

Profile

Faculty Name	Dr.Deepak Kumar
Designation	Assistant Professor (CSE)
Qualification	Ph.D, M.Tech, B.Tech
Email	deepak@gecnilokheri.ac.in
Area of Interest	Big Data, Query Optimization
Work Experience (Total)	16
• Teaching	14
• Research	02
• Industry	0
• Others	0
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Compiler Design, Database Management System, operating System, Computer graphics, Computer networks
Membership of Professional Bodies	-
Research Publications	20
• Research Papers UGC-CARE	03
• Research Papers SCOPUS	16
• Research Papers WoS/SCI/ABDC	01
• List of Publications	Enclosed as Annexure-1
Book and Chapter Publications	
• Books Authored published by International Publishers	01
• 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	Enclosed as Annexure-2
Patents	
• Published	03
• List of published patent(s)	Enclosed as Annexure-3
• Filed	
• List of filed patent(s)	
PhD Guidance	
• Degree Awarded	nil
• Thesis Submitted	nil
M.Tech. Guidance	
• Degree Awarded	11
• Thesis Submitted	
Research Project	
• List of Research project	NIL
Consultancy	
• List of Consultancy	NIL
Awards & Honours	nil
• List of Awards & Honours	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	03
• International (Abroad)	
• International (Within Country)	03

• National	
• List of published papers	03
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	

List of Publications: ANNEXURE-1

- Kumar D, “Analyzing the Performance of Nature-Inspired Optimization Algorithms with Modified Grey Wolf Optimization for VM Migration Problems” Wireless Personal Communications. <https://doi.org/10.1007/s11277-023-10564-4> (SCI indexed) <https://link.springer.com/article/10.1007/s11277-023-10564-4>
- Kumar, D., Kumar, S., Bansal, R. “Multi-objective multi-join query optimization using modified grey Wolf optimization” International Journal of Advanced Intelligence Paradigms, 2020, 17(1-2), pp. 67-79. [DOI: 10.1504/IJAIP.2020.10019251](https://www.inderscience.com/info/inarticle.php?artid=108760) (Scopus Indexed) <https://www.inderscience.com/info/inarticle.php?artid=108760>
- Kumar,D., Mehrotra, D., Bansal, R. “Query optimization in crowd-sourcing using multi objective ant lion optimizer” International Journal of Information Technology and Web Engineering, 2019, 14(4), pp.50-63. [DOI: 10.4018/IJITWE.2019100103](https://www.igi-global.com/gateway/article/234750#pnlRecommendationForm) Scopus Indexed <https://www.igi-global.com/gateway/article/234750#pnlRecommendationForm>
- Gaba, S., Singla,S., Kumar, D. “A genetic improved quantum cryptography model to optimize network communication” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-9S, July 2019. <https://www.ijitee.org/portfolio-item/I10400789S19/> (Scopus Indexed)
- Kaur, N., Gupta S.G., Kumar, D. “An Efficient Data Locality System for Big Data Processing Over Distributed Data Centre by Using Scheduling Technique.” Advances and

Applications in Mathematical Sciences Volume 18, Issue 8, June 2019, Pages 651-664 (2019)

https://www.mililink.com/upload/article/396703396aams_vol188_june_2019_a7_p651-664_navneet_kaur_s.c._gupta_and_deeprak_kumar.pdf (Web of Science)

- Kumar,D., Mehrotra, D., Bansal, R. “Metaheuristic policies for discovery task programming matters in cloud computing” 4th International Conference on Computing Communication and Automation ICCCA 2018, 2018, 8777579. <https://ieeexplore.ieee.org/document/8777579>

(Scopus Indexed)

- Kumar,D., Kumar, S., Bansal, R., Singla, P. “A survey to nature inspired soft computing” International Journal of Information System Modeling and Design, 2017, 8(2), pp. 112-133.

<https://www.igi-global.com/article/a-survey-to-nature-inspired-soft-computing/199006>

(Web of Science Emerging Sources Citation Index (ESCI), Scopus Indexed)

- V. Sood, D. Kumar, V. A. Athavale and S. C. Gupta, "Epilepsy Seizure Detection by using Bayesian Optimize Bi-LSTM Model," 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), Waknaghat, India, 2020, pp. 291-296, doi:10.1109/PDGC50313.2020.9315779. <https://ieeexplore.ieee.org/document/9315779>

List of Book and Chapter Publications: Annexure-2

Puneet Kansal, Deepak Kumar “Fundamental Study of Internet and HTML” with Dhanpat Rai & Co. (Pvt) Ltd. Delhi. (ISBN 9788177000818).

Enclosed as Annexure-3

1. Worked on the Invention and patent of “low-k side-wall spacer based inner gate Engineered junctionless silicon nanotube FET.”

Status: Published, Application Number: 202011033495 Date of publication: 04/09/2020

2. Worked on the Invention and patent of “Smart Garbage monitoring system using IOT using Raspberry PI with PI camera.”

Status: Published Application Number: 202011004634 Date of publication: 03/02/2020

3. Worked on the Invention and patent of “Smart Wearables to Prevent Accidents and Environment Hazards”

Status: Published Application Number: 201911042241 Date of publication: 18/10/2019