

Faculty Profile

Faculty Name	Dr. Rama
Designation	Assistant Professor
Qualification	Ph.D.,M.Tech,B.Tech
Email	rama@gecnilokheri.ac.in
Area of Interest	Cloud Computing
Work Experience (Total)	15
• Teaching	11
• Research	4
• Industry	-
• Others	-
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<ul style="list-style-type: none"> • Data Structures • Computer Networks • Discrete Mathematics • Automata, Compiler
Membership of Professional Bodies	-
Research Publications	5
• Research Papers UGC-CARE	
• Research Papers SCOPUS	1
• Research Papers WoS/SCI/ABDC	4
• List of Publications	Enclosed in Annexure-I
Book and Chapter Publications	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	
Patents	Nil
• Published	
• List of published patent(s)	
• Filed	
• List of filed patent(s)	
PhD Guidance	Nil
• Degree Awarded	
• Thesis Submitted	
M.Tech. Guidance	2
• Degree Awarded	2
• Thesis Submitted	-
Research Project	Nil
• List of Research project	
Consultancy	NIL
• List of Consultancy	
Awards & Honours	NIL
• List of Awards & Honours	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	3
• International (Abroad)	1
• International (Within Country)	2

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

Annexure-I

1. Rani, R., & Garg, R. (2022). Reliability Aware Green Workflow Scheduling using ϵ -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. <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. <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. <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. 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_.

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