

**Name of the Teaching Staff** : Ranjit Anil Patil  
**Designation** : Assistant Professor  
**Department** : Mechanical Engineering  
**Date of Joining the Institution** : December 11, 2023  
**Email ID** : [ranjit.patil@djsce.ac.in](mailto:ranjit.patil@djsce.ac.in)



**Google Scholar Link** : [https://scholar.google.com/citations?hl=en&user=cdVaPTEAAAAAJ&view\\_op=list\\_works](https://scholar.google.com/citations?hl=en&user=cdVaPTEAAAAAJ&view_op=list_works)  
**Scopus Link** : <https://www.scopus.com/authid/detail.uri?authorId=57700687300>  
**Vidwan ID** : <https://vidwan.inflibnet.ac.in/profile/482429>  
**Research gate Link** : <https://www.researchgate.net/profile/Ranjit-Patil-12>  
**ORCiD Link** : <https://orcid.org/0000-0002-9047-9275>  
**Web of Science ID** : <https://www.webofscience.com/wos/author/record/JDC-7279-2023>

**Qualifications with Class / Grade** :

Academic Credentials	Duration	University/Board	Marks	Grade
M.Tech (Machine Design Engineering)	2013-2015	University of Mumbai	7.77(CPI)	Distinction
B.E. (Mechanical Engineering)	2009 to 2013	University of Mumbai	66.67	First Class

**Total Experience in Years** :

Organization	Designation	From	To	Total
Rajarambapu Institute of Technology, Rajaramnagar Dist : Sangli	Assistant Professor	July 2016	December 2023	7.5 Year
Jaymala Machine Tools, Shiroli Kolhapur	Design Engineer	July 2015	June 2016	1 Year
<b>Total</b>				<b>8.5 Years</b>

**Papers Published in Journals** :

- Patil, R. A., Rane, S. B., & Kumbhar, S. B. (2024). Optimization of a shift in the natural frequency of a nitinol-reinforced composite beam. *International Journal on Interactive Design and Manufacturing (IJIDeM)*, 1-15.
- Rane, S. B., Patil, R. A., Raykar, N. R., & Kumbhar, S. B. (2023). A machine learning approach for investigation of the natural frequency of a nitinol-reinforced composite beam. *Engineering Research Express*, 6(1), 015003.
- Patil, R. A., Rane, S. B., & Kumbhar, S. B. (2022). Investigation of the damping behavior of shape memory alloy-nitinol reinforced composite. *Engineering Research Express*, 4(4), 045018.
- Patil, J. G., Kumbhar, S. B., More, N., Patil, R. A., & Mahape, N. M. (2020). Finite Element Analysis of Saddle Support for Stack Heat Exchanger. *International Journal of Engineering Applied Sciences and Technology*, 5, 78-85.

**Papers Presented in Conferences** :

- Patil, R. A., Rane, S. B., & Kumbhar, S. B. (2021, June). Investigation on dynamic behaviour of shape memory alloy (SMA) wire embedded composite. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1136, No. 1, p. 012024). IOP Publishing.
- Patil, R. A., Rane, S. B., & Kumbhar, S. B. (2022). Static analysis of shape memory alloy (SMA) reinforced composite. *Materials Today: Proceedings*, 62, 6832-6836.

**Area of Specialization** : **Shape Memory Alloy Composite, Vibration Control, Machine Design, Mechanism Design**  
**Software Skills (Proficient):** Ansys Workbench, Autocad  
**Software Skills (Moderate):** Python

**PhD Guide ? Give field & University** : Field: University: --

**PhDs / Projects Guided** : PhDs : --  
Projects at Masters level:

**Books Published / Book Chapters/ IPRs / Patents** : \_\_\_\_\_

**Professional Memberships** : Life Member of *ISTE*

**Subjects Taught** : Cryogenics, Alternative Fuels, Engineering Material, Engineering Graphics

**Projects Guided** : UG Level = 6

**Recommended Students for Higher Education** : **University/Industry:** Various Universities across USA and Germany.

**Institute/Department Responsibility handled:** :  
• Internship Coordinator  
• Training and Placement Coordinator

**Pedagogy Development** : ---