

**CURRICULUM−VITAE**

**DR. OM PRAKASH VERMA**

Assistant Professor

Department of Instrumentation and Control Engineering,

Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab, India

Ph.D. (IIT Roorkee), M.Tech. (Dr B R Ambedkar NIT Jalandhar), B.E. (Dr B R Ambedkar University Agra)

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Institute Profile: [Dr Om Prakash Verma, Assistant Professor - Instrumentation & Control Engg., NIT Jalandhar](https://www.nitj.ac.in/index.php/nitj_cinfo/Faculty/141)

Google Scholar: <https://scholar.google.co.in/citations?user=127RG7QAAAAJ&hl=en>

YouTube Channel: <http://www.youtube.com/c/DrOmPrakashVerma>

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| **OBJECTIVE** |
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| Seeking a position as an Assistant Professor with an opportunity for continuous growth and utilizing my teaching passion, leadership & administration skills in National Importance of India 49 ranked NIRF Institute, Dr B R Ambedkar NIT Jalandhar. |

| **EXECUTIVE SUMMARY** | | | |
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| **Dr. Om Prakash Verma** is currently serving as Assistant Professor in the Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar. He holds a PhD (IIT Roorkee), M.Tech (Dr B R Ambedkar NIT Jalandhar) and B.Tech (Dr B R Ambedkar University, Agra) respectively. Prior to joining NITJ, he was associated with KIIT deemed to be University, Bhubaneswar; Bansthali Vidyapith, Rajasthan; and Graphic Era University, Dehradun. His research interests includes: Process Design and Integration for Energy Efficiency; Linear and Nonlinear Dynamical Control System; Optimal, Adaptive and Robust Control; Soft Computing & Optimization Techniques; Machine/Deep/Quantum Learning; Machine/Computer Vision; UAV Autonomous Navigation System.  He has credit for publishing more than 90+ research publications including international peer-reviewed SCI journals, patent applications, edited books, conferences and book chapters. He has credit to author the book titled Butterfly Optimization Algorithm: Theory and Engineering Applications, published by Springer, and edited 7 different renowned book of International conference proceedings which are published by Springer Nature. He has associated with 05 research projects as PI and Co-PI funded by various funding agencies of cumulative amount 89.26 Crore. He has supervised 1 Ph.D and currently supervising 3 Ph.D (2 Regular and 1 Part time).  He is a Senior Member of IEEE, and Member of IEEE Computational Intelligence Society, IEEE Control Systems Society, Automatic Control and Dynamic Optimization Society (ACDOS) and life time member of other international renowned societies: Instrument Society of India (ISOI) and STEM Research Society (STEM-RS). He is an associate editor of the International Journal of Security and Privacy in Pervasive Computing (IJSPPC) (SCIE and SCOPUS Indexed). He is an Editorial Review Board Member on Mechanical and Mechatronics Engineering, World Academy of Science, Engineering and Technology, USA. He is one of the founder member and secretary of SoCTA, CAMSE and RAiSE international conference series. He has been an invited as a Chief Guest, Keynote Speaker, Guest, and Session’s Chair in several national and International reputed conferences, Short Term Courses and Workshops and also organizing several conference series with reputed publication partner Elsevier and Springer Nature. | | | |
| **WORK EXPERIENCE** | | | |
| **Year** | **Department/ Discipline** | **Institution Name** | **Position** |
| 11 Jan 2018 – Till date | Department of Instrumentation & Control Engg. | Dr. B R Ambedkar NIT Jalandhar | Assistant Prof. |
| Aug 2017 - Jan 2018 | School of Electronics | KIIT University, Bhubaneswar | Assistant Prof. |
| July 2017 - Aug 2017 | School of Electronics & Instrumentation/Automation/Mechatronics | Bansthali Vidyapith, Rajasthan | Assistant Prof. |
| July 2013 - July 2017 | Control & Instrumentation Engg. | IIT Roorkee | Research Scholar |
| July 2012 - July 2013 | Department of Instrumentation & Control Engg. | Graphic Era University, Dehradun | Assistant Prof. |
| July 2009 - May 2010 | Department of ECE | SBIT, Sonepat, Haryana, India | Lecturer |

| **ACADEMIC QUALIFICATION** | | | |
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| **Year** | **Degree** | **Branch/Subject/Discipline** | **Institute/Board** |
| 2013-2017 | Ph. D | Control & Instrumentation Discipline, Department of Polymer and Process Engineering | IIT Roorkee |
| 2010-2012 | M. Tech. | Instrumentation & Control | NIT Jalandhar |
| 2004-2008 | B. E. | Electronics & Instrumentation | IET Agra |

| **EXPERTISE/RESEARCH AREA/SPECILAZATION** | | |
| --- | --- | --- |
| * Process Dynamics, Control & Optimization | * Process Design and Integration for Energy Efficiency | |
| * Modeling, Simulation & Control | * Process optimization | |
| * Nonlinear Control | * Machine and Deep Learning | |
| * Optimal Control | * Machine/Computer Vision | |
| * Adaptive Control | * Optimization Technique | |
| * Robust Control | * Applied Soft Computing | |
| **TAUGHT COURSES (Ph.D, M.Tech. & B.Tech.)** | | |
| * Process Dynamics and Control: B.Tech 6th Sem (04 Credit) | | * Energy Audit and Management: B.Tech 7th Sem (03 Credit) |
| * EMFT: 2nd and 3rd Sem, B.Tech (04 Credit) | | * Soft Computing: B.Tech 8th Sem (03 Credit) |
| * Mechatronics: B.Tech 5th Sem (03 Credit) | | * Process Control and Instrumentation: M.Tech (04 Credit) |
| * Signal Processing: B.Tech, 5th Sem (04 Credit) | | * Identification and Adaptive Control: PhD (04 Credit) |
| * Digital Signal Processing: B.Tech 6th Sem (04 Credit) * Industrial Automation and Robotics: B.Tech 8th Sem (04 Credit) | | * Modern Control System: B.Tech (04 Credit) * Process Dynamics and Control 6th Sem (04 credit) |

| **SPONSORED RESEARCH PROJECTS** |
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| 1. Prof. A K Khosla (Chief Investigator), Dr. H S Chore (Co-Chief Investigator), Dr. O P Verma (Co-Chief Investigator), Dr. K P Sharma, (Chief Investigator), “Capacity Building for Human Resource Development in Unmanned Aircraft System (Drone Related Technology)”. Funded by MeiTY, Sanctioned Amount 89 Crore. 2. **Dr Om Prakash Verma (PI** from DR B R Ambedkar NIT Jalandhar**)**, Dr Rajnish Rani, Dr Vinit Jakhetiya, Dr Samayveer Singh, **(Co-PIs)**, and **Shri Debajyoti Dhar (PI from ISRO),** “**Single Object Tracking in a video/Image Sequence using Machine/Deep Learning Techniques**”. Sanctioned Amount: 18 Lakh. 3. **Dr. Om Prakash Verma (*PI from* Dr B R Ambedkar National Institute of Technology Jalandhar)** and Dr. Irshad Ahmad Ansari (Co-PI from PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur) Project titled "**Design and Development of ADHAAR (Autonomous Drone for Himalayan region Analysis, Assessment and Rescue)**" Research Funding from **Jagadish Chandra Bose Research Organisation (JCBRO)** of amount **3,08,000/-** 4. Dr. Irshad Ahmad Ansari (Co-PI from PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur) and **Dr. Om Prakash Verma (*PI from* Dr B R Ambedkar National Institute of Technology Jalandhar)** Project titled **“Investigation of Computational Intelligence Capabilities for Digital Signal Protection”** Research Funding from **STEM Research Society** of amount **3.003 Lakh.** 5. **Dr. Om Prakash Verma (PI),** Dr. KaranVeer (Co-PI), “**Data and Risk Analysis based predictive strategies for the Chota Char Dham Yatra in the State of Uttarakhand**”, Funded by TEQIP-III, Total Amount 2.0 Lakh. **Status: Under Process.** |
| **DISSERTATION/ THESIS/ PROJECT SUPERVISED (B.Tech/M.TECH/Ph.D)** |
| **Ph.D:**   1. **Sourabh Verma, “**Application of Machine/ Deep Learning in object detection/tracking**”** Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** Ongoing. **Full Time-2023 (Sole)** 2. **Gavendra Singh, “**Application of Machine/ Deep Learning for real time environment**”** Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** Ongoing. **Part Time-2023 (Sole)** 3. **Harish Chadra Patel,** Department of Mechanical Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** Ongoing. **Full Time-2023 (Main Supervisor: Dr. Dwesh Kumar; Co-supervisor: Dr. Om Prakash Verma)** 4. **Himanshu Gupta (19506002),** “Deep Learning Based Visual Object Detection and Tracking For Aerial Imagery” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** Submitted. (**Full Time: 2019-2023) (Sole)** 5. **Smita Rani Pati (18506004),** “Modeling, Design, Control and Performance Optimization of Multiple Stage Evaporator Using Metaheuristic Algorithms: A Case Study of Kraft Recovery Process” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **Awarded on 15/11/2022.** (**Full Time: 2018-2022) (Sole)** 6. **Vijaya Lakkannava, “Control and Optimization in Robotics”,** Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** On Going. **Part Time (Main Supervisor: Dr. Om Prakash Verma; Co-supervisor: Dr. Sheela Tiwari)**   **M.Tech:**   1. Sourabh Verma, 2023 “**Applications of Machine and Deep Learning in Object Detection and Tracking** ” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **Submitted**. **(Main Supervisor: Dr. Om Prakash Verma; Co-Supervisor: Dr. Rajesh Kumar Singla)** 2. Sreelakshmy K, 2022 “Application of Optimization in trajectory planning of UAV” ” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **ONGOING. (SOLE)** 3. Deepak Jangid, 2022 “**Applications of Machine and Deep Learning in Object Tracking**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **ONGOING**. **(SOLE)** 4. Parul Jindal, 2021 “**Real-Time Complex Object Detection Using Deep Learning Algorithms**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **Awarded with Gold Medal**. **(SOLE)** 5. Manish Kumar Shrivastava, 2021 “**Reduction and Optimization of Trim Loss in Reel Cutting at Paper Mill using Metaheuristic Algorithms**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India. **Status:** **Awarded**. **(SOLE)** 6. Drishti Yadav, 2020 “**Application of Soft Computing in solving nonlinear simultaneous Algebraic and Ordinary Differential Equations**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India, 21 August 2020. **Status:** **Awarded** with **S Grade** (**Gold Medalist**). **(SOLE)** 7. Saurav Kumar, 2020 “**Data and Risk Analysis based predictive strategies for the Chota Char Dham Yatra in the State of Uttarakhand**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India, 01 Oct 2020. **Status:** **Awarded** with **A Grade**. **(SOLE)** 8. Mrigendra Singh, 2019 “**Design and Optimization of Multiple effect evaporator**” Department of Instrumentation and Control Engineering, Dr. B R Ambdkar NIT Jalandhar, Punjab, India, June 2019. **Status:** **Awarded** with **B Grade**. **(SOLE)** 9. Akansha Sharma**,** 2014 **“Mathematical Modeling and Intelligent Control of Two Coupled Tank System**”, M. Tech, Department of Electrical Engineering, GRD, Dehradun, March 2016. **Status:** Awarded (**Gold Medalist**) 10. Sonu Kumar, 2013 “**Analysis of hybrid temperature control for nonlinear continuous stirred tank reactor**”, M. Tech, Department of Electrical and Electronics Engineering, Graphic Era University, Dehradun, U.K, India, June 2014. **Status:** Awarded **(SOLE)**   **B.Tech Projects:**   1. Hardik (19106030), Harshit Nyati (19106034), Hritick Lohani (19106037), Narendra Bissu (19106058), “**Single object tracking using Deep CNN methods in Aerial Datasets.”** May-2023 2. Saurabh Kumar (18106072), Manas Mishra (18106035) and Rishabh Vatsa (18106064), **“Multiple Object Tracking on Aerial Images”,** May-2022. 3. A. Om Satya Swaroop (17106018), R Sumith Raj (17106058) and Azmeera Ashok Kumar (17106022), **“Autonomous Robot using 3D simulation”,** May-2022. 4. Ankita (17106015), Harsh Mittal (17112035) and Sourav Kumar Goyal (17106078), **“Auto Reporting /Blocking Users On Social Media For Commenting Toxic And Misleading Comments”** May-2021. 5. Bhan Singh (17106024), Divyanshu (17106031), and Mayur Kashyap (17106043), **“Object Detection And Single Object Tracking Using Deep Learning Techniques”,** May-2021. 6. Adari Chandu (16106003), Apoorva Manihal (16106011), Rahul Baid (16106017), Saurabh Wani (16106069), Saloni Soni (16110046), “**Solving Real Life Problems Using Statistics and Deep Learning”,** May-2020. 7. Anshuman Panda (15106076), Alok Kumar Hota (15106012), Anant Khurana (15106062), **“Design of a communication system working independent of existing telecom services for locating people during disaster”,** May-2019. 8. Arekh Tiwari (15106013), Ankit Raheja (15106018), Abhishek Mishra (15106039), **“Active Noise Cancellation”,** May-2019. |
| **PATENT/PUBLICATIONS/SEMINAR/CONFERENCE/WORKSHOP** |
| ***PATENT:***   1. Ankit Kumar, Varun Sharma, Kuldeep Singh Nagla, **Om Prakash Verma**, Ajay Gupta, “Instrument for making geometrical shapes and method thereof”, 2020/3/18, IN, Application number: 202011011813 (TEMP/E-1/12695/2020-DEL) 2. Dr. Kapil Kumar, Mr. Venkata Sai Rama Pramod Akula, Dr. Kuldeep Singh Nagla, **Dr. Om Prakash Verma**, Dr. Neeraj Sharma, IPR Filed and Published: “Salt Dispenser”, Application No. 364380-001 3. Dr. Kapil Kumar, Mr. Venkata Sai Rama Pramod Akula, Dr. Kuldeep Singh Nagla**, Dr. Om Prakash Verma**, Dr. Neeraj Sharma, IPR Filed and FER received: “Table Salt Dispenser” Application No. 202211030367   ***PUBLICATIONS:***  **AUTHORED BOOKS:**   1. Tarun Kumar Sharma, **Om Prakash Verma**, 2022. Butterfly Optimization Algorithm: Theory and Engineering Applications, Springer Briefs in Applied Sciences and Technology.   **EDITED BOOKS:**   1. Manik, G.,Kalia, S., **Verma, O. P., Sharma**, T.K.,  (Eds.), 2023. Book Title: Recent Advances in Mechanical Engineering, Book Subtitle: Select Proceedings of CAMSE 2021, Series Title: Lecture Notes in Mechanical Engineering, Publisher: Springer Singapore, Series ISSN 2195-4356, Series E-ISSN 2195-4364, Edition Number 1, Number of Pages: X, 990 (**SCOPUS-Indexed**) 2. Rajesh Kumar, Chang Wook Ahn, Tarun K. Sharma, **Om Prakash Verma,** Anand Agrawal (Eds.), 2022. Book Title: Soft Computing: Theories and Applications; Subtitle: Proceedings of SoCTA 2021; Series Title: Lecture Notes in Networks and Systems, Pages: XIV, 888, eBook ISBN 978-981-19-0707-4, Series ISSN 2367-3370,Series E-ISSN 2367-3389, Edition Number 1,Number of Pages XXIX, 986 Springer Singapore (**SCOPUS-Indexed**) 3. Vashista, M. Manik, G., **Verma, O. P.,** Bhardwaj, B. (Eds.), 2022. Book Title: Recent Innovations in Mechanical Engineering; Book Subtitle: Select Proceedings of ICRITDME 2020; Series Title: Lecture Notes in Mechanical Engineering, Number of Pages: XII, 266; Series ISSN: 2195-4356, Springer Nature. (**SCOPUS-Indexed**) 4. Sharma**,** T.K.,Ahn, C.W., **Verma**, **O.P.,** Panigrahi**,** B.K. (Eds.), 2021. **Soft Computing: Theories and Applications Proceedings of SoCTA 2020, Volume 1**, **Series Volume:** 1380, Number of Pages: XVI, 749; DOI: 10.1007/978-981-16-1740-9, Springer Nature. (**SCOPUS-Indexed**)  **Sharma**, T.K., **Ahn**, C.W., **Verma**, O.P., **Panigrahi**, B.K. (Eds.), 2021. Soft Computing: Theories and Applications Proceedings of SoCTA 2020, Volume 2, Number of Pages: XX, 587; DOI: 10.1007/978-981-16-1696-9, Springer Nature. (SCOPUS-Indexed)**Manik, G., Kalia, S., Sahoo, S.K., Sharma, T.K.K., Verma, O.P.** (Eds.), 2021. Advances in Mechanical Engineering, *Select Proceedings of CAMSE 2020,* [Lecture Notes in Mechanical Engineering](https://www.springer.com/series/11236), Springer Nature. DOI: 10.1007/978-981-16-0942-8 (SCOPUS-Indexed)  1. “Pant, M., Sharma, T.K., **Verma, O.P.,** Singla, R. and Sikander, A. eds., 2020. **Soft Computing: Theories and Applications: Proceedings of SoCTA** 2018 (Vol. 1053). Springer Nature.(**SCOPUS-Indexed**)   **JOURNALS:**  **2022 (SCI-Indexed)**   1. Himanshu Gupta, **Om Prakash Verma**, 2022. Normalization free Siamese Network for Object Tracking, Expert Systems, Wiley. (**SCI indexed with IF 2.812**) 2. Sreelakshmy K., Himanshu Gupta, **Om Prakash Verma**, Kapil Kumar, Abdelhamied A. Ateya and Naglaa F. Soliman, 2022. 3D Path Optimization of Unmanned Aerial Vehicles using Q Learning Controlled GWO-AOA, Computer Systems Science and Engineering, Tech Science Press. (**SCI indexed with IF 4.397**) 3. Himanshu Gupta, Parul Jindal, **Om Prakash Verma**, Raj Kumar Arya, Abdelhamied A. Ateya, Naglaa F. Soliman, Vijay Mohan, 2022. Computer vision-based approach for automatic detection of dairy cow breed, Electronics, MDPI. <https://www.mdpi.com/2079-9292/11/22/3791> (**SCI indexed with IF 2.690**) 4. Singh, S., Kumar, M., Verma, O.P., Kumar, R. and Gill, S.S., An IIoT based secure and sustainable smart supply chain system using sensor networks. Transactions on Emerging Telecommunications Technologies, p.e4681. (**SCI indexed with IF 3.31**) <https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4681> 5. Saurav Kumar, Drishti Yadav, Himanshu Gupta, Mohit Kumar, **Om Prakash Verma**, 2022. Towards Smart Surveillance as an Aftereffect of COVID-19 Outbreak for Recognition of Face Masked Individuals using YOLOv3 Algorithm, Multimedia Tools and Applications, Springer. (**SCI indexed with IF 2.577**) <https://doi.org/10.1007/s11042-021-11560-1> 6. Smitarani Pati, **Om Prakash Verma**, Raj Kumar Arya, Anurag Kumar Tiwari, 2021. Transient Modeling and Simulation of Multiple Stage Evaporator in Paper Industry, Chemical Engineering Technology, Volume 45, Issue 3 p. 456-466, Wiley Online Library, <https://onlinelibrary.wiley.com/doi/10.1002/ceat.202100387> (**SCI indexed with IF 2.215**) 7. Goel, A., Manik, G., **Verma, O.P.,** 2021. Designing a robust analytical model of a parabolic trough solar collector through in-depth analysis of convective heat transfers, Arabian Journal for Science and Engineering, Springer, <https://link.springer.com/article/10.1007/s13369-021-06473-y>. (**SCI indexed with IF 2.807**) 47:6535–6557 8. Goel, A., Manik, G., **Verma, O.P.,**, 2022. "Combinatorial and geometric optimization of a parabolic trough solar collector." *Korean Journal of Chemical Engineering* 39, no. 2 (2022): 284-305. <https://link.springer.com/article/10.1007/s11814-021-0939-5> (**SCI indexed with IF 3.146**) 9. Jain, S., Sahni, R., Khargonkar, T., Gupta, H., Verma, O.P., Sharma, T.K., Bhardwaj, T., Agarwal, S. and Kim, H., 2022. Automatic Rice Disease Detection and Assistance Framework Using Deep Learning and a Chatbot. Electronics, 11(14), p.2110. (**SCI indexed with IF 2.690**)   **2022 (SCOPUS-Indexed)**   1. Jain, G., Mahara, T., Sharma, S.C., **Verma, O.P.** and Sharma, T., 2022. Clustering-Based Recommendation System for Preliminary Disease Detection. International Journal of E-Health and Medical Communications (IJEHMC), 13(4), pp.1-14. 2. Abhiraj Singh, Deepak Sahu, **Om Prakash Verma**, 2022. Study on performance of working model of heat exchangers, Materials Today: Proceedings. (**Scopus Indexed**) <https://www.sciencedirect.com/science/article/pii/S2214785322061909> 3. Drishti Yadav, Nikhil Pachauri, **Om Prakash Verma**, Deepak Sahu, Jatinder Kumar Ratan, Tarun Kumar Sharma “Controller design for optimal operation of Multiple Effect Evaporator of Paper Mills”, Results in Control and Optimization, Elsevier, **(SCOPUS-Indexed)** 4. 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” Materials Today: Proceedings, Elsevier. <https://www.sciencedirect.com/science/article/pii/S2214785322009270> (**SCOPUS-Indexed**) 5. 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, Evolutionary Intelligence, Springer. <https://link.springer.com/article/10.1007/s12065-021-00679-7> (**SCOPUS-Indexed**) 6. Himanshu Gupta and **Om Prakash Verma**, 2022. “Vaccine Hesitancy in the Post-Vaccination COVID-19 Era: A Machine Learning and Statistical Analysis Driven Study”, Evolutionary Intelligence, Springer. <https://link.springer.com/article/10.1007/s12065-022-00704-3> (**SCOPUS-Indexed**) 7. Nikhil Pachauri, Drishti Yadav, **Om Prakash Verma**, Tarun Kumar Sharma, Chang Wook Ahn, 2022. Closed Loop Fractional Order Drug Delivery Control Scheme for Chemotherapy, Results in Control and Optimization, Elsevier, <https://www.sciencedirect.com/science/article/pii/S2666720722000029>. (**SCOPUS-Indexed**)   **2021 (SCI-Indexed)**   1. Smitarani Pati, **Om Prakash Verma**, 2021. Integration of solar field with multiple stage evaporator to sustain eco-energy in pulp and paper plant, Journal of Cleaner Production, Vol. 333, Elsevier. <https://www.sciencedirect.com/science/article/pii/S0959652621043134> (**SCI indexed with IF 11.072)** 2. Smitarani Pati, **Om Prakash Verma**, 2021. Energy Integration of Solar Assisted Multiple Stage Evaporator and Optimum Parameter Selection, Energy, 122162, Elsevier, ISSN 0360-5442, <https://doi.org/10.1016/j.energy.2021.122162>. (<https://www.sciencedirect.com/science/article/pii/S0360544221024105> (**SCI indexed with IF 8.857**) 3. 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, Multimedia Tools and Applications, Springer. (**SCI indexed with IF 2.577**) 4. Gupta, H., **Verma, O. P.** 2021. Monitoring and Surveillance of Urban Road Traffic Using Low Altitude Drone Images: A Deep Learning Approach, Multimedia Tools and Applications, Springer. <https://link.springer.com/article/10.1007/s11042-021-11146-x> (**SCI indexed with IF 2.577**) 5. Gupta, H., Varshney, H., Sharma,TK., Pachauri, N., **Verma, O. P.,** 2021. Comparative performance analysis of quantum machine learning with deep learning for diabetes prediction, Complex & Intelligent Systems, Springer. (**SCI indexed with IF 6.700**) 6. Yadav, D., Kumar. S, **Verma, O. P.,** Pachauri, N., Sharma, V., 2021. Approximate Solution of Non-linear Dynamic Energy Model of Multiple Effect Evaporator using Fourier series and Metaheuristics. Korean Journal of Chemical Engineering, Springer. (**SCI indexed with IF 3.146**) 7. **Verma, O. P.,** and Pati, S., 2021. Performance Optimization of Multiple Stage Evaporator using Interior-Point Method and Metaheuristic Approaches in Environment of Real-Time Plant Complexities, International Journal of Green Energy, Taylor & Francis. (**SCI indexed with IF 3.206**) 8. **Verma, O. P.,** Yadav, D., Pati, S., Kumar, S., Gupta, H., and Pachauri, N., 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. Asia-Pacific Journal of Chemical Engineering, Wiley; <https://doi.org/10.1002/apj.2626> **(SCI indexed with IF 1.777).** 9. Chaurasia, N., Kumar, M., Chaudhry, R. and **Verma, O.P.,** 2021. Comprehensive survey on energy-aware server consolidation techniques in cloud computing. *The Journal of Supercomputing*, pp.1-56. **(SCI indexed with IF 2.557).** 10. 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. Electronics 2021, 10, 127. <https://doi.org/10.3390/electronics10020127> **(SCI indexed with IF 2.690).** 11. Kumar, S., Yadav, D., Gupta, H., and **Verma, O. P.,** Ansari, I. A., Ahn, C. W., 2021. A novel YOLOv3 Algorithm-Based Deep Learning Approach for Waste Segregation: Towards Smart Waste Management. Electronics 2021, 10(1), 14; <https://doi.org/10.3390/electronics10010014> **(SCI indexed with IF 2.690).**   **2021 (SCOPUS-Indexed)**   1. Drishti Yadav, Tarun Kumar Sharma, Varun Sharma, **Om Prakash Verma,** 2021. Optimizing the energy efficiency of multiple effect evaporator house using metaheuristic approaches. Int J Syst Assur Eng Manag (2021) Springer. <https://doi.org/10.1007/s13198-021-01429-9> (**Emerging Sources Citation Indexed and SCOPUS-Indexed**). 2. Begum, K.G., **Verma, O.P.** & Pachauri, N. Modified H2 optimal PI tuning method for first order time delay systems. Int J Syst Assur Eng Manag (2021) Springer. <https://doi.org/10.1007/s13198-021-01161-4>. (**Emerging Sources Citation Indexed and SCOPUS-Indexed**) 3. 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. Int J Syst Assur Eng Manag. <https://doi.org/10.1007/s13198-021-01160-5>, Springer. (**Emerging Sources Citation Indexed and SCOPUS-Indexed**)   **2020 (SCI-Indexed)**   1. 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. Neural Computing and Applications, 33(17), 10751-10770, 10.1007/s00521-020-04828-4. **(SCI indexed with IF 5.102).** 2. Yadav, D. and **Verma, O.P.,** 2020. Energy optimization of Multiple Stage Evaporator system using Water Cycle Algorithm. Heliyon, 6(7), p.e 04349. **(SCIE-Indexed with IF 3.776)**   **2019 (SCI-Indexed)**   1. **Verma, O. P.,** Manik, G., and Sethi, S. K., Feb, 2019. A comprehensive review of renewable energy source on energy optimization of black liquor in MSE using steady and dynamic state modeling, simulation and control. Renewable & Sustainable Energy Reviews**,** Vol. 100, pp. 90-109**.** (**SCI indexed with IF 16.799**)   **2019 (SCOPUS-Indexed)**   1. Kumar V., Parida, M. K. and **Verma, O. P.,** 2019. Evaluation of Power Sources and the Effect of Varying Current in SMAW Process. International Journal of System Assurance Engineering and Management, Springer, 11, 455–465 (2020). (**SCOPUS-Indexed**)   **2018 (SCI-Indexed)**   1. Mahadeva, R., **Verma, O. P.,** and Manik, G., 2018. Modelling and Simulation of Desalination Process using Artificial Neural Network: A review. **Desalination and Water Treatment.** (**SCI indexed with 1.234**) 2. **Verma, O. P.,** Manik, G., andKant, S., December, 2018. Minimization of energy consumption in multiple stage evaporator using Genetic Algorithm. Sustainable Computing, Informatics and Systems, Vol. 20, pp. 130-140. Elsevier Journal. (**SCI indexed with IF 4.932**). 3. **Verma, O. P.,** Manik, G., and Jain, V. K., 2018. Simulation and control of a complex nonlinear dynamic behavior of multi-stage evaporator using PID and Fuzzy-PID controllers. Journal of computational science, [Vol. 25](https://www.sciencedirect.com/science/journal/18777503/25/supp/C),  Pp. 238-251 Elsevier journal. (**SCI indexed with IF 3.817**),   **2017 (SCI-Indexed)**   1. **Verma, O. P.,** Mohammed, T.H., Mangal, S, and Manik, G., 2017. Minimization of Energy consumption in Multi-Stage Evaporator System of Kraft Recovery Process with Interior-Point Method. Energy, Vol. 129, pp. 148-157. (**SCI indexed with IF 8.817**) 2. **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. Transactions of the Institute of Measurement and Control, Sage. [Vol 40, Issue 7, pp. 2278–2290](https://journals.sagepub.com/toc/tima/40/7). **(SCI Indexed with IF 2.146)**   **2016 (SCI-Indexed)**   1. **Verma, O. P.,** Manik, G., and Mohammed, T.H, 2016. Energy management in multi stage evaporator through a steady and dynamic state analysis. Korean Journal of Chemical Engineering, Vol. 34, Issue 10, pp 2570–2583, Springer. (**SCI indexed with IF 3.146**)   **2016 (SCOPUS-Indexed)**   1. **Verma, O. P.,** Manik, G., andKant, S., 2016. Solution of SNLAE model of backward feed multiple effect evaporator system using genetic algorithm approach. International Journal of System Assurance Engineering and Management, Springer, March 2017, Volume 8, Issue 1, pp 63–78.(**Emerging Sources Citation Indexed and** **SCOPUS-Indexed**), 2. **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. International Journal of System Assurance Engineering and Management, Springer, pp.1-20.(**Emerging Sources Citation Indexed and SCOPUS-Indexed**) 3. **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.  International Journal of control theory and applications. Vol. 9 (11), pp. 5287-5300. (**SCOPUS-Indexed**)   **2013**   1. **Verma, O. P.,** Manik, G., 2013. Comparative analysis of boiler drum level control using advanced classical approaches. IJESIT, 2(5), pp. 125136.   **2012**   1. **Verma, O. P.,** Singla, R. and Kumar, R., 2012. Intelligent Temperature Controller for Water Bath System. World Academy of Science, Engineering and Technology, International Journal of Computer, Information, Systems and Control Engineering, 6(9). (**ISI indexed**). 2. **Verma, O.P.,** Gupta, H., 2012. Fuzzy logic based water bath temperature control system. International Journal of Advanced Research in Computer Science and Software Engineering, 2(4). 3. Gupta, H., **Verma, O.P.,** 2012. Intelligent controller for coupled tank system. International Journal of Advanced Research in Computer Science and Software Engineering, 2(4), pp. 154-157.   **BOOK CHAPTERS:**  **2022 (SCOPUS-Indexed)**   1. Pati, S., **Verma, O.P.** (2023). Energy Assessment of a Hybrid Multiple Stage Evaporator Using Metaheuristic Algorithms. In: Reddy, K.R., Kalia, S., Tangellapalli, S., Prakash, D. (eds) Recent Advances in Sustainable Environment . Lecture Notes in Civil Engineering, vol 285. Springer, Singapore. https://doi.org/10.1007/978-981-19-5077-3\_34 2. Manish Srivastava, Smitarani Pati, **Om Prakash Verma**, Himanshu Gupta, Tarun Kumar Sharma, Raj Kumar Arya, Anurag Kumar Tiwari and Deepak Sahu. (2023). Minimization of Trim Loss During Reel Cutting at Paper Mill by Using Different Optimization Algorithms. In: Manik, G., Kalia, S., Verma, O.P., Sharma, T.K. (eds) Recent Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. <https://doi.org/10.1007/978-981-19-2188-9_107> **(SCOPUS-Indexed)** 3. *Goel, A.,* ***Verma, O.P.,*** *Manik, G.* (2023). Flow Rate Optimization of a Parabolic Trough Solar Collector Using Multi-objective Genetic Algorithm. In: Manik, G., Kalia, S., Verma, O.P., Sharma, T.K. (eds) Recent Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. <https://doi.org/10.1007/978-981-19-2188-9_49> **(SCOPUS-Indexed)** 4. S Kumar, D Yadav, H Gupta, **O.P. Verma**, 2022. Smart Classroom Surveillance System Using YOLOv3 Algorithm, Recent Innovations in Mechanical Engineering. Lecture Notes in Mechanical Engineering. **(SCOPUS-Indexed)** 5. G. Kumar, V. Sharma, R. Kumar, A. Thakur, N. Minhas, **O.P. Verma,** 2022. Effect of Tool Tilt Angle on the Mechanical and Metallurgical Properties of Aluminium Alloy 6061-T6 Welded by Friction Stir Welding Process, Recent Innovations in Mechanical Engineering. Lecture Notes in Mechanical Engineering. **(SCOPUS-Indexed)** 6. Raj, H., Kumar, M., Kumar, P., Singh, A. and **Verma, O.P.,** 2022. 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. <https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119769293.ch2> **(SCOPUS-Indexed)** 7. Kirar, A., Bhalerao, S., **Verma, O.P.** and Ansari, I.A., 2022. Protecting ECG Signals with Hybrid Swarm Intelligence Algorithm. In Artificial Intelligence in Healthcare (pp. 47-60). Springer, Singapore. <https://link.springer.com/chapter/10.1007/978-981-16-6265-2_4> **(SCOPUS-Indexed)**   **2021 (SCOPUS-Indexed)**   1. Bhan Singh, Divyanshu, Mayur Kashyap, Himanshu Gupta, **Om Prakash Verma**, 2021. Chapter 6: A Deep Learning Based Food Detection and Classification, Computational Intelligence based Solutions for Vision Systems, IOP Press. **(SCOPUS-Indexed)** 2. Nikhil pachauri, Drishti Yadav, Varun Sharma and **Om Prakash Verma** 2021. Towards the real-time control of Nonlinear Multiple Stage Evaporators: Design of IMC with process delay. In Proceedings of International Congress on Advances in Materials Science and Engineering (CAMSE 2020). Springer Singapore. **(SCOPUS-Indexed)** 3. Vishal Rajput, **Om Prakash Verma** and Irshad Ahmad Ansari 2021. Auto-Text competition framework to improve online conversation, In Proceedings of International Congress on Advances in Materials Science and Engineering (CAMSE 2020). Springer Singapore. **(SCOPUS-Indexed)** 4. Nikhil pachauri, Drishti Yadav, Varun Sharma and **Om Prakash Verma** 2021. Towards the real-time control of Nonlinear Multiple Stage Evaporators: Design of IMC with process delay. In Proceedings of International Congress on Advances in Materials Science and Engineering (CAMSE 2020). Springer Singapore**. (SCOPUS-Indexed)** 5. Himanshu Gupta, Parul Jindal and **Om Prakash Verma** 2021. Automatic Vehicle Detection from Satellite Images using Deep Learning Algorithm, In Proceedings of Fifth International Conference on SoCTA 2020. Springer Singapore. **(SCOPUS-Indexed)** 6. Hirdesh Varshney, Utpal Kant, Himanshu Gupta, **Om Prakash Verma**, Tarun Kumar Sharma and Irshad Ahmad Ansari 2021. Semantic Segmentation of Retinal Blood Vessel with Auto encoders, In Proceedings of Fifth International Conference on SoCTA 2020. Springer Singapore. **(SCOPUS-Indexed)** 7. Parul Jindal, Himanshu Gupta, Nikhil pachauri, Varun Sharma, and Om Prakash Verma 2021. Real-Time Wildfire Detection via Image-Based Deep Learning Algorithm, In Proceedings of Fifth International Conference on SoCTA 2020. Springer Singapore. **(SCOPUS-Indexed)** 8. Smitarani Pati, and **Om Prakash Verma**, 2021. Optimization of Energy Efficiency of Multiple Stage Evaporator using ABC Algorithm. In Proceedings of International Congress on Advances in Materials Science and Engineering (CAMSE 2020). Springer Singapore. **(SCOPUS-Indexed)** 9. Smitarani Pati, **Om Prakash Verma**, and Varun Sharma 2021. Nonlinear Mathematical Modeling of Multiple Stage Evaporator Amalgamated with Thermo-Vapor Compressor. In Proceedings of International Conference on Industrial and Manufacturing Systems (CIMS 2020). Springer Singapore. **(SCOPUS-Indexed)**   **2018 (SCOPUS-Indexed)**   1. Smitarani Pati, Drishti Yadav, Gaurav Manik, Rajesh Singla Singla and **Om Prakash Verma,** 2018. Generalized Mathematical modeling of MEE for calculation of steam efficiency and steam consumption. In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore**, pp. 1303-1314. (SCOPUS-Indexed)** 2. Rajesh Mahadeva, Gaurav Manik, **Om Prakash Verma**, Anubhav Goel and Sanjeev Kumar, 2018. Modelling of reverse osmosis desalination process using PSO-ANN prediction technique. In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. **pp. 1209-1219. (SCOPUS-Indexed**) 3. Saurabh Wani, Drishti Yadav and **Om Prakash Verma**, 2018. 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. (SCOPUS-Indexed)** 4. Afzal Sikander, Shiv Sagar, **Om Prakash Verma**, S. Sathiya, Varun Sharma and Suneel Dutt, 2018. 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. (SCOPUS-Indexed)** 5. Monika Bharti, Varun Sharma, Afzal Sikander, **Om Prakash Verma** and Suneel Dutt, 2018. 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. (SCOPUS-Indexed)** 6. Anand Agrawal and **Om Prakash Verma**, 2018. Investigation of Filter Bank Multi-Carrier aided OFDM system. In Proceedings of Third International Conference on SoCTA 2018. Springer Singapore. **pp. 471-478. (SCOPUS-Indexed)** 7. Singla, R., Agrawal, A., Kumar, V. and **Verma. O. P.,** 2018. 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. 8. Singla, R., Agrawal, A., Kumar, V., Pachauri, N. and **Verma. O. P.,** 2018. Industrial simulation of PID &amp; 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.   **2016 (SCOPUS-Indexed)**   1. **Verma, O. P.,** Mohammed, T.H., Mangal, S. and Manik, G., 2016. Mathematical Modeling of Multistage Evaporator System in Kraft Recovery Process. In Proceedings of Fifth International Conference on Soft Computing for Problem Solving (pp. 1011-1042). Springer Singapore. **(SCOPUS-Indexed)**   **2015 (SCOPUS-Indexed)**   1. **Verma, O. P.,** Kumar, S. and Manik, G., 2015. 12. Analysis of Hybrid Temperature Control for Nonlinear Continuous Stirred Tank Reactor. In Proceedings of Fourth International Conference on Soft Computing for Problem Solving (pp. 103-121). Springer India. **(SCOPUS-Indexed)**   **CONFERENCES:**   1. Pati, Smitarani; **Verma, O.P.**, 2022. Energy Assessment of a Hybrid Multiple Stage Evaporator using Metaheuristic Algorithms in RAISE 2022 organized by Shobhit University Gangoh, Uttar Pradesh, India from 25-26 February 2022. 2. **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.  Shannon 100, 3rd International Conference on Computing Sciences, 8-9 April 2016. 3. Gupta, H., **Verma, O.P.,** 2012. Hybrid Temperature Controller for Boiler System. Proceedings of Instrumentation society of India.   **WORKSHOP:**   1. Attended Two Days TEQIP-III Orientation Workshop on “**Technical Education Quality Improvement Programme**” for Young of Mentor Institute from 03-04 February 2018 at Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab India. 2. **Verma, O. P.,** Perspectives In Dynamical Systems & Control. International Workshop, jointly organized by center of excellence in Complex & Nonlinear Dynamical Systems (CNDS), Veermata Jijabai Technological Institute and the IIT Bombay, from 17-21 March, 2014.  | **CHIEF GUEST/ GUEST OF HONOR / SESSION CHAIR** | | --- | |

**CHIEF GUEST:**

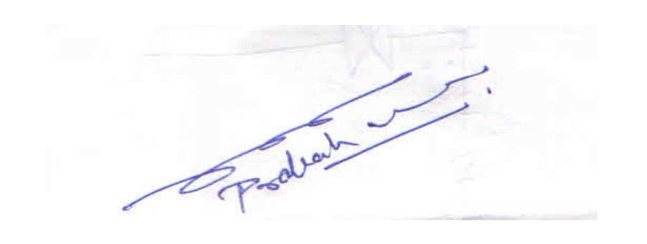
1. at A National Level Three Day Online Workshop on “MODERN IDEAS & IT'S APPLICATIONS - ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING” From 10th to 12th June 2021 at 12:45 PM (Friday) organized by Department of Electronics and Communication Engineering, St. MARTIN’S ENGINEERING COLLEGE, An Autonomous Institute, Dhulapally, Secunderabad– 500100

**SESSION CHAIR(s):**

1. Chair the session at International conference at JECRC Foundation (Jaipur) on 27th – 28th Aug 2020.
2. Chair the technical session: Optimization in Industry at International conference at SoCTA 2019, NIT Patna on 27th – 29th Dec 2019.
3. Chair the session at ICSC 2018 sponsored by Springer at JIIT Greater Noida.

| **EXPERT/GUEST/SPECIAL TALK/LECTURE DELIVERED** |
| --- |
| **EXPERT LECTURE(S)**   1. Delivered Expert Talk on “Object Detection and Tracking using Machine and Deep Learning” on 22 Dec 2021 at 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. 2. Delivered Expert Talk on “Modeling, Design, Control and Performance Optimization of Multiple Stage Evaporator Using Metaheuristic Algorithms: A Case Study of Kraft Recovery Process” on 28 June 2021 at A One Week Online Short-Term Training Program (STTP) On Mathematical Modeling And Control System Design During June 28-July 3, 2021, organized by Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai. 3. Delivered Expert Talk on “Object Detection and Tracking using ML/DL Techniques” on 10th June at A National level Three-day Online Workshop on “Modern Ideas & It's Applications – Artificial Intelligence and Machine Learning (10-12 June, 2021)” organized by ECE Dept. of St. Martin's Engineering College, Secunderabad, India - 500100 . 4. Delivered Expert Talk on “Object Detection and Tracking using Machine and Deep Learning” at ATAL Sponsored FDP "Soft Computing Techniques and their Applications in Electrical Engineering" during 28th June-2nd July 21, organized by NIT Patna. 5. Delivered Expert Talk on “Object Detection and Tracking using Machine and Deep Learning” at Five days e-Short term Course Titled: “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, from 9-13 September 2020. 6. Delivered Expert talk on “Control and Optimization Theory” at Five days e-Short term course Tilted: “Essential Tools for Optimization” organized by Department of Mathematics, Dr B R Ambedkar NIT Jalandhar, from 25-29 June 2020. 7. Delivered Expert talk on “Introduction to Optimal Control” at Lok Nayak Jai Prakash Instate of Technology, Chapra, Bihar, on 21 June 2020. 8. Delivered Expert talk on “Modeling, Design, Control and Performance Optimization of Multiple Stage Evaporator Using Metaheuristic Algorithms: A Case Study Of Kraft Recovery Process” at Advances in Mechanical Engineering, Online Faculty Development Program, Lok Nayak Jai Prakash Instate of Technology, Chapra, Bihar, on 22-**26** June 2020. 9. Delivered Expert talk on “Process Control Optimization & Energy Conservation: Overview and Challenge” at THDC-IHET, Tehri, TEQIP-III from 04-05 October 2019. |
| **CONFERENCES/SHORT TERM/WEBINAR/COURSES ORGANIZED** |
| **SHORT TERM COURSES ATTENDED** |
| 1. Attended One Week FDP On “Exergy and Exergoeconomic Evaluation of Thermal Power Plants” Organized By Pragati Engineering College (Autonomous), A.P, During June 18-23, 2021. 2. Attended One Week FDP On “Pedagogy Of Scientific Writing, Reporting And Scholarly Networks” Organized By Feroze Gandhi Institute Of Engineering And Technology, Raebareli During June 19-23, 2020 3. Attended five days STC on Advancement in Manufacturing and Material Processing at Dr B R Ambedkar NIT Jalandhar from 02-06 Jan 2020. 4. Attended two days’ workshop on Outcome based education and NBA Accreditation at Dr B R Ambedkar NIT Jalandhar from 18-19 Jan 2020. 5. Attended one day workshop on IP Commercialization and Technology transfer at Dr B R Ambedkar NIT Jalandhar from 11 Feb 2020. 6. Attended Two Days Faculty Development Program on “**Pedagogical Skills for Teachers**” **from 22-23 July** **2018** at Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab India, Sponsored by TEQIP-III. 7. Attended Five days Faculty Development Program, National Type on “**Emerging Trends in Industrial Systems” (ETIS-18)**” at Dr B R Ambedkar NIT Jalandhar from dated **from 09 -13 July, 2018**, Sponsored by TEQIP-III. 8. Attended One Week Faculty Development Program, National Type on “**Quality, Reliability and Maintainability Aspects in Industry**” at Dr B R Ambedkar NIT Jalandhar dated **from 2-6 July 2018**, Sponsored by TEQIP-III. |
| **VARIOUS OFFICE POST/ACHIEVEMENT/AWARDS/FELLOWSHIP/EXTRA CURRICULAR ACTIVITIES/COMMUNITY SERVICES/ MEMBERSHIP/COORDINATOR & COORDINATOR** |
| **COORDINATOR, CO-COORDINATORS & ACADEMIC MEMBER OF VARIOUS COMMITTEE:**   1. TPO Coordinator since Jan 2023 2. DPGC Secretary, Department of ICE, NIT Jalandhar 3. Co-Coordinator, Horticulture, NIT Jalandhar: 4. Member: BOS, Center of Artificial Intelligence, NIT Jalandhar 5. Committee Member for conducting of written test, Evaluation of Answers Sheet and Recommendation of MTech Self Sponsored candidates for the admission to MTech Renewable Energy during academic session 2022-2023 6. Lab In-charge: Measurement and Circuit Theory Lab 7. Media Cell (Coordinator) 8. Head, Social Media Champion (All India Level) 9. OSD to Hon’ble Director NITJ from 23/04/2019. 10. Principle Investigator (Electronic Section) Tinkering Lab (Institute Level) 11. Ex-office coordinator-Departmental Coordinator Raj-Bhasha 12. Departmental Coordinator NBA Accreditation UG 13. Departmental Coordinator BOS (UG) 14. Departmental Coordinator: Non-Teaching Scrutiny, PhD Admission (ICE) 15. Institute Member: Non-Teaching Scrutiny (ICE, ECE, EE and IT) 16. Institute Member: Teaching Faculty Scrutiny (EE and ICE)   **MEMBERSHIP:**   1. IEEE Senior Member 2. Secretary: STEM Research Society 3. Life Time Member: **Instrumentation Society of India**, IISC Bangalore, India.   **EDITORIAL BOARD:**   1. **Editor:** Open Journal of Optimization, Scientific Research Publishing. 2. **Associate Editor:** International Journal of Security and Privacy in Pervasive Computing (IJSPPC), IGI Global. 3. **Editorial Review Board Member:** Mechanical and Mechatronics Engineering, **World Academy of Science, Engineering and Technology, USA**.   **REVIEWER(s):**   1. Reviewer of **Energy** Journal, Elsevier. 2. Reviewer of **Knowledge System** Journal, Elsevier. 3. Reviewer of **Pattern Recognition Letter**, Elsevier. 4. Reviewer of **Ambient Intelligence & Humanized Computing**, Springer. 5. Reviewer of **Multimedia and Tools**, Springer. 6. Reviewer of **International Journal of Computers & Technology**. 7. Reviewer of **International Journal of Industrial Engineering: Theory, Applications and Practice**. 8. Reviewer of **Journal of Medical and Biological Engineering**, Springer. 9. Reviewer of **International Journal of System Assurance Engineering and Management**, Springer. 10. Reviewer of **International Journal of Electrical and Computer Engineering.** 11. Reviewer of **International Journal of Advances in Applied Sciences** |
| **VISIT TO OUTSIDE INSTITUTE/ ORGANIZATION** |
| 1. **Israel Discover Programme**: Member of Innovation Delegation from India, Sponsored by Ministry of Foreign Affair, State of Israel, from 01-06 September 2018 |
| **PERSONAL INFORMATION** |
| | **Date of Birth** | April 24, 1985 | | --- | --- | | **Gender** | Male | | **Marital Status** | Married | | **Mother Name** | Late. Meena Verma | | **Father Name** | Sri. Ramesh Chandra Verma | | **Spouse Name** | Mrs. Snigdha Shakya | | **Daughter Name** | Ms. Tushika Tehzeeb | | **Nationality** | Indian | | **Employee ID** | 1840 | | **Aadhar Number** | 411420787101 | | **Passport Number** | N0140853 | | **PAN Number** | AGLPV4533A | | **Languages Known** | English, Hindi | | **Corresponding Address** | Dr. Om Prakash Verma, Assistant Professor, Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar, Punjab-144011 | | **Address of Residence** | Dr. Om Prakash Verma, B-9, 2nd Floor, Dr B R Ambedkar NIT Jalandhar, Punjab-144011. | |

**Declaration:** I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.



**Place:** Department of Instrumentation and Control Engineering,

Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab, India

**Date:** **SIGNATURE**