

### Faculty Profile

<b>Faculty Name</b>	Upasana Lakhina
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	Ph.D.(pursuing), M. Tech, B. Tech
<b>Email</b>	upasana.cse@piet.co.in
<b>Area of Interest</b>	Renewable Energy, Microgrids, Machine Learning
<b>Work Experience (Total)</b>	
<ul style="list-style-type: none"> <li>• Teaching</li> </ul>	5 yrs.
<ul style="list-style-type: none"> <li>• Research</li> </ul>	6 yrs.
<ul style="list-style-type: none"> <li>• Industry</li> </ul>	None
<ul style="list-style-type: none"> <li>• Others</li> </ul>	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	Operating System, C Language, Web Engineering, Data Structure, Advanced Data Structure
<b>Membership of Professional Bodies</b>	IEEE Membership
<b>Research Publications</b>	
<ul style="list-style-type: none"> <li>• Research Papers UGC-CARE</li> </ul>	
<ul style="list-style-type: none"> <li>• Research Papers SCOPUS</li> </ul>	
<ul style="list-style-type: none"> <li>• Research Papers WoS/SCI/ABDC</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Publications</li> </ul>	<ul style="list-style-type: none"> <li>• “SQL Injection Attack Detection &amp; Prevention over Cloud Services” International Journal of Computer Science and Information Security (IJCSIS), p.p. 256-261, Vol. 14, No. 4, April 2016, ISSN 1947-5500 © IJCSIS, USA., [Indexing: Google Scholar, Thomson Reuters, ArXiv, CiteSeerX, Cornell’s University Library, Ei Compendex, ISI, Scopus, DBLP, DOAJ, ProQuest, Research Gate, Academia.edu and EBSCO]</li> </ul>

[Url:https://www.academia.edu/25169710/Journal\\_of\\_Computer\\_Science\\_IJCSIS\\_April\\_2016\\_Part\\_I](https://www.academia.edu/25169710/Journal_of_Computer_Science_IJCSIS_April_2016_Part_I).

- “Verification and Identification Approach to Maintain MVCC in Cloud Computing”, 2017 [International Journal of Cloud Applications and Computing \(IJCAC\)](#) 7(4), p.p. 41-59, Vol. 7, Issue 4, October-December 2017, DOI: 10.4018/IJCAC.2017100103 © 2017, IGI Global. [Indexing: Google Scholar, ESCI, INSPEC, ACM Digital Library, JournalTOC’s, Web of Science, ProQuest Computer Science Journals.] <https://www.igi-global.com/article/verification-and-identification-approach-to-maintain-mvcc-in-cloud-computing/188662>.
- “An efficient storage framework design for cloud computing: Deploying compression on de-duplicated No-SQL DB using HDFS”, 2015 1st International Conference on Next Generation Computing Technologies (NGCT), Indexing: Scopus, 4-5<sup>th</sup> Sept. 2015, IEEE, p.p. 55 – 60, Dehradun, 10.1109/NGCT.2015.7375082.Url:[http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7375082&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D7375082](http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7375082&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D7375082).
- “An efficient load balancing algorithm for cloud computing using dynamic cluster mechanism”, 3<sup>rd</sup> international conference on computing for sustainable global development, 16<sup>th</sup>-18<sup>th</sup> March 2016, IEEE, Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), Conference ID: 37465, p.p. 2613-2618, INDIACom-2016, Indexing: Scopus, ISSN: 0973-7529, ISBN: 978-93-80544-20-5. [Url:http://bvicam.ac.in/news/INDIACom%202016%20Proceedings/Main/papers/2415.pdf](http://bvicam.ac.in/news/INDIACom%202016%20Proceedings/Main/papers/2415.pdf).
- “VIP: verification and identification protective data handling layer implementation to achieve MVCC in cloud computing”, Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2016), March 4-5<sup>th</sup>, 2016, Udaipur, Rajasthan, India, Conference Proceedings by ACM – ICPS, Proceedings Volume ISBN No 978-1-4503-3962-9. Paper ID: 66.ISSD.8
- “BFA: Bloom filter concurrency controller automation design”, International Conference on Computing Communication and Automation (ICCCA2016), 29-30<sup>th</sup> April, 2016, Noida, Co-sponsored by: IEEE UP Section.

	<p>Indexing: Scopus, Google Scholar, Paper ID: 506.</p> <ul style="list-style-type: none"> <li>• “MHCaaS: Mobile healthcare Cloud as a Service” in a two-day National Conference on “Advances in Computer Science &amp; Engineering (ACSE) VIVECHNA-2016” held during 29-30<sup>th</sup> April 2016, Kurukshetra University.</li> <li>• Biomedical Data Privacy Enhancement Architecture Based on Multi-Keyword Search Technique. “2018 International Conference on Intelligent and Advanced System (ICIAS)”, 13-14 august 2018, Kuala Lumpur.</li> <li>• Threshold based Load Handling Mechanism for Multi-Agent Micro grid using Cloud Computing. “2018 International Conference on Intelligent and Advanced System (ICIAS)”, 13-14 august 2018, Kuala Lumpur.</li> <li>• Developing A Multi-Agent System in JADE for Microgrids. 2018 IEEE 4th International Symposium On Robotics And Manufacturing Automation (Ieee-Roma2018), 10-12 December, Tamil Naidu, India.</li> </ul>
<b>Book and Chapter Publications</b>	
• Books Authored published by International Publishers	2 Book Chapters
• Books Authored published by National Publishers	
• Publication of Chapter in Edited Books	1
• Editor of Book by International Publishers	2
• Editor of Book by	

National Publishers	
• Translation Work of Book	
• List of Book and Chapter Publications	
<b>Patents</b>	
• Published	NIL
• List of published patent(s)	NIL
• Filed	NIL
• List of filed patent(s)	NIL
<b>PhD Guidance</b>	
• Degree Awarded	Pursuing
• Thesis Submitted	
<b>M.Tech. Guidance</b>	
• Degree Awarded	2016
• Thesis Submitted	2016
<b>Research Project</b>	
• List of Research project	
<b>Consultancy</b>	
• List of Consultancy	
<b>Awards &amp; Honours</b>	
• List of Awards & Honours	Received Award as Judge for 4 Consecutive robotics competition in Universiti Teknologi PTRONAS Malaysia
<b>Invited lectures /</b>	

<b>Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
<ul style="list-style-type: none"> <li>• International (Abroad)</li> </ul>	
<ul style="list-style-type: none"> <li>• International (Within Country)</li> </ul>	
<ul style="list-style-type: none"> <li>• National</li> </ul>	
<ul style="list-style-type: none"> <li>• List of published papers</li> </ul>	
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	2 International Conference
<ul style="list-style-type: none"> <li>• List of Conference/FDP/STTP committee</li> </ul>	ROMA 2018 SCoRed 2019
<b>Social Contributions and Sports</b>	
<ul style="list-style-type: none"> <li>• List of Social Contributions and Sports</li> </ul>	