



JSS Mahavidyapeetha

JSS Academy of Technical Education, Noida


Department of Mechanical Engineering.



FACULTY PROFILE

Department: Mechanical Engineering

1. Personal Details

NAME	DR. SUVANDAN SARASWAT	
DEPARTMENT	MECHANICAL ENGINEERING	
DESIGNATION	ASSOCIATE PROFESSOR	
PHONE	9810120524	
EMAIL ID	suvandan.saraswat@jssaten.ac.in ,	
Date of Joining (JSSATEN)	02/01/2017	

2. Experience

Total Experience in Years:	Teaching: 18	Industry: - Nil	Research: - 2.5
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Mechanical	1998	Bhilai Institute of Technology	Pt. Ravi Shankar Shukl University Raipur
M.Tech.	Tribology and Maintenance	2003	SGSITS Indore (Autonomous Institute)	Rajeev Gandhi Technical University
Ph.D.	Maintenance Engineering	2011	IIT Delhi	IIT Delhi
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	National: 00
Papers Published in SCOPUS indexed Journals	International: 02	National: 00
Papers Published in other Journals	International: 02	National: 00
Papers Presented in Conferences / Symposium	International: 15	National: 06
Books / Book chapters Published	NIL	

5. Research Guidance

PhD Guide? Give field & University	Yes, Lean Manufacturing and Prosthetics	University: ISM, Dhanbad
PhDs / Projects Guided	Ph.D. Awarded: Guiding: NIL	Projects at Master's Level: - Nil Projects at Bachelor's Level: 20

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
-	-	-

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

1.	Nptel Motivated Learner Apr 2021
2.	Nptel Believer Jan –Dec 2020
3.	Nptel Motivated Learner Dec 2020
4.	Topper In Manufacturing Strategy Of Nptel Course With 92% Of Marks

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	An Overview on Reliability Availability Maintainability and Supportability	Saraswat S. and Yadava G. S.	International Journal of Quality and Reliability	Vol. 25, Issue 3, pp: 330 – 344 2008	SCI	3.32	Emerald
2	Lean Manufacturing for Shop Floor of Automotive Industries: A Study	Tripathi V, Sarswat S	Journal of Experimental & Applied Mechanics	Volume 9, Issue 2, 2018	Scopus	1.1	STM Journals
3	Fabricating, Analyzing, and testing of	Saraswat S., Tulsyan D., Panda G.,	International Journal of Scientific	Vol. 7, Issue 3, 2019.		3.2	IJSRD

	Four ball lubricant testing Machine	Sharma J., Kumar H	Research and Development				
4	Design of Shock Absorber for Weapon System Using Pneumatic Circuit	Saraswat S., Dwivedi H., Mishra M., Krishna M., Kumar K	International Journal of Scientific Research and Development	Vol. 7, Issue 4, 2019		3.1	IJSRD
5	Process Optimization Methods for Shop Floor Planning: A Study	Tripathi V, Gautam G. D., Sarswat S	International Journal of Engineering Research & Technology	VOLUME 8 - ISSUE 10 2008	Scopus	2.1	IJERT

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
-	-	-	-	-	-	-	-

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
Shop Floor Productivity Enhancement Using a Modified Lean	Tripathi V., Saraswat S., Gautam G.D.	Lecture Notes in Mechanical Engineering..	VOLUME 764 - 2022	Scopus	2.5	Springer	-

Manufacturing Approach.							
Development of a Systematic Framework to Optimize the Production Process in Shop Floor Management.	Tripathi V., Saraswat S., Gautam G.,	Lecture Notes in Mechanical Engineering.	VOLUME 764 - 2022	Scopus	2.5	Springer	
A Study on Implementation of Various Approaches for Shop Floor Management.	Tripathi V., Saraswat S., Gautam G.,	Lecture Notes in Electrical Engineering,	VOLUME 766 - 2022	Scopus	2.1	Springer	

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Entrepreneurship	NIESBUD Noida	12/2/2018 to 26/2/2018.
2	Recent Advance in Mechanical Engineering	SGSITS INDORE	8 st June to 13 th 2020
3	Waste Management	NITTTR Chandigarh	8 st June to 12 th 2020
4	Outcome Based Curriculum”	NITTTR Chandigarh	1 st June to 5 th 2020
5	Pedagogy of Scientific Writing, Reporting and Scholarly Networks	FGIET Rae barely	19 th June to 23 rd June 2020
6	6th International Conference on Production & Industrial Engineering (CPIE 2019)	at Dr. B. R. Ambedkar National Institute of Technology	8-10 June2019
7	International Conference on Advances in Business and Engineering Sustainability	ABES Engineering College, Ghaziabad Campus 1, 19 th KM Stone, NH 24, UP, INDIA 201009.	27-28 March 2018
8	National Conference on Mining Equipment New Technologies	IIT (ISM) Dhanbad, Jharkhand,	9-10 th Feb. 2018

	Challenges Application, (MENTCA 2018)	India	
8	National Conference on "Recent Innovations in Science, Engineering, Technology	Amity University Greater Noida, India 201307	26-27th October 2017
10	25 th National Conference of Mechanical Engineers,	Institute Engineers New Delhi,	6-7 Nov 09.
11	National Seminar on Design for Maintainability	Jointly organized by: Indian Institute of Plant Engineers and HQ Technical Group EME, At HQ Technical Group EME, Delhi Cantt	12th - 13th Dec. 2008.
12	National Seminar on Safety and Reliability	Delhi, Institute Engineers, India	12-14 Feb-06
13	National Seminar on Reliability Engineering	Jabalpur, Institute Engineers, India,	1-2 Oct-05.
14	17 th National Conference of Mechanical Engineers	Indore, Institute Engineers, India,	1-2 Oct-02.

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Advanced Manufacturing and Materials (Three Series)	JSSATEN NOIDA	24 - 30 Nov, 7 - 13 Dec, 21 - 26 Dec, 2020	Member organizing committee
2	Advance Approaches In Mechanical Engineering	JSSATEN NOIDA	29 th June to 1 st July 2020	Member organizing committee
3	Institute industry International Webinar on Advance manufacturing Technologies	JSSATEN NOIDA	25 th June to 27 th June	Member organizing committee

vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
-	-	-	-

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Production and Operation Management	NPTEL	Exam is on 23 rd Aug 21	
2	Innovation by Design	NPTEL	Exam is on 23 rd Aug 21	
3	Effective Engineering Teaching in Practice	NPTEL	Jan-Feb 2021/ Elite Silver	86
4	Roadmap for patent creation	NPTEL	Jan-Mar 2021/ Elite Silver	87
5	Developing Soft Skills and Personality	NPTEL	Sep-Nov 2020/ Elite Silver	84
6	Design, Technology and Innovation	NPTEL	Sep-Nov 2020/ Elite Silver	79
7	Manufacturing Strategy	NPTEL	Sep-Nov 2020/ Elite Gold/ Topper	92
8	NBA Accreditation and Teaching - Learning in Engineering (NATE)	NPTEL	Jan-Apr 2020// Elite Silver	75
9	Intellectual Property	NPTEL	Jan-Apr 2020// Elite Silver	85
10	Enhancing Soft Skills and Personality	NPTEL	Feb-Apr 2020// Elite Silver	83
11	Accreditation and Outcome based Learning	NPTEL	Aug-Oct 2019/ Elite Silver	79
12	Toyota Production System	NPTEL	Aug-Oct 2019/ Elite Silver	84
13	Intellectual Property Rights and Competition Law	NPTEL	Jul-Sep 2019/ Elite Silver	78
14	Patent Law For Engineers And	NPTEL	Jan-Apr 2019/Elite	63

	Scientists			
15	Patent Drafting for Beginners	NPTEL	Jan-Feb 2019/ Elite	65

10. Membership of Professional Bodies:

1. Life Member Indian Society for Technical Education(LMISTE)-101105
2. Life member Institute of Engineers 151493-2

11. Any other information you will like to share about your professional experience

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Faculty Name: **Dr. Suvandan Saraswat**

Designation: Associate Professor

JSS Academy of Technical Education, Noida.