

Profile Page



Name : Dr Kapil Kr. Goyal
Designation : Assistant Professor
Department : Industrial & Production Engg.
Qualification : Ph.D Industrial Engineering (IIT Roorkee, Roorkee)
M.E. Manufacturing Technology (NITTTR, Chandigarh)
B.E. Mechanical Engineering (NIT Kurukshetra)
Address : H. No.: A-501, New Residential Complex
Dr. B R Ambedkar National Institute of Technology,
Jalandhar
Jalandhar, Punjab - 144011
Email : goyalkk@nitj.ac.in
Phone : +918059000377

Research Interests :

1. Design, Planning, Scheduling and Performance optimization of Manufacturing Systems (CMS, FMS, RMS)
2. Non conventional manufacturing processes
3. Multiple objective optimization, Decision Science
4. Nature inspired optimization algorithms, Artificial neural networks

Other Profile Links :

Google Scholar Link :

Dr. Kapil Kumar Goyal [Click Here](#)

Journal Publications :

Year	Journal	Publication
2017	Journal of Vibration Engineering & Technologies, 5(6), 547-556 (SCI, Springer, IF-0.615)	Improved Suspension Design of Indian Railway General Sleeper ICF Coach for Optimum Ride Comfort
2016	International Journal of Advanced Manufacturing Technology, 84(5), 1587-1600 (SCI, Springer, IF-2.6)	Design of reconfigurable flow lines using MOPSO and maximum deviation theory
2016	International Journal of Machining and Machinability of Materials, 18(4), 392-411 (Scopus, Inderscience)	Investigation of wire electrical discharge machining of ZrSiO ₄ P/Al 6063 MMC

2013	Journal of Manufacturing Systems, 32(4), 724-730 (SCI, Elsevier, IF-3.69)	A Novel Methodology to Measure the Responsiveness of RMTs in Reconfigurable Manufacturing System
2013	International Journal of Production Research, 51(6), 1762-1776, (SCI, Taylor & Francis, IF-2.62)	A Comprehensive Approach to Operation Sequence Similarity Based Part Family Formation in the Reconfigurable Manufacturing System
2013	International Journal of Simulation Modelling, 12(1), 17-26 (SCI, IF-1.94)	Applying swarm intelligence to design the reconfigurable flow lines
2012	International Journal of Production Research, 50(15), 4175-4191 (SCI, Taylor & Francis, IF-2.62)	Optimal configuration selection for reconfigurable manufacturing system using NSGA II and TOPSIS

Events Organized :

Category	Type	Title	Venue	From	To	Designation
TEQIP-III Sponsored STC	National	Effective research proposal and paper writing	Dr. B R Ambedkar National Institute of Technology, Jalandhar	20th December, 2019	24th December, 2019	Course Coordinator
International Conference	International	17th International Conference on International Conference on Humanizing work and work Environment - HWWE-19	Dr. B R Ambedkar National Institute of Technology, Jalandhar	8th November, 2019	10th November, 2019	Convener
Conference	International	International Conference on Production and Industrial Engineering	Dr. B R Ambedkar National Institute of Technology, Jalandhar	8th June, 2019	10th June, 2019	Convener
TEQIP-III Sponsored STC	National	Industrial Engineering and Future Factory	Dr. B R Ambedkar National Institute of Technology, Jalandhar	14th August, 2019	18th August, 2019	Course Coordinator
TEQIP-III Sponsored STC	National	Recent tools and techniques for research	Dr. B R Ambedkar National Institute of Technology, Jalandhar	25th January, 2019	29th January, 2019	Course Coordinator

Professional Affiliations :

Designation	Organization
Life Member (255705)	International Association of Engineers
Life Member (LM 130234)	The Indian Society for Technical Education
Senior Member (SMIIE-11232[99])	Indian Institution of Industrial Engineering
Fellow (F-1264768)	The Institution of Engineers (India)

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
--------------	----------------	--------	------	---------------

Mr. Jatinder Singh	Manufacturing System planning and optimization	Ongoing	2019	Dr Rakesh Kumar
--------------------	--	---------	------	-----------------

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Mr Namendra Singh	Identification of critical parameters for FMS using multi criteria decision making approach	Completed	2019	--

Admin. Responsibilities :

Position Held	Organization	From	To
Deputy Chief Warden	Dr. B R Ambedkar National Institute of Technology, Jalandhar	13-08-2019	till date
Warden (Boys Hostel-1)	Dr. B R Ambedkar National Institute of Technology, Jalandhar	29-01-2019	till date
Nodal Officer (Buddy Program-Anti Drug Campaign)	Dr. B R Ambedkar National Institute of Technology, Jalandhar	16-10-2018	till date
NSS Group Coordinator	Dr. B R Ambedkar National Institute of Technology, Jalandhar	25-10-2018	till date
Assistant Training Officer	Dr. B R Ambedkar National Institute of Technology, Jalandhar	30-05-2019	till date