**Faculty Profile : Dr. Shailesh Kumar Verma**

1. **Basic Information**

* **Name**: Dr. Shailesh Kumar Verma
* **Designation**: Assistant Professor
* **Department**: Mechanical Engineering Department
* **Institution Name**: Shri Shankaracharya Institute of Professional Management & Technology
* **Email ID**: sverma@ssipmt.com
* **Contact Number**: +91 98279 64457
* **Photograph**: Attached

1. **Educational Qualifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **Specialization** | **Institution** | **Year of Completion** |
| UG | Mechanical | RITEE | 2011 |
| PG | Heat, Power & Thermal | VITS, Jabalpur | 2017 |
| Ph.D. | Mechanical | Kalinga University | 2022 |

1. **Teaching & Research Experience**

* **Total Teaching Experience**: 10Y
* **Industry Experience**: *(if any)*
* **Research Experience**:

1. **Courses Taught**

* Internal Combustion Engine
* Automation in Manufacturing
* Robotics
* Manufacturing Technology
* CAD Software

1. **Research Interests / Specialization**

* Design Engineering
* Robotics
* Production

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

* **Journals (Scopus)**
* **Title :** “Study And Development Of Various Techniques For Path Planning And Optimization Of Differential Drive Wheel Robot.”

**Journal : Test Engineering & Management**, Article Info Volume 83 November/December 2020 ISSN: 0193-4120 Page No. 36- 45

**Authors: Shailesh Verma**, D. D. Mishra, Rahul Mishra, V. C. Jha

* **Title :** "An Experimental Study on Robot working in Real World"

Journal : Design Engineering, ISSN: 0011-9342 | Year 2021 Issue: 6 | Pages: 4746-4753

**Authors** : Shailesh Verma, D. D. Mishra , Rahul Mishra , V. C. Jha

* **Title** : Enhancing weld inspection through image processing detecting defects in Radiography Films.

**Journal** : Journal of Engineering and Technology Management,

ISSN - 1879-1719, Article id : JETM/8430, Volume 73 2024

**Author** : Shailesh Kumar Verma

* **Title :** "Optimized Path Planning and Collision Free Navigation of Differential Drive Wheel Robot in Uncertain Dynamic Environment, Powered by Fuzzy Logic based Intelligent Controller – Enhanced Dijkstra Algorithm"

**Journal :** Design Engineering, ISSN: 0011-9342 | Year 2021 Issue: 9 | Pages: 4341-4355.

**Authors:** D. D. Mishra, Shailesh Verma, Rahul Mishra , M. K. Singh, V. C. Jha, S. P. Pandey,

* **Title :** "Posture Stabilization and Trajectory Tracking: A Kinematic Analysis of Differential Drive Wheel Robot",

**Journal :** Turkish Journal of Computer and Mathematics Education, Vol.12 No. 9 (2021), 3160-3165.

**Authors:** D. D. Mishra, Shailesh Verma, Rahul Mishra , M. K. Singh, V. C. Jha, S. P. Pandey

* **Other Journal**

• Using Image Processing to Find Weld Defects in Radiography Films.

International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST): Vol. 2 No. 3 (2023) PP 126-139 ISSN 2583-6234

• CFD Analysis of counter flow pipe heat exchanger for various absorbent combination of vapors absorption refrigeration system. International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST): Vol. 2 No. 3 (2023) PP 126-139 ISSN 2583-6234

• Review on Navigational Path Analysis of Mobile Robot in Various Environments: A Survey.

Journal of the Gujrat Research Society. ISSN: 0374-8588 Volume 21 Issue 14, December 2019

•Study and Development Of Various Techniques For Path Planning And Optimization Of Differential Drive Wheel Robot.

© 2020 IJRAR February 2020, Volume 7, Issue 1 E-ISSN 2348-1269, P- ISSN 2349-5138)

* **Book Chapters**

Scopus : Taylor & Francis Online | Behaviour & Information Technology

Books Chapter : Volume 43, Issue 9 [C], 2024 ISSN 1362:3001 [UK]

CH - 117, Mechanical Design And CAD Technology

1. **Research Guidance**

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

1. **Web Presence**

* Google Scholar : https://scholar.google.com/citations?hl=en&authuser=2&user=mxNW9UYAAAAJ
* Research Gate : https://www.researchgate.net/profile/Shailesh-Verma-9?ev=hdr\_xprf
* ORCID : 0009-0007-8653-4191