

Jekishan K. Parmar

Career Summary

Dedicated Assistant Professor initially and now also a budding Entrepreneur, with 7+ years of experience in teaching and Masters from Faculty of Technology, DDU, Nadiad, is adept at all aspects of Computer Science, including training, education, software development and research. Excellent analytical, diverse technical, good communication, presentation and leadership skills are highly reflected in his business management and development. Highly effective at multi-tasking with a technical wisdom, along with a talent of quick learning and applying new concepts. Immense research interest in the areas of Underwater Wireless Sensor Network, Next Gen Ad hoc Networks, Blockchain, Internet of Things and Mobile Computing. Good Python Programmer and useful Web Developer with enough experience and exposure to Web Development including deployment and maintenance of websites using WordPress Technology. Apt knowledge of Android Programming also makes him a competent Mobile Application Developer. Involved in his family business firm Aver India Equipment, has assured a very high rate of growth and consistent increase in revenue of the firm by achieving contracts from Government Organizations like Department of Atomic Energy and Airports Authority of India and many more.

Professional Experience

Organization	Designation	From	To
Faculty of Technology, GSFC University, Vadodara	Visiting Assistant Professor	November-2021	Currently Working
Aver India Equipment, Vadodara – Savarkundla	Head of Sales & Technology Impl.	October-2021	Currently Working
Babaria Institute of Technology, BITS Edu Campus, Varnama, Vadodara	Assistant Professor, CSE	March-2015	September-2021
Aver India Equipment, Savarkundla	Technology Supervisor	June-2014	February-2015
Faculty of Technology & Engineering, Charotar University of Science & Technology, Changa	Lecturer, CE	July-2013	May-2014

Education

Qualification	Specialization	School/College/ University	Duration/Completed	CGPA/Percentage
M.Tech	Computer Engineering	Dharmsinh Desai University, Nadiad	July-2012 to May-2014	7.54
B.E.	Information Technology	L. D. College of Engineering, GTU, Ahmedabad	August-2008 to June-2012	8.17
H.S.C.	NA	Ambe Vidyalaya (Eng. Med.), Sama, Vadodara	March 2008	84
S.S.C.	NA	Ambe Vidyalaya (Eng. Med.), Sama, Vadodara	March 2006	90.43

Publications

1. J. K. Parmar and P. P. Kalariya, "Wireless Sensor Network: Analysis of Routing Protocols", International Journal of Advanced Research in Computer and Communication Engg, Vol 3, Issue 2, February 2014, pp. 5504-5509.
2. J. K. Parmar and M. T. Mehta, "Performance Evaluation of NS2 and OMNeT++ Simulators for AODV Protocol in MANET", International Journal of Research in Engineering and Technology, Vol 3, Issue 2, February 2014, pp. 609-615.
3. J. K. Parmar and M. T. Mehta, "Performance Evaluation of Broadcast MAC and ALOHA MAC Protocol for Underwater Wireless Sensor Networks", International Journal of Research in Engineering and Technology, Vol 3, Issue 11, November 2014, pp. 214-220.
4. J. K. Parmar and M. T. Mehta, "A Cross Layered Approach to Improve Energy Efficiency of Underwater Wireless Sensor Network", In Proc. of 4th IEEE Int. Conf. on Computational Intelligence and Computing Research, Coimbatore, Tamilnadu, India, pp. 526-535, December 18-20, 2014. **[WON BEST PAPER IN A TRACK AWARD]**
5. A. B. Desai and J. K. Parmar, "Refactoring Cost Estimation (RCE) Model for Object Oriented Systems", In Proc. of 6th IEEE International Advanced Computing Conference, Bhimavaram, Rajahmundry, Andhra Pradesh, India, February 27-28, 2016.
6. A. B. Desai, J. K. Parmar and S. Chaudhary, "Content Delivery Networks: Technology Survey and Research Challenges", CSI Communications, Vol 40, Issue 1, April 2016, pp. 14-18.

7. A. B. Desai, J. K. Parmar and S. Chaudhary, "Internet of Things: Architecture and Research Challenges ", CSI Communications, Vol 40, Issue 3, June 2016, pp. 21-25
8. J. K. Parmar and A. B. Desai, "IoT: Networking Technologies and Research Challenges", International Journal of Computer Applications, Vol 154, Issue 7, November 2016, pp. 1-6.
9. J. K. Parmar and A. B. Desai, "Feature Extraction in Augmented Reality", In Proc. Of 2nd IEEE Int. Conf. on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, Tamilnadu, India, pp. 2265-2269, March 22-24, 2017.
10. Bharavi Joshi, Kajal Bhagat, Hetakshi Desai, Malvik Patel, Jekishan K. Parmar "A Comparative Study of Toll Collection Systems in India" published at *International Journal of Engineering Research and Development, Volume 13, Issue 11 (November 2017)*
11. Malvik Patel, Bharavi Joshi, Kajal Bhagat, Hetakshi Desai and Jekishan K. Parmar, 2018. IOT BASED TOLL COLLECTION SYSTEM USING IMAGE PROCESSING. International Journal of Computer Engineering & Technology (IJCET).Volume: 9, Issue: 3, Pages:132-139. (June 2018)

Academic Development Activities

- Attended 4th IEEE Int. Conf. on Computational Intelligence and Computing Research, Coimbatore, Tamilnadu, India in December 2014.
- Attended 6th IEEE International Advanced Computing Conference, Bhimavaram, Rajahmundry, Andhra Pradesh, India, February, 2016.
- Attended STTP on IoT & Advances in Embedded Systems at CHARUSAT, Changa in June 2016.
- Attended 2nd IEEE Int. Conf. on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, Tamilnadu, India, March, 2017.
- Attended Faculty Development Program at InfoStretch, Ahmedabad in June 2017.
- Attended One Day R Coordinators' Workshop on R under PMMMNMTT, Government of India organized by Teaching Learning Centre, ICT, IIT Bombay in October, 2019.
- Appointed as Course Coordinator during the one-day blended mode workshop on R conducted by Indian Institute of Technology Bombay, on 09 November 2019 under PMMMNMTT, Government of India.
- Participated in AICTE Recognized Faculty Development Programme on Blockchain Technology in March, 2020 at NITTTR, Chandigarh (Institute managed by MHRD, Government of India).
- Successfully completed the Certificate Course on "Nurturing Innovation and Startup Ecosystem" conducted by i-Hub in association with SSIP, Government of Gujarat under startupIndia Initiative in October, 2020.

Committee and Other Academic Involvements

1. Involved in Developing and Maintaining websites for all the Institutes at BITS Edu Campus as a duty of being a Member of Website Maintenance Committee at BITS Edu Campus. (Since 2016)
2. Worked in Exam Committee for Dept. of CSE at BITS Edu Campus. (2015-16)
3. Department Level Co-Ordinator for National/International Level Hackathon Competition (Since October 2017).
4. G Suite Cloud Admin for all the Institutes at BITS Edu Campus (Since Feb 2017).
5. Member of Department Level NBA Accreditation Committee (Since Jan 2019).
6. Member of Institute Level NAAC Accreditation Committee (Since Nov 2019).
7. Appointed as External Examination Question Paper Setter by P P Savani University, Surat in 2019.
8. Appointed as External Examination Question Paper Setter by Atmiya University, Rajkot in 2020.

Professional Memberships

IEEE Professional Member since 2012 (Membership # 90934858)

Awards & Achievements

1. Successfully completed Certification in C Language at NIIT, Vadodara.
2. Successfully completed Certification in .NET Technology at TOPS, Vadodara.
3. Amul Vidyabhushan Award for achieving first rank in HSC throughout the school.
4. Was offered job for the post of **Junior Software Engineer by Cybage Software Services Ltd., Pune** in Campus Drive conducted at L.D. College Of Engineering, Ahmedabad in August 2011.
5. Stood in Top 15 of PG CET (entrance test for admission to ME/MTech) in Gujarat.
6. Achieved a **score of 414 in GATE 2014 with AIR 8084.**
7. Won Best Paper Award at 4th IEEE ICCIC, Coimbatore, India, December 2014.
8. Deputed as a Mentor for my institute team at Smart India Hackathon-2018.
9. Final Year Project titled "Highway Levy" guided by me was shortlisted among Top 25 Innovations in 9th India Innovation Initiative (Western Region) 2017 organized by CII, MHRD-Govt of India and AICTE at Symbiosis, Pune.

Projects/Application Development

1. Online Job Portal using .NET Technology in final year of B.E.
2. Simulation of AODV Routing protocol in OMNeT++ and NS2 and comparison of their performance in 1st semester of M.Tech.

3. An Instant Messaging Android Application in 2nd Semester of M.Tech.
4. Developed a Fitness Center Management Application (GymApp) for Universal Fitness, Gotri, Vadodara as a freelance project.
5. Developed the Website for Krishna Ayurved Medical College as Web Team Member at BITS Edu Campus.
6. Developed the Website for Bharuch Medical College (PPP Mode) as Web Team Member at BITS Edu Campus.

Thesis (M.Tech)

A Cross Layered Approach to Improve Energy Efficiency of **Underwater Wireless Sensor Networks**.

Subjects Taught

Subject	Course (Semester)	Year
Object Oriented Analysis and Design	M.Tech (I)	2013
Advanced Operating System	B.Tech (VII)	2013
Wireless Communication and Mobile Computing	B. Tech (VII)	2013
Computer Network & Internetworking Layers	B. Tech (VI)	2014
Object Oriented Programming with C++	B. Tech (II)	2014
Computer Organization	B.E. (IV)	2015
Cyber Security	B.E. (V)	2015, 2018, 2019, 2020
Software Testing & Quality	B.E. (VII)	2015
.NET Technology	B.E. (VI)	2016, 2020
Mobile Computing & Wireless Communication	B.E. (VII)	2016, 2017, 2018, 2019, 2020, 2021
Python Programming	B.E. (VIII)	2017, 2018, 2019, 2020
Computer Networks	B.E. (IV)	2017, 2018
Android Programming	B.E. (VIII)	2018, 2019, 2020
Mobile Application Development	B.E. (VII)	2021
IoT Network, Signal & Signal Proc.	B.E. (VII)	2022
IoT Architecture and Protocols	B.E. (V)	2022

Projects Guided

Have successfully guided 50 B.E. projects in various domains like Android, iOS, IoT, ASP.NET MVC, PHP.

IT Skills

1. Programming Languages: C, C++, C#.NET, JAVA, VB.NET, Python, PASCAL, Matlab.
2. IDEs: MS Visual Studio, Eclipse, NetBeans, Android Studio, IDLE, Atom, PyCharm, Anaconda IDE, Jupyter Notebooks.
3. Web: ASP.NET with C# and VB as code-behind, WordPress.
4. Database: Oracle, MS SQL Server, MySQL, Firebase, SQLite.
5. Case Tools: MS Visio, Enterprise Architect, Rational Rose, MS Project.
6. Network Simulators: NS2, NS3, OMNeT++.
7. Data Mining Tools: Weka, EasyNN plus, XLMiner, MS SQL Business Intelligence Studio.
8. Reporting Tools: SAP Crystal Reports, MS SQL Reporting Services.
9. Mobile App Development: Android Studio, Visual Studio
10. Repository and Development Tools: Git and Bitbucket
11. Cloud IDE: PythonAnywhere
12. Other IDEs: Anaconda Jupyter Notebook, PyCharm, IntelliJ

Hobbies

Playing and watching cricket, studying and learning about the Universe and astrophysics, in fact, I have also completed several MOOCs related to Exoplanets, Violent Universe and the Science of Solar System with good percentage on edX and Coursera which are conducted by Harvard University, Australian National University and CalTECH. Apart from this, I am also curious to learn about paranormal activities and reasons behind its occurrence. In my leisure times, I like to listen all types of music in various languages as well as I love travelling, touring and watching movies.