



| Title                                                   | Prof.     | First Name                                                | Manoj Kumar | Last Name                                                                                    | Singh | Photograph                                                                          |
|---------------------------------------------------------|-----------|-----------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|
| Designation                                             |           | Professor                                                 |             |                                                                                              |       |  |
| Department                                              |           | Department of Mechanical Engineering                      |             |                                                                                              |       |                                                                                     |
| Address                                                 | Campus    | 39, Phase-3, Ashish Royal Park, Bareilly, U.P. Pin-243006 |             |                                                                                              |       |                                                                                     |
|                                                         | Residence |                                                           |             |                                                                                              |       |                                                                                     |
| Mobile No.                                              |           | 9457113429                                                |             |                                                                                              |       |                                                                                     |
| Email ID                                                |           | Personal                                                  |             | <a href="mailto:manojksiet@gmail.com">manojksiet@gmail.com</a>                               |       |                                                                                     |
|                                                         |           | University Domain                                         |             | <a href="mailto:manojksiet@mjpru.ac.in">manojksiet@mjpru.ac.in</a>                           |       |                                                                                     |
| Professional Networking ID, i.e. Linkedin, Twitter etc. |           |                                                           |             |                                                                                              |       |                                                                                     |
| Educational Qualification (Graduation Onwards)          |           |                                                           |             |                                                                                              |       |                                                                                     |
| Course/Degree                                           |           | Institution                                               | Year        | Details/Thesis Topic/Subjects                                                                |       |                                                                                     |
| B. Tech.                                                |           | MJPRU                                                     | 2000        | B. Tech in Mechanical Engineering                                                            |       |                                                                                     |
| M. Tech.                                                |           | IIT Delhi                                                 | 2009        | M. Tech in Industrial Engineering                                                            |       |                                                                                     |
| Ph.D                                                    |           | IIT Delhi                                                 | 2018        | Competitiveness of The Electronics Manufacturing Industry In India: A Study of Select Issues |       |                                                                                     |
| Career Profile                                          |           |                                                           |             |                                                                                              |       |                                                                                     |
| Organization/ Institution                               |           | Designation                                               |             | Duration                                                                                     |       | Name of Duties                                                                      |
| MJPRU                                                   |           | Assistant Professor                                       |             | 2002-2018                                                                                    |       | Teaching                                                                            |
| MJPRU                                                   |           | Associate Professor                                       |             | 2018-2026                                                                                    |       | Teaching                                                                            |
| MJPRU                                                   |           | Professor                                                 |             | 2026- onwards Continue                                                                       |       | Teaching                                                                            |
| Research Interests/Specialization                       |           |                                                           |             |                                                                                              |       |                                                                                     |
| Strategy, Industrial Policies, Manufacturing            |           |                                                           |             |                                                                                              |       |                                                                                     |
| Research Experience in Years: 03 Years during Ph.D work |           |                                                           |             |                                                                                              |       |                                                                                     |

| No. of Research Scholars Successfully Guided                                                                                                                                                                                                                                                                                                                                                |                                    |                                                 |                                                      |                                                 |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------------------------|-------------------------------------------------|----------------|
| Name of Programme                                                                                                                                                                                                                                                                                                                                                                           |                                    | Awarded                                         |                                                      | Under Supervision                               |                |
| Ph.D.                                                                                                                                                                                                                                                                                                                                                                                       |                                    | 01                                              |                                                      | 02                                              |                |
| Researcher/<br>Expert ID                                                                                                                                                                                                                                                                                                                                                                    | Scopus                             | Orchid                                          | Publons                                              | Vidwan                                          | Google Scholar |
|                                                                                                                                                                                                                                                                                                                                                                                             | 57214312794                        | 0000-0001-8535-1886                             | S-8650-2016                                          | 154249                                          | DBN-2DIAAAAJ   |
|                                                                                                                                                                                                                                                                                                                                                                                             | H-Index                            | I 10-Index                                      | Citations                                            |                                                 |                |
|                                                                                                                                                                                                                                                                                                                                                                                             | 14<br>as on<br>16.09.2025          | 15<br>as on<br>16.09.2025                       | 1145<br>as on<br>16.09.2025                          |                                                 |                |
| Teaching Experience (Subjects/Courses Taught)                                                                                                                                                                                                                                                                                                                                               |                                    |                                                 |                                                      |                                                 |                |
| 22 Years                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                 |                                                      |                                                 |                |
| <b>Courses Taught</b> <ol style="list-style-type: none"> <li>1. Manufacturing Technology</li> <li>2. Production Process-I</li> <li>3. Production Process-II</li> <li>4. Automatic Mechanics</li> <li>5. Statistical Quality Control</li> <li>6. Production Planning and Control</li> <li>7. Operation Management</li> <li>8. Industrial Management</li> <li>9. Value Engineering</li> </ol> |                                    |                                                 |                                                      |                                                 |                |
| Honours/Awards & Fellowship FOR OUTSTANDING WORK                                                                                                                                                                                                                                                                                                                                            |                                    |                                                 |                                                      |                                                 |                |
| S.No                                                                                                                                                                                                                                                                                                                                                                                        | Name of Award/<br>Fellowship       | Awarded By                                      |                                                      |                                                 |                |
|                                                                                                                                                                                                                                                                                                                                                                                             |                                    | Name of Governmental Agency                     | Name of Government Supported Organization Department | Name of International Recognized Body           |                |
| 1                                                                                                                                                                                                                                                                                                                                                                                           | National Overseas Scholarship 2007 | Ministry of Social Justice and Empowerment, GoI | Ministry of Social Justice and Empowerment, GoI      | Ministry of Social Justice and Empowerment, GoI |                |
| 2                                                                                                                                                                                                                                                                                                                                                                                           | National Overseas Scholarship 2011 | Ministry of Social Justice and Empowerment, GoI | Ministry of Social Justice and Empowerment, GoI      | Ministry of Social Justice and Empowerment, GoI |                |

|   |                                   |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                                  |
|---|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | 2014 AGBA Scholar                 | Academy for Global Business Advancement (AGBA) 11 <sup>th</sup> Annual World Congress- Business and Entrepreneurship development in globalised Era and Rise of India under new leadership, IIT Delhi | Academy for Global Business Advancement (AGBA) 11 <sup>th</sup> Annual World Congress- Business and Entrepreneurship development in globalised Era and Rise of India under new leadership, IIT Delhi | Academy for Global Business Advancement                                                                                                          |
| 4 | Best Paper Award Certificate 2019 | Academy for Global Business Advancement (AGBA) 16 <sup>th</sup> Annual World Congress, IIT Delhi                                                                                                     | Academy for Global Business Advancement (AGBA) 16 <sup>th</sup> Annual World Congress, IIT Delhi                                                                                                     | Academy for Global Business Advancement                                                                                                          |
| 5 | Best Teacher Award-2021           | Dr. Sarvepalli Radhakrishnan Best Teacher Award-2021 in Industrial Engineering, Center for Professional Advancement Continuous Education (CPACE)                                                     | Dr. Sarvepalli Radhakrishnan Best Teacher Award-2021 in Industrial Engineering, Center for Professional Advancement Continuous Education (CPACE)                                                     | Dr. Sarvepalli Radhakrishnan Best Teacher Award-2021 in Industrial Engineering, Center for Professional Advancement Continuous Education (CPACE) |
| 6 | Out Standing Scientist Award 2021 | Out Standing Scientist Award, International Conference for award winners on Engineering, Science and Medicine,                                                                                       | Out Standing Scientist Award, International Conference for award winners on Engineering, Science and Medicine, Chennai, India, organized                                                             | Out Standing Scientist Award, International Conference for award winners on Engineering, Science and Medicine, Chennai, India, organized         |

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|  |  | Chennai, India,<br>organized by<br>VDGOOD<br>Professional<br>Association. | by VDGOOD<br>Professional Association. | by VDGOOD Professional<br>Association. |
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**Publication/Academic Activities (Numbers Only)**

|                                              |    |                                                               |    |                                                    |    |                                                      |    |                                                                    |    |
|----------------------------------------------|----|---------------------------------------------------------------|----|----------------------------------------------------|----|------------------------------------------------------|----|--------------------------------------------------------------------|----|
| Books &<br>Monograph<br>s (Single<br>Author) |    | Research Papers<br>Published in<br>International<br>Journals  | 29 | Papers<br>Presented in<br>Seminar/<br>Conferences  | 29 | Seminar/<br>Conferences<br>Organized                 | 06 | Research<br>Project<br>(Completed)                                 | 05 |
| Books (Co-<br>authored)                      | 05 | Research Papers<br>Published in<br>Other Journals             |    | Seminar/<br>Conferences<br>Attended                | 25 | Workshops<br>Organized                               | 17 | Research<br>Project<br>(Ongoing)                                   | 02 |
| Books<br>(Edited)                            | 01 | Articles<br>Published in<br>Popular For a,<br>e.g., Websites, |    | Sessions<br>Chaired in<br>Seminars/<br>Conferences |    | Membership<br>of Academic/<br>Professional<br>Bodies | 02 | Foreign<br>Countries<br>Visited for<br>Academic<br>Assignment<br>s | 02 |
| Chapters in<br>Edited<br>Books               | 06 | Blogs<br>Newspapers,<br>Magazines etc                         |    | Resource<br>Lectures<br>Delivered                  | 03 |                                                      |    |                                                                    |    |

**Details of Publication / Academic Activities (2010 Onwards)**

**(a) Authorised Books/ Monographs**

| S.No. | Name of Book                                                            | Year of<br>Publication | Publisher                               | ISBN No.          |
|-------|-------------------------------------------------------------------------|------------------------|-----------------------------------------|-------------------|
| 1     | Sustainable Smart Industry 4.0<br>Future Assessment                     | 2021                   | IIP InSc<br>International<br>Publishers | 978-1-956102-54-3 |
| 2     | Technological advances and<br>applications in Additive<br>Manufacturing | 2021                   | IIP InSc<br>International<br>Publishers | 978-1-956102-77-2 |
| 3     | Reforms and Disinvestment of<br>Public Enterprises                      | 2019                   | Lulu Publication,<br>USA                | 978-1-387-53967-3 |
| 4     | Operations Management                                                   | 2019                   | Kindle direct<br>publishing             | 978-981-16-5281-3 |

|                                                                              |                            |                                                                                                                                  |                                                                      |                   |                  |                      |
|------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------|------------------|----------------------|
| 5                                                                            | Environmental Management   | 2019                                                                                                                             | Kindle direct publishing                                             | 979-8-493-03684-2 |                  |                      |
| <b>(b) Edited Books</b>                                                      |                            |                                                                                                                                  |                                                                      |                   |                  |                      |
| <b>Year of Publication</b>                                                   | <b>Title</b>               | <b>Publisher</b>                                                                                                                 | <b>ISBN No.</b>                                                      | <b>DOI No.</b>    | <b>Citations</b> |                      |
|                                                                              |                            |                                                                                                                                  |                                                                      |                   |                  |                      |
| <b>(c) Papers Published in UGC Care Listed/Indexd/Peer Reviewed Journals</b> |                            |                                                                                                                                  |                                                                      |                   |                  |                      |
| <b>S.No</b>                                                                  | <b>Year of Publication</b> | <b>Title</b>                                                                                                                     | <b>Name of Journals</b>                                              | <b>ISBN No.</b>   | <b>Citations</b> | <b>Impact Factor</b> |
| 1                                                                            | 2013                       | Hollistic View of BPR for E-District Services                                                                                    | International Journal of Advance Research in Science and Engineering | 2319-8354 (E)     |                  | 1.11 (2020-2021)     |
| 2                                                                            | 2017                       | Evaluating the competitiveness of Indian metro cities: in smart city context                                                     | International Journals Information Technology and Management         | 1461-4111         | 16               | 0.62 (Scopus)        |
| 3                                                                            | 2018                       | Analyzing the Determinants Affecting the Industrial Competitiveness of Electronics Manufacturing in India by Using TISM and AHP. | Global Journal of Flexible Systems Management                        | 0972-2696         | 40               | 7.018 (Scopus)       |
| 4                                                                            | 2018                       | Socio-influences of users’ generated content in emerging markets                                                                 | Marketing Intelligence and Planning                                  | 0263-4503         | 22               | 4.443 (SCI)          |
| 5                                                                            | 2018                       | Smart neighborhood: A TISM approach to reduce urban polarization for the                                                         | Journal of Science and Technology Policy Management (2018)           | 2053-4620         | 27               | 3.268 (SCI)          |

|    |      |                                                                                                                                                     |                                                        |           |    |              |
|----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------|----|--------------|
|    |      | sustainable development of smart cities                                                                                                             |                                                        |           |    |              |
| 6  | 2018 | Competitiveness of the Indian electronics manufacturing industry: an ISM-Fuzzy MICMAC and AHP Approach                                              | Measuring Business Excellence                          | 1368-3047 | 24 | 2.69 (SCI)   |
| 7  | 2019 | A policy framework for city eligibility analysis: A TISM and fuzzy-MICMAC weighted approach to select a city for smart city transformation in India | Land Use Policy Elsevier (2019)                        | 0264-8377 | 60 | 6.403 (SCI)  |
| 8  | 2020 | Moving towards smart cities: Solutions that lead to the Smart City Transformation Framework                                                         | Journal of Technological Forecasting and Social Change | 0040-1625 |    | 11.146 (SCI) |
| 9  | 2021 | A State of Art Review On Behavioral study of Work Roll made by AISI D2 HCHCr Tool Steel."                                                           | Design Engineering (2021): 13616-13627.                | 0011-9342 |    |              |
| 10 | 2021 | "Identification and Prioritization of Properties for Composite Materials Usage in Automobiles: An Analytical Hierarchical Process (AHP) Approach."  | Design Engineering (2021): 12751-12764.                | 0011-9342 |    |              |
| 11 | 2021 | "Seasonal Variations of Lead Accumulation in the                                                                                                    | Design Engineering (2021): 15655-15666.                | 0011-9342 |    |              |

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|----|------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------|---|-------------------|
|    |      | Spinacea Oleracea Linn.<br>During 2014-2017."                                                                             |                                                                                |           |   |                   |
| 12 | 2021 | Power quality issues in Autonomous Solar photovoltaic utility microgrid employing a STATCOM Based Intelligent Controller, | Journal of nuclear energy science and power generation technology 10:10 (2021) | 2325-9809 | 3 | 0.167<br>(Scopus) |
| 13 | 2021 | Artificial Neural Network based Advanced Algorithm for New Generation Solar PV Systems                                    | Journal of nuclear energy science and power generation technology 10:10 (2021) | 2325-9809 |   | 0.167<br>(Scopus) |
| 14 | 2021 | A Smart Grid Energy Management Optimization Technique                                                                     | Journal of nuclear energy science and power generation technology 10:10 (2021) | 2325-9809 |   | 0.167<br>(Scopus) |
| 15 | 2021 | A Compressive Review on Solar Air Heater Heat Transfer and Friction Characteristic                                        | Journal of Nuclear Energy Science & Power Generation Technology 10:11 (2021)   | 2325-9809 |   | 0.167<br>(Scopus) |
| 16 | 2021 | "Smart Farming Technologies in Agriculture in India."                                                                     | International Journal of Modern Agriculture 10, no. 2 (2021)                   | 2365-7246 |   |                   |
| 17 | 2021 | An experimental and computational investigation of the flow fields using Accelerated Erosion Test Ring (AETR)             | Journal of Engineering Research, ICCEMME Special Issue (2021)                  | 2021      |   | (SCI)             |

|    |      |                                                                                                                                                                               |                                                                    |           |    |                   |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------|----|-------------------|
| 18 | 2021 | Field localization and density cavitation in low beta plasma, Laser and Particle Beams                                                                                        | Laser and particle beams Journal Cambridge University Press (2021) | 0263-0346 |    | 0.884<br>(Scopus) |
| 19 | 2021 | Experimental investigation of desiccant dehumidification Based Thermoelectric Air-Conditioning System                                                                         | Journal of Engineering Research (JER)                              | 2307-1885 |    | 0.193<br>(SCI)    |
| 20 | 2022 | Analyzing an Evacuated Tube Solar Water Heating System using Twin-Nano/Paraffin as Phase Change Material                                                                      | Materials Today: Proceedings. 2022                                 | 2214-7853 | 40 | 25286<br>(Scopus) |
| 21 | 2022 | Experimental analysis of the metal roofed industrial building using Nano-Silica disbanded crude wax (NDCW)                                                                    | Materials Today: Proceedings. 2022                                 | 2214-7853 | 39 | 25286<br>(Scopus) |
| 22 | 2022 | Experimental investigations on the Wear Behaviour of Eutectic Al 7075/CNT/Graphite Composites Manufactured by a Combination of Two Stage Stir and Squeeze Casting Techniques. | Hindawi Journal of Nanomaterials                                   | 1687-4129 | 3  | 3.371<br>(Scopus) |
| 23 | 2022 | Optimization and wear properties for the composites of metal matrix AA8011/Boron                                                                                              | Hindawi Journal of Nanomaterials                                   | 1687-4129 | 5  | 3.371<br>(Scopus) |

|                                                    |      | Nitride using Taguchi method                                                                                             |                                                                                |                                                                                                     |              |                |
|----------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|----------------|
| 24                                                 | 2022 | Study on the impact of Nano-reinforcements on the fatigue strength of adhesive joints                                    | Materials Today: Proceedings. 2022                                             | 2214-7853                                                                                           | 2            | 25286 (Scopus) |
| 25                                                 | 2022 | Wireless Sensor Networks: Issues, Algorithms and Applications                                                            | Design Engineering                                                             | 0011-9342                                                                                           |              |                |
| 26                                                 | 2023 | A Comparative Analysis of Ribs and Cans Type Solar Air Heater                                                            | Evergreen Joint Journal of Novel Carbon Resource Sciences& Green Asia Strategy | 2189-0420 (Print)<br>2432-5953 (Online)                                                             |              | 0.744 (Scopus) |
| 27                                                 | 2023 | Optimum design and analysis of solar pump with the help of genetic algorithm, a MATLAB toll and RSM toll at minimum cost | Environmental Progress & Sustainable Energy                                    | 1944-7442 (Print)<br>1944-7450 (Online))                                                            |              | 2.8 (Scopus)   |
| 28                                                 | 2023 | Performance optimization of solar operating by PV module                                                                 | Environmental Progress & Sustainable Energy                                    | 1944-7442 (Print)<br>1944-7450 (Online)                                                             |              | 2.8 (Scopus)   |
| 29                                                 | 2025 | Machine Learning Based Parametric Optimization and Porosity Mapping in Selective Laser Melting of SS316L Alloy           | Journal of Materials Engineering and Performance                               | <a href="https://doi.org/10.1007/s11665-025-11726-0">https://doi.org/10.1007/s11665-025-11726-0</a> | 4.4          | 2.3 (Scopus)   |
| <b>(d) Chapter/Paper Published in Edited Books</b> |      |                                                                                                                          |                                                                                |                                                                                                     |              |                |
| S.No                                               | Year | Chapter in Edited Books                                                                                                  | Publisher's Details                                                            | Level                                                                                               | ISSN/ISBN No |                |

|   |      |                                                                                                                                          |                                                                   |               |                   |
|---|------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------|-------------------|
| 1 | 2018 | A Glimpse of Sustainable Electronics Manufacturing for India: A Study Using PEST-SWOT Analysis                                           | Global Value Chains, Flexibility and Sustainability<br>Springer   | International | 978-981-10-8929-9 |
| 2 | 2019 | Numerical simulation of flow past a flat plate with anti-singing trailing edge                                                           | IOP conference series: material science and engineering           | International | 691 (2019)012021  |
| 3 | 2020 | Experimental investigation on the performance of nano boric acid suspensions in coconut oil during milling operation on AI 6061-T6 alloy | IOP conference series: material science and engineering           | International | 988 (2020) 011001 |
| 4 | 2021 | Experimental analysis of a thermoelectric air-conditioning system with desiccant dehumidification                                        | Recent advances in industrial production<br>Springer<br>Singapore | International | 978-981-16-5281-3 |
| 5 | 2021 | An experimental investigation of ribbed solar air heater-free convection                                                                 | Recent advances in industrial production<br>Springer<br>Singapore | International | 978-981-16-5281-3 |
| 6 | 2024 | Additive Manufacturing and Its Industrial Applications, Volume-2                                                                         | Advances in Material Technology                                   | National      | 978-81-968820-3-7 |

**(e) Patents (PUBLISHED/GRANTED)**

| S. No. | Year | Title of Patents                      | Funding Agency               | Level    | Application No. |
|--------|------|---------------------------------------|------------------------------|----------|-----------------|
| 1      | 2018 | Stone Crushing Machine<br>(PUBLISHED) | NPIU/MHRD/GoI<br>(TEQIP-III) | National | 201811035040    |

|    |      |                                                                                                                                                                                          |                                           |               |                                                                 |
|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------|-----------------------------------------------------------------|
| 2  | 2019 | A Solar Heating Apparatus<br><b>(PUBLISHED)</b>                                                                                                                                          | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 201911037065                                                    |
| 3  | 2019 | Pneumatic Chips Collecting<br>Apparatus <b>(PUBLISHED)</b>                                                                                                                               | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 201911012059                                                    |
| 4  | 2020 | Buvt -face recognition bot: face<br>recognition bot their unique<br>voice using IoT-based<br>technology <b>(Granted)</b>                                                                 | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | Application No.<br>202011041947<br>Patent Granted<br>No. 538610 |
| 5  | 2020 | AMTH- Biomedical Waste<br>Management: An IOT- Based<br>System for Biomedical Waste<br>Management Including<br>Ayurveda Hospitals<br><b>(GRANTED)</b>                                     | NPIU/MHRD/GoI<br>(TEQIP-III)              | International | 2020103095                                                      |
| 6  | 2021 | Solar Tracking System<br><b>(PUBLISHED)</b>                                                                                                                                              | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 202111013372                                                    |
| 7  | 2021 | A machine learning and IOT<br>based system for incorrect<br>posture detection<br><b>(PUBLISHED)</b>                                                                                      | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 202121037944                                                    |
| 8  | 2021 | An Experimental Study carried<br>out in orthogonal section on the<br>titanium alloy TI-6AL-4V Using<br>the Kinematic <b>(PUBLISHED)</b>                                                  | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 202141041759                                                    |
| 9  | 2021 | Experimental Investigation of<br>Hybrid gas turbine and Hybrid<br>steam Turbine to investigate the<br>possibility of utilizing solar<br>energy in a combined cycle<br><b>(PUBLISHED)</b> | NPIU/MHRD/GoI<br>(TEQIP-III)              | National      | 202141049062                                                    |
| 10 | 2022 | A Metal Detector Robotic<br>Device <b>(GRANTED)</b>                                                                                                                                      | Government of<br>India (GoI)              | National      | Patent Granted<br>No. 356017-001                                |
| 11 | 2024 | Analysis of dead tissues in<br>medical images using edge                                                                                                                                 | M.J.P. Rohilkhand<br>University, Bareilly | National      | 202411035979                                                    |

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|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|--------------|
|    |      | detection techniques<br><b>(PUBLISHED)</b>                                                                                                                       |                                        |          |              |
| 12 | 2024 | An approach towards skin-based signal transmission Technology<br><b>(PUBLISHED)</b>                                                                              | M.J.P. Rohilkhand University, Bareilly | National | 202411055484 |
| 13 | 2024 | Agriculture land estimation from satellite images using hybrid intelligence <b>(PUBLISHED)</b>                                                                   | M.J.P. Rohilkhand University, Bareilly | National | 202411055488 |
| 14 | 2024 | Design and analysis of collaborative robots (Cobots) to investigate their role in industrial applications and safety<br><b>(PUBLISHED)</b>                       | M.J.P. Rohilkhand University, Bareilly | National | 202411034960 |
| 15 | 2024 | Role of machine learning and artificial intelligence techniques to enable robots to learn and adapt to dynamic environments<br><b>(PUBLISHED)</b>                | M.J.P. Rohilkhand University, Bareilly | National | 202411034972 |
| 16 | 2024 | Integrating renewable energy sources into mechanical systems and focusing on efficiency and reliability in renewable energy environments <b>(PUBLISHED)</b>      | M.J.P. Rohilkhand University, Bareilly | National | 202411034975 |
| 17 | 2024 | Analysis of research algorithms and systems for autonomous navigation and decision-making in robotic applications for the medical industry<br><b>(PUBLISHED)</b> | M.J.P. Rohilkhand University, Bareilly | National | 202411034970 |
| 18 | 2024 | Analysis of waste heat recovery efficiently capture and utilize waste heat from industrial processes for energy generation<br><b>(PUBLISHED)</b>                 | M.J.P. Rohilkhand University, Bareilly | National | 202411035552 |

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| 19 | 2024 | IOT based remote patient monitoring system<br><b>(GRANTED)</b>                                          | M.J.P. Rohilkhand University, Bareilly | National | 442781-001<br>Design Patent |
| 20 | 2024 | AI based soil moisture level indicator <b>(GRANTED)</b>                                                 | M.J.P. Rohilkhand University, Bareilly | National | 442779-001<br>Design Patent |
| 21 | 2024 | Voice assisted learning device for visually impaired students <b>(GRANTED)</b>                          | M.J.P. Rohilkhand University, Bareilly | National | 442861-001<br>Design Patent |
| 22 | 2024 | Smart wearable mental health diagnostic device                                                          | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 23 | 2024 | AI based network intrusion detection device                                                             | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 24 | 2024 | Artificial intelligence-based device for early detection of cardiovascular diseases<br><b>(GRANTED)</b> | M.J.P. Rohilkhand University, Bareilly | National | 443152-001<br>Design Patent |
| 25 | 2024 | AI based skin cancer detection device <b>(GRANTED)</b>                                                  | M.J.P. Rohilkhand University, Bareilly | National | 442871-001<br>Design Patent |
| 26 | 2024 | IOT based indoor air purification device <b>(GRANTED)</b>                                               | M.J.P. Rohilkhand University, Bareilly | National | 443257-001<br>Design Patent |
| 27 | 2024 | AI based camera for healthcare management                                                               | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 28 | 2024 | Artificial intelligence based stress detection device<br><b>(GRANTED)</b>                               | M.J.P. Rohilkhand University, Bareilly | National | 444505-001<br>Design Patent |
| 29 | 2024 | Smart water boiling device with alert mechanism <b>(GRANTED)</b>                                        | M.J.P. Rohilkhand University, Bareilly | National | 442982-001<br>Design Patent |
| 30 | 2024 | AI based chemical mixing device for agriculture farm<br><b>(GRANTED)</b>                                | M.J.P. Rohilkhand University, Bareilly | National | 443369-001<br>Design Patent |
| 31 | 2024 | Portable device for measuring glucose level through saliva<br><b>(GRANTED)</b>                          | M.J.P. Rohilkhand University, Bareilly | National | 444286-001<br>Design Patent |

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| 32 | 2024 | AI-based wireless electricity consumption monitoring device                  | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 33 | 2024 | Medical device for measuring bodily fluid in neonates<br><b>(GRANTED)</b>    | M.J.P. Rohilkhand University, Bareilly | National | 443911-001<br>Design Patent |
| 34 | 2024 | Agriculture drone for monitoring and spraying pesticides<br><b>(GRANTED)</b> | M.J.P. Rohilkhand University, Bareilly | National | 444503-001<br>Design Patent |
| 35 | 2024 | AI-based plant extract analysing device to identify disease                  | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 36 | 2024 | Automated prescription drug dispensing device <b>(GRANTED)</b>               | M.J.P. Rohilkhand University, Bareilly | National | 443536-001<br>Design Patent |
| 37 | 2024 | Solar-powered electric vehicle charging station <b>(GRANTED)</b>             | M.J.P. Rohilkhand University, Bareilly | National | 443904-001<br>Design Patent |
| 38 | 2024 | Smart switches with led lights to indicate switch state                      | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 39 | 2024 | AI-enabled charging station for electric vehicles <b>(GRANTED)</b>           | M.J.P. Rohilkhand University, Bareilly | National | 444739-001<br>Design Patent |
| 40 | 2024 | Smart device for mental health assessment                                    | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 41 | 2024 | Artificial intelligence-based eyewear for partially blind person             | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 42 | 2024 | AI-based device for traffic management and navigation                        | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 43 | 2024 | Smart device for monitoring the health of horticultural plants               | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 44 | 2024 | Biosensor device to detect lung cancer using machine learning                | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 45 | 2024 | Smart portable industrial hydraulic drum lift machine                        | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |
| 46 | 2024 | Smart health monitoring wearable device                                      | M.J.P. Rohilkhand University, Bareilly | National | Under Process               |

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|----|------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|---------------|
| 47 | 2024 | AI-based medicine dispensing device                                                                                        | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 48 | 2024 | Portable billboard for marketing and promotion                                                                             | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 49 | 2024 | AI-based smart goggles for construction labours                                                                            | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 50 | 2024 | Brain tumor detection device                                                                                               | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 51 | 2024 | Portable solar-powered water purifier                                                                                      | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 52 | 2024 | Health check-up device for pet animals                                                                                     | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 53 | 2024 | Stress and anxiety detection wristband                                                                                     | M.J.P. Rohilkhand University, Bareilly | National | Under Process |
| 54 | 2025 | Variable-Dihedral, Dual-Mode Yaw Vectoring Tri-Copter with Modular Multi-Role Payload Bay <b>(PUBLISHED)</b>               | M.J.P. Rohilkhand University, Bareilly | National | 202511098873  |
| 55 | 2025 | Nine-Level Common Ground Switched Capacitor Inverter with Enhanced Voltage Boost and Minimal Switches. <b>(FILED)</b>      | M.J.P. Rohilkhand University, Bareilly | National | 202511053185  |
| 56 | 2025 | Integrated Soil Nutrient, Environmental Parameter and Image Monitoring System for Spinach Yield Prediction. <b>(FILED)</b> | M.J.P. Rohilkhand University, Bareilly | National | 202611038511  |

**(f) Projects (With Title, Year, Grants, Funding Agency and Collaborations)**

| S.No | Year | Name of Project                                                            | Funding Agency                   | Amount          | Duration |      |
|------|------|----------------------------------------------------------------------------|----------------------------------|-----------------|----------|------|
|      |      |                                                                            |                                  |                 | From     | Till |
| 1    | 2010 | Technical Education Quality Improvement Programme (TEQIP-II) (Coordinator) | NPIU/MHRD/GoI (TEQIP-II Project) | Rs. 10.00 Crore | 2010     | 2012 |

|   |      |                                                                                                                                                                                            |                                                   |                    |              |          |
|---|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------|--------------|----------|
| 2 | 2017 | Technical Education Quality Improvement Programme<br>TEQIP-III (Coordinator)                                                                                                               | NPIU/MHRD/GoI<br>(TEQIP-III Project)              | Rs. 10.00<br>Crore | 2017         | 2022     |
| 3 | 2019 | Determinants of Indian electronics manufacturing competitiveness industries: A TISMAHP approach (PI)                                                                                       | NPIU/MHRD/GoI<br>(TEQIP-III Project)              | Rs. 2.00<br>Lakhs  | 2019         | 2021     |
| 4 | 2019 | Development of solar power thermo electric cooler using desiccant dehumidification (Co-PI)                                                                                                 | NPIU/MHRD/GoI<br>(TEQIP-III Project)              | Rs. 10.21<br>Lakhs | 2019         | 2021     |
| 5 | 2019 | Hybrid solar air heater for space heating and crop drying (Co-PI)                                                                                                                          | NPIU/MHRD/GoI<br>(TEQIP-III Project)              | Rs. 12.61<br>Lakhs | 2019         | 2021     |
| 6 | 2023 | Monitoring of sustainable agriculture of small farms wielding Image processing integrating with Sensor Antenna and Machine learning for improving socio-economic status of farmers (Co-PI) | Science and Engineering Research Board, New Delhi | Rs. 27.02<br>Lakhs | 08 May, 2023 | On-going |
| 7 | 2023 | Development of an artificial intelligent based asset inspection system for the Energy Industries with scouting drones. (Co-PI)<br>(Project ID 3246)                                        | Council of Science & Technology, U.P.             | Rs. 14.58<br>Lakhs | 19 Oct. 2023 | On-going |

**(g) Research Guidance**

| S.No. | Name of Ph.D. Candidate | Title                                                                                                                             | University                            | Submitted | Awarded |
|-------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------|---------|
| 1     | Mohammed Nadeem Khalid  | Experimental study of hardness and fatigue behaviour in joining of similar, dissimilar and alloy metals by friction stir welding. | Shri Venkateshwara University, Amroha |           | Awarded |

|   |               |                                                               |                                       |           |  |
|---|---------------|---------------------------------------------------------------|---------------------------------------|-----------|--|
| 2 | Savrabh Kawar | Energy efficient & Fault Tolerance in Wireless Sensor Network | Shri Venkateshwara University, Amroha | Submitted |  |
|---|---------------|---------------------------------------------------------------|---------------------------------------|-----------|--|

**(h) Administrative Positions/Assignments Held**

| S.No. | Post                             | Organization           | Duration   |           |
|-------|----------------------------------|------------------------|------------|-----------|
|       |                                  |                        | From       | Till      |
| 1     | In-Charge, Mech. Engg.           | Mechanical Engg, MJPRU | Aug. 2009  | 2012      |
| 2     | TEQIP-II Coordinator             | FET, MJPRU             | Oct. 2010  | 2012      |
| 3     | TEQIP-III Coordinator            | FET, MJPRU             | Sept. 2017 | 2022      |
| 4     | Head, Mech. Engg.                | Mechanical Engg, MJPRU | July 2018  | 2020      |
| 5     | Convenor, Diploma in Engineering | FET, MJPRU             | Nov. 2020  | Continues |
| 6     | Proctor, Mech. Engg.             | Mechanical Engg, MJPRU | Nov. 2021  | 2023      |
| 7     | Head, Mech. Engg.                | Mechanical Engg, MJPRU | June 2023  | 2026      |
| 8     | IPR Cell Coordinator             | MJPRU                  | Sept. 2023 | Continues |
| 9     | Proctor, Chemical Engg.          | Chemical Engg, MJPRU   | July 2024  | 2026      |
| 10    | Training and Placement Officer   | MJPRU                  | Dec. 2024  | Continues |
|       |                                  |                        |            |           |

**(i) Seminar/Conference Presentations**

| S.No. | Title of paper presented                                                              | Conferences / Seminars / Workshops attended                                                                                                                            | International/<br>National        |
|-------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 1     | Sap-Lap inquiry Model for Technology commercialization: A case of automobiles product | XVI Annual International Conference of Society of Operations Management at IIT Delhi jointly organized by IIT Delhi, IIM Lucknow and GVSU, USA<br>21-23 December, 2012 | International<br>(within Country) |
| 2     | Decision support systems for Ghaziabad E-District: A case of routing for stakeholder  | XVI Annual International Conference of Society of Operations Management at IIT Delhi jointly organized by IIT Delhi, IIM Lucknow and GVSU, USA<br>21-23 December, 2012 | International<br>(within Country) |
| 3     | Impact of Government Policies on Manufacturing Sector: A                              | Proceedings XI Annual World Congress, titled "Business and Entrepreneurship Development in a Globalsed Era and                                                         | International<br>(within Country) |

|    |                                                                                                                             |                                                                                                                                                                                                           |                                |
|----|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|    | proposed framework for policy impact analysis                                                                               | Rise of India under new leadership” IIT Delhi 20-23 November, 2014                                                                                                                                        |                                |
| 4  | Investigating the Indian Electronics Manufacturing Sector using PEST-SWOT analysis tools                                    | Proceedings XI Annual World Congress, titled “Business and Entrepreneurship Development in a Globalsed Era and Rise of India under new leadership” IIT Delhi 20-23 November, 2014                         | International (within Country) |
| 5  | Academic Globalization: A need for competitiveness of academic institutions                                                 | International Institute of Informatics and Systemic, 19 <sup>th</sup> World Multi-Conference on Systemic, Cybernetics and Informatics (WMSCI-2015), Orlando, Florida, USA 12-15 July, 2015                | International (Abroad)         |
| 6  | Improving Competitiveness of Indian Electronics Manufacturing Industries: A need for FDI policy liberalization              | International Institute of Informatics and Systemic, 19 <sup>th</sup> World Multi-Conference on Systemic, Cybernetics and Informatics (WMSCI-2015), Orlando, Florida, USA 12-15 July, 2015                | International (Abroad)         |
| 7  | Role of manufacturing sector to develop smart economy: A competitiveness study between India and China                      | International Conference on Smart Cities, ICEG. CRC Press, Taylor & Francis, UK 22 January, 2016                                                                                                          | International (within Country) |
| 8  | The social media cone: Towards achieving the manufacturing competitiveness goals                                            | 15 <sup>th</sup> IFIP I3E Conference on e-Business, e-Service and e-Society ‘ Social media: the good the bad and the Ugly 13-15 September, 2016, School of Management, Swansea university, UK             | International (Abroad)         |
| 9  | Digitized residential address system: A necessity towards the faster service delivery and smart cities development in India | 16 <sup>th</sup> Global Conference on flexible systems Management-GLOGIFT-16 4-6 December, 2016, UTS Business School, University of Technology Sydney and Global Institute of Flexible Systems Management | International (Abroad)         |
| 10 | Competitive Measurement of the Indian Electronics Manufacturing                                                             | Proceedings of GLOGIFT 16, December 4-6, 2016, University of Technology,                                                                                                                                  | International (Abroad)         |

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|    | Industries: Using the Analytical Hierarchy Process                                                   | Sydney, Global Institute of Flexible Systems Management                                                                                                            |                                   |
| 11 | Smart Governance for Smart Cities: A conceptual Framework from Social Media Practices (2016)         | IFIP International Federation for Information Processing 2016 springer International Publishing Online                                                             | International<br>(within Country) |
| 12 | Adopting Sustainable Manufacturing: The case of Indian electronics manufacturing industries          | Global Institute of Flexible Systems Management, International Conference and Proceedings of GLOGIFT 16, University of Technology, Sydney 4-6 December, 2016       | International<br>(Abroad)         |
| 13 | The Future of manufacturing: Global Value chains, smart specialization and flexibility               | Global Institute of Flexible Systems Management, International Conference and Proceedings of GLOGIFT 16, University of Technology, Sydney 4-6 December, 2016       | International<br>(Aboard)         |
| 14 | Education in Emergencies: Smart learning solutions and role of governance to mitigate the challenges | 3rd IEEE International Conference on Advances in Computing, Communication and Automation (ICACCA-2017), IEEE proceedings, Sept, 14-16, 2017, Dehradun, India. IEEE | International<br>(within Country) |
| 15 | Smart mobility: Crowdsourcing solutions for smart transport system in smart cities context.          | ACM Press, ICEGOV 2018. Ireland, UK ICEGOV 2018                                                                                                                    | International<br>(Abroad)         |
| 16 | Numerical Simulation of flow past a flat plate with anti-singing trailing edge                       | 2 <sup>nd</sup> International Conference on Computational & Experimental Methods in Mechanical Engineering (ICCEMME-2019), 03-05 May, 2019                         | International<br>(within Country) |
| 17 | Products and Services in Industries                                                                  | Department of Mechanical Engineering, Government Engineering College Jhalawar<br>Expert Lecture on 02 December, 2018                                               | National                          |

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| 18 | Inventory Management                                                                                 | Department of Mechanical Engineering,<br>Government Engineering College<br>Jhalawar<br>Expert Lecture on 27 January, 2019                                                                                             | National                          |
| 19 | Driving competitive advantage<br>for high technology<br>manufacturing: A social media<br>perspective | AGBA's 16 <sup>th</sup> World Congress, 2-4 July,<br>2019, IIT Delhi                                                                                                                                                  | International<br>(within Country) |
| 20 | Forecasting methods in Industries                                                                    | Department of Mechanical Engineering,<br>Government Engineering College<br>Jhalawar<br>Expert Lecture on 24 August, 2019                                                                                              | National                          |
| 21 | Experimental and Computation<br>Analysis of Micro-Electric<br>Discharge Machining                    | National Seminar on Software<br>applications in Engineering and<br>Technology, Department of Mechanical<br>Engineering, Sant Longowal Institute of<br>Engineering and Technology, Longowal,<br>Sangrur, Punjab, India | National                          |
| 22 | Investigation of Vertical<br>Dynamics of a passenger car<br>through bond graph formulation           | National Seminar on Software<br>applications in Engineering and<br>Technology, Department of Mechanical<br>Engineering, Sant Longowal Institute of<br>Engineering and Technology, Longowal,<br>Sangrur, Punjab, India | National                          |
| 23 | Investigation of flow field in<br>accelerated erosion test rings                                     | ICAREMIT-2020, MJP Rohilkhand<br>University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                                                              | International<br>(within Country) |
| 24 | Development of textured tool for<br>process improvements in dry<br>machining                         | ICAREMIT-2020, MJP Rohilkhand<br>University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                                                              | International<br>(within Country) |
| 25 | A review of hybrid solar air<br>heater                                                               | ICAREMIT-2020, MJP Rohilkhand<br>University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                                                              | International<br>(within Country) |

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| 26 | Conversion of waste heat to electricity using thermoelectric generator: A review                                                              | ICAREMIT-2020, MJP Rohilkhand University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                      | International<br>(within Country) |
| 27 | Fabrication of hybrid braking system                                                                                                          | ICAREMIT-2020, MJP Rohilkhand University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                      | International<br>(within Country) |
| 28 | Design and construction of an ornithopter                                                                                                     | ICAREMIT-2020, MJP Rohilkhand University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                      | International<br>(within Country) |
| 29 | Comparative investigation on depth of cut in CO2 laser beam machining of MDF and acrylic                                                      | ICAREMIT-2020, MJP Rohilkhand University, Bareilly (U.P.) India<br>1-3 February, 2020                                                                                      | International<br>(within Country) |
| 30 | High-End Workshop on Photonics Sensor for Chemical & Gas Detection                                                                            | Science and Engineering Research Board (SERB) Dept. of Science and Technology, Govt. of India, organized by Indian Institute of Technology (ISM) Dhanbad, Jharkhand, India | International<br>(within Country) |
| 31 | Technology will make India a developed nation@2047.                                                                                           | Mahamaya Polytechnic of Information Technology, Bachhraun, Amroha                                                                                                          | National                          |
| 32 | International Conference on Artificial Intelligence: Challenges, Opportunities and its impact on Society (ICAI-2024)                          | Rajshree Institute of Management & Technology, Bareilly in association with Lumbini Technological University, Nepal 26-27 April, 2024                                      | International<br>(within Country) |
| 33 | 38 <sup>th</sup> National Convention of Production Engineers and National Conference on Green and Bio-inspired Manufacturing- The Way Forward | The Institution of Engineers (India) Bareilly Local Centre<br>M.J.P. Rohilkhand University, Bareilly<br>02-03 May, 2024                                                    | National                          |
| 34 | One Week Online Faculty Development Program on Additive Manufacturing for Sustainability and Industry 4.0                                     | Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India, 18-22 November, 2024.                                   | National                          |
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| <b>(j) Membership of Academic/Professional Bodies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| <b>Life Member Indian Society for Technical Education (LM130017)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| <b>Life Member, The Institutions of Engineers (INDIA) (M-1737206)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| <b>(k) Participation in Community Service/ Exchange Programme / Consulting Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| <p>Dr. Singh is a prominent academician in the country. He is at presently working as an Associate Professor in Department of Mechanical Engineering, Faculty of Engineering &amp; Technology, M.J.P. Rohilkhand University, Bareilly. His area of interest are in Strategy, Competitiveness, Smart Cities, Manufacturing Industries and Government Policies, Operation Management, Industrial Management, Value Engineering, and Production Planning &amp; Control. He has authored more than 40 technical papers in various reputed national as well as international journals and conferences. Dr. Singh has filed 11 national and international patents. He has been associated in major academic research project awarded by AICTE in the field of Solar Energy. Dr Singh has also authored two books titled Sustainable Smart Industry 4.0: Future Assessment and Technological Advances and Applications in Additive Manufacturing. He is life time member of Indian Society for Technical Education and The Institution of Engineers. Apart from this Dr. Singh is Chairman trustee of Mangalam Charitable Trust which carries out social work in the country. On the administrative front, he has been the Head of the department, Mechanical Engineering department twice from (2009-2012) and (2019-2020) apart from this he has coordinated TEQIP-II (2010-2012) and TEQIP-III (2017-2022) World Bank sponsored institutional project by NPIU, MHRD, Govt. of India, at Faculty of Engineering and Technology, M. J. P. Rohilkhand University, Bareilly, Bareilly. He has accomplished his Ph.D. (2018) and Masters (2009) from Indian Institute of Technology, Delhi and Graduated in Engineering (2000) from M. J. P. Rohilkhand University, Bareilly.</p> |  |  |  |
| <b>(l) International Academic Exposure</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |
| Paper Presented and Participated in International Institute of Informatics and Systemic, 19 <sup>th</sup> World Multi-Conference on Systemic, Cybernetics and Informatics (WMSCI-2015), Orlando, Florida, USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Paper Presented and Participated in 15 <sup>th</sup> IFIP I3E Conference on e-Business, e-Service and e-Society ‘Social media: the good the bad and the Ugly 13-15 September, 2016, School of Management, Swansea university, UK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| <b>(m) Keynote Speaker &amp; Session Chair</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |
| <p><b>Keynote Speaker</b> at the National Conference on Advanced Research Trends in Engineering (NCARTE-2022) held on 25-26 March, 2022 organised by Department of Electronics &amp; Communication, Mechanical and Electrical Engineering, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly (U.P.), India.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
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**Signature of Faculty Member**