

Profile Page



Name : Dr Om Prakash Verma

Designation : Assistant Professor Grade-i

Department : Instrumentation & Control Engg.

Qualification : Ph.D. In discipline of Control and Instrumentation (IIT Roorkee)
M.Tech Control and Instrumentation (Dr B R Ambedkar NIT Jalandhar)
B.E. Electronics and Instrumentation (Dr B R Ambedkar University Agra)

Address : Room No: 509F, 5th Floor, Department of Instrumentation & Control Engineering
Dr. BR Ambedkar NIT Jalandhar
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Research Interests :

#Machine/Deep/Quantum Learning for Computer Vision;
#Unmanned System Technology and Navigation;
#Applied Soft Computing & Optimization Techniques;
#Nonlinear process design, integration, control and optimization;
#Renewable Energy (waste to Bio-fuel).

Other Profile Links :

Google Scholar Link :

Dr Om Prakash Verma [Click Here](#)

Personal Web Link :

Profile link [Click Here](#)

ORCID [Click Here](#)

IRINS Instance of NITJ (VIDWAN) [Click Here](#)

Scopus [Click Here](#)

YouTube [Click Here](#)

Journal Publications :

Year	Journal	Publication
2022	Evolutionary Intelligence, Springer. (Accepted, SCOPUS-Indexed)	Himanshu Gupta and Om Prakash Verma. "Vaccine Hesitancy in the Post-Vaccination COVID-19 Era: A Machine Learning and Statistical Analysis Driven Study",
2022	Chemical Engineering Technology, Wiley Online Library. (SCI indexed with IF 1.728)	Smitarani Pati, Om Prakash Verma, Raj Kumar Arya, Anurag Kumar Tiwari. Transient Modeling and Simulation of Multiple Stage Evaporator in Paper Industry,
2022	Results in Control and Optimization, Elsevier. (SCOPUS-Indexed)	Nikhil Pachauri, Drishti Yadav, Om Prakash Verma, Tarun Kumar Sharma, Chang Wook Ahn. Closed Loop Fractional Order Drug Delivery Control Scheme for Chemotherapy
2022	Arabian Journal for Science and Engineering, Springer (SCI indexed with IF 2.334)	Goel, A., Manik, G., Verma, O.P.. Designing a robust analytical model of a parabolic trough solar collector through in-depth analysis of convective heat transfers,
2022	Korean Journal of Chemical Engineering 39, no. 2 (2022): 284-305.	Goel, Anubhav, Gaurav Manik, and Om Prakash Verma. "Combinatorial and geometric optimization of a parabolic trough solar collector."
2022	Materials Today: Proceedings, Elsevier	Venkata Sai Rama Pramod Akula, Kapil Kumar Goyal, Om Prakash Verma, Neeraj Sharma, 2022. "Low-cost azimuth and elevation antenna rotator for LEO satellite tracking
2022	Evolutionary Intelligence, Springer (SCOPUS-Indexed)	Dawit Kiros Redie, Abdulhakim Edao Sirko, Tensaie Melkamu Demissie, Semagn Sisay Teferi, Vimal Kumar Shrivastava, Om Prakash Verma, Tarun Kumar Sharma, 2021. Diagnosis of COVID-19 using Chest X-ray Images based on Modified DarkCovidNet Model
2021	Electronics, Vol. 10(2), MDPI. (SCI indexed with IF 2.412).	Himanshu Gupta, Saurav Kumar, Drishti Yadav, Om Prakash Verma, Tarun Kumar Sharma, Chang Wook Ahn, Jong-Hyun Lee, 2021 "Data Analytics and Mathematical Modeling for Simulating the Dynamics of COVID-19 Epidemic—A Case Study of India"
2021	Asia-Pacific Journal of Chemical Engineering, Wiley	Verma, Om Prakash; Yadav, Drishti; Pati, Smitarani; Kumar, Saurav; Gupta, Himanshu; Pachauri, Nikhil, 2021 "Water cycle algorithm tuned robust fractional-order Proportional–Integral–Derivative controller for energy optimization and control of nonlinear Multiple Stage Evaporator: A case study of paper mill"
2021	Journal of Cleaner Production, Vol. 333, Elsevier (SCI indexed with IF 9.297)	Smitarani Pati, Om Prakash Verma. Integration of solar field with multiple stage evaporator to sustain eco-energy in pulp and paper plant
2021	Multimedia Tools and Applications, Springer. (Accepted in Press; SCI indexed with IF 2.757)	Saurav Kumar, Drishti Yadav, Himanshu Gupta, Mohit Kumar, Om Prakash Verma. Towards Smart Surveillance as an Aftereffect of COVID-19 Outbreak for Recognition of Face Masked Individuals using YOLOv3 Algorithm
2021	Int J Syst Assur Eng Manag (2021) Springer. (Emerging Sources Citation Indexed and SCOPUS-Indexed).	Drishti Yadav, Tarun Kumar Sharma, Varun Sharma, Om Prakash Verma. Optimizing the energy efficiency of multiple effect evaporator house using metaheuristic approaches.
2021	Energy, 122162, Elsevier, ISSN 0360-5442 (SCI indexed with IF 7.147)	Smitarani Pati, Om Prakash Verma. Energy Integration of Solar Assisted Multiple Stage Evaporator and Optimum Parameter Selection,
2021	Multimedia Tools and Applications, Springer. (SCI indexed with IF 2.757)	Saurav Kumar, Himanshu Gupta, Drishti Yadav, Irshad Ahmad Ansari, Verma, O.P., 2021. YOLOv4 Algorithm for the real-time detection of fire and personal protective equipments at construction sites,

2021	Int J Syst Assur Eng Manag (2021) Springer. Emerging Sources Citation Indexed and SCOPUS-Indexed	Begum, K.G., Verma, O.P. & Pachauri, N. 7. Begum, K.G., Verma, O.P. & Pachauri, N. Modified H2 optimal PI tuning method for first order time delay systems.
2021	Multimedia Tools and Applications, Springer. (SCI indexed with IF 2.757)	8. Gupta, H., Verma, O. P., Monitoring and Surveillance of Urban Road Traffic Using Low Altitude Drone Images: A Deep Learning Approach
2021	Int J Syst Assur Eng Manag. Springer. (Emerging Sources Citation Indexed and SCOPUS-Indexed)	Sharma, V., Sharma, S., Verma, O.P., Bhardwaj, B., Sharma, T. K., Pachauri, N., 2021. Prediction and optimization of abrasive wear loss of ultrahigh strength martensitic steel using response surface methodology Harris Hawk and artificial neural network
2021	Complex & Intelligent Systems, Springer. (SCI indexed with IF 4.297)	Gupta, H., Varshney, H., Sharma, TK., Pachauri, N., Verma, O. P., Comparative performance analysis of quantum machine learning with deep learning for diabetes prediction.
2021	Korean Journal of Chemical Engineering, Springer. (SCI indexed with IF 3.309)	Yadav, D., Kumar. S, Verma, O. P., Pachauri, N., Sharma, V. Approximate Solution of Non-linear Dynamic Energy Model of Multiple Effect Evaporator using Fourier series and Metaheuristics.
2021	International Journal of Green Energy, Taylor & Francis. (SCI indexed with IF 2.459)	Verma, O. P., and Pati, S. Performance Optimization of Multiple Stage Evaporator using Interior-Point Method and Metaheuristic Approaches in Environment of Real-Time Plant Complexities.
2021	The Journal of Supercomputing, pp.1-56. (SCI indexed with IF 2.474).	14. Chaurasia, N., Kumar, M., Chaudhry, R. and Verma, O.P., 2021. Comprehensive survey on energy-aware server consolidation techniques in cloud computing.
2021	Electronics 2021, 10, 127. https://doi.org/10.3390/electronics10020127 (SCI indexed with IF 2.408)	Gupta, H.; Kumar, S.; Yadav, D.; Verma, O.P.; Sharma, T.K.; Ahn, C.W.; Lee, J.-H. Data Analytics and Mathematical Modeling for Simulating the Dynamics of COVID-19 Epidemic—A Case Study of India.
2021	Electronics 2021, 10(1), 14; (SCI indexed with IF 2.408)	Kumar, S., Yadav, D., Gupta, H., and Verma, O. P., Ansari, I. A., Ahn, C. W. A novel YOLOv3 Algorithm-Based Deep Learning Approach for Waste Segregation: Towards Smart Waste Management.
2020	Electronics, Vol. 10, MDPI. (SCI indexed with IF 2.412).	Saurav Kumar, Drishti Yadav, Himanshu Gupta, Om Prakash Verma, Irshad Ahmad Ansari, Chang Wook Ahn. "A Novel YOLOv3 Algorithm-Based Deep Learning Approach for Waste Segregation: Towards Smart Waste Management"
2020	Neural Computing & Applications, Springer. (SCI indexed with IF 4.774).	Pati, S., Yadav, D., and Verma, O. P., 2020. "Synergetic Fusion of Energy Optimization and Waste Heat Re-utilization Using Nature Inspired Algorithms: A Case Study of Kraft Recovery Process"
2020	Heliyon Volume 6, Issue 7, July 2020	Drishti Yadav and Om Prakash Verma "Energy optimization of Multiple Stage Evaporator system using Water Cycle Algorithm"
2019	Renewable & Sustainable Energy Reviews, Elsevier (Impact Factor: 12.348)	Verma, O. P., Sethi, S., Manik, G., "A comprehensive review of renewable energy source on energy optimization of black liquor in MSE using steady and dynamic state modeling, simulation and control"
2019	International Journal of System Assurance Engineering and Management, pp 1–11	Kumar, V; Parida, M. K.; Verma, O. P., "Evaluation of power sources and the effect of varying current in SMAW process"
2018	DESALINATION AND WATER TREATMENT (Impact Factor: 1.234)	Rajesh Mahadeva, Gaurav Manik, Om Prakash Verma, Shishir Sinha. "Modelling and simulation of Desalination Process using Artificial Neural Network: A review"
2017	Energy, Vol. 129, pp. 148-157 (Impact Factor: 6.082)	Verma, O. P., Mohammed, T.H., Mangal, S, and Manik, G., 2017. Minimization of Energy consumption in Multi-Stage Evaporator System ofKraft Recovery Process with Interior-Point Method.

2017	Korean Journal of Chemical Engineering, Vol. 34, Issue 10, pp 2570–2583, Springer. (Impact Factor: 2.690)	Verma, O. P., Manik, G., and Mohammed, T.H, 2017. Energy management in multi stage evaporator through a steady and dynamic state analysis.
2017	Sustainable Computing, Informatics and Systems, Elsevier Journal (Impact Factor: 2.798)	Verma, O. P., Manik, G., and Kant, S., 2017. Minimization of energy consumption in multiple stage evaporator using Genetic Algorithm.
2017	Journal of computational science, Elsevier journal (Impact Factor: 2.644)	Verma, O. P., Manik, G., and Jain, V. K., 2017. Simulation and control of a complex nonlinear dynamic behavior of multi-stage evaporator using PID and Fuzzy-PID controllers.
2017	Transactions of the Institute of Measurement and Control (Impact Factor: 1.649)	Verma, O.P., Mohammed, T.H., Mangal, S. and Manik, G., 2017. Modeling, simulation and control of the dynamics of a Heptads' effect evaporator system used in the Kraft recovery processes.
2017	International Journal of System Assurance Engineering and Management, Springer, 2017, Volume 8, Issue 1, pp 63–78.	Verma, O. P., Manik, G., and Kant, S., 2016. Solution of SNLAE model of backward feed multiple effect evaporator system using genetic algorithm approach.
2016	International Journal of System Assurance Engineering and Management, Springer, pp.1-20.	Verma, O. P., Mohammed, T.H., Mangal, S. and Manik, G., 2016. Optimization of steam economy and consumption of heptad's effect evaporator system in Kraft recovery process.
2016	International Journal of control theory and applications. Vol. 9 (11), pp. 5287-5300.	Verma, O. P., Mohammed, T.H., Mangal, S. and Manik, G., 2016. Modeling the Dynamics of Heptads' Effect Evaporator System in the Kraft Recovery Processes.
2012	International Journal of Computer, Information, Systems and Control Engineering, 6(9).	Verma, O. P., Singla, R. and Kumar, R., 2012. Intelligent Temperature Controller for Water Bath System.

Conference Publications :

Year	Conference	Publication
8-9 April 2016	Shannon 100, 3rd International Conference on Computing Sciences, 8-9 April 2016.	Verma, O.P., Mohammed, T.H., Mangal, S. and Manik, G. Modeling the Dynamics of Heptads' Effect Evaporator System in the Kraft Recovery Processes.

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
SCOPUS-Indexed	Issues and Challenges Related to Privacy and Security in Healthcare Using IoT, Fog, and Cloud Computing.	Advanced Healthcare Systems: Empowering Physicians with IoT? Enabled Technologies, pp.21-32.	Raj, H., Kumar, M., Kumar, P., Singh, A. and Verma, O.P., 2022. https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119769293.ch2 (SCOPUS-Indexed)	Print ISBN:9781119768869 Online ISBN:9781119769293	2022
Scopus	Protecting ECG Signals with Hybrid Swarm Intelligence Algorithm	Springer, Singapore	Kirar, A., Bhalerao, S., Verma, O.P. and Ansari, I.A.,		2022

SCOPUS-Indexed	Chapter 6: A Deep Learning Based Food Detection and Classification, Computational Intelligence based Solutions for Vision Systems	IOP Press.	Bhan Singh, Divyanshu, Mayur Kashyap, Himanshu Gupta, Om Prakash Verma		2021
(SCOPUS-Indexed)	Towards the real-time control of Nonlinear Multiple Stage Evaporators: Design of IMC with process delay.	Springer Singapore.	Nikhil pachauri, Drishti Yadav, Varun Sharma and Om Prakash Verma		2021
SCOPUS-Indexed	Auto-Text competition framework to improve online conversation	Springer Singapore	Vishal Rajput, Om Prakash Verma and Irshad Ahmad Ansari		2021
SCOPUS-Indexed	Towards the real-time control of Nonlinear Multiple Stage Evaporators: Design of IMC with process delay	Springer, Singapore	Nikhil pachauri, Drishti Yadav, Varun Sharma and Om Prakash Verma		2021
SCOPUS-Indexed	Automatic Vehicle Detection from Satellite Images using Deep Learning Algorithm	Springer, Singapore	Himanshu Gupta, Parul Jindal and Om Prakash Verma		2021
SCOPUS-Indexed	Semantic Segmentation of Retinal Blood Vessel with Auto encoders	Springer, Singapore	Hirdesh Varshney, Utpal Kant, Himanshu Gupta, Om Prakash Verma, Tarun Kumar Sharma and Irshad Ahmad Ansari		2021
SCOPUS-Indexed	Real-Time Wildfire Detection via Image-Based Deep Learning Algorithm	Springer, Singapore	Parul Jindal, Himanshu Gupta, Nikhil pachauri, Varun Sharma, and Om Prakash		2021
SCOPUS-Indexed	Optimization of Energy Efficiency of Multiple Stage Evaporator using ABC Algorithm	Springer, Singapore	Smitarani Pati, and Om Prakash Verma		2021
SCOPUS-Indexed	Nonlinear Mathematical Modeling of Multiple Stage Evaporator Amalgamated with Thermo-Vapor Compressor	Springer, Singapore	10. Smitarani Pati, Om Prakash Verma, and Varun Sharma		2021
SCOPUS-Indexed	Generalized Mathematical modeling of MEE for calculation of steam efficiency and steam consumption.	In Proceedings of Third International Conference on SoCTA 2018. , pp. 1303-1314.; Springer Singapore	Smitarani Pati, Drishti Yadav, Gaurav Manik, Rajesh Singla Singla and Om Prakash Verma	978-981-15-0751-9	2020

SCOPUS-Indexed	Modelling of reverse osmosis desalination process using PSO-ANN prediction technique.	Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. pp. 1209-1219.	Rajesh Mahadeva, Gaurav Manik, Om Prakash Verma, Anubhav Goel and Sanjeev Kumar	978-981-15-0751-9	2020
SCOPUS-Indexed	Development of Disaster Management and Awareness System using Twitter Analysis: A Case study of 2018 Kerala Floods.	In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. pp. 1165-1174.	Saurabh Wani, Drishti Yadav and Om Prakash Verma	978-981-15-0751-9	2020
SCOPUS-Indexed	A New System Approximation based Approach for Modelling of DC-DC Converter.	In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. pp. 1363-1372.	Afzal Sikander, Shiv Sagar, Om Prakash Verma, S. Sathiya, Varun Sharma and Suneel Dutt	978-981-15-0751-9	2020
SCOPUS-Indexed	A Monte-Carlo Simulation Study of the Angular Correlations by using Z+Jets events at center of mass energy of 14 TeV.	In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. pp. 1291-1302.	Monika Bharti, Varun Sharma, Afzal Sikander, Om Prakash Verma and Suneel Dutt	978-981-15-0751-9	2020
SCOPUS-Indexed	Investigation of Filter Bank Multi-Carrier aided OFDM system.	In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. pp. 471-478.	Anand Agrawal and Om Prakash Verma	978-981-15-0751-9	2020
Scopus Indexed	Real-Time Mental Workload Detector for Estimating Human Performance under Workload	Book Series Lecture Notes in Electrical Engineering as The Advances in Signal Processing and Communication-Select Proceedings of ICSC 2018, Springer.	Singla, R.; Agrawal, A.; Kumar, V.; Verma. O. P.	1876-1100	2018

Scopus Indexed	Industrial simulation of PID & modified-MPID controllers for coupled tank system.	Book Series Lecture Notes in Electrical Engineering as The Advances in Signal Processing and Communication-Select Proceedings of ICSC 2018, Springer.	Singla, R.; Agrawal, A.; Kumar, V.; Pachauri, N; Verma. O. P.	1876-1100	2018
Advances in Intelligent Systems and Computing Series, volume 437	Mathematical Modeling of Multistage Evaporator System in Kraft Recovery Process.	Springer Singapore	Verma, O. P., Mohammed, T.H., Mangal, S. and Manik, G.	978-981-10-0451-3/2194-5365	2015
Advances in Intelligent Systems and Computing book series (AISC, volume 336)	Analysis of Hybrid Temperature Control for Nonlinear Continuous Stirred Tank Reactor	Springer, New Delhi	Verma, O. P., Kumar, S. and Manik, G.	978-81-322-2220-0/2194-5365	2014

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Dr. Om Prakash verma (PI)	Institute	“Data and Risk Analysis based predictive strategies for the Chota Char Dham Yatra in the State of Uttarakhand”,	TEQIP-III			2.5 Lakh	Granted	Dr. KaranVeer (Co-PI)
PI	External	Single Object Tracking in a video/Image sequence using Machine/Deep Learning Techniques	ISRO			18 Lakh		Shri. Debajyoti Dhar, Dr. samayVeer Singh, Dr. Rajnish Rani and Dr. Vinit Jakhetiya

Principle Investigator	External	Design and Development of ADHAAR (Autonomous Drone for Himalayan region Analysis, Assessment and Rescue)	Jagadish Chandra Bose Research Organization (JCBRO)			3.08 lakh	On-Going	Dr. Irshad Ahmad Ansari, IIITDM Jabalpur
Co-PI	External	“Investigation of Computational Intelligence Capabilities for Digital Signal Protection”	STEM Research Society			3.003 Lakh	On-Going	Dr. Om Prakash Verma: Co-PI; Dr. I. A. Ansari: PI

Events Organized :

Category	Type	Title	Venue	From	To	Designation
Conference	International	Soft Computing Theories and Applications (SoCTA 2018)	Department of Instrumentation and Control Engineering	21-12-2018	23-12-2018	Organizing Secretary
STC	National	OCDT	NIT Jalandhar	10-01-2019	14-01-2019	Course Coordinator
STC	National	Essential Tools for Optimization	Dr B R Ambedkar NIT Jalandhar	25-06-2020	29-06-2020	Course Coordinator
STC	National	Modeling and Identification of Physiological Systems (MIPS 2020)	Department of ICE, Dr B R Ambedkar NIT Jalandhar	27-07-2020	31-07-2020	Course Coordinator
STC	National	Cryogenics and Composites: Theory and Applications (CCTA 2020)	Department of ICE, DR B R Ambedkar NIT Jalandhar	03-08-2020	07-08-2020	Course Coordinator
STC	National	Impact & strategies for higher education: Comprehensive Research Pedagogy, Methodology & Design (ISHE-2020)	Department of Instrumentation and Control Engineering, Dr. B R Ambedkar NIT Jalandhar	17-08-2020	21-08-2020	Course Coordinator
STC	International	Internet of Things for Healthcare Applications (ITHA-2020)	Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar.	31-08-2020	04-09-2020	Course Coordinator

STC	National	Machine Learning: Theory and Applications	organized by Department of Physics in association with Department of Instrumentation and Control Engineering and Department of Industrial and Production Engineering, Dr B R Ambedkar NIT Jalandhar	09-09-2020	13-09-2020	Course Convener
STC	National	Process Modeling, Simulation, Control and Optimization	Jointly organized by Department of Instrumentation and Control Engineering, and Department of Chemical Engineering, and Department of Electrical Engineering, Dr B R Ambedkar NIT Jalandhar	16-09-2020	20-09-2020	Course Convener
Conference	International	Soft Computing Theories and Applications (SoCTA 2020)	Virtual Format in association with Dr B R Ambedkar NIT Jalandhar, STEM Research Society, and Shobhit University	25-12-2020	27-12-2020	Organizing Secretary
Conference	International	Congress on Advances in Materials Science and Engineering (CAMSE-2020)	Virtual Format in association with Shobhit University, Dr. B R Ambedkar NIT Jalandhar and STEM Research Society	28-12-2020	30-12-2020	Organizing Secretary
Conference	International	SoCTA	IIIT Kota (MNIT Jaipur Campus)	17-12-2021	19-12-2021	Organizing Chair

Conference	International	Congress CAMSE 2021 (Congress on Advances in Mechanical and Systems Engineering)	jointly organized Department of Instrumentation and Control Engineering and Department of Chemical Engineering at Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab-144011	17 -07-2021	19-07-2021	Organizing Secretary
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Professional Affiliations :

Designation	Organization
Life Time Member	Instrumentation Society of India, Bangalore, India
Editorial Review Board Member	Mechanical and Mechatronics Engineering, World Academy of Science, Engineering and Technology, USA
Reviewer	Energy Journal, Elsevier
Reviewer	Pattern Recognition Letter, Elsevier.
Reviewer	Ambient Intelligence & Humanized Computing, Springer.
Reviewer	Multimedia and Tools, Springer.
Reviewer	International Journal of Computers & Technology.
Reviewer	International Journal of Industrial Engineering: Theory, Applications and Practice.
Reviewer	Journal of Medical and Biological Engineering, Springer.
Reviewer	International Journal of System Assurance Engineering and Management, Springer.
Associate Editor	International Journal of Security and Privacy in Pervasive Computing (IJSPPC), IGI Global (SCIE and SCOPUS Indexed)
Secretary	STEM-RS (Science, Technology, Engineering and Management Research Society)
Senior Member	IEEE

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Himanshu Gupta	Deep Learning Based Visual Object Detection and Tracking for Aerial Imagery	O	2019	
Smitarani Pati	Integration of Process Design, Operation, Control and Optimization	Awarded	2018-2022	NIL

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Sourabh Verma	Applications of Machine and Deep Learning in Object Tracking	On-Going	2023	Rajesh Singla
Deepak Jangid	Applications of Machine and Deep Learning in Object Tracking	Awarded	2022	
Sreelaxmi	Application of Optimization in trajectory planning of UAV	Awarded	2022	
Parul Jindal	Single Object Detection/Tracking using Machine/Deep Learning	Awarded	2021	
manish Kumar Shrivastva	Application of Optimization in Multiple effec Evaporator	Awarded	2021	

Drishti Yadav	Metaheuristic-Driven Energy Optimization Of Multiple Effect Evaporator	Awarded	2020	
Saurav Kumar	Performance Evaluation of YOLO algorithm in real-time complex object detection tasks	Awarded	2020	
Mrigendra Singh	Design and Optimization of Multiple effect evaporator	Awarded	2019	

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
Instrument for making geometrical shapes and method thereof	202011011813 (TEMP/E-1/12695/2020-DEL)	18-03-2020	NIT Jalandhar	Filed

Admin. Responsibilities :

Position Held	Organization	From	To
OSD to Hon'ble Director, Dr B R Ambedkar NIT Jalandhar	Dr B R Ambedkar NIT Jalandhar	23-04-2019	Till Date
Social Media Champion (SMC)	Dr B R Ambedkar NIT Jalandhar	17-07-2019	Till Date
Coordinator (UG Accreditation, UG Curriculum, Newsletter and Website)	Departmental of ICE, Dr B R Ambedkar NIT Jalandhar	10-07-2019	Till Date
Co-Coordinator	Horticulture		
Lab In-charge	Measurement and Circuit Theory Lab, Department of ICE, NIT Jalandhar		
Head	Social Media Champion (All India Level), Dr. B. R. Ambedkar NIT Jalandhar		
Principle Investigator (Electronic Section)	Tinkering Lab (Institute Level), Dr. B. R. Ambedkar NIT Jalandhar		
Ex-office Coordinator	Departmental Coordinator Raj-Bhasha		
Departmental Coordinator NBA Accreditation UG	Department of ICE, NIT Jalandhar		
Departmental Coordinator BOS (UG)	Department of ICE, NIT Jalandhar		
APRO	Dr B R Ambedkar NIT Jalandhar	13-01-2023	Till Date
Coordinator-Training and Placement Office (TPO)	Dr B R Ambedkar National Institute of Technology Jalandhar	15-02-2023	Till Date

Award and Honours :

Title	Activity	Given by	Year
Senior Member	IEEE	IEEE	2022
Chief Guest	A National Level Three Day Online Workshop on "MODERN IDEAS & IT'S APPLICATIONS - ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING"	Department of Electronics and Communication Engineering, St. MARTIN'S ENGINEERING COLLEGE, An Autonomous Institute, Dhulapally, Secunderabad-500100	2021

Expert Talk	A One Week Online Short-Term course (STC) On Machine learning and applied optimization applications in Engineering During Dec 21-25, 2021, organized by Department of Electrical Engineering, Dr. B. R. Ambedkar NIT Jalandhar.	Department of Electrical Engineering, Dr. B. R. Ambedkar NIT Jalandhar.	2021
Expert Talk	A One Week Online Short-Term Training Program (STTP) On Mathematical Modeling And Control System Design	Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai.	2021
Expert Talk	A National level Three-day Online Workshop on “Modern Ideas & It's Applications – Artificial Intelligence and Machine Learning	ECE Dept. of St. Martin's Engineering College, Secunderabad, India - 500100	2021
Expert Talk	ATAL Sponsored FDP "Soft Computing Techniques and their Applications in Electrical Engineering	NIT Patna	2021
Expert Talk	Five days e-Short term Course Titled: “Machine Learning: Theory and Applications”	Department of Physics in association with Department of Instrumentation and Control Engineering and Department of Industrial and Production Engineering, Dr B R Ambedkar NIT Jalandhar	2021
Expert talk	Five days e-Short term course Titled: “Essential Tools for Optimization”	Department of Mathematics, Dr B R Ambedkar NIT Jalandhar	2021
Expert talk	Introduction to Optimal Control	Lok Nayak Jai Prakash Institute of Technology, Chapra, Bihar, on 21 June 2020.	2020
Expert talk	Modeling, Design, Control and Performance Optimization of Multiple Stage Evaporator Using Metaheuristic Algorithms: A Case Study Of Kraft Recovery Process	Advances in Mechanical Engineering, Online Faculty Development Program, Lok Nayak Jai Prakash Institute of Technology, Chapra, Bihar, on 22-26 June 2020	2020
Associate Editor	International Journal of Security and Privacy in Pervasive Computing (IJSPPC) (SCOPUS and SCIE Indexed)	IGI Global	2020
Session Chair	International Conference on Recent Innovations & Technological Development in Mechanical Engineering (ICRITDME-2020), (Springer)	JECRC Foundation, Jaipur	2020

Keynote speaker	Expert Lecture	THDC IHET Uttarakhand	2019
Organizing Secretary	OCDT STC funded by TEQIP	Department of ICE, Dr B R Ambedkar NIT Jalandhar	2019
Organizing Secretary	SoCTA 2018, an International Conference funded by CSIR, Newdelhi and MIR Lab, USA	Dr B R Ambedkar NIT jalandhar	2018
Session Chair	ICSC 2018 sponsored by Springer	JIIT Greater Noida.	2018