

### **Faculty Profile**

<b>Faculty Name</b>	Dr. Rama
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	Ph.D.,M.Tech,B.Tech
<b>Email</b>	rama@gecnilokheri.ac.in
<b>Area of Interest</b>	Cloud Computing
<b>Work Experience (Total)</b>	15
• Teaching	11
• Research	4
• Industry	-
• Others	-
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	<ul style="list-style-type: none"> <li>• Data Structures</li> <li>• Computer Networks</li> <li>• Discrete Mathematics</li> <li>• Automata, Compiler</li> </ul>
<b>Membership of Professional Bodies</b>	-
<b>Research Publications</b>	5
• Research Papers UGC-CARE	
• Research Papers SCOPUS	1
• Research Papers WoS/SCI/ABDC	4
• List of Publications	Enclosed in Annexure-I
<b>Book and Chapter Publications</b>	Nil
• Books Authored published by International Publishers	
• Books Authored published by National Publishers	
• Publication of Chapter in Edited Books	
• Editor of Book by International Publishers	

• Editor of Book by National Publishers	
• Translation Work of Book	
• List of Book and Chapter Publications	
<b>Patents</b>	Nil
• Published	
• List of published patent(s)	
• Filed	
• List of filed patent(s)	
<b>PhD Guidance</b>	Nil
• Degree Awarded	
• Thesis Submitted	
<b>M.Tech. Guidance</b>	2
• Degree Awarded	2
• Thesis Submitted	-
<b>Research Project</b>	Nil
• List of Research project	
<b>Consultancy</b>	NIL
• List of Consultancy	
<b>Awards &amp; Honours</b>	NIL
• List of Awards & Honours	
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	3
• International (Abroad)	1
• International (Within Country)	2

• National	
• List of published papers	Enclosed in Annexure-II
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	NIL
• List of Conference/FDP/STTP committee	
<b>Social Contributions and Sports</b>	Nil
• List of Social Contributions and Sports	

#### **Annexure-I**

1. Rani, R., & Garg, R. (2022). Reliability Aware Green Workflow Scheduling using  $\epsilon$  -Fuzzy Dominance in Cloud. Complex and Intelligent systems. Elsevier. doi: 10.1007/s40747-021-00609-1
2. Rani, R., & Garg, R. (2021). Pareto based ant lion optimizer for energy efficient scheduling in cloud environment. *Applied Soft Computing*, 113, 107943.DOI: <https://doi.org/10.1016/j.asoc.2021.107943>
3. Rani, R., & Garg, R. (2021). A Survey of Thermal Management in Cloud Data Center: Techniques and Open Issues. *Wireless Personal Communications*, 118(1), 679-713. DOI: <https://doi.org/10.1007/s11277-020-08039-x>.
4. Rani, R., & Garg, R. (2021). Energy efficient task scheduling using adaptive PSO for cloud computing. *International Journal of Reasoning-based Intelligent Systems*, 13(2), 50-58. DOI: <https://doi.org/10.1504/IJRIS.2021.114630>
5. Rani, R., & Garg, R. (2020). Power and temperature-aware workflow scheduling considering deadline constraint in cloud. *Arabian Journal for Science and Engineering*, 45(12), 10775-10791. DOI: <https://doi.org/10.1007/s13369-020-04879-8>

#### **Annexure-II**

1. Arora, G., Maheshwari, P., Aggarwal, S., Garg, R., Rani, R. (2020). Multi-Objective Scheduling Based on Ant Lion Optimizer in Cloud. In: Woungang, I., Dhurandher, S. (eds) 3rd International Conference on Wireless, Intelligent and Distributed Environment for Communication. WIDECOM 2020. Lecture Notes on Data Engineering and Communications Technologies, vol 51. Springer, Cham. DOI: [https://doi.org/10.1007/978-3-030-44372-6\\_14](https://doi.org/10.1007/978-3-030-44372-6_14).
2. Garg, R., Rani, R. (2019). State-of-the-Art Energy-Efficient Thermal-Aware Scheduling in Cloud. In: Fong, S., Akashe, S., Mahalle, P. (eds) Information and Communication Technology

for Competitive Strategies. Lecture Notes in Networks and Systems, vol 40. Springer, Singapore.  
[https://doi.org/10.1007/978-981-13-0586-3\\_](https://doi.org/10.1007/978-981-13-0586-3_).

3. Rani, R., & Garg, R. (2018). Power aware scheduling in cloud using ant colony optimization. *International Journal of Computational Intelligence & IoT*, 1(2).