



Dr. Vivekanand Shukla

Assistant Professor, Department of Mechanical Engineering, Institute of Engineering and Technology , Deen Dayal Upadhyay Gorakhpur University ,Gorakhpur

Profile

With a profound expertise in mechanical engineering and advanced research techniques, I am committed to fostering educational excellence and innovation as part of an academic team's collaborative efforts.

Education

Ph.D (Mechanical Engineering- Design) **Jul 2017 - Jul 2021**
Madan Mohan Malaviya University of Technology-Gorakhpur, India
Modelling and Analysis of Laminated Composites Plates Using Meshfree Method. Key words- Computational Mechanics, Meshfree Method, Laminated composite Plate.

M.Tech (Manufacturing Systems Engineering) **Jul 2011 - Jul 2013**
Sant Longowal Institute of Engineering and Technology, India
Gear Fault Identification Using Wigner Ville's Transformation
Key words - sound and vibration, signal processing.
First Division With Distinction (77.80%)

B.Tech (Mechanical Engineering) **Jul 2006 - Jul 2010**
Hindustan College of Science and Technology, Mathura, UPTU Lucknow, India
Automatic Drilling Machine.
First Division (66.18%)

Intermediate **May 2005 - May 2006**
Parwati Prema Jagati Saraswati Vihar, Nainital, India

High School **May 2003 - May 2004**
PPJSV Nainital, India

Employment

Assistant Professor **Oct 2024 - Present**
Department of Mechanical Engineering, Institute of Engineering and Technology, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur

- Led the Department by implementing innovative teaching methodologies that enriched the educational experience.
- Coordinated departmental activities including organizing seminars and contributing to curriculum development.
- Streamlined departmental operations through efficient resource management and strategic planning.

I consent to the processing of my personal data for the purpose of recruitment for the position to which I am applying.

Personal details

- Dr. Vivekanand Shukla
- vshukla.iet@ddugu.ac.in
- 7668660503
- 674 Civil lines Basti(U.P)
272001 Basti
- November 5, 1989
- Male
- Indian
- Dr. Vivekanand shukla

Skills

Matlab

Labview

MS Office

Pro-E

Leadership

Communication

Self-motivation

Decision Making

Innovative Teaching Methodologies ●●●●●

Departmental Coordination ●●●●●

Research Publication ●●●●●

Languages

Hindi

English

Hobbies

■ Travel

■ Football

■ Cricket

■ Reading

- Contributed to research projects with publications in reputable journals, enhancing the institution's academic reputation.
- Developed and delivered lectures and laboratory sessions for Mechanical Engineering courses, ensuring student comprehension and engagement.

Assistant Professor and Head

Aug 2022 - Oct 2024

Department of Mechanical Engineering, Institute of Engineering and Technology, Dr. Shakuntala Misra National Rehabilitation University, Lucknow

- Led the Department by implementing innovative teaching methodologies that enriched the educational experience.
- Coordinated departmental activities including organizing seminars and contributing to curriculum development.
- Streamlined departmental operations through efficient resource management and strategic planning.
- Facilitated partnerships with industry leaders to promote applied research projects.

Teaching Faculty

Oct 2021 - Aug 2022

Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

- Provided instructional assistance and monitored student progress.
- Advised students on academic program completion and career guidance.
- Monitored and documented student's reading needs and progress.
- Contributed to efficient management and administration within the department.
- Developed comprehensive teaching materials for undergraduate and postgraduate courses.
- Maintained accurate records of student assessments and submitted timely reports.

Research Cum Teaching Fellow

Jul 2017 - Mar 2021

Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

- Handled undergraduate and post graduate course classes.
- Maintained an active research program and motivated active participation.
- Published internal, term, semester and research results, and monitored students' performance and provided appropriate suggestions and training for betterments.
- Assisted in the development of the Department and the University.
- Adhered to the academic rules, regulations, policies and standards.

Teaching Faculty

Aug 2016 - May 2017

Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

- Led the department with innovative teaching methodologies, enhancing educational experiences for students.
- Coordinated and organized departmental activities such as seminars, and contributed to curriculum development.
- Streamlined operations through efficient resource management and strategic planning.
- Developed a comprehensive curriculum and instructional strategies that significantly improved student learning in Mechanical Engineering.

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Courses

Hands on Training cum Workshop on Soft Computing Skill for Scientists and Engineers	Mar 2017
Tequip-II Sponsored Short Term Course on Emerging Trends in Materials Science	Mar 2017
Tequip-II Sponsored Short Term Course on Emerging Trends in Thermal Engineering	Feb 2017
Tequip-III Sponsored Short Term Course on Computational and Manufacturing Challenges in Mechanical Engineering	Mar 2018
Tequip-III Sponsored Short Term training Programme on Advancements in Mechanical Engineering	Dec 2018
Tequip-III Sponsored Workshop on Publishing with Scholarly Journal	Mar 2020

Extracurricular activities

Chief Coordinator at National Level Technical Fest Gyan Jyoti Hindustan College of Science and Technology, Mathura <ul style="list-style-type: none">Coordinated with industry leaders and academic experts to arrange workshops, seminars, and keynote sessions, enhancing the educational value of the fest.Organized and led a team of over 100 volunteers for the National Level Technical Fest, ensuring smooth execution of all events and activities.	Mar 2009
Chief Coordinator in Reminiscence aluminee meet Hindustan College of Science and Technology, Mathura <ul style="list-style-type: none">Secured sponsorships and partnerships to enhance event offerings.Coordinated logistics for a large-scale event with over 500 participants.	Jan 2010
Mechanical specialist , Divyang Jan shashaktikaran Vibhaag Uttar Pradesh Dr.Shakuntala Misra National Rehabilitation University, Lucknow Worked as Mechanical Specialist in UPSIDA project Sugamya Bharat Abhiyaan.	Aug 2022 - Oct 2024

References

Prof. Jeeoot Singh (Professor)
Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur
9235500565, Jsme@mmmut.ac.in

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Prof. Rajesh Kumar (Professor)

Department of Mechanical Engineering, Sant Longowal Institute of Engineering and Technology Logowal, Sangrur

91-1672-253300, Rajesh_krs@sliet.ac.in

Prof. B.N Singh (Vice Chancellor)

Rajiv Gandhi National Aviation University - Amethi District, Uttar Pradesh, India, Amethi

913222283026, bnsingh@aero.iitkgp.ac.in

Internships

Trainee**Jun 2009**

Technical Training Center , Diesel Locomotive Works, Varanasi

- Participated in the development and implementation of innovative training programs tailored to the needs of trainees.
- Coordinated and organized trainee activities including seminars and practical sessions.

Publications

Modeling and analysis of cross-ply and angle-ply laminated plates under patch loads using RBF based meshfree method and new HSDT, Computers & Mathematics with Applications ,Volume 79, Issue 8, 15 April 2020, Pages 2240-2257

Apr 2020

Computers & Mathematics with Applications (Elsevier)
<https://doi.org/10.1016/j.camwa.2019.10.026>

Buckling behavior of rectangular angle-ply laminated composite plates subjected to thermal and mechanical loads using the meshfree method, International Journal of Computational Materials Science and Engineering ,Vol. 09, No. 04, 2050021 (2020)

Nov 2020

International Journal of Computational Materials Science and Engineering.
(World Scientific)
<https://doi.org/10.1142/S2047684120500219>

Thermo-mechanical stability analysis of angle-ply plates using meshless method Applied Mathematics and Computation (Elsevier)

Jan 2022

<https://www.sciencedirect.com/science/article/abs/pii/S0096300321007281>

Analysis of Laminated plates for Patch

Nov 2019

**Loads,Materials Today: Proceedings ,
Volume 18, Part 7, 2019, Pages 3974-3981
Materials Today: Proceedings
(Elsevier)
<https://doi.org/10.1016/j.matpr.2019.07.339>**

Nov 2019

**Buckling Analysis of Symmetric and
Antisymmetric Laminated Plates with
Meshfree Approach, Materials Today:
Proceedings, Volume 18, Part 7, 2019,
Pages 4143-4150
Materials Today: Proceedings
(Elsevier)
<https://doi.org/10.1016/j.matpr.2019.07.444>**

Nov 2019

**Vibration Analysis of angle-ply Laminated
Plates with RBF based Meshless Approach,
Materials Today: Proceedings ,Volume 18,
Part 7, 2019, Pages 4605-4612
Materials Today: Proceedings
(Elsevier)
<https://doi.org/10.1016/j.matpr.2019.07.444>**

Achievements

- 1st Position in Hindi Essay Writing Competition at School level.
- 1st Position in State Wrestling Competition at School level.
- 1st Position in Inter College Cricket Tournament.
- 1st Position in Kho kho tournament at College level.
- 1st Position in Poster Presentation in Malaviya research Conclave .

Basti, April 28, 2025

Vivekanand Shukla