




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Mechanical Engineering.



FACULTY PROFILE

Department: Mechanical Engineering

1. Personal Details

NAME	Dr GAURAV JAIN	
DEPARTMENT	MECHANICAL ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9811931284	
EMAIL ID	gauravjain@jssaten.ac.in	
Date of Joining (JSSATEN)	03-08-2001	

2. Experience

Total Experience in Years	Teaching: 20 Years	Industry : NIL	Research: NIL
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech	Mechanical Engineering	2000	Institute of Engineering & Technology, Kanpur	CSJM University, Kanpur (UP)
M.Tech	Mechanical Engineering	2008	RKGIT, Ghaziabad	UPTU, Lucknow (UP)
Ph.D	Mechanical Engineering	2020	-	AKTU, Lucknow (UP)
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 04	National: 00
Papers Published in SCOPUS indexed Journals	International: 00	National: 00
Papers Published in other Journals	International: 04	National: 00
Papers Presented in Conferences / Symposium	International: 01	National: 00
Books / Book chapters Published	Customized book on Engineering Mechanics for Dr Babasaheb Ambedkar Marathwada University, Maharashtra (India) from Pearson Publication	

5. Research Guidance

PhD Guide? Give field & University	No	University: NA
PhDs / Projects Guided	Ph.D. Awarded: NIL Guiding: NIL	Projects at Master's Level: - Nil Projects at Bachelor's Level: 38

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
1	NIL	
2		
3		
4		
5		

iii. Consultancy

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

7. Awards Received

Awards "Best Paper Award"	NIL
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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	Exergy analysis of the transcritical N ₂ O refrigeration cycle with a vortex tube.	Gaurav Jain Akhilesh Arora S.N Gupta	International Journal of Green Energy	Volume No:15 Issue No:09 Year:2018	WOS	2.46	Taylor & Francis
2	Performance analysis of a transcritical N ₂ O refrigeration cycle with vortex tube.	Gaurav Jain Akhilesh Arora S.N Gupta	International Journal of Ambient Energy	Volume No:40 Issue No:04 Year:2019	WOS		Taylor & Francis
3	Performance characteristics of a two-stage transcritical N ₂ O refrigeration cycle with vortex tube.	Gaurav Jain Akhilesh Arora S.N Gupta	International Journal of Ambient Energy	Volume No:41 Issue No:05 Year:2020	WOS		Taylor & Francis
4	Exergy analysis of a vortex tube expansion two-stage transcritical N ₂ O refrigeration cycle.	Gaurav Jain Akhilesh Arora S.N Gupta	International Journal of Ambient Energy	Year:2021	WOS		Taylor & Francis

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
1	Determination of optimum heat rejection pressure in transcritical N ₂ O refrigeration cycle with vortex tube	Gaurav Jain Akhilesh Arora S.N Gupta	Advances in Power Generation from Renewable Energy Sources	Dec 22-23, 2017	-	-	GEC Banswara

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	STC on Passive Solar Building Design	NIT, Hamirpur (HP)	07/06/2010 to 11/06/2010
2	Workshop on Deployment & Use of NPTEL Courses	Organized by IIT Kanpur at JSSATE, Noida	30/10/2010 to 31/10/2010
3	Workshop on Engineering Thermodynamics	Conducted by IIT Bombay at MGM college of Engg. & Tech. Noida	11/12/2012 to 21/12/2012
4	STC on Recent Advances in Industrial Engineering	Dr BR Ambedkar National Institute of Technology, Jalandhar	08/07/2013 to 12/07/2013
5	STC on Modeling and Simulation Using MATLAB	NITTTR, Chandigarh	20/01/2014 to 24/01/2014
6	STTP on Quality Management System (QMS) –Issues, Tools and Implementation Aspects	NIT, Hamirpur, Himachal Pradesh	12/07/2014 to 16/07/2014
7	FDP on Automation in Manufacturing	Delhi Technological University, Delhi	04/05/2015 to 15/05/2015

8	STC on Technical Teachers Role, Self Esteem, Motivation and Professionalism Development through ICT	Conducted by NITTTR, Chandigarh at JSSATE, Noida	08/06/2015 to 12/06/2015
9	FDP on Instructional Design Delivery System Embedded with Useful/State of the art software tools	JSSATE, Noida	27/08/2018 to 01/09/2018
10	FDP on Modern Thermal Power Generation Technologies	GL BAJAJ Institute of Technology & Management, Greater Noida (UP)	29/01/2019 to 02/02/2019
11	FDP on Renewable and Sustainable Energy Conversion System	Manav Rachna University, Faridabad (Haryana)	15/06/2020 to 20/06/2020
12	Computational fluid dynamics for heat and fluid flow applications	RKGIT, Ghaziabad (UP)	22/02/2021 to 26/02/2021

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	-	-	-	-

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	STC on Advanced Manufacturing & Materials	JSSATE, Noida	23/11/2020 to 28/11/2020
2	STC on Advanced Manufacturing & Materials (Series -2)	JSSATE, Noida	07/12/2020 to 12/12/2020
3	STC on Advanced Manufacturing & Materials (Series -3)	JSSATE, Noida	21/12/2020 to 28/12/2020
4	FDP on Advances in Manufacturing	BIT Sindri, Dhanbad	15/06/2021 to 19/06/2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Laws of Thermodynamics	NPTEL	Jan- March 2020	92% (Topper)
2	Concepts of Thermodynamics	NPTEL	Sep- Dec 2020	78% (Elite + Silver)
3	Engineering Mechanics- Statics & Dynamics	NPTEL	Jan- March 2021	70% (Topper)

10. Membership of Professional Bodies:

1. ISTE Life Member

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