 2007
21.	A Course on ‘Boiler’ collaboration with M/s. Tata Chemicals, Mithapur, Gujarat	Workshop	17-18 th January -2006
22.	Two days workshop on Three dimensional modeling for CAD application under Networking of TEQIP	Workshop	6-7 Feb. 2006
23.	A National Workshop on ‘Different Aspects of Electron Microscopy’	Workshop	29-31 March 2006
24.	International Workshop on Advanced Analytical Techniques for Material Characterization	Workshop	8-10 June 2006
25.	One day workshop on Efficient Operation and Maintenance of Steam Generating System	Workshop	7/7/2006
26.	One day workshop on Efficient and safe operation of steam Generating system	Workshop	5/8/2006
27.	AUTOFEST- 2006SAE-SVNIT, Collegiate Chapter	Workshop	14-16 Oct. 2006
28.	One day Workshop on vehicle design SAE – India & SVNIT	Workshop	23/12/06
29.	A Specialized Workshop on Measurement Techniques in Turbomachines	Workshop	23-25 th June 2005
30.	National Seminar on Modernization of Textile Industry	Seminar	June 1992
31.	National Seminar on Alternate Source of Energy	Seminar	July 1987

ANNEXURE – XI

Conference /Short term Course / Workshop / Training Programme / Seminar Attended

Sr. No.	Name of Programme	Venue	Duration
ABROAD			
1	ASME-JSME-KSME-2019 Joint Fluids Engineering Conference, AJK FLUIDS 2019	San Francisco, CA, USA	July 28 – August 1, 2019
2	Asian Congress on Gas Turbine	AIINA, Morioka, Japan,	22-24 Aug. 2018
3	International Conference on “Aerospace Technology, Communications and Energy Systems (ATCES 2017)”	Samara University, Russia	28-30 September 2017
4	“SAE World Congress Experience – WCX-17”, SAE International Conference	Detroit-USA	4-6 April 2017
5	1 st International Conference on “Energy Environment and Economics (ICEEE-2016)”	Weentech & Hariot-Watt University, Edinburgh, UK	16-18 August 2016
6	3 rd Southern African Solar Energy Conference (SASEC-2015)	Pretoria University, South Africa	11-13 May 2015
7	ASME 2014 4 th Joint US-European Fluid Engineering Division Summer Meeting and 12 th International Conference on “Nano Channels, Micro Channels and Mini Channels”	Chicago, USA	3-7 August 2014
8	International Conference on “Mechanical, Automobile and Aerospace Engineering- 2013” (ICMAAE-13)	Kulliyah of Engineering, International Islamic University, Malaysia	2-4 July 2013
9	9 th Asia Pacific Conference on “Combustion”	Pohang University under the auspices of combustion society of Korea Gyeongju, South Korea	19-22 May 2013
10	ASME Turbo Expo-2011	Vancouver, Canada	6-10 June 2011
11	10 th ASME International Congress on “Fluid Dynamics”	Cairo, Egypt	16-19 Dec. 2010
12	2006 ASME International Mechanical Congress and Exposition IMECE 2006	Chicago, USA	5-10 Nov. 2006
INDIA			
1	25 th National Conference on I. C. Engines and Combustion	NIT-K, Surathkal	15-17 December 2017

Sr. No.	Name of Programme	Venue	Duration
2	National Conference on “Progress, Research and Innovation in Mechanical Engineering – PRIME-17”	SCET, Surat	25-26 March 2017
3	International Conference on “Universities of the Future: Knowledge, Innovation and Responsibility”	O.P. Jindal Global University, Haryana	18-20 March 2017
4	6 th National and 2 nd International Conference on “Emerging Trends in Mechanical Engineering”	G. H. Patel College of Engg. & Tech. V. V. Nagar	24-25 February 2017
5	International Seminar on “India’s leap to methanol economy- opportunities & options for energy Security	NITI Aayog, Delhi	6-7 September 2016
6	Asian Congress on Gas Turbines – 2016 ACGT 2016	IIT Bombay	14-16 November 2016
7	One Day Workshop on “Outcome based Education (OBE)”	SVNIT, Surat	24/02/2016
8	7 th Annual International Summit and Expo Energy Foundation	Hotel Taj Vivanta	11-12 Feb. 2016
9	24 th National Conference on “I. C. Engines and Combustions”	UPES, Dehradun	30 Oct. to 1 st Nov. 2015
10	International Symposium on “Advances in Mechanical Engineering and Technology for Industry”	North Eastern Regional Institute of Science & Technology (NERIST), Arunachal Pradesh	6-8 Dec. 2014
11	“Technology Conclave – III”	L&T Hazira	11-13 Sept. 2014
12	2 nd National Conference on “Thermal, Fluid and Manufacturing Science” (TFMS-2014)	CKPCET, Surat	24-25 Jan. 2014
13	23 rd National Conference on “I.C. Engines and Combustions”	SVNIT, Surat	13-16 Dec. 2013
14	One Day “Environmental Clinic on Guidelines for Gasifiers in Ceramic Industries”	GPCB Board, Morbi	11/10/2013
15	Chief Guest for 8 th Science – Maths Yagna-2012	L. P. Savani International School, Surat	2012
16	7 th National Convention on “Industry Specific Engineering Education for Better Employability of Engineers – Contours of Reform”	Engineering Council of India and ITM Universe, Baroda	28/01/2012

Sr. No.	Name of Programme	Venue	Duration
17	Steam Tech – 5 th National Conference on “Boiler & Steam Systems”	SAKET & Ahmedabad Mgmt. Association, Ahmedabad	20-21 Jan. 2012
18	1 st National Conference on “Thermal And Fluid and Manufacturing Sciences”	CKPCET, Surat	20-21 Jan 2012
19	XXIII National Conference on “I. C. Engine and Combustion”	NIT Calicut	10-13 Dec. 2011
20	International Conference on “Indian Power Stations – O&M Meet”	NTPC, New Delhi	13-15 Feb. 2009
21	Engineer’s Meet	L&T Hazira	16-17 April 2007
22	Chief Guest at Natural Gas Based Jet Dyeing Application Launch	Gujarat Gas Co. Ltd., Surat	19/09/2007
23	Visit for “FIST” Presentation	DST Delhi	14/09/2007
24	Guest of Honour	Urja Utsav 2007 Palitana	24/02/2007
25	Inaugural Function for SAE Collegiate Chapter	SAE- MGITER, Navsari	13/02/2007
26	Inaugural Function for SAE Collegiate Chapter	SVMIT, Bharuch	05/02/2007
27	Inaugural Function for SAE Collegiate Chapter	ADIT, New V. V. Nagar	03/02/2007
28	“Baja SAE India Workshop”	College of Engineering, Delhi	18/12/2006
29	Symposium on “Boiler Corrosion and Failure Analysis”	The Indian Institute of Metals Baroda	03/09/2006
30	One Day Workshop on “Guide lines on Institutional Reforms”	MNIT, Jaipur	10/02/2006
31	One Day Seminar on “CAD”	Autodesk India (M/s. Roshni Computers), Vadodara	31/01/2006
32	Two Day Seminar on “Combustion Modeling for Industrial Application”	M.S. Ramaiah School of Advanced Studies, Bangalore	6-7 Jan. 2006
33	Two Week Advanced Study Institute on Advances in Heat Transfer Equipment Design	National Chemical Laboratory, Pune	June 1985
34	One week Advanced Course on Composites	IIT Madras	1993

ANNEXURE – XII

Plenary / Keynote / Expert Lectures Delivered:

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
1.	Hybrid & Fuel Cell Powered Vehicle	STTP on Recent Trends in IC Engine, Govt. Engg. College, Bharuch	03/06/2019
2.	Hybrid Electric Vehicles – Form Concept to Design	STTP on Recent Trends in Automobiles, ADIT, Anand	04/02/2019
3.	Energy Efficient and Eco-Friendly Thermal Power Plants	Essar Steel Ltd., Surat	14/09/2018
4.	Advanced Low NOx Combustors for Small Gas Turbine Engine	1 st International Conference on Engineering & Technology: Smart Engineering at Parul University	16/02/2018
5.	A 10 TPD Plasma Gasifier for Hazardous Waste Management	Fifth Task Force meeting on “Production of Methanol using Biomass/ MSW / Sources other than Coal” organized by Govt. of India, Niti Aayog at NCL, Pune	8-9 Feb. 2018
6.	Research Methodology – A Real Life Approach	STTP on “Tools for Life Long Research” at SVNIT, Surat	29/01/2018
7.	Small & Micro Scale Low NOx Combustors	25 th NCICEC – 2017 at NIT Surathkal	16/12/2017
8.	Uncertainty Analysis – A Practical Approach	SVMIT, Bharuch	13/11/2017
9.	Research Methodology – A Real Life Approach	SVMIT, Bharuch	13/11/2017
10.	A new Era of Thermal Power Plants	College of Engineering, Pune	06/11/2017
11.	Small and Microscale Combustors	Dr. V. K. Saraswat Endowment Lecture at NIT-K, Surathkal	15/10/2017
12.	Small Scale Combustors	International Conference on Aerospace Technology, Communications and Energy Systems, organized by Samara University, Russia	29/09/2017
13.	Advances in Thermal Power Plant Technologies	K. J. Institute of Engineering and Technology, Baroda	13/09/2017
14.	Our Experience on Design, Development and Performance Evaluation of Small Scale Combustors	University of Southern California, Los Angeles, USA	11/04/2017
15.	Next Generation Thermal Power Plant	National Conference on PRIME-2017, SCET, Surat	25/03/2017
16.	Science and Technology Education – Nurturing An Interdisciplinary Research Eco-System	Int. Conf. organized by O.P. Jindal Global University, Haryana	19/03/2017
17.	Modern Trends in Thermal Power Plants with Gasification as Sustainable Green Solution	6 th National & 2 nd International Conf. on Emerging Trends in Mech. Engg. at G. H. Patel College, V. V. Nagar	24/02/2017

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
18.	Theory and Design of Propeller Turbine	TEQIP-II Sponsored STTP on Theory and Design of Pumps and Turbine organized by SVNIT, Surat	21/02/2017
19.	Theory and Design of Francis Turbine	TEQIP-II Sponsored STTP on Theory and Design of Pumps and Turbine organized by SVNIT, Surat	21/02/2017
20.	Theory and Design of Pelton Wheels – I&II	TEQIP-II Sponsored STTP on Theory and Design of Pumps and Turbine organized by SVNIT, Surat	20/02/2017
21.	Current Energy & Emissions Scenario and New Technological Frontiers	National Energy Conservation Day 2016, Reliance Industries, Surat	06/01/2017
22.	Uncertainty Analysis	QIP STTP on Fundamentals and Advances in Multi Phase Flow organized by SVNIT, Surat	20/12/2016
23.	Conventional and Advanced measurement and flow visualization techniques	QIP STTP on Fundamentals and Advances in Multi Phase Flow organized by SVNIT, Surat	20/12/2016
24.	Research and Innovation – The Way of Life	TEQIP-II Sponsored STTP on Life Long Researcher organized by SVNIT, Surat	19/12/2016
25.	High Performance Materials for Gas Turbine Blades and its Failure Analysis	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
26.	Tutorials on Turbomachines	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
27.	Tutorials on Combustor Design	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
28.	Tutorials on Fuels and Combustion	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
29.	Fundamentals of Jet and Turbo-Fan Engines	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
30.	Fundamentals of Gas Turbine Engine	QIP STTP on Advances in Theory and Design of Turbomachines organized by SVNIT, Surat	07/11/2016 to 12/11/2016
31.	Design and Comfort Aspects of Hybrid Electric Vehicle (2 hr. session)	STTP on Advance Automobile Techniques organized by Bhagwan Mahavir Education Foundation, Surat	24/10/2016
32.	Energy Management in Boilers (2 sessions)	STTP on Fundamentals of Energy Management and Applications, SVNIT, Surat	10/10/2016
33.	Understanding Welding and its Simulation	Two Days workshop on Computer Aided Thermal Fluid System Analysis, CGPIT, Bardoli	03/10/2016

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
34.	Preliminary Design & Ride Comfort Analysis of Hybrid Vehicle	ASME Student had Design Competition / Conference, B. H. Gardi College of Engg. & Tech, Rajkot	23/09/2016
35.	Zero Effluent Discharge Coal Gasification System – A Green Energy Technology	L&T, Hazira, Surat	09/09/2016
36.	Advances in Gasification Technology	1 st National Conference on Thermal Fluid Science and Tribology Applications, SVNIT, Surat	27-28 May 2016
37.	Advanced Fuel Additives – A Preferred tool to monitor the Combustion in Solid Fuel Final Boiler to reduce the emission, improve the overall efficiency and enhance the residual life	24 th National Conference on I. C. Engines and Combustion organized by University of Petroleum & Energy Studies, Dehradun	30/10/2016 to 01/11/2015
38.	Zero Effluent Discharge Coal Gasification System – A Green Energy Technology	7 th Annual International Summit and Expo Gasification India – 2016	11/02/2016
39.	Overview of Alternative Energy Technologies	CGPIT, Bardoli	18/01/2016
40.	Performance Evaluation of Gasifier	STTP on OMPEG – 2015 Morbi	25/12/2015
41.	Operation and Maintenance of Gasifier	STTP on OMPEG – 2015 Morbi	22/12/2015
42.	GPCB Compliance	STTP on OMPEG – 2015 Morbi	22/12/2015
43.	Zero-Effluent Discharge Gasifier	STTP on OMPEG – 2015 Morbi	22/12/2015
44.	Types of Gasifiers	STTP on OMPEG – 2015 Morbi	21/12/2015
45.	Fundamentals of Gasification	STTP on OMPEG – 2015 Morbi	21/12/2015
46.	Plenary lecture on Advanced Fuel Additives – A prepared tool to monitor the combustion in Solid Fuel fired boiler to reduce the emission, improve the overall efficiency and enhance the residual life	24 th NCICEC 2016, IIP Dehradun	30 Oct to 1 Nov. 2015
47.	Failure Analysis of Gas Turbine Blades	STTP on GTEC – 2015 SVNIT, Surat	27/03/2015
48.	Thermodynamic Modelling of Combustion	STTP on GTEC – 2015 SVNIT, Surat	24/03/2015
49.	Enthalpy of Formation and Exact Determination of Adiabatic Flame Temperature	STTP on GTEC – 2015 SVNIT, Surat	24/03/2015
50.	Stoichiometry of Combustion	STTP on GTEC – 2015 SVNIT, Surat	24/03/2015
51.	Jet Propulsion	STTP on GTEC – 2015 SVNIT, Surat	23/03/2015
52.	Gas Turbine Cycle Analysis	STTP on GTEC – 2015 SVNIT, Surat	23/03/2015
53.	Renewable Energy	L&T, Powai	19/02/2015
54.	Research Methodology	R. C. Patel Institute of Tech. Shirpur	21/01/2015
55.	Hybrid Electric Vehicles – Concepts and Design	R. C. Patel Institute of Tech. Shirpur	21/01/2015
56.	Zero Effluent Discharge Biomass Gasification System- A Green Technology	L&T, Hazira	11/09/2014
57.	Glimpses of R&D Activities in Field of Fuels, Combustion, Propulsion and Gasification at SVNIT, Surat	Princeton University, USA	July 2014
58.	Glimpses of R&D Activities in Field of Fuels, Combustion, Propulsion and Gasification at SVNIT, Surat	University of Southern California, Los Angeles, USA	July 2014

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
59.	Heat Transfer During Boiling & Condensation	MED SVNIT, Surat	23-27 June 2014
60.	Fundamental Considerations in Evolution of EV/HEV	EED, SVNIT, Surat	26/05/2014
61.	Analysis, Design, Development and Experimental Studies on Radial Flow Machines	DRDO, Bangalore	09/05/2014
62.	Fundamentals of Computational Fluid Dynamics	L&T, Vadodara	05/05/2014
63.	Proposed Propulsion Facilities to be established at SVNIT, Surat	IIT, Bombay	25/01/2014
64.	Plenary Lecture on Hybrid Vehicle– A promising Future Alternative	TFMS-2014, Surat	24/01/2014
65.	Thematic Lecture on “Zero Effluent Discharge Biomass Gasification System – A Green Energy Technology”	23 rd NCICEC 2013, SVNIT, Surat	15/12/2013
66.	Design of Experiments	SVNIT, Surat	22/11/2013
67.	Environment Friendly Zero Effluent Discharge Gasification System	Morbi	11/10/2013
68.	The Hybrid Electric Vehicle – The Future Transport vehicles	Essar Steel Surat	19/09/2013
69.	Zero Discharge Gasification System	GPCB Gandhinagar	16/07/2013
70.	Keynote lecture on Hybrid Elective Vehicles – The Present and the Future	ICETME 2012 GCET V. V. Nagar	04/01/2013
71.	Engineering Education and Institutions in India – A Perspective view	ITM universe campus, Vadodara	28/01/2012
72.	Understanding Ash Behaviour and Catalytic Combustion with fuel Additives for Energy Conservation	5 th National Conference on Boilers and Steam Systems Ahmedabad	21/01/2012
73.	Keynote lecture on Micro Gas Turbine Combustion Chambers : Numerical and Experimental Studies	TFMS 2012 CKPCET Surat	20/01/2012
74.	Stoichiometry of Combustion and Calculation of Boiler Efficiency	Nirma University Institute of Technology, Ahmedabad	24 th Mar. 2010
75.	Energy Audit – Concept and Application	MED, Thapar University, Patiala	22 nd Mar. 2010
76.	Welding Simulation using Finite Element Method (FEM)	MED, SVNIT, Surat	22 nd Jan. 2010
77.	Knowledge Sharing through Consultancy	MED, SVNIT, Surat	7 th Jan. 2010
78.	Modeling in the Process of Welding	Department of Mathematics, SVNIT, Surat	25 th Dec. 2009
79.	Energy Audit – Concept and Application	MED, SVNIT, Surat	23 rd Dec. 2009
80.	Recent Trends in Consulting	ED Cell, SVNIT, Surat	21 st Dec. 2009
81.	Scientific Approach to Failure Analysis – A Case Study	Department of Applied Physics, SVNIT, Surat	9 th Dec, 2009
82.	Stoichiometry of Combustion and Estimation of Boiler Efficiency	NUCONE, Nirma University Institute of Technology, Ahmedabad	26 th Nov, 2009

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
83.	Efficient Cogeneration	Trident, Bazrala, Punjab	5 th Oct, 2009
84.	Uncertainty Analysis	MED, SVNIT, Surat	23 rd Jan, 2009
85.	Design of Experiments	MED, SVNIT, Surat	23 rd Jan, 2009
86.	Basics of Wind Energy and Wind Machines	Civil Deptt., SVNIT, Surat	19 th Jan, 2009
87.	Failure Analysis of Turbine Blades	NTPC, Kawas, Surat	12 th Jan, 2009
88.	Fuel Cell Technology	ASH Deptt., SVNIT, Surat	1 st Jan, 2009
89.	Welding Simulation	SVNIT, Surat	1 st Jan, 2009
90.	Analytical, Numerical and Experimental Analysis of Fracture Parameters	MED, SVNIT, Surat	31 st Dec, 2008
91.	Understanding Navier – Stokes Equations	Nirma University Institute of Technology, Ahmedabad	28 th Nov, 2008
92.	Boiling and Condensation Heat Transfer	Parul Institute of Engg. & Technology, Limda, Vadodara	18 th Nov, 2008
93.	Simulation of Hydrogen Fuelled Engine Using Discrete Approach with Special Reference to Engine Tribology	SVNIT, Surat	27 th July, 2008
94.	Understanding Ash Behaviour and Catalytic Combustion with Special Reference to Energy Conservation	SVNIT, Surat	10 th July, 2008
95.	Development of Code for Thermal Analysis of Welding using FDM	SVNIT, Surat	10 th July, 2008
96.	Stoichiometry of Combustion and Boiler Efficiency Calculations	SVNIT, Surat	9 th July, 2008
97.	Energy Audit – A need of Today	SVNIT, Surat	8 th July, 2008
98.	Fundamentals of Combustion and ASH Reactions	GNFC, Bharuch	15 th April, 2008
99.	Combustion Monitoring Chemicals	Gujarat Chamber of Commerce, Ahmedabad	6 th Dec, 2007
100.	Future energy alternative for vehicles	SAE Foundation day celebration, MED, SVNIT, Surat	21 st April, 2007
101.	Solar energy technology, present and future	Laljiibhai Chatubhai institute of technology , Mehsana	21 st Mar, 2007
102.	Energy & environmental – A search for better tomorrow	SVNIT Surat	16 th Mar, 2007
103.	Future challenges and technological options with special reference to automobile engineering	Mahatma Gandhi institute of technical education & research, Navsari	13 th Feb. 2007
104.	“Evaluation of interphase-A case study of long jute fiber composite ”	MED, SVNIT, Surat	17 th Jan. 2007
105.	Combustion modeling and numerical simulation of combustion chamber	AS&H Dept., SVNIT Surat	27 th Dec. 2006
106.	3 dimensional mathematical modeling in Fluid flow at STTP on ‘Application orientation in Engineering Mathematical modeling ’	AS&H Dept, SVNIT Surat	27 th Dec. 2006
107.	Solar assisted electric vehicles – A near Future solution for surface transport, at	Nirma Institute of Technology , Ahmedabad	20 th Dec. 2006

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
	STTP on Advances in Solar Energy Technology		
108.	Unified correlation for estimating HHV of solid, liquid and gaseous fuels	University of Illinois Chicago , USA	11 th Nov. 2006
109.	Understanding Ash with special reference to power boiler	Vanakbori Thermal Power Station, GEB,	13 th Oct. 2006
110.	Prediction of ash behavior in boiler at symposium on 'Boiler Corrosion Failure Analysis '	Indian Institute of Metals, Baroda	3 rd Sept. 2006
111.	Estimation of HHV of fuel from ultimate analysis	SVNIT, Surat	10 th June 2006
112.	Estimation of HHV of Solid fuel from proximate analysis at three day international workshop on "Advanced Analytical techniques for material characteristics ",	SVNIT, Surat	9 th June 2006
113.	Combustion modeling	CFD Workshop, MED SVNIT Surat	12 th May 2006
114.	Essential of Fluid mechanics at three days workshop on 'Introduction to Fluid Dynamics '	MED, SVNIT Surat	10 th May 2006
115.	Energy Audit of A textile Unit –A case Study	SCET Surat	28 th Dec. 2005
116.	Concepts of Ph.D	ISTE Surat Chapter SVNIT	3 rd Dec. 2005
117.	Combustion and fuel additive	Ankleshwar GIDC	23 rd July 2005
118.	Concept of I.C. Engines	T&P, SVNIT, Surat	12 th May 2005
119.	Concept of Gasification	SCET, Surat	10 th May 2005
120.	Solar Energy Technology for Electricity Generation at AICTE-ISTE STTP on 'Future Energy Mix & Issues in Interconnection with Grid'	SCET, Surat	9 th May 2005
121.	A workshop on Boiler & Boiler Efficiency Calculation	SVNIT, Surat	29 th April 2005
122.	Syllabus up gradation in Turbo machines – collaborative research work	National Aerospace Laboratory, Bangalore	15 th April 2005
123.	Collaborative Research work	National Aerospace Laboratory, Bangalore	11 th Feb. 2005
124.	Fundamentals of combustion & combustion monitoring chemical	Jubliant Organsosys Ltd., Pune	1 st Jan 2005
125.	Concepts of Energy Audit	NTPC, Hazira	Dec. 2004
126.	Unburnt reduction through catalytic combustion	Super Thermal Power Plant, Panipat	Oct. 2004
127.	Alkaline Cleaning	KRIBHCO, Surat	Jan. 2004
128.	Stoichmetry of Combustion and Calculation of Efficiency of CFBC Boiler with Lime Stone Addition	GIPCL , Mangrol	April-2003
129.	Reducing the SPM level to Save Energy and Environment	Indraprashtha Power Generation Co. Ltd., Rajghat, New Delhi.	18 th Oct. 2002
130.	Fuel Additives	Cadbury India Ltd., Pune	12 th Oct. 2002

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
131.	Ash problems and evaluation of boiler efficiency in lignite fired power boiler	GEB, KLTPS, Panandhro	Feb. 2002
132.	Chemical Cleaning of Boiler	KRIBHCO, Hazira	2001 – 2002
133.	Fundamentals of Combustion and Combustion Monitoring Chemical	Isaac Thompson, New Delhi	2000 – 2001
134.	Evaluation of boiler efficiency	Indian Rayon, Veraval	2000 – 2001
135.	Advance in Solar Energy Technology	TV Channel, Gandhinagar	2001
136.	Improving thermal efficiency of power boiler through use of Solid fuel additives	GEB, Vadodara	1999 – 2000
137.	Reducing stack emission & improving thermal efficiency of power boiler through use of solid fuel additives	Panandhro Thermal Power Station, Panandhro	1999 – 2000
138.	Concepts of energy audit, seminar on Energy Auditing & Conservation & Prevention of pilferage	Elect. Engg. Deptt., SVRCET, Surat	1999 – 2000
139.	Combustion Monitoring Chemicals	NTPC, New Delhi	1999 – 2000
140.	Energy Conservation through use of Fuel Additives	NTPC, New Delhi	1999 – 2000
141.	Design of Thermic Fluid Heaters, Industrial Course on Heat Transfer	SVRCET, Surat	1997 – 98
142.	Solar Energy and its Utilization	ONGC, Hazira	1996 – 97
143.	Saur Urja	All India Radio, Surat.	1997
144.	Vehicular emission – Their origin & control-concept of alternative drive systems & fuels for future road transport traffic	Summer School on traffic, SVRCET, Surat	1995 – 96
145.	Simple Thermodynamic Model for Estimation of combustion generated pollutants	Winter school on ‘Air pollution issues and control measures in urban areas’, SVRCET, Surat	1995 – 96
146.	Basics of Heat Transfer “FEM for Mechanical Engg.”	ISTE Summer School, SVRCET, Surat.	June 1993
147.	Role of Gasification in Energy Conservation,	At Energy Conservation Week, ONGC, Hazira, Surat	8 th May 1993
148.	Producer Gas as I. C. Engine Fuel – A Case Study for India, National Seminar on “Alternate Fuels and Emission Control”	B. V. B. College of Engg. & Tech., Hubli	8 th May 1993
149.	Analysis of Solar Flat Plate Collector, “FEM for Mechanical Engg.”	ISTE Summer School, SVRCET, Surat	7 – 19 th June 1993
150.	Effect of Alfloc – 82 Fire side Chemical on Performance & Anti-Fouling / Slagging characteristics of Boiler, Nalco-Alfloc Seminar for Sugar Industries on “Boiler Water Treatment and Process Chemical”.	Daman	22 nd Sept. 1993
151.	Feasibility of Bagasse Gasification in Sugar Industry, Nalco-Alfloc Seminar for Sugar Industries on “Boiler Water Treatment and Process Chemical”.	Daman	22 nd Sept. 1993

Sr. No.	Title of Paper / Lecture Delivered	Forum	Year
152.	Gasification – An Alternate Route to Energy Conservation, National Seminar on “Energy Conservation”.	Surat Chamber of Commerce	11 th Sept. 1992
153.	On Biomass Gasification Process and Technology, Development – Some Analytical & Exp. Investigation”, Sponsored Lectures on “Emerging Tech.”	ISTE Surat, Local Chapter	21 st Aug. 1992