

CURRICULUM VITAE

- Name : Dr. Jyoti Singh
- Present Designation: Assistant Professor
- Highest Qualification: Ph.D (Thermal-Mechanical Engg.)
- Work Experiences:15 Years in academics
- Area of interest : Engineering Mechanics , Thermal Engineering



Educational Information

Degree	Year	University/Board	%/Division	Specialization
Ph.D.	2024	BBDU Lucknow	-	Mechanical(Thermal)
M. Tech	2015	BBDU Lucknow	1st	Design Engineering(Mechanical)
B. Tech	2011	AKTU	1st	Mechanical
Intermediate	2006	UP Board	1st	PCM
High School	2005	UP Board	1st	Science

Work Experiences

Teaching Experience (10Y, 01M)			
Name of Employer	Designation	Duration	Total
BBDITM	Assistant professor	13years	13years
BBDNIIT	Assistant professor	2 years	1.10 years

Publications/Conferences

S.No	Author	Paper Title	Year of Publication	Journal Name	DOI	Impact Factor
1	Jyoti Singh	A Concise review of optimization potentials	2023	European Chemical Bulletin (ECB) SCOPUS indexed		
2	Jyoti Singh	Effect of design conditions on reheat gas turbine combined cycle power using transcritical carbon dioxide and	2023	European Chemical Bulletin (ECB) SCOPUS indexed	doi:10.31838/ecb/2023.12.3.184	
3	Jyoti Singh	Thermodynamic Investigation on the Use of Transcritical Carbon Dioxide in a Reheat Gas turbine -Based Combined Cooling and Power Cycle	2026	IJAR-D-25-00042R2	https://link.springer.com/article/10.1007/s44189-026-00097-3	Scopus/I. F 1.5
4	Jyoti Singh	Fabrication of hybrid dryer	2015	International journal of research in scientific (IJRSP)	10.29322	
5	Jyoti Singh	A review paper of solar dryer	2015	MAT Journal'		

Conference Detail:

Name of author	Title of Paper	International/National Conference	Volume
Jyoti Singh	Effect of Absorber pressure on combined power cycle using transcritical carbon dioxide	10 th International multidisciplinary conference on current research trends - 2024(IMCCRT-2024-5104)	
Jyoti Singh	Effect of Absorber pressure on combined power cycle using organic working fluids	6 th International conference on emerging trends on sustainable approaches in science & technology (ICETSAST-2024)	
Jyoti Singh	Moisture diffusion Coefficient determination in hybrid dryer.	AM MRE S organized by Mechanic al Deptt. BBDNITM	

Patent

Author	Patent name	Status	Registration No./Application no.	Issuing Authority	Year
Dr. Jyoti Singh	Smart safety helmet with locator	Published	410544-001	The Patent Office, Govt. of India	2023-24
Dr. Jyoti Singh	Design of ergonomic visual display terminal for physically challenged	Published	202411055530	The Patent Office, Govt. of India	2023-24

Book:

S.NO.	Author's Name	Position	Year (2025-26)	ISBN No
1	Dr. Jyoti Singh	First	Basic Mechanical Engineering Textbook,ISO certified	978-1-971938-05-9

Workshop/Seminar/Special Lecture Organized

Name of Event	Title of Event	Duration	Speaker/Other Details
Guest Lecture	Talk on Swayam	1D(Feb.2019)	Prof.(Dr.)Sud hirKamle ,IIT-K
Guest Lecture	Guest talk cum interactive session on Pay load recovery	1 D(Aug. 2019)	Prof (Dr.)Raj kumar S. Pant,IIT-B
Lecture Series	Guest Lecture series	2D(Nov.2019)	Prof (Dr.)Raj kumar S. Pant,IIT-B
Lecture Series(Online mode/webinar)	Lecture series	2D(2020)	Prof (Dr.)Raj kumar S. Pant,IIT-B

Workshop/Seminar/Special Lecture Attended

Name of Event	Title of Event	Duration/Session	Organized by
FDP	Recent trends in Civil and Mechanical Engineering	6 D(2024-25)	IIC(BBDITM)
FDP	Universal human values level-1	8 D(2020-21)	Mr. Moti Chand(AKTU)
FDP	Universal human values level-1Refresher	8 D(2021-22)	Prof.Dr. Pankaj Singh(AKTU)
FDP	Universal human values advance level	8 D(2022-23)	Prof.Bhanu Pratap(AKTU)
FDP	Intellectual Property	12 weeks	NPTEL
National Webinar	Effect of Covid-19 on Indian Economy &its Management in Current Business Scenario	1 D	BBDU
Workshop	Practical Approach Towards Structural Analysis using CAE" on 01 June 2020	2H	Skill-Lync.
Webinar	Damping in Vibration & Need of Understanding the Fundamentals"	1H	Mechanical Deptt. BBDNITM
Webinar	Handling Uncertainty and Anxiety due to COVID - 19	1:30 H	NMIMS University
Two Day National E-Seminar	Innovation for Entrepreneurs	1D	MBA Deptt.
Webinar	webinar on Tips for Writing an Exceptional Resume	1:30H	CSI BBDNITM Student chapter
Webinar	Evolutionary computational Techniques for Engineering Optimization	1:30 H	Me Dept. BBDNITM

Online sessions	Innovation & enterprenure	17 days	IIC ,MHRD
Workshop	Workshop on Hindi language	2 days	MHRD
Mentor in NACDEC-IV	National Aerospace Conceptual Design Competition	1 Y	AESI

Industrial Visit/Mega/Tech/Organized

Name of Event	Title of Event	Duration	Name of Ind./Other
Defence Expo - 2020	Defence Expo	2 Days	Indian govt.

Personal Information

- Name: Jyoti Singh
- Name of Father: Nagendra Bahadur Singh
- Name of Spouse: Anuj Kumar Singh
- Date of Birth: 10 December 1989
- Marital Status: Married
- Nationality: Indian
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- Email: jyotis621@gmail.com
- Permanent Address: Sita Vihar Colony ,
Jankipuram Lucknow; PIN :226021
- Corresponding Address: 3/369 , Vikas Nagar Lucknow; PIN :226022

Dr. Jyoti Singh

(Name and Signature)

Date: 07/08/2026