

Curriculum Vitae



Name	:	Prof. (Dr.) Ajay Parikh
Date of Birth	:	06/11/1965
Address (Residential)	:	Department of Computer Science, Gujarat Vidyapith, Ahmedabad- 380014, India.
Current Position	:	Professor & Head, Department of Computer Science Dean Faculty of Management & Technology
Email	:	ajay@gujaratvidyapith.org

Academic Qualifications

Exam passed	Board/University	Subjects	Year	Division/ Grade/ Merit.
Ph.D.	Gujarat Vidyapith, Ahmedabad	Computer Science	2009	Awarded
M. Phil.	Gujarat Vidyapith, Ahmedabad	Computer Science	2003	71.5%
PG.DCA	Veer Narmad South Gujarat University, Surat	Computer Science	1989	69.1%
M.Sc.	Gujarat University,	Mathematics	1987	65%

Certificate Program

- IBM Certified Specialist Tivoli Storage Manager, IBM, June 29, 2007
- Marketing Research and Information System, AMA, Oct- Nov 2003

Contribution to Teaching

Courses Taught	Name of University /College Institution	Duration
Ph.D.	Gujarat Vidyapith, Ahmedabad	Since 2017-18
M. Phil.	Gujarat Vidyapith, Ahmedabad	Since 2011
MCA	Gujarat Vidyapith, Ahmedabad	Since 1994
PGDCA	Gujarat Vidyapith, Ahmedabad	Since 1989

Area of Specialization

- Software Engineering /Software Design Pattern

Area of Interest

- Machine Learning, Data Science, Software Design Pattern, SOA, ICT Application in animal health care and Rural development.

Research Guidance

- Ph.D. Degree awarded – 3
- No. of Students Pursuing Ph.D. – 2
- M. Phil. Degree awarded -2
- Dissertation at MCA level in last 5 years – 30+ students

List of Publications

Books/Book Chapters			
1.	ડેટા વિઝ્યુઅલાઇઝેશન ડેશબોર્ડની રચના અને નિર્માણ(E-book)	લેખક -ડૉ અજય પરીખ, ડૉ વિનોદ દેસાઈ પ્રકાશક- ગજરાત વિદ્યાપીઠ, અમદાવાદ	2022
2.	Advanced Informatics for Computing Research –Part-2 Chap-Hybrid Approach for Network Intrusion Detection System Using Random Forest Classifier and Rough set theory for Rules Generation	Springer New York, LCC IISN 1865-0929 IISN 1865-0937(electronics) ISBN 978-981-15-0110-4 ISBN 978-981-15-0111-1 (eBook)	2019
3.	CCC+BAOU-2 Part - 2 Operating System and Office productive tools	Dr. Babasaheb Ambedkar Open University, Gujarat, Ahmedabad	2006
4.	Certificate in computer Concept (CCC) Application	Dr. Babasaheb Ambedkar Open University, Gujarat, Ahmedabad.	2005
5.	Certificate in computer Concept (CCC) Foundation	Dr. Babasaheb Ambedkar Open University, Gujarat, Ahmedabad.	2005
6.	INTRODUCTION TO COMPUTERS Std.-12 (Arts Stream English Medium)	Gujarat Rajya Pathya Pustak Mandal	2003
7.	INTRODUCTION TO COMPUTERS Std.-12(Arts Stream –Gujarati Medium)	Gujarat Rajya Pathya Pustak Mandal	2003
Book Reviews			
1.	Web Application Development – LAMP	Dr. Babasaheb Ambedkar Open University,Gujarat, Ahmedabad	2022
2.	CCC+BAOU-2 Part-1 Operating System and Office productive tools	Dr. Babasaheb Ambedkar Open University,Gujarat, Ahmedabad.	2006

3.	INTRODUCTION TO COMPUTERS Std.-12(Arts Stream –Gujarati Medium)	Gujarat Rajya Pathya Pustak Mandal	2003
4.	INTRODUCTION TO COMPUTERS Std.-11(Commerce Stream –Gujarati Medium)	Gujarat RajyaPathyaPustakMandal	2003
5.	INTRODUCTION TO COMPUTERS Std.-12(Science Stream)	Gujarat RajyaPathyaPustakMandal	2003
6.	INTRODUCTION TO COMPUTERS Std.-11(Arts Stream –Gujarati Medium)	Gujarat RajyaPathyaPustakMandal	2002

Online Course Design and Coordinate

Certificate Course

1. “Odo Developer”, Online Certificate Course 16th Oct 2021

Papers Published

Journal Papers:

1. Nilesh B. Nanda, Ajay Parikh, “*Network Intrusion Detection System based Experimental Study of Combined Classifiers using Random Forest Classifiers for feature selection*”, International Journal Of Research in Electronics and Computer Engineering (IJRECE), Oct-Nov 2018 Vol 6 Issue 4, Page:341-345, ISSN: 2348-2281.
2. Bhavin Patel, Ajay Parikh, “*Search for an Essential Parameter & Technique for effective Prediction of disease Using Machine Learning Technique*”, Journal of Emerging Technology and Innovative Research(JETIR), Oct 2018 Vol 5 Issue 10 PP, ISSN: 2349-5162.
3. Nilesh B. Nanda, Ajay Parikh, “*Network Intrusion Detection System: Classification, Techniques and Datasets to Implement*”, International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE), March 18 Volume 4 Issue 3, PP: 106 – 109
4. R Pandya, A Parikh,” “*Classification of Data Mining Techniques for Electricity Load Forecasting*”, International Journal on Future Revolution in Computer Science & Communication Engineering, Vol. 3 , Issue 8 (Aug –Sept 2017), Page :10-13, ISSN: 2454-4248
5. N Nanda, A Parikh, “*Classification and technical analysis of Network Intrusion Detection Systems*”, International Journal of Advanced Research in Computer Science; Vol. 8, Issue 5 (May-Jun 2017), Page:657, 6661, ISSN No. 0976-5697

6. A. Bharodiya, A. Parikh, **“Eco-Friendly Web Page Printing Add-on for Mozilla Firefox”**, International Journal of Advanced Research in Computer Science & Technology, Vol. 2, Issue 4 (Oct. - Dec. 2014), Page:199-201, ISSN: 2347 - 8446 (Online), ISSN: 2347 - 9817 (Print).
7. A. Bharodiya, A. Parikh, **“MAPPING OF REFERENCE ARCHITECTURE OF WEB BROWSER ONTO THE WEB 2.0 REFERENCE ARCHITECTURE”**, International Journal of Research & Development in Technology and Management Science, Volume–21, Issue 6, Page:18-25, MARCH 2015, ISBN-1-63102-450-7 European Article Number [EAN]-978-163-102-450-4

Papers in International Conferences:

1. Kansara, Meera and Parikh, Ajay,” Unravel the Outlier Detection for Indian Ayurvedic Plant Organ Image Dataset” (30-31st October 2021), presented at Krishna Engineering College, Ghaziabad, U.P., India. Proceedings of Third International Conference on Computing, Communications, and Cyber-Security, Lecture Notes in Networks and Systems volume 421, Springer Nature Singapore Pte Ltd. 2023 https://doi.org/10.1007/978-981-19-1142-2_33, Page No ,417-426, ISBN 978-981-19-1142-2 (eBook)
2. Kansara, Meera and Parikh, Ajay, **“Indian Ayurvedic Plant Identification Using Multi-Organ Image Analytics: Creation of Image Dataset of Indian Medicinal Plant Organs”** (March 28, 2020). Proceedings of the International Conference on Innovative Computing & Communications (ICICC) 2020 SSRN <http://dx.doi.org/10.2139/ssrn.3563074>.
3. Bhavin Patel, Ajay Parikh,” **Impact Analysis of the Complete Blood Count Parameter using Naive Bayes.**”, IEEE 5th International Conference on Inventive Computation Technologies (ICICT-2020) 26-28 February 2020At: Department of CSE, RVS Technical Campus, Coimbatore, India.
4. Nilesh B. Nanda, Ajay Parikh, **“Hybrid Approach for Network Intrusion Detection System using Random forest classifier and Rough Set Theory for Rules generation.”**, International conference on Advance Informatics For Computing Research (ICAICR-2019). June 15-16, 2019, Simala, India, Springer.
5. Rajnikant Pandya, Ajay Parikh, **“Predicting Domestic Electricity Consumption Using Data Mining for Rural Area of Gujarat”**, 3rd International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Dec 20-22, 2018, Bengaluru, India, IEEE Xplore, DOI: 10.1109/CSITSS.2018.8768772
6. A. Parikh, B. Shah and K. Patel, **“A Service-Oriented Collaborative Model for Cattle Health Care System”**, proceeding of Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015), August 10-13, 2015, Kochi, India, IEEE Computer Society, Washington, DC, USA, Page:1352-1356.

7. A. Parikh, K. Belani, and K. Patel, “*ICT Based Cattle Heat Period, Insemination and Fertility Management Model*”. “Proceedings of the 2010 Fourth UKSim European Symposium on Computer Modeling and Simulation (EMS '10). 2010, November 17-19, Pisa, Italy, IEEE Computer Society, Washington, DC, USA, Page: 218-222.DOI=10.1109/EMS.2010.43.

National Conference and Workshop Papers:

1. A. Parikh, “Software Design Pattern for E-governance Solution Framework”, Proceeding of the 4th National Conference , Computing for National Development ,INDIACom-2010, Feb 25-26, Delhi, India, ISBN 987-81-904526-9-4, Page: 43-48.
2. A. Parikh, “Contact Less Vehicle Identification Based on Services Oriented Architecture “, Proceeding of the 3rd National Conference, Computing for National Development, INDIACom-2010, Feb 26-27, Delhi, India, ISBN 987-81-904526-6-3, Page: 101-104.
3. A. Parikh, “E-Governance Solution based on observer Design Pattern”, Proceedings of National Conference on Architecture Future IT System (NCAFIS'08), Oct 17-18, 2008, Indore, India, Page: 29-34.
4. A. Parikh, “Vehicle Information System on Mobile”, Proceeding of National Convention on Strategic Enterprise Management Through Information Technology, BIG-2003, June 10-12, 2003, Visakhapatnam, India, Page 264-269

Articles

1. अजय पारिख, ‘पदयात्रा थी विदेशयात्रा’, (अहेवाल), विधापीठ, जान्युआरी-मार्च-२०११ ११८ थी १२१, ISSN: ०९७६ -५७९४ .

Seminars / Workshops / Training Organized

1. "Workshop On Data Visualization Dashboard for Academic Intelligence and Decision-Making ", Gujarat Vidyapith, 14th to 19th June 2021.
2. “Application of GIS for Agriculture”, KVK Gujarat Vidyapith Sponsored Regional Workshop, Gujarat Vidyapith, 2nd and 3rd December 2019.
3. “Geospatial Technology for Rural Planning and Development”, GUJCOST Sponsored National Workshop, Gujarat Vidyapith, August 28th to September 1, 2017.
4. “R LANGUAGE AND LATEX”, UGC Sponsored, National Workshop, Gujarat Vidyapith, February 18th to 20th, 2016
5. “Exploring Research and its Trends in Computer Science”, UGC Sponsored National Workshop, Gujarat Vidyapith, Ahmedabad, September 15 – 19, 2014.

6. “Software Design Patterns (GOF and J2EE) “, UGC Sponsored Workshop, Gujarat Vidyapith, Ahmedabad, January 9-11, 2014.
7. “Advance PHP “, GVPCSAA Sponsored Workshop, Gujarat Vidyapith, March 12, 2013.
8. “Effective Teaching”, UGC Sponsored workshop, Gujarat Vidyapith, Ahmedabad, March 18-19, 2012
9. “Open-Source Operating System, Linux”, Workshop, Department of Computer Science, Gujarat Vidyapith, Ahmedabad & Electromech Corporation, Ahmedabad, April 04-05, 2011.

Honorary Consultancy Work

1. “Complaint Management System” For Estate Department of Gujarat Vidyapith, Implemented on January 2018.
2. “Forming the Medical informatics policy and Data migration”, Indian Academy of Pediatrics, Computer and Medical Chapter, Ahmedabad, September 2009 to March 2010.

Lectures delivered in Refresher Courses

1. “Social Bookmarking Tools for Education and Research” Refresher Course in Teacher Education (10/09/2018 to 30/09/2018), UGC- Human Resource Development Center, Gujarat University, Ahmedabad, Sept -14th 2018
2. “Reproducible Research Using R Studio”, UGC- Human Resource Development Center, Gujarat University, Ahmedabad, Jun 6th, 2017.
3. “Library Automation Introduction “, Department of Library & Information Science, Gujarat Vidyapith, Ahmedabad, Saurashtra University, Rajkot, June 19, 2001.
4. “Computerization in Gujarat Vidyapith Library, An Experience”, Department of Library & Information Science, Gujarat Vidyapith, Ahmedabad, Saurashtra University, Rajkot, November 21, 2000.

Radio Talk Delivered

1. “SCIENCE SECTION- AN INTERVIEW ON “ARTIFICIAL INTELLIGENCE” , All India Radio Ahmedabad, January 13, 2022.
2. “Phone-In Radio Counseling- CCC”, Dr. Babasaheb Ambedkar Open University, Ahmedabad, November 26, 2011.

3. “Phone-In Program, Computer Courses with IGNOU (CIC, BCA, MCA) discussion in present trends”, IGNOU with All India Radio (AIR), Ahmedabad, January 12, 2001.

TV Talk Delivered

1. “Digital India Skill Development”, DD Girnar, DDK Ahmedabad, July 16, 2015
2. “SATODL Counseling –CCC- Microsoft Word and Excel”, Dr. Babasaheb Ambedkar Open University, Ahmedabad & BISAG, Gandhinagar, July 10, 2005
3. “SATODL Counseling –CCC- Microsoft Word and Excel”, Dr. Babasaheb Ambedkar Open University, Ahmedabad & BISAG, Gandhinagar, July 16, 2005
4. “SATODL Counseling –CIC- 01”, Dr. Babasaheb Ambedkar Open University, Ahmedabad, BISAG, Gandhinagar, March 27-2004

Lectures Delivered (International)

1. “ICT based Cattle Heat period, Insemination and Fertility Management “, SAPIENZA University, Roma, Italy, November 25th, 2010

Lectures Delivered (National/ Local level Programmes)

1. Expert Talk On” Software Design Pattern”, K. S. School of Business Management and Information Technology, Ahmedabad, December 29, 2021.
2. "Workshop On Data Visualization Dashboard for Academic Intelligence and Decision-Making ", Gujarat Vidyapith, Ahmedabad, 14th to 19th June 2021.
3. “Collaborative Approach, Scope and Opportunity”, Application of GIS for Agriculture, Regional Workshop, Gujarat Vidyapith, Ahmedabad, 2nd & 3rd December 2019.
4. આધુનિક શિક્ષણમાં કોમ્પ્યુટરનું મહત્વ અને ઇ-ટુલ્સની સમજ” , Tribal Research and Training Inst., Gujarat Vidyapith, 06th September, 2019.
5. “R Statistical Computing Language for BIG DATA Analytics”, Vimal Tomal Poddar B.C.A. College, Pandesara Surat, March 30th, 2017
6. “Research Proposal Writing” Jointly Organized by Higher Education District – Navsari and Knowledge Consortium of Gujarat, Gandhinagar. July 9-11 2015.

7. “Web 2.0 Educational & Research Tools”, Exploring Research and its Trends in Computer Science, UGC Sponsored, National Workshop, Gujarat Vidyapith, Ahmedabad, September 15 – 19, 2014.
8. “GOF design Pattern & Knowledge Reusability “, Software Design Patterns (GOF and J2EE), UGC Sponsored Workshop, Gujarat Vidyapith, Ahmedabad, January 9-11,2014.
9. “Career Opportunities in Information Technology Industry and Higher Education”, S.M Panchal Science College Talod, Gujarat, February 14, 2012
10. “Software Design Pattern”, Nirma University, Gujarat, Ahmedabad, March 28, 2011
11. “Coping with New Technology in Improving Performance”, Ahmedabad Management Association, Ahmedabad, February 19th,2010
12. “Introduction Software Design Pattern”, Nirma University, Gujarat, Ahmedabad, December 14, 2010.
13. “Green Computing”, Laljibhai Chaturbhai Institute of Technology, Bhandu, India, December 7th, 2009.

Laboratory Development

Created Internet of Things (IoT) Lab and computing infrastructure in collaboration with Gujarat Vidyapith Computer Science Alumni Association for Community.

International Experience

Sr. No	International Conference	Organizer	Research Paper	Role
1.	Computer Modeling and Simulation -2010 - PISA (Italy) Nov - 2010	European Modeling Society, UK	ICT based Cattle Heat period Insemination and fertility Management Model	Participated in the conference and Presented Research Paper.

Faculty Mentor

1.	AICTE-ECI-ISTE CHHATRA VISHWAKARMA AWARDS 2018 “Empowerment of Villages through Technologies”	National	July 2018 to Jan 2019
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2.	The Great Mind Challenge -2007, The National level Program by IBM “The Runner UP” “Vehicle Identification System Using RFID”	National	July 2007 to March 2008
3.	Project Initiative to Nurture Vibrant IT Ecosystem, Software development contest, by IBM and Government of Gujarat “Winner” “Animal Husbandry & Cattle Management System “	State	June 2006 to December 2006
4.	Project Initiative to Nurture Vibrant IT Ecosystem, Software development contest, by IBM and Government of Gujarat “Winner” “Service Cadre Automation”	State	June 2005 to December 2005
5.	Project Initiative to Nurture Vibrant IT Ecosystem, Software development contest, by IBM and Government of Gujarat - Selected for presentation “Document Management System”	State	June 2005 to December 2005

Member, Organizing Committee / Program Committee, International Conferences and Workshops and Reviewer in Journals

1. Member MDADSS Technical Committee (Manuscript Digital Repository Archival Project (MAP) LD Institute of Indology, Ahmedabad. Since 2018
2. Coordinator, SSIP Council Gujarat Vidyapith Since 2018.
3. Member, Program Advisory Committee –School of Computer Sc., Dr. Babasaheb Ambedkar Open University, MSC-IT program 2018.
4. Center Coordinator National Testing Agency, since 2018.
5. UGC Swayam Coordinator, Since Feb 2018, INDIA
6. Member, Technical Program Committee, Global Summit on Computer & Information Technology, 11-13 June, 2015 Sousse, **Tunisia**
7. Member, Technical Program Committee, IEEE International Conference on Computing Communication and Automation (ICCCA2015),15th -16th May, 2015, Uttar Pradesh, India.
8. Member, Technical Program Committee, Global Summit on Computer & Information Technology,14-16 June, 2014 Sousse, **Tunisia**
9. Member, Technical Program Committee 8th International Workshop on Multi-disciplinary Trends in Artificial Intelligence (Springer), MIWAI 2014, December 8-10, 2014, Bangalore, India.

10. Member, Technical Program Committee 6th International Workshop on Multi-disciplinary Trends in Artificial Intelligence (Springer), MIWAI 2012, December 26-28, 2012, Ho Chin Minh City, **Vietnam**.
11. National Co-ordinator, Scientific & Technological Approaches for Sustainable Use of Water Resources Global Indian Scientists and Technocrats Forum (GIST), 2010, Delhi, India

Reviewer of Research Project

Car License plate recognition System (Research Project for Dr.Vikram Sarabhai Award), Gujarat Council on Science and Technology (Gujcost)-Department of Science and Technology, Government of Gujarat, Gandhinagar, April 3, 2008

Membership in Professional and other Bodies

1. Life Member of Analytics Society of India - DCAL - IIM Bangalore
2. Life Member of Computer Society of India
3. Professional Member of (ACM)The Association for Computing Machinery.
4. Life Member of Ahmedabad Management Association.
5. Founder & Life Member of Vigyan Gurjari.
6. Founder Member & Trusty of Gujarat Vidyapith Computer Science Alumni Association

Board of Member & Studies

1. Member, Institute Industry Interaction Center (IIIC), Gujarat Vidyapith, Ahmedabad, Since Jan 2021.
2. Chairman, Board of studies for Department of Computer Science, Gujarat Vidyapith, Ahmedabad, April 2022.
3. Member , Vidyasabha, Gujarat Vidyapith , Ahmedabad. since 2012