


## Faculty Profile

<b>Dr. Rajender Kumar</b>		
<b>Designation</b>	Associate Professor	
<b>Qualification</b>	Ph.D, M.Tech, MBA, B.Tech, 03 Years Diploma	
<b>Area of Interest</b>	Vehicular Adhoc networks, Computer Networks, ULP	
<b>Email</b>	<a href="mailto:rajenderkumar.cse@piet.co.in">rajenderkumar.cse@piet.co.in</a>	
<b>Work Experience (Total)</b>	<b>12</b>	
• Teaching	<b>12</b>	
• Research	<b>Nil</b>	
• Industry	<b>Nil</b>	
• Others	<b>Nil</b>	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	<b>B.Tech, M.Tech</b>	
<b>Membership of Professional Bodies</b>	<ul style="list-style-type: none"> <li>• Membership of International Association of Engineers(<b>IAENG</b>), Membership no is. - <b>108389</b></li> <li>• Life time membership from(<b>IACSIT</b>) International Association of Computer Science and Information Technology society, Membership No.: <b>80338594</b></li> <li>• Five years Membership of Computer Science Teacher Association (<b>CSTA</b>), Membership No: <b>3814684</b>.</li> </ul>	
<b>Research Publications</b>	<b>11</b>	
• Research Papers UGC-CARE	<b>06</b>	
• Research Papers SCOPUS	<b>03</b>	
• Research Papers WoS/SCI/ABDC	<b>01</b>	
• List of Publications	<ul style="list-style-type: none"> <li>• Kumar, R., Soni, P., and Mishra, N., (2021), “Analysis of Covid-19 Pandemic Impact” has submitted to Turkish Journal of Physiotherapy and Rehabilitation (TJPR), ISSN: 2651-4451, 32(3), pp. 9611-9617.</li> <li>• Kumar, R., Khanna, D.R., and Kumar, S., (2018), “An Effective Framework for Security and Performance in Intelligent Vehicular Ad-Hoc Network,” Journal of Advanced Research in Dynamical and Control Systems (JARDCS). ISSN: 1943-023X, 10(14-Special Issue), pp. 1504-1507.</li> <li>• Kumar, R., Khanna, D.R., and Kumar, S., (2018), “Deep Learning Integrated Approach for Collision Avoidance in Internet of Things based Smart Vehicular</li> </ul>	

	<p>Networks,” <i>Journal of Advanced Research in Dynamical and Control Systems (JARDCS)</i>. ISSN: 1943-023X, 10(14-Special Issue), pp. 1508-1512.</p> <ul style="list-style-type: none"> <li>• Kumar, R., Khanna, D.R., and Verma, P., (2014), “Middleware Architecture of VASNET and its Review for Urban Monitoring &amp; Vehicle Tracking,” <i>International Journal of Emerging Research in Management &amp; Technology</i>. ISSN: 2278-9359, 3(1), pp. 41-45.</li> <li>• Kumar, R., Khanna, D.R., Verma, P., and Surrender., (2013), “A Proposed work on Node Clustering &amp; Object Tracking Processes of BFOA in WSN,” <i>International Journal of Computer Science &amp; Communication</i>. ISSN: 0973-7391, 4(2), pp. 207-212.</li> <li>• Kumar, R., Khanna, D.R., Verma, P., and Jangra, S., (2012), “A study of diverse wireless networks,” <i>IOSR Journal of Engineering (IOSRJEN)</i>. e-ISSN: 2250-3021. p-ISSN: 2278-8719, 2(11), pp. 01-05.</li> <li>• Kumar, R., Singh, J., and Garg, T., (2013), “A Way to Cloud Computing Basic to multitenant Environment,” <i>International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)</i>, ISSN (Online): 2278-1021, ISSN (Print): 2319-5940. 2(6), pp. 2394-2399.</li> <li>• Kumar, R., Batra, A., and Kumar, A., (2012), “Upright Load Allocation for Cloud Computing via various Performance Options,” International Conference on Recent Advances and Future Trends in Information Technology (iRAFIT2012) Proceedings published in International Journal of Computer Applications® (IJCA), 2011</li> <li>• Kumar, R., Vats, J., and Kumar, A., (2011), “A Comparative Study of Routing Protocols,” <i>International Journal of Computer Science and Information Technologies (IJCSIT)</i> ISSN 0975 – 9646, 2(5), pp. 1962-1964.</li> <li>• Kumar, R., Batra, A., and Kumar, A., (2011), “A Review of Storage and Fault Tolerance Approaches used in Cloud Computing,” <i>International Journal of Computer Science and Information Technologies (IJCSIT)</i>. ISSN 0975-9646, 2(5), pp. 1971-1978.</li> <li>• Kumar, R., Batra, A., and Kumar, A., (2011), “Employing Grid Comparative Strategies in Cloud Computing,” <i>International Journal of Computer Science and Information Technologies (IJCSIT)</i>. ISSN 0975-9646. 2(5). pp. 2246-2253.</li> <li>• Kumar, R., and Verma, P.K., (2010), “A Role of Information Communication Technology and its impact on Health Sector,” <i>International Journal of Advance Research in Computer Science (IJARCS)</i> ISSN 0976 – 5697, 1(2), pp. 122-125.</li> </ul>
<b>Book and Chapter Publications</b>	<b>01</b>
<ul style="list-style-type: none"> <li>• Books Authored published by International Publishers</li> </ul>	<b>01</b>
<ul style="list-style-type: none"> <li>• Books Authored published by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Publication of Chapter in Edited</li> </ul>	<b>01</b>

Books	
<ul style="list-style-type: none"> <li>• Editor of Book by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Translation Work of Book</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Book and Chapter Publications</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Title with Page No.:</b> ICT in health sector: Role of ICT (84 Pages)</li> <li>• <b>Publisher</b> : LAP LAMBERT Academic Publishing, 2012</li> <li>• <b>Printed at</b> : Lexington Kentucky(KY), USA</li> <li>• <b>Language</b> : English</li> <li>• <b>ISBN-10</b> : 3659249149</li> <li>• <b>ISBN-13</b> : 978-3-659-24914-3</li> <li>• <b>Book available:</b></li> <li>• Amazon.com <a href="https://www.amazon.com/ICT-health-sector-Role/dp/3659249149">https://www.amazon.com/ICT-health-sector-Role/dp/3659249149</a></li> <li>• ebay.co.uk <a href="https://www.ebay.co.uk/p/9783659249143-ICT-in-Health-Sector-Rajender-Kumar/1180826173?iid=302647322269">https://www.ebay.co.uk/p/9783659249143-ICT-in-Health-Sector-Rajender-Kumar/1180826173?iid=302647322269</a></li> <li>• Morebook.de <a href="https://www.morebooks.de/store/gb/book/ict-in-health-sector/isbn/978-3-659-24914-3">https://www.morebooks.de/store/gb/book/ict-in-health-sector/isbn/978-3-659-24914-3</a></li> <li>• Bookdepository.com <a href="https://www.bookdepository.com/ICT-health-sector-Rajender-Kumar/9783659249143">https://www.bookdepository.com/ICT-health-sector-Rajender-Kumar/9783659249143</a></li> <li>• ozon.ru <a href="https://www.ozon.ru/context/detail/id/31803269/">https://www.ozon.ru/context/detail/id/31803269/</a></li> <li>• abebooks.co.uk <a href="https://www.abebooks.co.uk/products/isbn/9783659249143?cm_sp=bdp-_-9783659249143-_-isbn10">https://www.abebooks.co.uk/products/isbn/9783659249143?cm_sp=bdp-_-9783659249143-_-isbn10</a></li> <li>• exlibris.ch <a href="https://www.exlibris.ch/de/buecher-buch/english-books/rajender-kumar/ict-in-health-sector/id/9783659249143">https://www.exlibris.ch/de/buecher-buch/english-books/rajender-kumar/ict-in-health-sector/id/9783659249143</a></li> <li>• <b>01 Book chapter</b> Published in <b>Elsevier Publication</b> with Book title “<b>Cognitive Computing for Human-Robot Interaction</b>”  <b>Title of Book Chapter:</b> Vehicular middleware and heuristic approaches for ITS systems of smart cities.  <b>Paperback ISBN:</b> 978-0-323-85769-7  <b>Online Links:</b> <a href="https://www.elsevier.com/books/cognitive-computing-for-human-robot-interaction/mittal/978-0-323-85769-7">https://www.elsevier.com/books/cognitive-computing-for-human-robot-interaction/mittal/978-0-323-85769-7</a>   <a href="https://www.amazon.com/Cognitive-Computing-Human-Robot-Interaction-Sustainable/dp/0323857698">https://www.amazon.com/Cognitive-Computing-Human-Robot-Interaction-Sustainable/dp/0323857698</a></li> </ul>
<b>Patents</b>	<b>Nil</b>
<ul style="list-style-type: none"> <li>• Published</li> </ul>	
<ul style="list-style-type: none"> <li>• List of published patent(s)</li> </ul>	
<ul style="list-style-type: none"> <li>• Filed</li> </ul>	

<ul style="list-style-type: none"> <li>List of filed patent(s)</li> </ul>	
<b>PhD Guidance</b>	
<ul style="list-style-type: none"> <li>Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>Thesis Submitted</li> </ul>	
<b>M.Tech. Guidance</b>	<b>04</b>
<ul style="list-style-type: none"> <li>Degree Awarded</li> </ul>	<ul style="list-style-type: none"> <li>Twinkle Garg, Roll No. 49130(2011-2013) conferred degree of Master of Technology on thesis "<i>Analysis the Performance of Cloud Computing Applications in Multitenant Environment</i>" from KUK University.</li> <li>Garima, Reg. No. 1374063(2014-2016) conferred degree of Master of Technology on thesis "<i>Acoustic channel modelling and simulation for underwater acoustic wireless sensing networks</i>" from KUK University.</li> <li>Sonia Sardana, Reg. No. 1374076(2014-2016) conferred degree of Master of Technology on thesis "Energy efficient target tracking in wireless sensor network" from KUK University.</li> <li>Ravi Kumar, Reg. No. 1374083(2014-2016) conferred degree of Master of Technology on thesis "<i>A comparative analysis of performance metrics of different cloud scheduling techniques</i>" from KUK University.</li> </ul>
<ul style="list-style-type: none"> <li>Thesis Submitted</li> </ul>	
<b>Research Project</b>	
<ul style="list-style-type: none"> <li>List of Research project</li> </ul>	
<b>Consultancy</b>	
<ul style="list-style-type: none"> <li>List of Consultancy</li> </ul>	
<b>Awards &amp; Honours</b>	
<ul style="list-style-type: none"> <li>List of Awards &amp; Honours</li> </ul>	<ul style="list-style-type: none"> <li><b>Inspiration Award</b> from <b>Welingkar Institute Mumbai</b> for getting <b>2<sup>nd</sup> position in problem statement</b> in <b>Smart India Hackathon, 2019</b> held on march 2-3, 2019 at WE School, Mumbai.</li> </ul>
<b>Invited lectures / 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</li> </ul>	

(Within Country)	
<ul style="list-style-type: none"> <li>National</li> </ul>	<b>01</b>
<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	<ul style="list-style-type: none"> <li>Kumar, R., Khanna, D.R., Verma, P., and Jangra, S., (2013), "Comparative Analysis and Study of Topology Based Routing Protocols for Vehicular Ad-hoc Networks," <i>2<sup>nd</sup> National Conference on Advancements in the Era of Multi-Disciplinary Systems (AEMDS-2013) Proceedings Published in ELSEVIER.</i> ISBN: 978-93-5107-057-3, pp. 775-778.</li> </ul>
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	<b>03</b>
<ul style="list-style-type: none"> <li>List of Conference/FDP/STTP committee</li> </ul>	<ul style="list-style-type: none"> <li><b>One-day International conference</b> as Rapporteur &amp; Technical committee member on "<b>Intelligent system: Approaches, Technologies and Networks</b>" held at PIET, on march 29<sup>th</sup>, 2019.</li> <li><b>One-day National Workshop</b> as organizing committee member on "<b>Research Techniques in Science and Engineering</b>" held at HCTM Technical Campus, Kaithal on March 20<sup>th</sup>, 2014.</li> <li><b>One-day National Workshop</b> as organizing committee member on "<b>Research Techniques in Science and Engineering</b>" held at Department of Computer Science and Engineering, HCTM Kaithal on April 30, 2012.</li> </ul>
<b>Social Contributions and Sports</b>	<b>01</b>
<ul style="list-style-type: none"> <li>List of Social Contributions and Sports</li> </ul>	<ul style="list-style-type: none"> <li>1st Position in Boxing at District level competition.</li> <li>Participation in Boxing at State level competition.</li> </ul>