

# Curriculum Vitae

**Dr. Nalin. N. Jani**

**Off: Director SKPIMCS-KSV**

Kadi Sarva Vishwavidyalaya, Sector:-15 (KH-5 Circle)  
Gandhinagar – 382023.

**Resi :** Staff Quarter, A2, LDRP Institute Of Technology & Research

Kadi Sarva Vishwavidyalaya, Sector:-15 (Kh-5 Corner)

Gandhinagar – 382016.

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**Date of Birth :** June 15, 1953

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## Academic Qualification:

Particular	Board/University	Title/ Stream/Subjects	Degree/Percentage	Year of Passing
Ph. D.	Saurashtra University, Gujarat	Science - Physics, Title – “Investigation and Computational Analysis of Structural Magnetics and Electrical Properties of Oxides”	Degree Awarded	1997
M. Sc.	Saurashtra University, Gujarat	Physics - Nuclear	61.42 %	1974
B.Sc.	Rachi University, Bihar	Physics, Chemistry, Mathematics	47.67%	1971
Higher Secondary	West Bengal Board of Secondary Education, Calcutta	Hindi, English, Physics, Chemistry, Mathematics	50.3%	1968

## Professional Qualification:

- DCA - TTP : Technical Teachers Training Institute
  - 4 DOE Modules:
    - Module 1: Computer Programming and Programming Methodology, 12.11.1984 to 5.12.1984 Bhopal
    - Module 2: Computer Organisation & Microprocessor, 04.01.1988 to 12.02.1988, Chennai
    - Module 3: Computer Oriented Mathematics Methods, 21.04.1986 to 22.05.1986, Bhopal.
    - Module 4: Data Processing Techniques, 06.11.1985 to 13.12.1985, Bhopal
- MCA – TTP : Department of Electronics Module, 07.01.1991 to 06.02.1991 Department of Mathematics, Indian Institute of Technology, Kharagpur.

## Abroad Visit

University of Cincinnati, Ohio, USA for International Training and use of Experimental Facilities in the laboratory to investigate magnetic and Superconducting materials, July 1995 as a part of research work leading to Ph. D. Degree.

### Current Status

Mentor, Institute Industry Interaction Cell, Kadi Sarva Vishwavidyalaya, Gandhinagar (KSV- IIC) from September 01, 2015 till date.

### Work Experience

- August 1974 - till date : **41** years (total)
- University System Management, Research & Academic : 27 years : Saurashtra University, Rajkot (1988 - 2008) and Kadi Sarva Vishwavidyalaya, Gandhinagar (7 years) Sept. 5, 2008 to August 31, 2015.
- Administrative Academic and Technical : 12.7 years : System Administrator at Technical Exam Board, Govt. of Gujarat.(2 years), Lecturer at AVPTI, Govt. of Gujarat.(10.7 years), 1976 - 1988.
- Inspector of Customs : 1 year : Dept. of Customs and Central Excise, Govt. of India., 1975.
- Demonstrator/Tutor : 3 months : Lukdhirji College of Engg. Morbi., 1974.

Designation	Organization	From	To	Pay Scale
Mentor – Industry Institute Interaction Cell(Contractual)	Kadi Sarva Vishwavidyalaya, Gandhinagar	Sept 1, 2015	July 31, 2016	contractual
Director & Dean CS	SKPIMCS-MCA & KSV, Gandhinagar	Sept 5, 2008	August 31, 2015	18400-500-22400
Professor & Head	Department of Computer Science, Saurashtra University, Rajkot	Sept 1, 2003	Sept 4, 2008	16400-450-20900-500-22400 (2003) 37400-67000 (2008))
Associate Professor (Reader) & Head	Dep. of CS, Saurashtra University, Rajkot	Sept 1, 1995	August 31, 2003	3700-5700
Systems Manager	Computer Center Saurashtra University	November 25, 1988	August 31, 1995	3700-5700
Programmer	AVPTI, Rajkot, Directorate of Technical Education, Gujarat State	January 1, 1986	November 24, 1988	2200-4000
		May 26, 1984	December 31, 1985	700-1400
	Tech. Exam Board, Gandhinagar	January 17, 1983	May 25, 1984	700-1400
		November 18, 1982	January 16, 1983	550-900

Asst. Lecturer	AVPTI, Directorate of Technical Education Gujarat State.	January 9, 1976	November 17, 1982	550-900
Inspector	Customs, Bhuj, Gujarat	January 13, 1975	January 6, 1976	425-700

### **Award & achievements**

- **Certificate of Special Recognition of Commitment for the advancement of Green Field Knowledge Center's mission and Contribution in establishing strong relation between Kadi Sarva Vishwavidyalaya and Green Field Knowledge Center, Gandhinagar**
- **Certificate of Appreciation for Contribution in realization of " Human Resource Project" between Kadi Sarva Vishwavidyalaya and Green Field by Green Field, Gandhinagar**
- **Certificate of Appreciation for Contribution in realization of " Smart Kit for Green Cloud & Smart Concept Database Structure Project" between Kadi Sarva Vishwavidyalaya and Green Cloud Isoft Pvt. Ltd. by Green Cloud Isoft Pvt. Ltd., Gandhinagar**
- **Certificate of Appreciation for Contribution in realization of " Embedded and IOT based Sensor Technology Project" between Kadi Sarva Vishwavidyalaya and Reve Automation by Reve Automation LLP, Gandhinagar.**
- **Appreciation for "Outstanding Contribution rendered to spread Free and Open Source Software in the State of Maharashtra under Spoken Tutorial Project of National Mission on Education through ICT, MHRD, Govt. of India by IIT- Bombay.**
- **"Significant Contribution Award", Computer Society of India, for 2008-2009.**
- **Appreciation Letter for writing book on MEMS by Late Shri. Dr. A P J Abdul Kalam, former President of India, January 24, 2006**

### **Research Contribution as Guide/Supervisor**

- **Research Guide : since 17 years (Total) : Ph.D. , M. Phil. (CS), Research Projects, Journal**
- **Ph. D.**
  - **Produced till date in Computer Science : 34 - Saurashtra University, Rajkot -19, Hemchandracharya North Gujarat University, Patan - 9, Kadi Sarva Vishwavidyalaya - 5, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat - 1**
  - **Guiding : 4 : Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat - 1, Saurashtra University, Rajkot -1, Hemchandracharya North Gujarat University, Patan - 2**
- **M. Phil. (Computer Science)**
  - **Produced till date in Computer Science: 6 - Kadi Sarva Vishwavidyalaya - 6**
  - **Guiding : 3 - Kadi Sarva Vishwavidyalaya - 3**
- **Journal Editor : 2 : Research Journals : KSV-JSTR, IJ-ETA-ETS**

## Publications

- Research Papers Published: 113
- Books Published: 17
- Articles Published in Magazines: 10

[ Appendix A ]

[ Appendix B ]

## Research Projects

Produced till date : 1 - GUJCOST -1

Guiding : 2- Kadi Sarva Vishwavidyalaya - 2

## Membership of Professional Bodies

- |  |                                |                  |
|--|--------------------------------|------------------|
| • Indian Society for Technical Education | - LM : 33837                   | Life membership  |
| • Photonics Society of India             | - Life Membership Number : 041 | Life membership. |
| • Computer Society of India              | - Membership No. : 27780       | Life membership. |

## Research Contribution Areas

- High Performance computing – Cluster server
- High Performance Networking & Mobile Communication
- Biometric Technologies – Speed & Image Processing security systems
- Embedded System
- Big Database – Web Databases, Data warehouse, Data Mining & Data Analytics
- Multimedia Applications Development
- Geo informatics (GIS + GPS +Remote sensing) Application e-Governance Application – Citizen Centric IT enabled value added services
- Web based e-Commerce Applications
- Bio-informatics and Chemi-informatics
- Ferrites Materials - Micro & Nano

## Academic Performance Index

API : 1033 [ Appendix C ]

## **Assessment and Accreditation (NAAC) Contribution**

- National Assessment and accreditation Council (NACC) Bangalore-Worked as peer Team Member to assess and accredit the following institution/Universities :
  - Cummins's College of Engineering and Technology – Pune
  - P.V.G. college of Engg. And Techonlogy- Pune
  - Thapar Institute of Eng. & Deemed University, Patiala
  - Arts & Commerce College, Powai, Mumbai.
  - Arts & Commerce College, Nr.Jindal Steel Factory, Mumbai.
  - Arts & Commerce College, Nr.Nagpur Maharastra
  - Science College, Nr. Nagpur, Maharastra.
- Active Member of IQAC, Saurashtra University, Rajkot for NAAC reaccreditations upto 2008.
- SU-IQAC Steering Committee Member for NACC initiatives.
  - Motivated and guided 41 affiliated colleges under Saurashtra University initiatives and submitted SSRs to NAAC 15<sup>th</sup> Jan 07.
  - Guided 31 affiliated colleges under Saurashtra University for compilation of SSRs to be submitted to NAAC during April 2007-2008.

## **University Apex Body Contribution**

- Member of BOG (Syndicate) of Kadi Sarva Vishwavidyalaya (pursuing) and Saurashtra University (1 year).
- Member of BOS of Kadi Sarva Vishwavidyalaya (pursuing) and Saurashtra University (11 tears).

## **Academic Contribution to other fellow Institutions**

- Member of Screening Committee of DOEACC Society, Ministry of Communication & Information Technology.
- Member of Selection Committee of Universities in Gujarat, Rajasthan and Chattisgarh.
- Research Evaluation in the state of Maharashtra, Tamil Nadu, Rajasthan, Gujarat.

## **Consultancy Contribution**

- Academic Consultant GFSU, Gandhinagar.
- Industry liaison for faculty and student project work and Student placement - Green Field Control System (I) Pvt. Ltd., Gandhinagar, Gujarat.
- Technical Consultant Euthenics, Ahmedabad.
- Technical Consultant Sciter Pvt. Ltd., Ahmedabad.
- Director nominated by SEBI Saurashtra Kutch Stock Exchange.
- Technical Consultant to State Bank of Saurashtra (Head Office) for selection Hardware and Software for branches.
- Technical Consultancy provided to Saurashtra Kutch Stock Exchange for selecting Hardware/software including application software for their Online Trading System.

## **Kadi Sarva Vishwavidyalaya**

- Design and Implementation of M. Phil. and Ph.D. programme in Computer Science.
- Curriculum Revision of BCA and MCA programme
- Strengthening interdisciplinary and Collaborative research.
- Contributed in the establishment of the Department of Master Programme in Maths and Physics.

## Conference/Workshops/Invited talks

- Organized
  - International/National : 18 [ Appendix D ]
- Invited Talk as an Expert & Resource Person : 29 [ Appendix E ]
- Attended
  - Workshop & Seminars : 21 [ Appendix F ]
  - Training Programmes : 10 [ Appendix G ]

## Additional Profile and Activities as Mentor – Institute Industry Interaction Cell KSV

- Research Guide to boost research skills in faculties through workshops
- Collaboration with Industries for Faculty Training, Student Project Placement, Student Job placement through in campus or off campus placement drive, Industrial problem solving to widen the domain of consultancy,
- Acquired **Nodal Center for Start-ups** from Govt. of Gujarat for KSV at Kadi campus
- Acquired Centre for Entrepreneurship Development for training professionals in the fields of CNC machines operations in manufacturing industries at LDRP-ITR Gandhinagar campus.

**Date :25 May 2016**

**Place : Gandhinagar**

**Dr. N. N. Jani**

**(Signature)**

## Appendix A

### Research Papers Published

1. Shivani A Trivedi, Dr. N. N. Jani, Amal Kumar “Transformation of Legacy System OODB Modeling into AODB”, in International Journal of Advanced Engineering & Application, Jan 2011 Issue.
2. Anand Kumar, Dr. N. N. Jani “Network Design Problem Using Genetic Algorithm- An Empirical Study on Selection Operator”, in International Journal of Computer Science and Applications (IJCSA), April 2010 Issue.
3. Shivani A. Trivedi, Dr. N. N. Jani, “ICT Drivers in Effective Health Care Management System”, in International Journal of Science, Sept. 2010 Issue.
4. Binod Kumar, Dr. N. N. Jani, “Prediction Of Protein Secondary Structure Based on Gor Algorithm Integrating with Multiple Sequences Alignment”, in International Journal of Advanced Neural Computing Systems, Vol.3, Nos. 1-2, January 2011, pp.13-22.
5. Binod Kumar, Dr. N. N. Jani, “A New Dimension in Molecular Structure Analysis: Better Information for Biochemoinformatics ”, in International Journal of International Journal of Advance Research in Computer Engineering, Global Research Publications, India, Volume 3 No. 2, July-December 2009, pp.453-455, ISSN: 0974-4320
6. N. N. Jani and Rupesh Mehta, “To computerized the design procedure of a continuous slab and T-beam subjected UDL”, 2<sup>nd</sup> National Conventional of Computing Engineering computer for quality and reliability in engineering. Organized by institute of Engineering India – computer Engineering Davison, Bangalore. On 6-7 Nov.1987.
7. N. N. Jani and C. V. Desai, “Design of transmission shaft of circular section”, 2<sup>nd</sup> National Conventional of Computing Engineering Computer for quality and reliability in engineering. Organized by institute of Engineering India – Computer Engineering Division, Bangalore, 6 – 7 Nov.1987.
8. N. N. Jani and R. A. Mehta, “CN-11 Paralyzes the virus(c) ASHAR” National Conference on Electronic Circuits & Systems (NACONES – 89) ,University of Roorkee, Roorkee, Nov.2-4 1989.
9. N. N. Jani, “Architectures for Faster Computing – Parallel Computing” - Gujarat Science Congress Seminar on January 1993.
10. N. N. Jani, K. B. Modi, and Dr. R. G. Kulkarni, “The influence of Mn<sup>4+</sup> Substitution in MgFe<sub>2</sub>O<sub>4</sub> on Electrical Conductivity” - DAE Solid State Physics Symposium, University of Rajasthan, Jaipur, Dec.27-31 1994.
11. B. S. Trivedi, H. H. Joshi, G. J. Baldha, N. N. Jani, K. B. Modi and R. G. Kulkarni, “Mossbauer and Magnetization Measurements on CuFe<sub>2-x</sub>Al<sub>x</sub>O<sub>4</sub>”, International Conference on the Applications of the Mossbauer Effect (ICAME -95) at Istituto Scienze Fisiche, Universita Diparna, Rimini, (Italy).
12. Kunal B. Modi, N. N. Jani & H. H. Joshi, “Study Of Canted Spin Structure In Aluminum Substituted Mgfe<sub>2</sub>o<sub>2</sub>” - Indian Journal of Pure & Applied Physics, Vol. 33, Dec.1995, pp758-762.
13. Kunal B. Modi, N. N. Jani, Bimal S.Trivedi & H .H. Joshi, “Comparative Study of Magnetic Properties of CoFeAlO<sub>4</sub> Synthesized by Wet- Chemical and Ceramic Methods” - Acta Clencia Indica,Vol. XXI P.No.3. 75(1995).

14. N. N. Jani, Bimal S. Trivedi, V. T. Thanki, H.H. Joshi and R. G. Kulkarni "Magnetics and electrical properties of  $Mn_xFe_{2-2x}O_4$  System –DAE" BRANS ELECTROEAMICS, March 13-15 1996.
15. "Multimedia Technology in Education" XI- National Conventional of Indian Association of Physics Teachers, Dec. 12 -14 1996.
16. H. H. Joshi , P. B. Pandya , K. B. Modi, N. N. Jani , G. J. Baldha and R.G. Kulkarni "Magnetic Properties Of Magnatism – Cobalt Ferrites Synthesized By Coprecipitation Method", Bulletin of Material Science Vol. 20 no. 1 Feb. 1997, pp 93- 101.
17. N. N. Jani Bimal S Trivedi, H. H. Joshi and R.G. Kulkarni, "Magnetic Properties of the Mixed spinel  $Mg_{1+x}Zr_xFe_{2-2x}O_4$ " Indian Journal of Pure & Applied Physics Vol. 35 July 1997, pp41-423.
18. N.N.Jani Bimal S Trivedi, H.H. Joshi and R.G. Kulkurni. "Magnetic Properties of the mixed spinel  $Mg_{1+x}Mn_xFe_{2-2x}O_4$ " - Hyper line Traction 110(1997) 227-223
19. O. G. Mundada, N. N. Jani, K. M. Jadhava , G. K. Bichile, B. S. Trivedi and R. G. Kulkarni, "Magnetic Properties of Ni- Zn ferrites doped with  $Ti^{4+}$  ions", Journal of material Sciences (1997).
20. N. N. Jani, Urvi Chhaya, V. T. Thanki, H. H. Joshi and R. G. Kulkarni, "Magnetic Properties Of  $Co_{1-x}Cr_xO_4$  Synthesized by Co- Precipitation Method", Asian Journal of Physics Vol. 6 Nos. 1 & 2 (1997) 222-226.
21. N. N. Jani, Bimal S. Trivedi, Urvi Chhaya, P. B. Pandya, H. H. Joshi and R. G. Kulkarni, "Caption Distribution Of The System  $Co_{1-x}Fe_xO_4$  by X – Rays and Mossbauer Studies", Asian Journal of Physics Vol.6 Nos. 1 & 2 (1997) 236-239.
22. N. N. Jani, Bimal S. Trivedi, V. T. Thanki, H. H. Joshi and R. G. Kulkarni "Magnetic and Electronics Properties of  $Mn_xMg_{1+x}Fe_{2-2x}O_4$ System", Bulletin of Material Science.
23. N. N. Jani, Bimal S. Trivedi, R. G. Kulkarni, "Mossbauer Data Analysis with Computer Visualization(pp12)", XII Gujarat Science Congress (GSC - 97), Sardar Patel University, Vallabh Vidyanagar, Feb 15-16-1997.
24. N. N. Jani, Bimal S. Trivedi, G. K. Bichile, H. H. Joshi and R. G. Kulkarni "Magnetic ordering in  $Mg_{1+x}Mn_xFe_{2-2x}O_4$  System", Bulletin of Material Science Vol.21,No 3 June 1998 pp233-240.
25. "Technology Driven IT Education and Training", IT feature Trends and Applications Computing 99, Northern Regional Conference CSI Indore Chapter Feb.27-28-1999.
26. N. N. Jani and Kishor Atkotia , "Education on the Wheels of Internet Technology", UGC sponsored seminar - "Internet for Higher Education" - Mar.13,14,1999, at S. P. University, V. V. Nagar.
27. N. N. Jani and C. K. Kumbharana, "Information Technology threaded commerce education a novel model for next millennium" - UGC sponsored conference on Strategies of Commerce Education with reference to modern Industrial development and recent trends in marketing in Gujarat on 29-30-January 2000.
28. Miss Chandni S. Trivedi and N. N. Jani, "Com / Dcom" - UGC Sponsored on IT & E-Commerce, Feb 6,2000 p21at Bhavan's Shri A. K. Doshi Mahila College Jamnagar.

29. N. N. Jani and C. K. Kumbharana, "Futuristic Databases into Digital Economy Environment" - UGC Sponsored on IT & E-Commerce, Feb 6,2000 p 48 – 49 at Shri. A. K. Doshi Mahila College Jamnagar.
30. Nikesh shah and N. N. Jani , "Internet to e-Commerce : A Roadway to Walkthrough"- UGC Sponsored on IT & E-Commerce, Feb 6, 2000 p 50 - 51 at Shri. A. K. Doshi Mahila College, Jamnagar.
31. "Critical issue in implementation E – Commerce", UGC Sponsored on IT & E-Commerce, Feb 18-19-2000 at institute of Public Enterprise Osmania University Campus, Hyderabad.
32. N. N. Jani and C. K. Kumbharana, "Security Concerns in E – Commerce – Systematic Quest", National Conference on E-Commerce, Feb 18-19-2000 at institute of Public Enterprise Osmania University Campus ,Hyderabad.
33. A. R. Patel and N. N. Jani, "E-Governance to improve the interface between government and citizen" – International symposium on Information Technology, Peoples Development and Culture Feb 12-16 2001 No 530 P40 at Indian Academy of Social Sciences and J. K. Institute of Applied Physics and technology, University of Allahabad.
34. "Network Intrusion and Measures for Robust Security", 4<sup>th</sup> National Conference on Statistics, computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University ,Rajkot.
35. "Data mining – Tool to acquire knowledge", 4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department Science, Saurashtra University, Rajkot.
36. "Data Warehouse Security Considerations in E-Commerce Environment", 4<sup>th</sup> National Conference on Statistics , Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra Science, Saurashtra University, Rajkot .
37. "Information to Knowledge Management", 4<sup>th</sup> National Conference on Statistics , Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University , Rajkot.
38. "Advancement in read- Lead Technology", 4<sup>th</sup> National Conference on Statistics , Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University , Rajkot .
39. "Multimedia Information System- Video Images Database System", 4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University , Rajkot
40. "Reading The Education The Online Learning", 4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University, Rajkot.
41. "Graphical Software on Computer cluster Software Architectural Paradigm" ,4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University, Rajkot.

42. Comparative Study of Application Area of Various Clustering Scheme”, 4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University, Rajkot.
43. “Multimedia bio- metric system for indentifying individual’s identity”, 4<sup>th</sup> National Conference on Statistics, Computer and Application on November 24-26 2001 Organized by Department of Statistics and Dept. of Computer Science, Saurashtra University, Rajkot.
44. Dr. N.N. Jani, Dr. B. S. Trivedi and S. G. Parmar, “Mag-Ram Using Magnetic Tunnel Junctions”, National Level Technical Paper Presentation Competition 2002 on March 23-24 2002 Organized by Amogsiddhi Education Society, Sangli. and Department of Computer Science, Saurashtra University, Rajkot.
45. Dr. N. N. Jani, Dr. A. R. Patel and Nitaben Shah, “Cyber Democracy Using effective E-Governance”, National Level Technical Paper Presentation Competition 2002 on March 23-24 2002 Organized by Amogsiddhi Education Society, Sangli. And Department of Computer Science, Saurashtra University, Rajkot.
46. Dr. N. N. Jani, C. K. Kumbharana, “Contribution of speech Processing Technology in E- dialog System”, National Level Technical Paper Presentation Competition 2002 on March 23-24 2002 Organized by Amogsiddhi Education Society, Sangli and Department of Computer Science, Saurashtra University, Rajkot.
47. Dr. N. N. Jani, Dhatri Joshi, “High performance clusters to support parallel processing”, National Level Technical Paper Presentation Competition 2002 on March 23-24 2002 Organized by Amogsiddhi Education Society, Sangli and Department of Computer Science, Saurashtra University , Rajkot.
48. Dr. N. N. Jani, and N. A. Shah, “Superconductor Based Router to Sustain internet Growth”, National Level Technical Paper Presentation Competition 2002 on March 23-24 2002 Organized by Amogsiddhi Education Society, Sangli and Department of Computer Science, Saurashtra University, Rajkot.
49. Dr. N. N. Jani, and Prof. G. R. Kulkurni, “Voice Recognition Useful technique for information and Data Security”, National seminar on Information and Data Security during 16-17 February 2002 Organized by C. U. Shah Collage of Engineering & Technology in association with Institution of Engineers (India) Gujarat state.
50. Dr. N. N. Jani and Prof. G. R. Kulkarni, “HMM Methods in Speech Recognition”, National seminar on Information and Data Security during 16-17 February 2002 organized by C. U. Shah Collage of Engineering & Technology in association with Institution of Engineers (India) Gujarat State.
51. Dr. N. N. Jani and Mr. Rakesh Anandani, “Security Date over Unsecure Network”, National seminar on Information and Data Security during 16-17 February 2002 Organized by C. U. Shah Collage of Engineering & Technology in association with Institution of Engineers (India) Gujarat State.
52. Dr. N. N. Jani and C. K. Kulkurni, A. M. Gosai, “WAP- The Net Going wireless”, National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni., Rajkot.

53. Dr. N. N. Jani, and C. K. Kulkurni, A. M. Gosai "Performance Tuned Network Management", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science. Saurashtra Uni., Rajkot
54. Dr. N. N. Jani, Vishal M. Sanghani, Rakesh S. Kantaria, "Micro Electro Mechanical System (MEMS)", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni., Rajkot.
55. Dr. N. N. Jani and Mr. T. H. Jani, "Data warehousing and OLAP Technology Contribution in DSS", National Seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
56. Dr. N. N. Jani and Mihir J Mehta, Bhavana G. Patani, "Building Low cost, High Performance. Scalable Cluster Servers- A case Study", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
57. Dr. N. N. Jani and Thumar Satish G., "Innovative approach of Warehousing data with data mining knowledge", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
58. Dr. N. N. Jani and Dhaval R Kathiriya, "Roadmap for E-Government in the Developing World", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
59. Dr. N. N. Jani and Nilesh P. Goal and Reeta Vij, "Thin Films Using Magneto resistance Random Access Memory", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
60. Dr. N. N. Jani and Nilesh P. Goal and Reeta Vij, "Acoustic Feature Detection Algorithms", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
61. Dr. N. N. Jani and Dhaval R Kathiriya, "Biometric Authentication the Ultimate Security", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
62. Dr. N. N. Jani and Hiren D Joshi, "Symmetric – key and Asymmetric- key Cryptosystems", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
63. Dr. N. N. Jani and Radadiya Bankim L., "Involvement of Distributed web server to design Scalable Enterprise Portal", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
64. Dr. N. N. Jani, Project Guide, "Optimized Database Access System", National seminar on Emerging Technology & Application (ETA-2003) during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
65. Dr. N. N. Jani and Hitesh Sheth, "Integration of Data Mining and Object-Relational Database" National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.

66. Dr. N. N. Jani and Jignesh Khakhar and Hitesh N. Mehta, "E-Governance a Paradigam shift to E-Democracy", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
67. Dr. N. N. Jani and G. R. Kulkarni, "Spectral Feature for Speaker Recognition and Recognition Algorithms", National seminar on Emerging Technology & Application (ETA-2003)during 11-13 July 2003 organized by Development of Computer Science, Saurashtra Uni. Rajkot.
68. Dr. N. N. Jani, "Bioinformatics- Gentle Herbal application for body regulation", 10<sup>th</sup> International Conference SCRA 2003 –FIM X at University of Suthern Maine, Portland Maine U.S.A. during October 3-5-2003 accepted for oral presentation. To be delivered.
69. C. K. Kumbharana, Dr. N. N. Jani, "Speaker Processing", National Seminar on Emerging Technology & Application (ETA-2004) during 25-26 Feb 2004.
70. C.K. Kanabar, Dr. N. N. Jani, "Multimedia Rich Virtual Classroom Environment Development", National seminar on Emerging Technology & Application (ETA-2004) during 25-26- Feb 2004, Organized by Development of Computer Science, Saurashtra Uni., Rajkot
71. "Cluster computing setup with different hardware and performance analysis", National seminar on Emerging Technology & Application (ETA-2004) during 25-26- Feb 2004, Organized by Development of Computer Science, Saurashtra Uni., Rajkot.
72. Dr. R. K. Kothariya, Dr. N. N. Jani, "Herbal informatics – To control and cure degenerative diseases", National seminar on Emerging Technology & Application (ETA-2004) during 25-26- Feb 2004, Organized by Development of Computer Science, Saurashtra Uni., Rajkot.
73. C. K. Kumbharana, Dr. N. N. Jani, "Speech Dictation: Speech Processing in Education".
74. C. M. Kanabar Dr. A. D. Ambasana, Dr. N. N. Jani, "Multimedia Rich E- learning From Intelligent Co-Operation knowledge Acquisition and management system" .
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112. Dr. N. N. Jani, “New era for Design and Run fine management and mapping of dynamic embedded software in MPSOC (Multi-Processors System on Chip)”, Published International Journal of Advanced Engineering & Applications, Supported by STEPS-INDIA.
113. Dr. N. N. Jani, “Themes Of Higher Education : Prospects of Gujarat”, Delegate International Conference held on 25-26 November 2010 Organized by Knowledge Consortium of Gujarat, Department of Education, Govt. of Gujarat & Pandit Deendayal Petroleum University, Gandhinagar.

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## Appendix B

### Books Published

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2. Dr. N. N. Jani, Dr. Bijendra Agrawal, Dr. Ashish Jani, Mr. Kamaljit I. Lakhtaria, Mr. Amit Kalyani, "Client Server Applications Using Visual Basic 6.0", Books India Publications, Ahmadabad, 2009
3. Dr. N. N. Jani, Dr. A. N. Jani, Dr. G. R. Kulkarni, Mr. Kamaljit I. Lakhtaria, "Embedded Systems Concepts to Applications", Knowledge Enterprise, Rajkot, 2009
4. Munesh Trivedi, Dr. N. N. Jani, Mr. Kamaljit I. Lakhtaria, Mr. Gopal Dave, "Computer Graphics & Animation", Jaico Publishing House, Mumbai, 2009, ISBN: 978-81-8495-010-6, 2009
5. Dr. N. N. Jani, Rakesh Bhatnagar, Mr. Kamaljit I. Lakhtaria, "C Programming Language", Everest Publication, Pune, ISBN No. 81-7660-179-9, 2010
6. Dr. N. N. Jani, Dr. G. R. Kulkarni, Dr. Ashish Jani, Mr. Kamaljit I. Lakhtaria, Mr. Dhaval S. Vyas, "Embedded Systems Concepts to Applications" Second Edition, Knowledge Enterprise, Rajkot.
7. Munesh Chandra Trivedi, Dr. N. N. Jani, Dr. Sanjay Shah, "Artificial neural Networks Technology", Khanna Book Publication Co.(P) Ltd., ISBN 10:81-907448-5-2 & ISBN 13:978-81-907448-5-0
8. "Let us C++" Gujarati Edition Translated by N. N. Jani , BPB Publication ISBN 81-7656-352-8.
9. Munesh Trivedi, Dr. N. N. Jani, S. S. Sarangdevot, Avniash Dwivedi," A Practical Approach Of Software Engineering", A. B. Publication ISBN: 978-81-907077-5-6.
10. A. R. Patel, N. N. Jani, Dhaval Kathirtiya, Munesh Trivedi, Ravindra Prohit, Kamaljit Lakhatria, "TOWARDS E-GOVERNMENT" A. B. Publication ISBN: 978-81-907077-9-4.
11. Dr. N. N. Jani, K. H. Wandra , J. B. Pandya "FUNDAMENTALS OF COMPUTER GRAPHICS (C Version), Akshat Publication & Distribution.
12. Dr. N. N. Jani, Ruchita Dewan "Computer Graphics, AKSHAT Publication Book Code - 341602
13. Dr. N. N. Jani , Ms. Shivani Trivedi, Ms. Nidhi Divecha, Ms. Rebekah Jobdas "Data Base System Concepts, Design & Implementation" by Books India Publications.
14. Dr. N. N. Jani, Rakesh Bhatnagar, Kamaljit I. Lakhtria "C Programming Skills" Everest Publication House ISBN: 81 7660 179 9.
15. Dr. N. N. Jani, Vipul M. Prajapati, Dr. Yogesh Ghodasara, Rakesh Bhatanagar, Ketan Prammar "Parallel Processing & High Performance Computig with CLUSTERS & GRID" Everest Publishing House ISBN: 81 7660 172 1
16. Munesh Trivedi, Dr. N. N. Jani, Mr. Kamaljit I. Lakhtaria, Mr. Gopal Dave, "Computer Graphics & Animation", Jaico Publishing House, Mumbai, 2009, ISBN: 978-81-8495-010-6, 2009
17. Dr. N. N. Jani, Dr. G. R. Kulkarni, Dr. Ashok R. Patel, Dr. Apurva Desai, Dr. Ketan Kotecha, Prof. K. H. Wandra, Prof. A. C. Suthar, Mr. Harshad Bhadka "Publishers Distributors Divya Enterprise, Rajkot.

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## Appendix C Academic Performance Index

### ACADEMIC PERFORMANCE INDICATORS

(Please see detailed instructions of this PBAS Performa before filling out this section)

#### CATEGORY: 1. TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(i) Lectures, Seminars, Tutorials, Practical's, Contact Hours (give semester- wise details, where necessary)

S.No	Course/ Paper	Level	Mode of teaching*	No. of classes per week allotted	No. of Classes conducted	% of classes/ Practical's taken as per documented record
1	ETA	Sem-V MCA	S,P	2	32	100
2	Mini Project	SEm-V- VI BCA	T,P	2	32	100
3	Emerging Trends	M.Phil	S,P,C	4	42	100
4	Research Guidance	Ph.D	S,C	4	20	100

\* Lecture (L), Seminar (S), Tutorial (T), Practical (P), Contact Hours (C)

(a)	Classes Taken (max 50 for 100%)	50
(b)	Teaching Load in excess of UGC norm (max. score: 10)	10
	<b>Total API</b>	<b>60</b>

(ii) Reading / Instructional material consulted and additional knowledge resources provided to students  
**API SCORE 20**

S.No.	Course/ Paper Additional Resource provided
1	Python
2	Data Warehousing & Data mining
3	Embedded systems
4	Cyber security
5	Cloud computing
6	IOT
7	Wireless Sensor Networks

(iii) Use of Participatory and Innovative Teaching- Learning Methodologies, Updating of Subject content, Course improvement etc.

S.No.	Short Description	API Score
1	Selection of research area and formation of title in emerging areas	
2	Documentation of knowledge and transformation	
3	Developing skills to write literature review , review finding , problem statement, proposed work with extension of knowledge	
<b>Total Score (Max. Score:20)</b>		<b>20</b>

(iv)Examination Duties Assigned and Performed

S.No.	Types of Examination Duties	Duties Assigned	Extent to which carried out (%)	API Score
1	M.Phil Examinations	3	100	
2	MCA Project Evaluation	2	100	
3	Ph. D Course work	2	100	
4	M.Phil , Ph.D Course work	2	100	
<b>Total Score (Max:25)</b>				<b>25</b>

**CATEGORY: II. CO-CURRICULAR, EXTENSION, PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES (Please mention your): contribution to any of the following**

S.No.	Type of Activity	Average Hrs/week	API Score
(i) Extension, Co-curricular & field based Activities			
1	Consultancy	20	
2	Other universities PhD thesis evaluation	45	
3	Industry liaison for faculty and student project work and Student placement	16	
(ii) Contribution to Corporate Life and Management of the Institution		Yearly/ Semester wise Responsibilities	API Score
1	Administrative, Academic, Research , project monitoring , Contribution to university event Youth festival, sports events, institution events	Head of the Institution and event activities	
(iii) Professional Development Activities			
1	Organized Seminars	2	

2	Organized FDPs	2	
	<b>Total Score (i + ii + iii)</b>		<b>50</b>

**CATEGORY: III. RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS**

**A) Published Papers in Journals**

S.No.	Title with page nos.	Journal	ISSN/ISBN No	Whether Peer Reviewed. Impact Factor, if any	No. of Co-authors	Whether you are the main author	API Score <b>25</b>
<b>Till Date 113 Publications</b>							

**B) Books Published**

S.No	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ ISBN No	Whether peer reviewed	No. of co-authors	Whether you are the main author	API Score <b>75</b>
<b>Till Date 17 Publications</b>							

**(C) Completed Projects / Consultancies**

S.No	Title	Agency	Period	Grant/ Amount Mobilized (Rs. Lakh)	Whether policy document/ patent as outcome	API Score
1	Digital Repository Development for Interactive and Simulation Based self learning Objects for Active E-learning	GUJCOST	2013-2015	7,25,000/-	Na	<b>20</b>

**(D) Research Guidance**

S.No.	Number Enrolled	Thesis Submitted	Degree awarded	API Score
M.Phil or equivalent	11	6	6	<b>18</b>
Ph.D. or equivalent	38 till date	34	34 till date	<b>340</b>
Other Uni. PhD Thesis evaluation	Till date 36			

(E) Invited Lectures and Chairmanships at national or international conferences/ seminar etc

S.No.	Title of Lecture/ Academic Session	Title of Conference / Seminar etc	Organized by	Whether international/ national	API Score
<b>27 National and 1 international talk 195+20 = 215</b>					

(F) national or international conferences/ seminar etc

S.No.	Title of Conference / Seminar etc	Organized by	Whether international/ national	API Score
<b>18 National and 1 international talk</b>				<b>165</b>

**IV. SUMMARY OF API SCORES**

	Criteria	Total-API Score For Assessment Period
I	Teaching, Learning and Evaluation related activities	125
II	Co-curricular. Extension, Profess development etc	50
	Total I + II	175
III	Research and Academic Contribution	858
	<b>Total</b>	<b>1033</b>

**Note : The API score is calculated on the bases of UGC Regulations 2010 guidelines to compute API**

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## Appendix D

### Workshop and Seminar Organized by Department of Computer Science

1. Computers in Research and Education- Two week orientation Course for University Teachers – Organized jointly by Department of Computer science and Department of Education- from 13/04/98 to 25/04/98.
2. 69<sup>th</sup> refresher course in Computer Science for teachers in the subject of computer science trust area- information technology jointly organized by Department of Computer science and Academic Staff college – from 16/11/98 to 6/12/98.
3. Computer And Information Technology in research for Ph.D. Research scholars – 2 days seminar(21<sup>st</sup> and 22<sup>nd</sup> march 1998)- organized by Department of Computer Science.
4. Organized UGC Sponsor refresher course of three weeks duration for teachers of the subjects of Computer Science in college and Universities in December -1998 and acted as Course Coordinator.
5. Workshop on “Networking and Web Development” –organized by department of computer Science –from 01/05/1999 to 02/05/1999.
6. Saurashtra University Sponsored workshop on “Curriculum Reforms” for teachers of computer science – organized department of computer Science –Jan.1999.
7. Saurashtra University Sponsored workshop on Development of Departments: “Project overview”-jointly organized By Department of Computer Science, Department of Business Management, Academic Staff College and UGC section, Saurashtra University- April 27, 1999.
8. Department of Computer Science And Statistic Department jointly organized 4<sup>th</sup> national Conference “ISSCA 2001” on Statistics, Computer and Applications from 24<sup>th</sup> November to 26<sup>th</sup> November 2001.
9. The “NLSRC -2002”National Level Seminar and research Competition on Emerging Trends in Computer & Engineering” during 23<sup>rd</sup> /24<sup>th</sup> /25<sup>th</sup> march 2002.
10. National Conference on “Restructuring Information Technology Education (NCRITE -2002) On 23<sup>rd</sup> june 2002.
11. The ETA – 2003 National Seminar on Emerging Technologies & Applications” during 11<sup>th</sup> /12<sup>th</sup> / 13<sup>th</sup> july 2003.
12. The ETA -2003 National Seminar on Emerging Technologies & Applications” during 25<sup>th</sup> /26<sup>th</sup> February 2004.
13. National Level Seminar “ETA” – Emerging Technology and application 2004.
14. National Level Seminar “ETA” – Emerging Technology and application 2005.
15. National Level Seminar “ETA” – Emerging Technology and application 2006.
16. International conference on emerging technologies and Applications in engineering ,technology and sciences ICETAETS -2008 ON 13<sup>TH</sup> - 14 January , 2008 organized jointly with Dept. of computer science and Amoghsiddhi Edu . Trust , Sangli.
17. Organized workshop two during 2008-2009.
18. Contributed to mous with Industries & KSV.  
(1) ERDC (2) Peach (3) Pragra

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## Appendix E

### Invited Talk as an Expert & Resource Person

1. Invited talks as Expert to deliver session with hands on Research Methodology to Ph. D. aspirants at KSV(6), Changa University(1), HNGU(1), Ganpat University (1), Govt. Engg. College Gandhinagar (1).
2. Invitation: By University of West of England, UK. To contribute for future courses of Computer in Education in Developing Countries (CIEDC).
3. Emerging Computing Technologies and its Impact – Student Convention – March 5 1995 – organized by Institution of Engineers and S.P. University ,V. V. Nagar.
4. Invited to chair the Session on topic “Basics of Internet and E-mail with Live Demonstration” in the seminar Organized by Dept. of Electronics and SUTA in association with web ell Communication Rajkot on 16<sup>th</sup> January 1998.
5. Key Note speech on “Computer mate Munjavti sal 2000” arrange by Community Science Center, Rajkot on 14<sup>th</sup> November 1998.
6. Invitation as the chef Guest in Productivity week celebration by kutch- saurashtra Productivity Council on 15<sup>th</sup> February 1999.
7. “Computer Language and Operating Methods” Science Programme broadcast From All India Radio on 19<sup>th</sup> June 1999.
8. “Security Issues”- Oct .23.1999 at seminar “Roadmap to E – Commerce, Implementation Issues and planning” organized by Computer Society of India , Ahmedabad Chapter, Ahmedabad.
9. Internet Technology and Instrumentation - Jan.24 , 2001 –at seminar on “Instrumentation Sciences - Need of Hour” – organized by saurashtra University and Rajkot Engineering Association.
10. “Tele – Conference” An Interview in Science Program Broadcast From All India radio on 9<sup>th</sup> November 2002.
11. Invitations for the inaugural Session of ITMEET@SSCCS on 18<sup>th</sup> January 2003.
12. Invitation as the subject expert BBA interview at Shri H.J.Doshi I.T. Institute , Jamnagar on 21<sup>st</sup> June 2003.
13. “An Interview on Scanner” a Talk broadcast from all India Radio Date 9<sup>th</sup> April 2003.
14. Invitation as the Subject Expert BCA interview at Shri H.J.Doshi I.T. institute , Jamnagar on 21<sup>st</sup> June 2003.
15. “Micro Controller and Digital Signal processing” - Short term Training programme from 17- 31 July 2003 at Shantilal Shah Engineering College at Bhavnagar as an expert faculty member.
16. Invitation as the subject expert , interview at Grace College of Commerce, Rajkot.
17. Invitation as the Subject Expert BCA interview at shri S.H.G. Shaikshank sankul , Amreli on 28<sup>th</sup> July 2003.
18. Invited talk on “Mems Technology Emerging Trends” Organized by IIIT Allahabad deemed University (A Center of Excellence in IT established by Govt. of India ) on 19<sup>th</sup> September 2003.
19. Invited talk on “Data warehousing & Mining “ 6<sup>th</sup> annual Conference of Society of statistics & Computer Applications at University of Lucknow during 5-7 Dec 2003.
20. Invited Talk on “Role of Computer in Physics experimentations” organized by Indian Academy of Sciences and Saurashtra University Refresher Course in Experimental Physics” during 3-16 Nov.2003.
21. Invited talk on “Nano Medical Informatics (NIMI) & Academy of Biomedical and Health Informatics (ABHI) during 17 – 18 Jan 2004 at Headband, also acted as Session Chairman.
22. Workshop on embedded system on 15<sup>th</sup> dec. 2006 jointly with industry Edutech Systems, Baroda.
23. Rajkot based IT company We the developer arranged theory and practical test for the department students on 18 -12 -06.

24. Seminar on IT business & management on 7-3-07 , invited speaker Mr. mark jen kin, lecturer university of hertfordshire , Hatfield , U.K.
25. Seminar on utilization of computer in social science organized by DCS, speaker were Dr.N N Jani , Dr. A D Ambasana, 16 - 3 - 2007 .
26. Two days workshop on 30-31 march 2007 at DCS , organized by IBM and DCS, exploring EMS Tool 'TIVOLI'.
27. Seminar on Business intelligence on 6-4-2007 , invited speaker Mr. k Tripathi , Chairman & CEO , Euthenics IT services pvt. Ltd- Headband.
28. Workshop on Embedded Systems using 8051/ARM on 24-26 Aug .2007 organized by department and SPJ Systems , Pune .
29. International Workshop on Emerging Technologies and Applications during 13-14 Jan 2008 at Saurashtra University Campus .Rajkot .

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## **Appendix F**

### **Attended Workshop, Seminars**

1. Workshop on “Reformation of Computer Courses of Commerce Faculty” – April 5 1996 at Saurashtra University , Rajkot.
2. UGC sponsored State Level Seminar – “The Recommendations of the Rastogi pay committee Evaluations and Suggestions “- Sept. 26, 1997 at Saurashtra University , Rajkot.
3. ICCST – 98 – Workshop on “Impact of Contemporary Science and Technology” –Nov 6 1996 – organized by Bhabha Atomic Research Center , Mumbai .
4. Workshop on Advance Computing using High end PCs, Workstations and parallel machine –Jan 6 –9 , 1997 – Organized by center for Advanced Technology, Indore.
5. Workshop on National Task Force on Information Technology & Software Development –Oct . 13, 1998 –Organized by Govt. of Gujarat at Physical Research laboratory, Headband.
6. International Conference on Knowledge Based Computer Systems (KBCS –98) –dec. 17-18 1998 – organized by Nation center for software Technology, Mumbai.
7. Participate in “Seminar on Internet” Organized by Rajkot Telecom District during 10-11 December 1998.
8. Workshop on Patent awareness –March 26, 1999 – Organized by TIFAC and Saurashtra University Rajkot.
9. Workshop on Network & Development – Organized by Department of Computer science Saurashtra University from 1<sup>st</sup> may to 2<sup>nd</sup> may 1999.
10. International Workshop on Technology Development in Indian Languages –March 26-3-,2001 – Organized by Computer Vision and Pattern Recognition Unit of Indian Statistical Institute,Kolkatta.
11. Workshop on Teching cluster computing –December 18<sup>th</sup> 2001 Ahmedabad Organized by IEEE Computer Society, Gujarat Section
12. Attend the Training of D-Link (India) Limited Goa held on 4<sup>th</sup> to 7<sup>th</sup> December 2001
13. Workshop on paraller Computing – Optimizing Performance of Parallel Programs (PCOPP-2002) held from june 03-06-2002 at CDAC Pune
14. Workshop on “Quality in Technical Education” on 4<sup>th</sup> may 2002 Ahmedabad.
15. Workshop on SPACE AND GEOINFORMATICS APPLICATIONS organized by Indian Society of Geomatic – Ahmedabad Chapter in Association with VVP Engineering college Rajkot on 19<sup>th</sup> October 2002.
16. National Seminar on “Innovations in information System” for “Rural Development” on 14-15 February 2003 at Organized by Computer Graduate Dept.of Computer Science, S.P.University.
17. International Conference of “11<sup>th</sup> CONVERGENCE INDIA 2003”held from 11-12-13 March 2003 at New Delhi, Pragati Midan.
18. “Vartual Instrumentation in engineering Education” on 14<sup>th</sup> sep.2003 at Ahmedabad. Organized by Nation Instuments System PVT. Ltd. Banglor in coordination with sh.U.V. Patel College of Engineering Mehsana.
19. “Model Credit Based semester System” workshop organized by AICTE-IIT Bombay on 4<sup>th</sup> Dec 2003
20. “e-Science : Computational Grid Infrastructure and Scientific & Engineering Applications” indo – UK workshop organized by IIT-Delhi During 20-24 Feb.2004
21. “Academic Summit for Higher Education” workshop organized by Microsoft India, Bangalore during 14-15 April 2004.

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## Appendix G

### Training Programmes Attended

1. Indian Society For Technical Education Organized unitary Summer School program of 4 weeks in Television at AVP Technical institute, Rajkot in Year 1977
2. Electronic Systems Punjab Limited Training And Education Center Organized Computer Training Programme
3. of 28 Days attend
4. Physics Research Laboratory Ahmedabad , 2 months june'84, Fortran Programming on IBM 360/44 Machine
5. D.C.A Teachers Training in IIT Kharagpur 1 month and 8 days in Year 1991
6. Teachers Training program on "Computer - oriented Mathematical Methods of Master Of Computer Applications during 7<sup>th</sup> to 16<sup>th</sup> February 1991
7. Technical Teachers Training Institute ,Bhopal 2 week , Advance Fortran Programming on HP 1000 Machines.
8. Electronics Corporation of India, Hyderabad, 2 months training on micro 32 computer system(multi-user)
9. Administrative Staff College of India, Hyderabad, 10 days Management Information System-design & develop
10. Indian Institute of Management, Ahmedabad, 2 months System Analysis & Design.

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