




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



**FACULTY PROFILE**

**Department: Mechanical Engineering**

**1. Personal Details**

NAME	VIPUL SAXENA	
DEPARTMENT	MECHANICAL ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR-2	
PHONE	+91-9599200739	
EMAIL ID	vipulsaxena@jssaten.ac.in	
Date of Joining (JSSATEN)	12-08-2010	

**2. Experience**

Total Experience in Years	Teaching: 12 Years	Industry: Nil	Research: 03 Years
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**3. Qualifications**

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E./B.Tech.	Mechanical Engineering	2007	B.S.A. College of Engineering & Technology, Mathura	Dr. APJ Abdul Kalam Technical University, Lucknow (Formerly Uttar Pradesh Technical University, Lucknow)
M. Tech.	Material Science & Engineering	2009	Motilal Nehru National Institute of Technology (MNNIT), Allahabad	Motilal Nehru National Institute of Technology (MNNIT), Allahabad (Deemed University)
Ph.D.	Thermal Engineering/ Alternative Fuels	Pursuing	Delhi Technological University, Delhi (Formerly Delhi College of Engineering)	Delhi Technological University, Delhi (Formerly Delhi College of Engineering)
Post Doc.	-	-	-	-

#### 4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 0	National:
Papers Published in SCOPUS indexed Journals	International: 05	National:
Papers Published in other Journals	International: 07	National: 02
Papers Presented in Conferences / Symposium	International: 09	National: 02

#### 5. Research Guidance

PhD Guide? Give field & University	NO	University:
PhDs / Projects Guided	Ph.D. Awarded: NO	Projects at Master's Level: 01 Projects at Bachelor's Level: 18

#### 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		
2		
3		

##### iii. Consultancy

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

## 7. Awards Received

<b>Awards “Best Paper Award”</b>	
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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.	Water Cooler Integrated with Dual Axis Solar Tracker	Shivam Singh, Sulabh Upadhyay, Swapnil Mishra, Vasu Agarwal, Vipul Saxena	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 17, Issue 3 Ser. IV (May - June 2020), PP 10-17	Others		
2.	Static Structural Analysis of Landing Gear for Different Titanium Alloys	Rishabh Chaudhary, Srishti Singh, Vipul Saxena	International Research Journal of Engineering and Technology (IRJET)	-ISSN: 2395-0056 Volume: 06 Issue: 07   July 2019	Others		
3.	Linear Buckling Analysis of Landing Gear	Rishabh Chaudhary, Srishti Singh, Vipul Saxena	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019.	Others		
4.	Power generation using speed bumps	Vipul Saxena, Anupam Tripathi, Anurag Mishra, Amod Kumar, Abhinav Kumar Yadav	SSRN electronic journal,	June-2019	Others		
5.	Solar Powered Seed Sowing Machine	Vipul Saxena, Kalash Singhal, Gaurav Prajapati	International Journal of Applied Engineering Research	ISSN 0973-4562 Volume 13, Number 6 (2018) pp. 259-262.	Others		

## 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
1.	Large Deformation of Human Skeletal Muscle System	Vipul Saxena, Ravi Prakash Tewari	Indian Journal of Biomechanics	Special Issue NCBM-2009 ISSN 0974-0783			
2.	A Study on Enhancement of the Oxidation Stability and Wear Behavior of Edible & Non-Edible Oil Methyl Esters using Partial Hydrogenation Method	Vipul Saxena	Journal of Biofuels	0976-3015. Online ISSN: 0976-4763. Published online: 2020 09			

## 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.	Design Optimization of Torque Link of an Aircraft Landing Gear Assembly	Rishabh Chaudhary, Srishti Singh, Vaibhav Kumar Pathak, Vipul Saxena	International Conference on Future Trends in Materials and Mechanical Engineering (ICFTMME-2020)	2020	Scopus	-	Lecture Notes in Mechanical Engineering
2.	Parametric Study of Deep Drawing Process	Vipul Saxena, Prem Shankar Yadav	Intelligent Control and Computation for Smart Energy and	2020			

			Mechatronics Systems (ICCSEMS–2020)				
3.	Structural And Magnetic Analysis of Electro Magnetic Suspension Spring	Vipul Saxena, H.S Pali	International Symposium on Fusion of Science & Technology (ISFT-2020)	2020	Scopus		IOP Conf. Series: Materials Science and Engineering 804 (2020) 012022 IOP Publishing doi:10.1088/1757-899X/804/1/012022
4.	Effect of Magnetic Abrasive Machining Process Parameters on Internal Surface Finish	Vipul Saxena, P S Yadav, H.S Pali	2nd International Conference on Computational & Experimental methods in Mechanical Engineering (ICCEMME-2019)	2019	Scopus		Materials Today: Proceedings 25 (2020) 842–847
5.	Effect of Mast Modification in Ingress Problem in Gas Turbine of Naval Ship	V Saxena, P S Yadav, H S Pali	2nd International conference on New Frontiers in Engineering, Science & Technology (Theme: Advances in Mechanical Engineering) – (NFEST-2019)	2019	Scopus		IOP Conf. Series: Journal of Physics: Conf. Series 1240 (2019) 012076, IOP Publishing doi:10.1088/1742-6596/1240/1/012076
6.	Effect of blade thickness on the natural frequency of H-rotor Vertical Axis Wind Turbine	Vipul Saxena, Rohit Singh, Shyam Kishor Sharma, Shivendra Singh, Shubham Tyagi	International Conference on Advances in Dynamics, Vibration and Control (ICADVC-2018)	2018			International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)

7.	Development of Aluminum Based Metal Matrix Composite and its Characterization	Vipul Saxena, Rajesha S	International Conference on Advances in Business and Engineering Sustainability (ABES-2018)	2018			
8.	Design and Fabrication of Solar Powered Water Dispenser	Vipul Saxena, Binit Kumar Jha, Neelam Khandelwal, Prateek Singh	International Conference on Sustainable Development in Design & Manufacturing (ICSDDM-2017)	2017			
9.	Mechanical Behavior of Human Leg Skeletal Muscle for Gait Studies	Vipul Saxena, Ravi Prakash Tewari, Rakesh Mathur	International Conference on Biomechanics (WCB-2010), Singapore	2010	Scopus		IFMBE proceeding, Springer
10.	Mathematical Modeling of Human Skeleton Muscle System	Vipul Saxena, Ravi Prakash Tewari	National Conference of Biomechanics (NCBM-2009)	2009			
11.	High Temperature Super Conducting Ceramic Magnets and Its Effect on The Societal Development	Vipul Saxena, S J Pawar	National Conference on materials at CMP degree college, Allahabad	2008			

#### iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Advanced Manufacturing and Materials-Series-3	Department of Mechanical Engineering, JSSATE, NOIDA	21st to 28th June 2020.

2	Advanced Manufacturing and Materials-Series-2	Department of Mechanical Engineering, JSSATE, NOIDA	07th to 12th Dec. 2020.
3	Green Technology & Sustainability Engineering- Advanced Computational Fluid Dynamics	AICTE-ATAL Academy, organized by Mechanical Engineering Department, Institute of Engineering & Technology, Lucknow	23rd to 27th November 2020.
4	Mathematical Modeling & its Applications in Engineering	AKTU-AICTE Short Term Training Program organized by Applied Sciences & Humanities Department, Institute of Engineering & Technology, Lucknow	06th to 10th July 2020.
5	Biofuels & Its Applications in I C Engines	Department of Mechanical Engineering, MEA Engineering College, Perinthalmanna	01st to 05th June 2020.
6	Mechanical Design Techniques for Academic and Industrial Environment	AICTE organized by JSSATE, NOIDA	08th to 20th July 2019.
7	Instructional Design Delivery System Embedded with Useful/State of the Art Software Tools	AKTU, Lucknow organized by JSSATE, NOIDA	27th to 01st September 2018.
8	Manufacturing World and Its Future	AKTU, Lucknow organized by JSSATE, NOIDA	23rd to 28th April 2018.
9	Universal Human Values & Professional Ethics	NIET, Gautam Budh Nagar	19 to 26 December 2017
10	Innovative Approach to Skill Development and Employment Generation in India	NITTTR, Chandigarh	24 to 28 July 2017
11	Research Methodology	NITTTR, Chandigarh	28 to 08 January 2016
12	Instructional Planning & Delivery (module-II- Instructional delivery)	NITTTR, Chandigarh	11 to 15 May 2015
13	CNC Turning and Milling-Hands on Experience	JSSATE, NOIDA	09 to 14th June 2014

**v. Workshops / Conference (Organized)**

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

**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	Introduction to thermodynamics	COURSERA	14/10/2020	96.47

**10. Membership of Professional Bodies:**

1. Membership of the International Association of Engineers (IAENG)
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**11. Any other information you will like to share about your professional experience**

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