

Name : Dr. Aseem Kr. Mishra
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- **BIOSKETCH:**

Dr. Aseem Mishra is working as an assistant professor in the department of operations and decision sciences. He earned his Ph.D. from Shiv Nadar University, Greater Noida in the broad area of industrial engineering and management. Prior to that, he received M.Tech. Degree in production and industrial engineering from Thapar University, Patiala, Punjab. His research interests include production scheduling, maintenance planning, quality control, integrated operations planning and numerical optimization.

Dr. Mishra is the recipient of international travel grant awarded by SERB-DST in 2018 for presenting his research at University of Auckland, New Zealand. He has authored several articles which got published in top tier international journals of Elsevier, Springer etc. He has also been awarded with GATE scholarship by MHRD during his M.Tech. programme. He teaches subjects including Operations Management, Statistical Quality Control, Maintenance Management etc.

- **EDUCATION:**

2020 Ph.D. in Industrial Engineering and Management, Shiv Nadar University
2011 M.Tech. in Production and Industrial Engineering, Thapar University
2009 B.Tech. Mechanical Engineering, Uttar Pradesh Technical University

- **AREA OF INTEREST AND RESEARCH**

Production Scheduling
Maintenance Planning
Quality Control
Integrated Operations Planning
Numerical Optimization

- **TEACHING COURSES AND NEW COURSES DEVELOPED**

Operations Management
Statistical Quality Control
Applied Operations Research
Maintenance Management

- **EXPERIENCE**

- Assistant Professor, Operations and Decision Sciences, Birla Institute of Management Technology, Greater Noida, India, December 2020 – Present.
- Assistant Professor, Mechanical Engineering Department, ITS Engineering College, Greater Noida, India, June 2019-November 2020.
- Assistant Professor, Mechanical Engineering Department, Amity University, Noida, July 2012-Aug 2014
- Assistant Professor, Mechanical Engineering Department, Sharda University, Greater Noida, July 2011- June 2012

- **ACADEMIC POSITIONS AND ASSIGNMENTS**

- **PROFESSIONAL ASSOCIATION AND BOARD PARTICIPATION**

- **RECOGNITIONS AND AWARDS**

Recipient of GATE Scholarship in M.Tech. Programme

Recipient SERB-DST travel grant for presenting paper at University of Auckland, New Zealand.

- **RESEARCH FUNDING AND CONSULTING**

- **RESEARCH PAPERS AND WORKING PAPERS**

- **Mishra, A., & Shrivastava, D. (2018).** A TLBO and a Jaya heuristics for permutation flow shop scheduling to minimize the sum of inventory holding and batch delay costs. *Computers & Industrial Engineering*, 124(July), 509–522. <https://doi.org/10.1016/J.CIE.2018.07.049>
- **Mishra, A.K., Shrivastava, D. & Vrat, P (2020).** An opportunistic group maintenance model for the multi-unit series system employing Jaya algorithm. *OPSEARCH*, 57, 603–628. <https://doi.org/10.1007/s12597-019-00422-y>
- **Mishra, A. K., & Shrivastava, D. (2020).** A discrete Jaya algorithm for permutation flow-shop scheduling problem. *International Journal of Industrial Engineering Computations*. 11(3), 415-428 <https://doi.org/10.5267/j.ijiec.2019.12.001>
- **Mishra, A. K., & Shrivastava, D. (2020).** Integration of Production Scheduling and Group Maintenance Planning in Multi-unit System employing TLBO algorithm. *Procedia CIRP*, 93, 949-954. <https://doi.org/10.1016/j.procir.2020.04.049>

- **RESEARCH IN PROGRESS**

- **Aseem K. Mishra, Divya Shrivastava, Devesh Tarasia, Abdur Rahim, “Joint Optimization of Production Scheduling and Group Preventive Maintenance Planning in Multi-Machine Systems”, *Annals of Operations Research*. (Under Review)**

- **CASE REPOSITORY AND PUBLICATIONS**

- **BOOKS, CHAPTERS AND TECHNICAL REPORTS**

- **Mishra A.K.**, Shrivastava D., Bundela B., Sircar S. (2020) An Efficient Jaya Algorithm for Multi-objective Permutation Flow Shop Scheduling Problem. In: Venkata Rao R., Taler J. (eds) *Advanced Engineering Optimization Through Intelligent Techniques*. Advances in Intelligent Systems and Computing, vol 949. Springer, Singapore. https://doi.org/10.1007/978-981-13-8196-6_11

- **Aseem K. Mishra**, Divya Shrivastava & Harsh Gupta. Group Preventive Maintenance Model for multi-component system: A TLBO algorithm based approach. *Recent Advances in Mechanical Engineering*, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-15-8704-7_7 (**Article in Press**)

- **EDITORIAL POSITIONS AND REVIEWS**

- **CONFERENCE, SEMINAR PAPER AND PRESENTATIONS**

- **Aseem Mishra**, Divya Shrivastava, “Integrating Production scheduling and Inventory Decisions in Flow Shop Scheduling Problem”, *1st international and 18th ISME conference on Enabling Sustainable Development in Mechanical Engineering*, (Feb 23rd -25th) 2017 **NIT Warangal, India**.
- **Mishra Aseem**, Shrivastava Divya, Bundela Bhaskar, Sircar Surabhi, “An Efficient Jaya Algorithm for Multi-Objective Permutation Flow-Shop Scheduling Problem”, *International Conference on Advanced Engineering Optimization Through Intelligent Techniques*, August 3rd – 5th, 2018, **NIT Surat, India**.
- **Aseem Mishra**, Divya Shrivastava, “Opportunistic Group Maintenance Policy For Multi-Machine System With Multi-Components”, *Proceedings of 48th International conference on Computers & Industrial Engineering (CIE48)*, Dec (2nd -5th) 2018 **University of Auckland, New Zealand** pp 640-656 Vol 1, ISBN: 978-1-5108-7739-9
- **Aseem K. Mishra**, Divya Shrivastava, Harsh Gupta “Group Preventive Maintenance Model for multi-component system: A TLBO algorithm based approach”, *International Conference on Innovative Technologies in Mechanical Engineering*, (Oct 18-19, 2019) **KIET Group of institutions, Ghaziabad, India**
- **Aseem K. Mishra**, Divya Shrivastava, “Integration of Production Scheduling and Group Maintenance Planning in Multi-unit System employing TLBO algorithm”, *53rd CIRP Conference on Manufacturing Systems* (Jul 1-3, 2020), **North Western University, Chicago, USA**

- **MAGAZINE AND NEWSPAPER ARTICLES**

- **INTERVIEWS AND MEDIA IMPACT**

- **MDP SESSIONS, WORKSHOPS AND TECHNICAL LECTURES**

- **PROFESSIONAL ASSOCIATIONS AND MEMBERSHIPS**

Resume of ...

- **DOCTORAL DISSERTATIONS AND AWARDS**
- **SOCIAL ENGAGEMENT**