**Faculty Profile Template**

1. **Basic Information**

* **Name**: Dr. Rityuj Singh Parihar
* **Designation**: Assistant Professor
* **Department/School**: Mechanical Engineering
* **Institution Name**: SSIPMT Raipur
* **Email ID**: [singhrityuj24@gmail.com](mailto:singhrityuj24@gmail.com), r.parihar@ssipmt.com
* **Contact Number**: 8871591031
* **Photograph**: 

1. **Educational Qualifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **Specialization** | **Institution** | **Year of Completion** |
| UG | Mechanical | ITGGU | 2010 |
| PG | Metallurgy | IITBHU | 2013 |
| Ph.D. | Mechanical | NIT Raipur | 2019 |
| Others | *(if applicable)* |  |  |

1. **Teaching & Research Experience**

* **Total Teaching Experience**: 5Years
* **Industry Experience**: *1Years*
* **Research Experience**:

1. **Courses Taught**

* List of key UG/PG courses taught

1. Strength of Materials
2. Solid Mechanics
3. Design of Machine Elements
4. Design of Transmission System
5. **Research Interests / Specialization**

* Functionally Graded Materials
* Machining
* Tribology
* Machine Learning
* Additive Manufacturing

1. **Publications (Last 5 Years)**

* Journals (APA/IEEE format)

1. Verma, N., Sharma, V., Badar, M.A., Choubey, N., Parihar, R. S. (2022) Optimization of Zinc Coating Thickness by Unreplicated Factorial Design of Experiments in Hot-Dip Galvanization Process. International Journal of Precision Engineering and Manufacturing, 23, 1173-1182.
2. Maitra, K., Parihar, R.S. (2023) Finite Element Analysis of Rotating Truncated Functionally Graded Conical Shell. Current Materials Science, 16(1), 62-71.
3. Parihar, R.S., Setti, S. G., Sahu, R.K. (2021) Novel design and composition optimization of self-lubricating functionally graded cemented tungsten carbide cutting tool material for dry machining. Advances in Manufacturing, 9, 34–46.
4. Parihar, R.S., Sahu, R.K., Setti, S. G. (2022) Adhesive wear performance of Self-lubricating Functionally Graded Cemented Tungsten Carbide prepared by Spark Plasma Sintering. International Journal of Refractory and hard metals, 104, 105788.

* Conference Proceedings
* Book Chapters / Books Authored
  1. Book Title: Green Manufacturing for Industry 4.0: Building a Sustainable Future with Smart Technology. Taylor & Francis CRC Press, ISBN No. 9781032575025.

1. **Research Guidance**

|  |  |  |
| --- | --- | --- |
| **Level** | **Awarded** | **Ongoing** |
| Ph.D. | NIL |  |
| PG | NIL |  |

1. **Awards & Recognitions**

* Institutional / National / International: NIL

1. **Administrative Roles**

* Positions held
* IRC Coordinator

1. **Professional Memberships**

* Institution of Engineers

1. **Web Presence**
2. Research gate: <https://www.researchgate.net/profile/Rityuj_Parihar>
3. Google Scholar: <https://scholar.google.co.in/citations?user=gAROs9wAAAAJ&hl=en>
4. LinkedIn: <https://www.linkedin.com/in/rityuj-singh-8b45b95a/>
5. ORCID ID : 0000-0002-0550-7199