Dr Payal Singla

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Address: Bhatinda ,Punjab,India - 151211

Expertise

Humanities, Multidisciplinary

Mathematics

Work experience

1. ### Guru Nanak College, Killianwali 2017 — Present

   Assistant Professor
   Sri Muktsar Sahib

2. ### Govt. Rajindra College, Bathinda 2017 — 2017

   Assistant Professor
   Bathinda

3. ### D.A.V. College, Bathinda 2015 — 2016

   Assistant Professor
   Bathinda

4. ### Baba Farid College of Engineering& Technology, Bathinda 2014 — 2015

   Assistant Professor
   Bathinda

5. ### Multani Mal Modi College, Patiala 2012 — 2014

   Assistant Professor
   Patiala

6. Maharishi Markandeshwar (Deemed to be University) 2011 — 2012

   Research Scholar
   Ambala

Education

1. Ph.D - 2017

   Maharishi Markandeshwar (Deemed to be University)

2. M.Phil - 2011

   Maharishi Markandeshwar (Deemed to be University)

3. M.Sc - 2009

   Khalsa College Patiala

4. Graduation - 2007

   Govt. Ripudaman College Nabha

Honours and Awards

1. M.Phil with distinction - 2011

   MMU Mullana

Publication

1. Calculus-1

   Dr.Payal Singla
   Calculus-1, Volume , Year 2021, Pages

2. 3- Stage Production Scheduling with the Concept of Set-Up Time Including Arbitrary Lags

Dr. Payal Singla , Dr. Deepak Gupta

3. Production problem with the conception of task (Job) block criteria

Dr. Payal Singla , Dr. Deepak Gupta, Sourav

4. Minimization of total waiting time of jobs in nx3 specially structured flowshop scheduling in which processing time with their respective probabilities including transportation time of jobs

Dr. Payal Singla , Dr. Deepak Gupta

5. Sequencing of n jobs on 3 machines with arbitrary lags

Dr.Payal Singla

6. Optimal three stage specially structured flowshop scheduling to minimize the total waiting time of jobs, processing time associated with probabilities

Dr. Payal Singla , Dr. Deepak Gupta

7. COVID-19: General Overview with Mathematical Model

Dr.Payal Singla

8. Specially Structured three stage Flow Shop Scheduling to Minimize the Total Waiting Time of Jobs

Dr. Payal Singla , Dr. Deepak Gupta

9. Optimization of waiting time of jobs in three stage flow shop scheduling models with transportation time of jobs

DEEPAK GUPTA, PAYAL SINGLA, AND SUKHVIR SINGH

10. Sequencing of n jobs on three machines with arbitrary lags

DEEPAK GUPTA, PAYAL SINGLA, AND SOURAV SINGLA1

11. Gender Equality, Women Empowerment and Sustainable Development

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12. Minimization of rental cost

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13. Three Stage Specially Structured Flow Shop Scheduling Models

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14. Branch and Bound Technique

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15. Minimize the Rental Cost in Two Stage Flow Shop Scheduling Problem in Which Set Up Time Separated From Processing Time with Branch and Bound Technique

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16. Two Stage flow shop SCHEDULING PROBLEM Including transportation time and weightage of jobs with branch and bound method

D. Gupta, P. Singla, Sh.Bala
International Journal of Applied Operational Research Islamic Azad University ISSN: 2251-6867 Electronic ISSN: 2251-9432, Volume Vol. 3, No. 4, Year 2013, Pages pp. 1-6

17. A heuristic for two machine open shop specially structured scheduling problem to minimize the rental cost, including job block criteria

Deepak Gupta, Shashi Bala, Payal Singla
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18. Minimization of Elapsed Time in N×3 Flow Shop Scheduling Problem, The Processing Time Associated With Probabilities Including Transportation Time

Dr. Payal Singla , Dr. Deepak Gupta
International Journal of Innovations in Engineering and Technology, Volume , Year 2013, Pages

19. An Heuristic Approach N×3 Flow Shop Scheduling Problem In Which Processing Time Are Associated With Probabilities Including With Transportation Time And Job- Block Criteria

Dr. Payal Singla , Dr. Deepak Gupta
International Journal of Innovations in Engineering and Technology, Volume , Year 2013, Pages

20. N x 2 Flow Shop Scheduling Model Using Branch and Bound Technique, Set up Times are Separated from Processing Times, With Job Block Criterion And Interval Of Non Availability Of Machines

Dr. Payal Singla , Dr. Deepak Gupta
International Journal of Engineering and Innovative Technology (IJEIT) , Volume , Year 2013, Pages

21. Two Stage Flow Shop Scheduling Model with Job Block Criteria and Unavailability of Machines Using Branch& Bound Technique

Dr. Payal Singla , Dr. Deepak Gupta

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22. A New Heuristic Approach for Specially Structured Two Stage Flow Shop Scheduling to Minimize the Rental Cost, Processing Time, Associated With Probabilities Including Transportation Time, and Job Weightage

Dr. Payal Singla , Dr. Deepak Gupta
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23. Optimal Two Stage Flow Shop Scheduling Problem with Branch and Bound Method Including Transportation Time

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24. 3-Stage Specially Structured Flow Shop Scheduling to Minimize the Rental Cost, Set Up Time Separated from Processing Time Including Transportation Time

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26. Heuristic Approach to Minimize the Rental Cost for Specially Structured Two Stage Flow Shop Scheduling Including Weightage of Jobs

Deepak Gupta, ShashiBala, Payal Singla
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Deepak Gupta, Renuka, Payal Singla
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31. Flow Shop Scheduling

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32. Minimizing Rental Cost For Specially Structured Two Stage Flow Shop Scheduling, Processing Time, Setup Time Associated With Probabilities Including Weightage Of Jobs

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33. Branch and Bound Technique for n*3 Flow Shop Scheduling Problem Including Transportation Time and processing time associated with their respective probabilities

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34. Constrained N-Job, 3-Machine Flow Shop Scheduling Problem With Transportation Time

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35. Three Stage Flow Shop Scheduling Problem With Branch And Bound Technique In Which Processing Time Associated With Their Respective Probabilities Including Transportation Time And Break Down Interval

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International Journal of Industrial Engineering & Technology, Volume , Year 2012, Pages

36. Application Of Branch And Bound Technique For Nx3 Flow Shop Scheduling With Breakdown Interval

Dr. Payal Singla , Dr. Deepak Gupta
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41. Two Stage Flow Shop Scheduling Problem With The Help Of Branch And Bound Approach, Processing Time Associated With Probabilities Including Weightage Of Jobs

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42. Nx3 Specially Structured Flow Shop Scheduling To Minimize The Rental Cost Including Job Restrictions and Transportation Time

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47. Optimal Two Stage Open Shop Scheduling , Processing Time Associated With Probabilities Including Transportation Time And Job Block Criterion

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48. Constrained multi-stage flowshop scheduling including transportation time and weights of jobs with break-down interval having job block criteria, the processing time associated with their respective probabilities

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49. Specially structure n-job, 3- machine flow shop scheduling to minimize the rental cost, with job block criteria

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50. Heuristic Approach for Specially Structured Two Stage Flow Shop Scheduling to Minimize the Rental Cost, Processing Time, Set Up Time Are Associated with Their Probabilities Including Transportation Time and Job Weightage,

Dr. Payal Singla , Dr. Deepak Gupta
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51. Application of Branch and Bound Technique for 3-Stage Flow Shop Scheduling Problem with Transportation Time

Deepak Gupta , Payal Singla, Shashi Bala
Industrial Engineering Letters ISSN Number : 2224-6096 2225-0581(e), Volume Vol. 2, No. 1, , Year 2012, Pages PP 1-5

52. Minimize the rental cost for specially structured two stage flow shop scheduling processing time, set up time associated with their probabilities including job block criteria and transportation time

Dr. Payal Singla , Dr. Deepak Gupta
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53. A New Heuristic Approach for Specially Structured Two Stage Flow Shop Scheduling to Minimize the Rental Cost, Processing Time, Associated with Probabilities Including Transportation Time, Job Block Criteria and Job Weightage

Payal Singla,Deepak Gupta
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54. Optimal Two Stage Open Shop Specially Structured Scheduling To Minimize the Rental Cost, processing time Associated with Probabilities including transportation time

Dr. Payal Singla , Dr. Deepak Gupta
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55. Specially Structured Two Stage Flow Shop Scheduling To Minimize The Rental Cost, Processing Time Each Associated With Probabilities Including Weightage of Jobs

Deepak Gupta, ShashiBala, Payal Singla

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Dr. Payal Singla , Dr. Deepak Gupta
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Dr. Payal Singla , Dr. Deepak Gupta, Dr. Shashi Bala
Minimization of rental cost , Volume , Year 2012, Pages

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Payal Singla, Deepak Gupta
International Journal Of Advanced Scientific And Technical Research ISSN:22499954, Volume Vol. 2, No. 2 , Year 2012, Pages pp-92-98

59. ## Optimal Two Stage Flow Shop Scheduling to Minimize the Rental Cost including Job Block Criteria, Set Up Times and Processing Times Associated with Probabilities

Dr. Payal Singla , Dr. Deepak Gupta
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60. ## Application of Branch and Bound Method for Optimal Two Stage Flow Shop Scheduling Problem with Group Job-Restrictions

Dr. Payal Singla , Dr. Deepak Gupta
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61. ## Minimizing Rental Cost For N-Jobs, 2-Machines Flow Shop Scheduling, Processing Time Associated With Probabilities Including Transportation Time And Job Block Criteria,

Dr. Payal Singla , Dr. Deepak Gupta
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