


Faculty Profile

Name :	Dr.Ramesh Prajapati	
Date of Birth :	21/03/1984	
Educational Qualifications:		
-Ph.D. (University)	Ph.D in Computer Engineering, Rai University(2013-2017)	
-Master's (University)	M.Tech in Computer Science & Engineering, Jagannath University(2011-2013)	
-Bachelor's(University)	B.E in Information Technology (2004-2007)	
-Any Other:		
Area of Specialization :	Grid Computing, Cloud Computing, Artificial Intelligence, Machine Learning,Networking,Data mining and Web Mining	
Date of Joining (LJIET)	01/06/2020	
Present Position :	Associate Professor	
Contact Details:		
-Address :	Plot No-1163/2,Sector-4B,Gandhinagar-382006	
-Email	dr.rameshprajapati_ljiet@ljinstitutes.edu.in	
-Phone	(R) ---- (M) 9998590139	
Work Experience :	Teaching (11 years) Industrial(2 years) Research & Development(--)	
Subjects taught :		
-Under Graduate level	Computer Programming & Utilization(1st and 2nd Sem),Database Management System(3rd Sem),Data Structure(3rd Sem),Object Oriented Programming with C++(4th Sem),Operating System(4th Sem),Computer network(4th Sem) ,Object Oriented Programming with Java(5th Sem),.Net Technology(6th Sem),Web Technology(6th Sem),Distributed DBMS(7th Sem),Information & Network Security(7th Sem),Web Data Management(8th Sem),Artificial Intelligence(8th Sem)	
-Post Graduate level	Advance Data Structure(1st Sem), Information Security(1st Sem), Artificial Intelligence(1st Sem), Distributed Operating System(1st Sem),Machine Learning(1st Sem) , Distributed Computing and Applications(2nd Sem),Internet Technology(2nd Sem), OOP with Java(2nd Sem), Soft Computing(2nd Sem), Pattern Recognition(3rd Sem),Cloud Computing(3rd Sem),Advance Database(4th Sem), Distributed Database Application System(4th Sem), Semantic Web(4h sem), Soft Computing(4th Sem)	
Area of Specialization in your field	Cloud Computing, Machine Learning, Wireless Sensor Network, Data and Web Mining, Artificial Intelligence	
A brief account of work done by you in the Ph.D.	<p><i>“An Algorithm for Load Balancing In Computational Grid with Fault Tolerance Using Activity Based and CPU Usage Approach”</i></p> <p>The aim of this research work is to implement Back up Manager in Computational Grid and balance the load of application from heavily loaded node to lightly loaded node in Grid computing. By using back up and load balancing technique we can improve performance of grid computing and minimize the execution of application. Objectives are to minimize the total execution time of application. Using these</p>	

	techniques the grid environment is to achieve high performance. Reinforcement director technique that will help in dodging the framework to wind up distinctly out of reach if the focal chief comes up short The main objective of this thesis is to propose an efficient Load Balancing Algorithm for Grid environment and a comparative study of existing load balancing algorithms.
New Technologies /methods developed by you	_____
Scale up and Technology Transfer	-----
Industrial Projects Carried Out : (No.)	-----
Revenue/Royalty earned by the Organization in Indian Rupees	-----
No. Government funded Projects undertaken by you and their total value	_____
Research Guidance :	
-Master's	16
-Guide for PhD	03 (Gujarat Technological University)
Summer/Winter/School/Conference/Workshops attended:	Conference Attended:-03 Workshops attended:-11
Summer/Winter/School/Conference/Workshops Conducted:	Workshops Conducted :-09
Patents taken/applied for:	_____
Publications: No of books: 0 (all international)	
Research Papers : 30 (26 in International Journals, Springer-01, Scopus -03)	
Some of the notable papers are mentioned below:	
<ol style="list-style-type: none"> 1. International Journal of Innovative Technology and Exploring Engineering 2020 Automated Classification using SVM and Back Propagation Learning Technique http://www.ijitee.org/wp-content/uploads/papers/v9i6/C8350019320.pdf 2. International Journal of Engineering and Advanced Technology 2020 Subterranean Insect Based Data Reduction In Web Usage Mining Using K-implies Clustering https://www.ijeat.org/wp-content/uploads/papers/v9i4/D6823049420.pdf 3. International Journal of Scientific & Technology Research 2020 A Survey on Hypervisor Based Virtual Machine Introspection Using Machine Learning 4. International Journal Of Research And Analytical Reviews 2019 An Advance Approach For Anomaly Detection Using Two Tier Clustering Partitioning Algorithm http://www.ijrar.org/IJRAR19K2972.pdf 5. International Journal of Management, Technology And Engineering 2017 A New Algorithm for Load Balancing and Fault Tolerance mechanism in Computational Grid http://www.ijamtes.org/gallery/49.%20ijamtes%20-%20124.pdf 6. International Journal for Scientific Research & Development 2017 Smart and Dynamic Load Balancing Algorithm in Grid Computing Technology http://ijsart.com/Home/IssueDetail/17490 7. Springer Nature Singapore- 2017 An Algorithm for Load Balancing In Computational Grid Using Activity Based and CPU Usage Approach 	

- 8. International Journal for Scientific Research & Development 2017**
An Efficient Collaborative Filtering using New User Similarity Measure for Recommendation
<http://www.ijserd.com/Article.php?manuscript=IJSRDV5I21595>
- 9. International Journal of Innovative Research in Technology 2017**
A friend recommendation in a social bookmarking system using behavioral data mining
http://ijirt.org/master/publishedpaper/IJIRT144131_PAPER.pdf
- 10. International Journal for Innovative Research in Science & Technology 2017**
To Minimize Total Execution Time of Application in Computational Grid with Fault Tolerance Mechanism
https://ijirst.org/C_Article.php?manuscript=SALLTNCSP009
- 11. International Journal of Innovative Research in Technology 2016**
A Comparative Survey Of Collaborative Filtering Similarity Measures Limitations Of Current Similarity And Formalization Of New Similarity Measure
http://ijirt.org/master/publishedpaper/IJIRT144111_PAPER.pdf
- 12. International Journal for Technological Research in Engineering 2016**
Review On Content Based Image Retrieval System
<http://www.ijtre.com/images/scripts/2016030911.pdf>
- 13. International journal of Engineering development and research 2016**
Simulation based Metrics Performance of Real time Scheduling Algorithms
https://www.ijedr.org/viewfull.php?&p_id=IJEDR1602184
- 14. International Journal of Innovative Research in Technology 2016**
A Survey on Friend Recommendation in a Social Bookmarking System
http://www.ijirt.org/master/publishedpaper/IJIRT144131_PAPER.pdf
- 15. International Journal for Technological Research in Engineering 2016**
To Improve The Performance Of Computational Grid Using Fault Tolerant And Dynamic Load Balancing Algorithm For Grid Environment
<http://www.ijtre.com/images/scripts/2016030968.pdf>
- 16. International Journal for Technological Research in Engineering 2016**
A Review On Load Balancing And Different Fault Tolerant Mechanisms In Grid Computing
<http://www.ijtre.com/images/scripts/2015030503.pdf>
- 17. International Journal of Scientific Development and Research 2016**
Web Usage Mining: A Survey on Extracting Knowledge through Web Logs
<http://www.ijedr.org/papers/IJSDR1605091.pdf>
- 18. International Journal of ICT Research & Development (IJICTRD) 2015**
Web Log Mining using Multi Item Sequential Pattern based on PLWAP
<http://www.ijictrd.net/papers/IJICTRDV1I11001.pdf>
- 19. International Journal for Technological Research in Engineering 2015**
An Efficient Routing Mechanism in Manet
<http://www.ijtre.com/images/scripts/2015030412.pdf>

20. International Journal for Technological Research in Engineering 2015

Comparison of Static and Dynamic Load Balancing in Grid Computing

<https://pdfs.semanticscholar.org/8d32/1dff55fe606a2baef419da5ca776d17daf98.pdf>

21. International Journal for Science and Advance Research In Technology 2015

Emerging Trends of Clustering Techniques in Web Usage Mining

<http://ijsart.com/Home/IssueDetail/58.pdf>

22. International Journal of Engineering Research and Management 2014

Different Strategies of Load Balancing In Grid Computing

https://www.ijerm.com/download_data/IJERM010727.pdf

23. International Journal for Scientific Research & Development 2014

Distributed approach for Clock Synchronization Algorithm in WSN

<http://www.ijserd.com/articles/IJSRDV2I3444.pdf>

24. International Journal for Scientific Research & Development 2014

Disaster Tolerance for IAAS built upon open Cloud Platform

<http://www.ijserd.com/articles/IJSRDV2I3444.pdf>

25. International Journal for Scientific Research & Development 2014

Grid Computing with different Fault Tolerant Mechanisms

<http://www.ijserd.com/articles/IJSRDV2I1180.pdf>

26. International Journal Of Engineering Development And Research 2013

A Review Paper on Grid Computing

<https://www.ijedr.org/papers/IJEDR1302013.pdf>

27. International Journal Of Engineering Development And Research 2013

Fault Tolerance Mechanism for Computational Grid

<http://www.ijedr.org/papers/IJEDR1301011.pdf>

28. International Journal of Engineering Research & Technology 2012

Applying Semantic Web Mining Technologies in Personalized E-Learning

<https://pdfs.semanticscholar.org/ac81/347a06759f8fc91f81b128b1fc106d4c1fc5.pdf>

29. International Journal of Engineering Research & Technology 2012

A Survey Paper on Hyperlink Induced Topic Search Algorithms for Web Mining

<https://www.ijert.org/browse/volume-1-2012/april-2012-edition>

30. International Journal of Current Science and Multidisciplinary Research 2012

A Survey of Checkpoint algorithm for Computational Grid

<https://www.yumpu.com/en/document/view/42826480/a-survey-of-checkpoint-algorithm-for-computational-grid-ijcsmr>

Conferences ,Workshops and Seminars

1. Presented paper “To Minimize Total Execution Time of Application in Computational Grid with Fault Tolerance Mechanism” in National Conference on Latest Trends in Networking and Cyber Security (IJIRST) in Mar 2017 at Sal Institute.
2. Presented paper “An Algorithm for Load Balancing In Computational Grid Using Activity Based and CPU Usage Approach” in International Conference on Information and Communication Technology for Competitive Strategies Springer Proceedings Book- LNNS Series in DEC-2017 at Udaipur.

3. Presented paper "A Survey on Hypervisor Based Virtual Machine Introspection Using Machine Learning" In 1st International Conference on Emerging Trends in Engineering and Technology (ICEET-2020) at Rai University.
4. Attended AICTE approved STTP on "ADVANCED COMPUTER NETWORK AND EMERGING AREA". In 2009 At B.S.Patel Polytechnic College, Kherva, Mehsana (Ganpat University)
5. Attended AICTE approved STTP on "WEB DEVELOPMENT & WEB HOSTING" in 2010 at B & B Institute Of Technology (Vallabh Vidyanagar)
6. Attended one day Workshop on "Introduction to Robotics" from IIT Bombay in 2011 at BH Gardi College Of Engineering (Rajkot).
7. Attended STTP on "Emerging Trends in Software Engineering" in 2011 at GIT.
8. Attended "Getting Started with JAVA Using Alice" 1 day workshop in 2013 Conducted by Oracle Academy collaboration with Gujarat Technological University at BISAG, Gandhinagar.
9. Attended "Database Design and Programming with SQL" 5 days workshop in 2013 Conducted by Oracle Academy collaboration with Gujarat Technological University at BISAG, Gandhinagar.
10. Attended "C/C++" 2 days workshop in 2014 Conducted by IIT Bombay at SSESGL,Rajpur .
11. Attended "Android Application Development" 4 days workshop in 2017 Conducted by TOPS Technology, Ahmadabad at Indrashil Institute of Science and Technology.
12. Attended "Entrepreneurship Awareness for the NextGen" 3 days workshop in 2018 Conducted by Indrashil University,Rajpur,Kadi
13. Attended "e-Yantra Lab Setup Initiative (eLSI)" Two Day Workshop in 2019 at Adani Institute of Infrastructure Engineering, Ahmedabad.

Notable Achievements and activity executed:

- **Convener**, GUJCOST sponsored National seminar on "Innovations in E-Learning" on 24th & 25th Feb 2020 at Indrashil University, Rajpur
- **Google Scholar Link**
<https://scholar.google.com/citations?user=F3zeCNMAAAAJ&hl=en&authuser=8>
- **Technical Review Committee member** for ICAESMT19 (International Conference on Advances in Engineering Science Management & Technology 2019), Uttaranchal University, Dehradun, Uttarakhand.
- **Technical Review Committee member** for **IEEE International** Conference on Circuits and Systems in Digital Enterprise Technology.(ICCSDET 2018)
- **Reviewer of Journal of** International Journal for Technological Research in Engineering, International Academy for Science & Technology Education and Research and Global Research and Development Journals.
- **Life time MEMBER** of Indian Society For Technical Education (ISTE)
- **Approved Ph.D. guide** in Pharmacy at GTU, Ahmedabad
- **Board of Members (BoS) in Indrashil University,Rajpur** for approval of syllabus of CSE Branch(2019-2020).
- **Appointed** as a **Single Point of Contact (SPOC)** in between NPTEL and College.
- **Appointed** as an **expert** in **selection committee** for selection of Assistant Professor / lecturer in Degree course

Association with Professional Bodies

Grants Received/Fetched:

Consultancy and Expertise available for industries
