CURRICULUM VITAE

Dr. Bhagirath Prashuram Prajapati

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Fields of Research Interest:-

Data mining, Machine Learning, Artificial intelligence, Data science.

Academic Experience:- Total 15 years

Currently Working as I/C Head of Department of Computer Engineering and Associate Professor, A. D. Patel Institute of Technology, New V. V. Nagar, GIDC, Karamsad, 388121.

Education Qualification:-

Education	University/Board	College Name/ School Name	Year of Passing	Class
Ph.D. (Computer Engineering)	Gujarat Technological University	Gujarat Technological University	2019	NA
M.E. (Computer Engineering)	Sardar Patel University	Birla vishvakarma mahavidyalaya	2010	First Class
B.E. (Computer Engineering)	Sardar Patel University	G. H. Patel College of Engineering and Technology	2003	First Class
H.S.C.	G.S.H.E.B.	RPTP Higher secondary	1999	Distinction
S.S.C.	G.S.E.B.	M. U. Patel technical high school	1997	Distinction

Technical Skills:-

Language   : C, ASP.Net with C#, VB.Net,C#.Net and Python
Database   : Microsoft SQL Server, Oracle
Operating Systems : Window XP, MS DOS, LINUX
Subject Taught   :
1. Dot Net Technology
2. Data Mining and business intelligence
3. Object oriented programing
4. Database management
5. Operating systems
6. Windows Programming

Software   :
1. Ms Office
2. Turbo C
3. Visual Studio 2019
4. Prolog
5. MATLAB
6. R Tool

Book Chapter Published:-

1. Prajapati, B. P., & Kathiriya, D. R. (2019). A Hybrid Machine Learning Technique for Fusing Fast k-NN and Training Set Reduction: Combining Both Improves the Effectiveness of Classification. In Progress in Advanced Computing and Intelligent Engineering. Springer, Singapore. 174, 229-240.

Noteworthy UG level projects mentored:-

1. *"Multi agent system for control of road traffic (Mascort)"*, Best project by Dewang Mehta IT awards 2012. Prize money worth 100,000.
2. *"Licence controlled smart car"*, 1st rank project at Gujarat Insdustrial Hackathon 2019 in PSU section. Prize money worth 50,000.

Professional Membership:-

1. Institute of Electrical and Electronics Engineers(IEEE)
2. Indian Society for Technical Education (ISTE)
3. Computer Society of India (CSI)

Member of Editorial Board of Journals:-

1. Chief-in-editor of ADIT journal of engineering since 2010.
2. International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET).
3. International Journal of Scientific Research in Science and Technology (IJSRST).
4. International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT).
5. International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE).
6. International Journal of Scientific Research in Engineering.

Member of Reviewer of Journals:-

1. International Journal of Scientific Research in Engineering.
2. International Journal of Engineering & Technology (Scopus Index).

Expert Lecture Delivered:-

1. Delivered expert lecture on "Design patterns" on 1/9/2014, at KJIT Savli.
2. Delivered expert lecture on "Object oriented programming concepts" on 4/8/2016, at ADIT.
3. Delivered expert lecture on "Career guidance in Microsoft .Net technologies" on 23/8/2016, at ADIT.
4. Delivered a session talk on "Dot net framework" on 6th August 2012, at ISTAR, V.V. Nagar.

University Duties:-

1. Worked as SQUAD Member and External Examiner for GTU- UG and PG Exam.
2. Worked as External Examiner for Charusat University – UG and PG Exam.

Academic administration at ADIT:-

1. ISO 9001:2015 QMS coordinator since October 2019
2. Internal auditor for ISO processes
3. Departmental NBA coordinator
4. Institute NBA coordinator
5. Departmental faculty coordinator of Techticks, state level techy-fest SPECTRUM'17
6. Event co-ordinator of Advance web development workshop, ZERO-15, 8th & 9th April 2015.
7. Project coordinator for final year students
8. Department Training and placement coordinator

External academic services:-

1. Judge for Model making event, 49th Engineers' day, 15th sept 2016 at ADIT
2. Expert for final year project fair summer 2017 at IIET Dharmaj on 31st March 2017
3. Judge in project presentation event on 13th March, 2015 at MBICT

Community Services:-

1. Presiding officer at Anand municipality election, November 2015
2. Presiding officer at Vidhansabha election, December 2017

Self-development activities:-

1. Attended two week FDP on Creativity, Problem Solving and Innovation during November 16-23, 2019, at CHARUSAT.
2. Attended one-day symposium on "Recent advances in IoT with Big-data Analytics using Machine Learning Approach", on 6th Oct 2018, ADIT.
3. Participated in Brainstorming session on "How to Write a research proposal" at ADIT on 25th June 2018 at ADIT.
4. Attended workshop on "Artificial Intelligence and Deep Learning" on 1st – 3rd June, 2018, at Marwadi University, Rajkot.
5. Attended seminar on "MATLAB and Simulink for engineering and research" on 30th June 2018, at Madhubhan, V. V. Nagar.
6. Attended workshop on "Team creativity at workplace" on 28th August 2018, at H. M. Patel Institute, V. V. Nagar.
7. Attended workshop on "Skills for Student Parenting" on 20th September 2018, at H. M. Patel Institute, V. V. Nagar.
8. Pre-conference workshop on "Internet of Things using ARM Cortex M4 Tiva MCU" on 23rd March 2017, ISSP-2017 at GCET, V.V. Nagar.
9. Participated in one day FDP on "Industrial practices on software development" on 25th March 2017, at ADIT.
10. Attended FDP on "Data Analysis Using SAS, MATLAB and SPSS" from 1-5th March, 2016, at College of Agricultural Information Technology, Anand Agricultural University, Anand.
11. Participated in one-day regional workshop on "GIS Technology and Applications" on 21st September 2013, at ISTAR, V.V. Nagar.
12. Attended one-day seminar on "Remote sensing, GIS and its Application", 23rd September 2011, at ADIT.

List of Publications:-

1. Prajapati, B. P., Garg, S., & Chauhan, N. C. (2013). Some Investigations on Machine Learning Techniques for Automated Text Categorization. International Journal of Computer Applications, 71(3), 32-36.
2. Chauhan, I., Puvar, P. D., Prajapati, B. P., & Patel, K. (2014). DETAILED STUDY OF AGGREGATOR FOR UPDATES, International Journal of Research in Engineering and Technology, 03(01), 302-304.

3. Singh, G., Pandya, R., Prajapati, B. P., & Puvar, P. D. (2014). Social Web Data Mining and Knowledge Discovery, International journal of advanced research in computer science and software engineering, 03(04), 1-9.
4. Dhawani, R., Shukla, M., Prajapati, B. P., & Puvar, P. D. (2015). A Novel Approach to Web Scraping Technology, International Journal of Advanced Research in Computer Science and Software Engineering, 05(05), 747-750.
5. Naik, M., Ahir, F., Prajapati, B. P., & Puvar, P. D. (2015). Automated Text Categorization of Advertisemnets, International Journal of Advanced Research in Computer Science and Software Engineering, 05(05), 600-603.
6. Hingu, S., Prajapati, B. P., & Puvar, P. D. (2015). Automatic Image Mosaicing using Harris Corner Detector, International Journal on Recent and Innovation Trends in Computing and Communication, 03(06), 4388-4391.
7. Patel, M., P., Prajapati, B. P., & Puvar, P. D. (2015). Research Directions on Cloud Computing: Infrastructure Cloud and Performance, ADIT Journal of Engineering, 12(01),
8. Prajapati, B. P., & Puvar, P. D. (2016). , Review of Data Mining Techniques and its application areas, ADIT Journal of Engineering, 13(01), 48-52.
9. Prajapati, B. P., & Kathiriya, D. R. (2016). A Novel Framework for Association Rule Mining to observe Crop Cultivation Practices based on Soil type, International Journal of Computer Science and Information Security, 14(09), 523-526.
10. Prajapati, B. P., & Kathiriya, D. R. (2016). Evaluation of Effectiveness of k-Means Cluster based Fast k-Nearest Neighbor classification applied on Agriculture Dataset, International Journal of Computer Science and Information Security, 14(10), 800-807.
11. Prajapati, B. P., & Kathiriya, D. R. (2016). Towards the new Similarity Measures in Application of Machine Learning Techniques on Agriculture Dataset, International Journal of Computer Applications, 156(11), 38-41.
12. Prajapati, B. P., & Kathiriya, D. R. (2016). Reducing execution time of Machine Learning Techniques by Applying Greedy Algorithms for Training Set Reduction, International Journal of Computer Science and Information Security, 14(12), 705-709.
13. Dave, V., Shah, D., Suthar D., Prajapati, B. P., & Puvar, P. D. (2017). Sentiment Analysis of Tourists Opinions of Amusement, Historical and Pilgrimage Places: A Machine Learning Approach, International Journal of Computer Trends and Technology, 46(02), 51-55.

Papers presented in conferences:-

1. Tajpara, D., Patel, M., P., Hingu, S., Prajapati, B. P., & Puvar, P. D. (2017). Novel approach of Virtual reality to Simulate residential buildings and it's interior, SIEICON-2017.
2. Vohra, S., Gohil, A., Shah, P., Prajapati, B. P., & Puvar, P. D. (2017). Crop yielding prediction applying regression: forecasting wheat/rice yield for anand district, SEICON-2017.
3. Kumbhani, S., Mohile, Z., Patel, A., Prajapati, B. P., & Puvar, P. D. (2017). A framework to implement business intelligence tool to optimize output from oil drilling operation, SIEICON-2017.
4. Pradhan N., Thakor M., Dhanani L., B. P. Prajapati., & Puvar, P. D. (2017). Pattern variability analysis of soil parameters of Vadodara district using clustering technique, International conference on intelligent system and signal processing. GCET, V.V. Nagar.