Faculty Information and Contributions

1. Name of the faculty member: Ms. Shruti Sudhakar Dandge
2. Designation : Lecturer in Mechanical Engg. Dept.
3. Date of Birth & Age : 14/09/1983, 41 years
4. Date of joining Tech Ed Dept : 11/02/2011
5. Date of joining G P Arvi : 09/09/2024
6. Address for correspondence : Govt. Polytechnic, Arvi.
   Deurwada road, Arvi
   Dist: Wardha, 442201

7. Mobile No.: 963726836/7498756707 E-mail: shruti.dandge@gmail.com

8. Academic Qualification (Bachelor Degree onwards)

Sr. No.	Degree held	University	Year of passing	Division	Specialization
1	M-Tech (Thermal Engg.)	S. G.B. Amravati University	2009	I	Thermal Engg.
2	GATE	-	2007		Mechanical Engg.
3	B.E. (Mechanical Engg.)	S. G.B. Amravati University	2006	I	Mechanical Engg.

8. Research Publication :

International Journals

1. Shruti Sudhakar Dandge and Shankar Chakraborty. "A Data Mining Approach for Analysis of a Wire Electrical Discharge Machining Process." Management and Production Engineering Review 13 (2021).
2. Shruti Sudhakar Dandge and Shankar Chakraborty. "Decision tree-based parametric analysis of a CNC turning process." Scientia Iranica 28, no. 6 (2021): 3653-3674.
3. Dandge Shruti and Shankar Chakraborty. "Selection of machining parameters in ultrasonic machining process using CART algorithm." In Advanced Engineering Optimization Through Intelligent Techniques, pp. 599-607. Springer, Singapore, 2020.

4. Chakraborty Shankar, Shruti Sudhakar Dandge, and Subham Agarwal. "Non-traditional machining processes selection and evaluation: A rough multi-attributive border approximation area comparison approach." Computers & Industrial Engineering 139 (2020): 106201.
5. Agarwal Subham, Shruti Sudhakar Dandge, and Shankar Chakraborty. "Development of association rules to study the parametric influences in non-traditional machining processes." Sādhanā 44, no. 11 (2019): 1-17.
6. Agarwal Subham, Shruti Sudhakar Dandge, and Shankar Chakraborty. "Parametric analysis of a grinding process using the rough sets theory." Facta Universitatis, Series: Mechanical Engineering 18, no. 1 (2020): 091-106.
7. Agarwal Subham, Shruti Sudhakar Dandge, and Prof Shankar Chakraborty. "A support vector machine-based prediction model for electrochemical machining process." Karbala International Journal of Modern Science 6, no. 2 (2020): 8.
8. Ramani Juhi, Shruti Dandge, and Shankar Chakraborty "Machinability study of plain carbon steels using data mining technique." In *AIP* Conference Proceedings, vol. 2273, no. 1, p. 050005. AIP Publishing LLC, 2020.

National Journal

9. Chakraborty Shankar, Subham Agarwal, and Shruti Sudhakar Dandge. "Analysis of cotton fibre properties: a data mining approach." Journal of the Institution of Engineers (India): Series E 99, no. 2 (2018): 163-176.

Conferences attended

1. International conference on Adavnced Engineering Optimization Through Intelligent Techniques at Sardar Vallabhbhai National Institute of Technology, Surat, India,August,3-5, 2018.
2. 2nd International conference on Mechanical, Materials, and Renewable Energy (ICMMRE-2019) at Sikkim Manipal Institute of Technology, Majitar, East Sikkim, India, December, 6-7, 2019.
3. International Conference on Precision, Meso, Micro and Nano Engineering, 13-15 December 2024, NIT Calicut, India.

9. Details about training / seminars / workshop etc

A) Expert Lecture/Seminar delivered
(From years 2022-23, 2021-22, 2020-21, 2019-20)

Sr. No.	Title of Lecture / Seminar	Date	Venue
	NIL		

B) Workshop / Seminar Attended

(From years 2021-22, 2020-21, 2019-20)

Sr. No.	Name of Workshop / Seminar Attended	Date	Venue	Days/Week
	NIL			

C) Training attended

(From years 2022-23,2021-22, 2020-21, 2019-20)

Sr. No	Title	ISTE/MSBTE/DTE/AICTE/YASHADA/NITTTR/OTHER	Date	Venue	Days/ Week
1	Data mining	NPTEL	21st Feb to 15th April, 2022	-	Eight weeks
2	I.C. Engines and Gas turbines	NPTEL	24th Jan to 15th April, 2022	-	Twelve weeks
3	Industrial Training Programme-3D Printing & Additive Manufacturing	NIELIT Calicut.	23 rd Feb to 8th March, 2022	NIELIT, Calicut.	10 Days
4	Refresher Training Programme	A Govt. of Maharashtra (DTE Mumbai)	21st June to 25th June, 2021	Yashwatrao Chavan Acadamy, Pune	One Week
5	Advanced Optimization Techniques for Research Problem Solving	ISTE	4th August to 8th August,2020	Mahatma Gandhi Institute of Technology	One Week
6	Effective Logistic for Sustainable Environment	ISTE	10th August to 14th August, 2020	Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab	One Week
7	Sustainable Environment- An Engineering Perspective	TEQIP-III	13th July to 18th	Assam Engineering College Guwahati	One Week

			July,2020		
8	Waste Management & its Impact on the Environment	ISTE	20th July to 25th July,2020	G H Raisoni College of Engineering, Nagpur	One Week
9	Accreditation to Engineering &Professional Ethics	DTE	08th July to 12th July,2020	Government College of Engineering, Nagpur	One Week
10	Research and Publication Ethics	ISTE	29th June to 3rd July,2020	Prof. Ram Meghe Institute of Technology & Research, Badnera , Amravati	One Week
11	MATLAB for ALL	ISTE	04th June to 8th June 2020	SIR M Visvesvarya Institute of Technology, Bangalore	One Week
12	Recent Advances in Modelling and Optimization Techniques	ISTE	1st June to 5th June2020	Sharad Institute of Technology College of Engineering Yadrav-Ichalkaranji	One Week
13	Effective Online Teaching Learning Methods: Challenges, Preparation and Use of ICT Tools	ISTE	18thMay to 23rdMay-2020	Govindrao Wanjari College of Engineering & Technology, Nagpur	One Week