Dr. Shail Kumar Dinkar

Assistant Professor, Department of Computer Science and Applications, Govind Ballabh Pant Institute of Engineering and Technology (Formerly: Govind Ballabh Pant Engineering College), Pauri Garhwal-246194, Uttarakhand, India.

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EDUCATION

Indian Institute of Technology Roorkee,Roorkee,India   *June,2019*
Ph.D. ,Mathematics and Computer Applications(Under Prof. Kusum Deep)

G.G.S.I.P. University,Dwaraka,New Delhi, India   *Aug,2011*
MTech(information Technology)

U.P. Technical Univeristy,Lucknow,India   *June, 2003*
MCA

C.C.S. University, Meerut, India   *July, 2000*
B.Sc.(Mathematics)

WORK EXPERIENCE

1. **Assistant Professor(Stage-2),** Department of Computer Science and Applications, Govind Ballabh Pant Institute of Engineering and Technology,Pauri Garhwal 246194, Uttarakhand,India.
                                                                (Oct 2016-Present).

2.**Assistant Professor(Stage-1),** Department of Computer Science and Applications, Govind Ballabh Pant Institute of Engineering and Technology,Pauri Garhwal-246194, Uttarakhand, India.
                                                                (Oct 2011- Oct 2016).

3. **Assistant Professor (Senior Scale),** MCA Department, Institute of Technology and Science, Mohan Nagar, Ghaziabad, India.
                                                                (July 2006-2011).

4. **Lecturer,** MCA Department, PDM University, Bahadurgarh, Haryana, India.
                                                                (July 2004-July 2006)

EXPERTISE

- Soft Computing
- Evolutionary Computation
- Optimization Techniques
- Machine Learning
- Deep Learning
- Image Processing

THESIS SUPERVISED

MTech	06
MCA	45
BCA	12

MAJOR AWARDS

1. Got National Scholarship	1993-1995
2. Best Teacher Award(Star Performer)	2011

COURSE DEVELOPMENT

Cryptography and Network Security, Computer Network, Object Oriented programming Using C/C++. (for MCA).

BOOKS/CHAPTERS EDITED

- Editor of Conference proceedings on "Emerging Computing Technologies" by Wisdom Publication, ISBN-978-81-89547-69-1.

- Editor of Conference Proceedings on "Next Generation Technologies for Information Management" by Wisdom Publication.ISBN-978-81-89547-69-1.

- Editor of Conference Proceedings on "Next Generation Computing Technologies" by Wisdom Publication, ISBN-978-81-89547-48-6.

- Editor of Conference Proceedings on "Emerging Technologies and Trends in IT" by Wisdom Publication, ISBN-978-81-89547-48-6

REVIEWER OF JOURNALS

- Swarm and Evolutionary Computation, Elsevier.

- Neural Computing and Applications, Springer.

- Applied Soft Computing, the Official Journal of the World Federation on Soft Computing (WFSC), Elsevier.

- American Journal of Mathematical and Management Sciences. Taylor and Francis.

- Journal of Control Science and Engineering, Hindawi Publisher.

- Assembly Automation, International Journal of Assembly and Management, Emerald Publishing.

RESEARCH PUBLICATIONS

Published in International Journals

1. Dinkar, S. K., & Deep, K. (2017). Opposition based Laplacian Antlion Optimizer. Journal of Computational Science, 23, 71-90. **(SCIE, IF-2.502)**.

2. Dinkar, S. K., & Deep, K. (2018). An efficient opposition based Lévy Flight Antlion optimizer for optimization problems. Journal of Computational Science, 29, 119- 141. **(SCIE, IF-2.502).**

3. Dinkar, S. K., & Deep, K. (2019). Process optimization of biodiesel production using antlion optimizer. Journal of Information and Optimization Sciences, Taylor & Francis. DOI: 10.1080/02522667.2018.1491821. **(ESCI)**.

4. Dinkar, S. K., & Deep, K. (2019). Accelerated Opposition-Based Antlion Optimizer with Application to Order Reduction of Linear Time-Invariant Systems. Arabian Journal for Science and Engineering, 44(3), 2213-2241. **(SCIE, IF-1.518).**

5. Dinkar, S. K., & Deep, K. (2019). Opposition based Antlion Optimizer using Cauchy distribution and its application to data clustering problem. Neural Computing and Applications, Springer. https://doi.org/10.1007/s00521-019-04174-0. **(SCIE, 4.664).**

6. Dinkar, S. K., Ghansela, S. (2013).Efficiency and Green Attributes of Cloud Computing. International Journal of Engineering Research & Technologies (IJERT),Volume 2,Issue1,Jan-2013.

7. Dinkar, S. K., Kumar, H.(2012).Improved Time Aware Incremental PageRanking Using Personalized Link Structure Analysis. International Journal of Computer Science Issues, Vol 9, Issue 6,Nov 2012.

8. Dinkar, S.K., Kumar, H. (2012), "Interaction Information Retrieval and Improved PageRank Algorithm Based on Access Duration of Page" has been published in International Journal of Engineering Research & Technologies(IJERT) in Vol. 2,issue 6,August 2011.

9. Dinkar,S. K. Purwar, R. K.(2011). Time Aware Incremental PageRanking Based on Personalized Link Structure Analysis.International Journal of Research and Reviews in Computer Science(IJRRCS) in Vol. 2, No 2, pp. 383-388, April 2011,Scholars Academy,United Kingdom.

10. Dinkar, S. K.,Verma, P.(2009).Knowledge Discovery in Database: Datamining. IILM Journal of Science, Technology & Management, Vol. 2, Number 1,pp. 36-42,Greater Noida, India.

Presented in Conferences and Published in Proceedings of Conference

1. Dinkar S.K., Deep K. (2019). A Novel CPU Scheduling Algorithm Based on Ant Lion Optimizer. Soft Computing for Problem Solving. Advances in Intelligent Systems and Computing, vol 816, pp. 339-353. Springer, Singapore.

2. Dinkar, S. K. (2009).A Server Based Anti-Phising System. Proceedings of 4th International Conference on Quality, Reliability and Infocom Technology (Trends and Future Directions), pp. 142-146, Springer Publications.

3. Dinkar, S. K. (2010).Search Engine Optimization Using Crawling and Page Rank: A Comparative Study. Proceedings of Confluence-2010 on Next Generation Information Technology Summit, pp. 141-153, Noida, India.

4. Dinkar, S. K. (2008). Web Mining and Knowledge Discovery in Usage Patterns. Proceedings of National Conference on Information Security & Mobile Computing, pp.85- 93, Ghaziabad, India.

5. Dinkar, S. K. (2007) .Semantics of Temporal Databases: A Perspective Approach. National Conference on Organizational Transformation Through Information Technology Issues and Challenges, pp.173-184, Indore, India.

FDP/WORKSHOPS/STC/CONFERENCES/SEMINARS

Details of AICTE Sponsored FDP/Workshops ,Conferences and Seminars

FDP/Workshops/STC

1. Attended QIP sponsored one week short term course on "Multiphase Flow in Miniature systems: Flow Modelling & Application" from 04-06-2018 to 08-06-2018 held at QIP Centre, IIT Roorkee.

2. Attended QIP sponsored one week short term course on "Stochastic Modelling and Optimal Control of Engineering Systems" from 22-05-2017 to 26-05-2017 held at QIP Centre, IIT Roorkee.

3. Attended TEQIP sponsored one week workshop on "Complex analysis, Fourier analysis and Special function" from 06-03-2017 to 10-03-2017 held at department of Mathematics, IIT Roorkee.

4. Attended one day workshop on "Optimization techniques for solving industrial problems" on 15-10-2016 held at department of Mathematics, IIT Roorkee.

5. Attended ten days workshop on "Big Data" from 01-04-2016 to 10-04-2016 held at department of computer science and engineering, IIT Roorkee.

6. Attended one day workshop on "Nature Inspired Optimization Techniques" on 19-03-2016 held at South Asian University, New Delhi.

7. TEQIP sponsored short term course on "Smart Grid Technology", organized by department of Electrical Engineering, G. B. Pant Engineering College, Pauri Garhwal during 22nd – 26th Sep, 2015.

8. TEQIP sponsored short term course on "Smart Grid Technology", organized by department of Electrical Engineering, G. B. Pant Engineering College, Pauri Garhwal during 22nd – 26th Sep, 2014.

9. TEQIP sponsored Short term course on "Pedogagy for Engineering Faculties" at GBPEC Pauri from 04-08 Aug. 2014.

10. TEQIP sponsored short term course on "Advances in Cloud Computing" organized by Department of Computer Science and Application at G. B. Pant Engineering College, Pauri Garhwal, Uttarakhand during 27th – 31st May, 2014.

11. Attended AICTE Sponsored One Week Short Term Course on "Mobile Computing" organized by CEP Centre of IIT Roorkee, Roorkee from 06th Jan 2014 to 10th Jan 2014.

12. Attended AICTE Sponsored One Week Short Term Course on "Advanced Computer Networks" organized by CEP Centre of IIT Roorkee, Roorkee from 2nd Dec 2013 to 06th Dec 2013.

 13. Attended AICTE Sponsored One Week Short Term Course on "Image Processing in Soft Computing Environment" organized by CEP Centre of IIT Roorkee, Roorkee from 26th Nov 2013 to 30th Nov 2013.

14. Attended TEQIP Sponsored One Week Short Term Course on "Eco Technology for Sustainable Development" organized by GBPEC, Pauri from 21st Oct 2013 to 25th Oct 2013 .

15. Attended TEQIP Sponsored One Week Short Term Course on "Green Computing" organized by GBPEC, Pauri from 26th Aug 2013 to 30th Aug 2013.

16. Attended AICTE Sponsored One Week Short Term Course on "Image Processing and Computer Graphics in Scientific Visualization" organized by QIP Centre of IIT Roorkee, Roorkee from 09th July 2012 to 13th july 2012.

17. Attended Staff Development Program entitled "Applications of Advanced Computing Technologies: The Emerging Research Trends " conducted at Ambedkar Institute of Advanced Communication Technologies & Research sponsored by AICTE of two weeks duration from 02nd Jan 2012 to 14th Jan 2012.

18. Attended Staff Development Program entitled "Emerging Trends in Networking Technology, Data Engineering & Information Security" conducted at Ambedkar Institute of Technology sponsored by AICTE of two weeks duration from 18th July 2011 to 29th July 2011.

19. A Faculty Development Programme on Trends & Advances in Wireless, Digital Communication and Next Generation Networks organized on 4-6, August, 2010 at ITS Mohan Nagar, Ghaziabad.

20. A Two-day Faculty Development Programme on Emerging Technologies in Software Engineering, Cyber Assurance & Technology Enhanced Learning was organized at I.T.S., Ghaziabad on 25th & 26th July, 2009.

21. Attended One Week Faculty Development Programme on WIPRO Mission10X at ABES Ghaziabad from 13-17 July , 2009.

22. A Two-day Faculty Development Programme on Enterprise Resource Planning Systems Frontiers was organized at I.T.S., Ghaziabad on 02nd & 03rd August, 2008.

23. Attended a Workshop on "Issues in Component Based Software Engineering and Issues in Test Data Generation" on Tuesday, 08th January 2008. This Workshop was conducted by Prof. (Dr.) Lakshmi Narasimhan, Western Kentucky University, USA.

Conferences

1. Accepted International conference on "Recent Trends in Operational Research and Statistics (RTORS-2017)" held on 28-30 Dec, 2017 at IIT Roorkee.

2. Attended International conference on "Soft Computing for Problem Solving (SocPros-2017)" held on 23-24 Dec, 2017 at IIT Bhubaneswar.

3. Attended National Conference on Emerging ComputingTechnologies-2010(NGCT2010) on 30th October 2010 at ITS Mohan Nagar, Ghaziabad and worked as editor for the conference Proceedings.

4 Attended International Conference on Quality, Reliability and Infocom Technology(ICQRIT)- Trends and Future Directions organized by University of Delhi on December 18-20,2009.

5. Attended National Conference on "Next Generation Technologies and Information management" on 7th November, 2009 organized at ITS Ghaziabad.

6. Attended National Conference on "Next Generation Computing Technologies 2008(NGCT-2008)" on 15th October, 2008 organized at ITS Ghaziabad.

7. Attended National Conference on "Emerging Technologies & Trends in IT 2007 " at India Habitat Center on 06th -07th April,2007 Organized by ITS, Mohan Nagar,Ghaziabad and worked as editor for the conference Proceedings.

Seminars

1. Attended National Seminar on Convergence of information, communication, technology & Education (CICTE-2010)17, April-2010 organized by ITS-Ghaziabad.

2. National Seminar on "Information Security: Emerging Threats and Innovations in the 21 Century" dated 4th April 2009 ITS, Ghaziabad.

3. Attended National seminar on Web Technology (WebTech-09) on 21st Feb 2009 at ITS Ghaziabad.

4. Attended One-day National Seminar on "Impact of Information Technology on Society" was organized at I.T.S., Ghaziabad on Saturday, 09 February 2008.
5. Attended National Seminar ("Knowledge Management and Enabling Technologies") KMET-2007 at ITS Ghaziabad