

**Name: Ishan Kiranbhai Rajani**

**Designation – Assistant Professor**

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School: School of Technology



**Research Interest:**

- **Data Science, Data Analytics, Machine Learning**

**Academic Background:**

<b>Degree</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>
<b><u>M. E. (C. E.)</u></b>	<b><u>Computer Engineering</u></b>	<b><u>Gujarat Technological University</u></b>	<b><u>2013</u></b>
<b><u>B. E. (C. E.)</u></b>	<b><u>Computer Engineering</u></b>	<b><u>Saurashtra University</u></b>	<b><u>2011</u></b>

**Professional Experience:**

<b>From date – To date</b>	<b>Period</b>	<b>Position</b>	<b>Organisation</b>
12/07/2023 to till 17/10/2024 and 23/11/2020 to 30/04/2022	<b><u>2 Year 8 months</u></b>	<b><u>Assistant Professor and PG Coordinator</u></b>	<b><u>PIET, Vadodara</u></b>
02/05/2022 to 07/06/2023	<b><u>1 Year 1 month</u></b>	<b><u>Sr. Software Engineer and Deputy Manager</u></b>	<b><u>BGSS Pvt. Ltd., Vadodara</u></b>
26/07/2016 to 04/11/2020	<b><u>4 Years 2 months</u></b>	<b><u>Assistant Professor</u></b>	<b><u>SOU, Ahmedabad</u></b>
21/06/2011 to 30/04/2016	<b><u>4 Years 10 months</u></b>	<b><u>Assistant Professor and PG Coordinator</u></b>	<b><u>DIET, Rajkot</u></b>

**Teaching Engagements:**

<b>Title</b>	<b>Course Code</b>	<b>Class Name</b>	<b>School Name</b>
<b><u>Pattern Recognition</u></b>	<b><u>CSEPR</u></b>	<b><u>7th Sem</u></b>	<b><u>PU</u></b>
<b><u>Data Analytics</u></b>	<b><u>CSEDA</u></b>	<b><u>6th Sem</u></b>	<b><u>PU</u></b>
<b><u>Machine Learning</u></b>	<b><u>CSEML</u></b>	<b><u>6th Sem</u></b>	<b><u>PU</u></b>

<b><u>Web Technology</u></b>	<b><u>CSEWT</u></b>	<b><u>5<sup>th</sup> Sem and 6<sup>th</sup> Sem</u></b>	<b><u>SOU and PU</u></b>
<b><u>OOP with C++</u></b>	<b><u>OOPC</u></b>	<b><u>3<sup>rd</sup> Sem</u></b>	<b><u>PU and DIET</u></b>
<b><u>DBMS</u></b>	<b><u>CSEDBMS</u></b>	<b><u>3<sup>rd</sup> SEM CSE</u></b>	<b><u>PU</u></b>
<b><u>Data Mining and Data Warehousing</u></b>	<b><u>CSEDMDW</u></b>	<b><u>M. Tech CSE</u></b>	<b><u>DIET</u></b>

## **Publications:**

<b>Title</b>	<b>Journal</b>	<b>Year</b>	<b>ISSN/ISBN</b>
Advanced Trends of Heterogeneous Computing with CPU-GPU Integration: Comparative Study	The International Journal of Engineering and Science	2013	2319 – 1813
Performance of Multipath Ring Routing Protocol with Static Implementation in Wireless Sensor Network	International Journal of Engineering Technology, Management and Applied Sciences	2015	2349-4476
Harnessing GPU for achieving Collaborative effects in Non-GPU Processes by Exerting Warp level Programming	International Journal of Engineering Technology, Management and Applied Sciences	2014	2349-4476
Enhancement of advanced scalable method for decomposition and adaptive solution for parallel and distributed environment	International Journal of Advance Engineering and Research Development	2014	2348-6406
Enhancing the Performance of Multipath Ring Routing Protocol with Heterogeneous System in WSN	International Journal for Scientific Research & Development (IJSRD)	2015	2321-0613
Improve Performance of clustering on Cloud Datasets using improved Agglomerative CURE Hierarchical Algorithm	International Journal of Science, Engineering and Technology Research (IJSETR)	2015	2278-7798
A Data Mining Approach for Intrusion Detection System Using Boosted Decision Tree Approach	INTERNATIONAL JOURNA OF ENGINEERING DEVELOPMENT AND RESEARCH (IJEDR)	2015	2321-9939
Improved Adaptive K Nearest Neighbor algorithm using MapReduce	International Journal of Science, Engineering and Technology Research (IJSETR)	2015	2319-8885
Survey of User Interested Data Classification Using Ontology & Statistical Method from RSS feeds	International Journal of Innovative Research In Technology (IJIR)	2016	2349-6002
User Interested Classification Using Ontology & Statistical Method from RSS Feed	International Journal of Advance Research and Innovative Ideas in Education (IJARII)	2017	2395-4396
Lattice Structure with Charm-L to Improve Efficiency of Generating Frequently Closed Item Sets	International Journal for Science and Advance Research in Technology	2017	2395-1052

A Review on Various Classification Algorithm for Acute Kidney Injury Diagnosis Method	International Research Journal of Engineering and Technology (IRJET)	2018	2395-0072
An Improved Algorithm to Predict Recurrence Of Breast Cancer	International Journal Of Advance Research And Innovative Ideas In Education	2018	2395-4396
Rendering the gpgpu activities for acceleration of dynamic thread programming in high performance computing	International Journal of Research and Analytical Reviews	2019	2348-1269

**Awards/Recognitions:**

Academic and Research Excellence Award for 2024 – at Parul Institute of Engineering and Technology, Parul University, Vadodara