

Dr. Bhanu Prakash



Phone: 9808146426, 8445853202

Address: 5/137, Beema Nagar Soot mill
Infront of electric bus station
G.T. road Aligarh (U.P)

Email: rgecbhanu@gmail.com

PROFILE

Committed and dedicated Assistant Professor with more than 10 years of experience in teaching, research and service in the area of Mechanical Engineering.

Remarkable ability to teach, inspire and develop young people with sound knowledge of teaching methodologies. Proven abilities in delivering interesting lectures, conducting seminars, preparing lessons, conducting research and presenting findings in engaging manners.

EDUCATION

Ph.D (Machine Design)	Z.H.C.E.T, Aligarh Muslim University, Aligarh.	AMU, Aligarh	Completed	Nov2015 – Jul 2022
M.Tech. (Machine Design)	S.S.I.T.M, Aligarh	A.K.T.U. Lucknow	72%	Aug 2011 – Nov 2014
B.Tech. (Mechanical Engineering)	S.S.I.T.M, Aligarh	A.K.T.U. Lucknow	68%	Aug 2005 – Jul 2009
Intermediate	Central School, Aligarh	CBSE	64%	Apr 2003 – May 2004
High school	Ingraham Institute English School , Aligarh	CBSE	65%	Apr 2001 – May 2002

INDUSTRIAL TRAINING: 2 MONTHS

❖ M/s New Allenberry Works, Faridabad

(Manufacturer of all types of gears and connecting rods)-**Jun 2007 to Jul 2007**

❖ M/s Sterling Tools Limited, Faridabad (Manufacturer of fasteners)- **Jul 2008 to Aug 200**

RESEARCH AND TEACHING EXPERIENCE: 10+ Years

Vivekananda college of Technology and Management, Aligarh	Assistant professor & Dean students Welfare	Aug-2022 – Till Date Aug-2015- Mar2016
Department of Mechanical Engineering, Aligarh Muslim University, Aligarh	Teaching Assistant	Oct 2016 – Sep 2019
Radha Govind Group of Institutions, Meerut	Assistant professor	Jul 2014 – Jun 2015
Institute of Technology and Management, Aligarh	Assistant professor	Aug 2013 – Jul 2014
Vision Group of Institutions, Aligarh	Lecturer	Sep 2009 – Jul 2011

PUBLICATIONS

- ❖ Yasin, M. Y., **Prakash, B.**, ur Rahman, N., Alam, M. N., & Khan, A. H. (2023). Design, fabrication, nonlinear analysis, and experimental validation for an active sandwich beam in strong electric field and thermal environment. *Journal of Sound and Vibration*, 117828.(SCI)
- ❖ Yasin MY, **Prakash B**, Khan AH. Finite element model based on an efficient layerwise theory for dynamics and active vibration control of smart functionally graded beams. *Mater Res Express* 2020; 7: 025703.(SCI)
- ❖ **Prakash B**, Yasin MY, Khan AH, et al. Optimal location and geometry of sensors and actuators for active vibration control of smart composite beams. *Aust J Mech Eng* 2020; 1–19.(SCI)
- ❖ **Prakash B**, Amir M, Yasin MY, et al. Active vibration control of smart laminated beams using PFRC patches as sensors and actuators. *Mater Today Proc* 2020; 21: 1355–1360.
- ❖ M. Yaqoob Yasin , Mirza S. Beg , **Bhanu Prakash** , Static Shape Control of Smart Functionally Graded Beams using an Efficient Finite Element Model *AIP conference proceedings*. *AIP Conference Proceedings* 2273, 050059
- ❖ Yasin MY, Kumar P, **Prakash B**, et al. Nonlinear Response of Piezoelectric Curved Actuators at High Applied Electric Fields. *Adv Sci Eng Med* 2018; 10: 403–407.

LANGUAGES KNOWN

★★★★☆English

★★★★★Hindi

★★★☆☆Urdu

TECHNICAL SKILLS

LaTeX
ANSYS, Auto CAD
Six Sigma, 5S, FPA, PPAP, ISO
Documentation Basic course of computer Application.

ACHIEVEMENTS

- ❖ Aailed **CSIR-SRF Direct** Fellowship during PhD (2018-2021).
- ❖ Aailed **UGC NON NET** Fellowship during PhD (2015-2018).
- ❖ Awarded best paper in International conference (**ICMME-2017**) at Kanchipuram, Tamilnadu.
- ❖ Qualified **Industry officer exam** for Punjab National Bank (2009).
- ❖ Financial assistance from by DST-SERB for participating in the International Conference on Mechanical and Manufacturing Engineering (ICMME-2017)
- ❖ Financial assistance from TEQIP –III for attending Workshop on “Emerging applications of nonlinear dynamics and chaos in science and engineering”
- ❖ Financial assistance from TEQIP –III for attending Workshop on “Modeling, Simulation and Implementation using MATLAB and Simulink”
- ❖ Financial assistance from TEQIP –III for attending Short course on “Mechanics of Reinforced Polymer Composites”

PROJECTS

- ❖ Research work on “Geometrical and material nonlinear modeling of smart composite structures.
- ❖ Stress Strain Analysis of Composite Beam Using ABAQUS (A 3-D Software) during M.Tech.
- ❖ Currently working on Design software’s (ABAQUS and ANSYS).

SUBJECTS TAUGHT

Strength of
Materials,
Machine Design,
Engineering
Mechanics,
Fundamentals of mechanical engineering,
Theory of Machines and Many more.....

CONFERENCES

- ❖ Presented paper on “**Static Shape Control of Smart Functionally Graded Beams using an Efficient Finite Element Model**” in **International Conference on Mechanical, Materials and Renewable Energy (ICMMRE-2019)** organized by **Department of Mechanical Engineering at SMIT, SIKKIM** during December 6-7, 2019.
- ❖ Presented paper on “**Active vibration control of smart laminated beams using PFRC patches as sensors and actuators**” in **Sixth International Conference on Recent Advances in Composite Materials (ICRACM-2019)** organized by **Department of Mechanical Engineering at IIT BHU VARANASI** during 25-28th February 2019.
- ❖ Presented paper on “**Nonlinear Response of Piezoelectric Curved Actuators at High Applied Electric Fields**” in **Second International Conference on Mechanical and Manufacturing Engineering (ICMME-2017)** organized by **Department of Mechanical Engineering, SCSVMV University, Kanchipuram Tamil Nadu** during April 06-07, 2017.
- ❖ Attended National Conference on **Mechanical Engineering- Ideas, Innovations and Initiatives (NCMEI3-2016)** organized by **Department of Mechanical Engineering, ZHCET, AMU** during April 16-17, 2016.

RESPONSIBILITIES AND MEMBERSHIPS

- ❖ Member of International Association of Engineers (**IAENG**) Member Number: 281009
- ❖ Member of “**The National Assessment and Accreditation Council (NAAC) committee**” in VCTM, Aligarh.
- ❖ Working as **Dean student’s welfare (DSW)** in VCTM Aligarh (**01st Sep 2023 - Till Date**)
- ❖ Co- coordinator of **IQAC** in VCTM Aligarh.
- ❖ Organized an event “**TECHFEST-2025**” during 24th April to 25th April 2025, at Vivekananda College of Technology and Management, Aligarh.
- ❖ Organized A One week Faculty Development Program (FDP) on “**Research methodology**” in VCTM, Aligarh (**29th Jan – 4th Feb 2024**)
- ❖ Organized A One day seminar on “**Intellectual property Rights (IPRs)**” in VCTM, Aligarh on **16th May 2024**.

- ❖ Organized 15th International Ergonomics conference on Humanizing Work and Work Environment (**HWWE-2017**) at **ZHCET, AMU Aligarh** during **Dec 8-10, 2017**.
- ❖ Organized a seminar on **Robo tryst** (A venture of IIT Delhi) related to Automobile in RGGI, Meerut **Aug 2015**.
- ❖ Reviewed manuscript for IOP Conference Series: Materials Science and Engineering
- ❖ Reviewer of IJIRT (International Journal of Innovative Research in Technology).

WORKSHOPS

- ❖ Attended one week faculty development program on “**Multidisciplinary Approaches to Social and Legal Issues in India**” held from 11 Mar 2024- 16 Mar 2024 at **Vivekananda College of law, Aligarh**.
- ❖ Participated in the Webinar on “**Wet Flue Gas Desulphurization in Coal Fired Power Plants**” held on 17 Feb 2024, organized by **Department of Mechanical Engineering, ZHCET, AMU, Aligarh**.
- ❖ Participated in Five days faculty development program on “**Recent Advancements in Science and Engineering (RASE-2022)**” held from 26 Dec 2022- 30 Dec 2022 at **Regional college for Education Research and Technology, Jaipur**.
- ❖ Participated in the webinar “**Ethics in Research**” organized by **Department of Mechanical Engineering, ZHCET, AMU** held on August 24, 2022.
- ❖ Attended webinar on “**Introduction and Hands-On Practice of Cae Package: Abaqus Software**” organized by Mechanical Engineering Section, University Polytechnic, AMU, Aligarh, India on March 12, 2022.
- ❖ Participated in online short term course on “**Introduction to Nonlinear finite element methods**” organized by **Department of Applied Mechanics, IIT Delhi**, during Dec 1-5, 2020.
- ❖ Participated in **National workshop on emerging applications of nonlinear dynamics and chaos in science and engineering** organized by **IIT JODHPUR** during Dec 13-15, 2018.
- ❖ Participated in Workshop on '**ADAPTRONICS**' (**Shape control, Vibration control, Noise reduction and Structural health monitoring**) organized by Department of Mechanical Engineering, **IIT MANDI** during September 20-23, 2017.
- ❖ Participated in training programme in **ANSYS** software organized by **Department of**

Mechanical Engineering, ZHCET, AMU during March, 18-31, 2017.

- ❖ Participated in **TEQIP Workshop on Modeling, Simulation and Implementation using MATLAB and Simulink** organized by **IIT, Kanpur** during February 01-02, 2017.
- ❖ Participated in **TEQIP School on Mechanics of Reinforced Polymer Composites** organized by **IIT, Kanpur** during January 22-25, 2017.
- ❖ Participated in **National Workshop on Condition Monitoring of Machines (NWCMM-2016)** organized by **Department of Mechanical Engineering, ZHCET, AMU** during October 19-20, 2016.
- ❖ Participated in **One Week FDP and Finishing School on Computational Methods in Engineering Mechanics** under TEQIP organized by **Department of Mechanical Engineering, ZHCET, AMU** during October 03-07, 2016.

PERSONAL DETAILS

Father's Name: Mr. B.K. Sharma
Date of birth: 04/06/1986
Nationality: Indian
Sex: Male

REFERENCES

Dr. Mohd. Yaqoob Yasin
(Assistant Professor)
Dept. of Mechanical Engg.
AMU, Aligarh.
Contact: +91-9412641665

Dr. Arshad H. Khan
(Professor)
Dept. of Mechanical Engg.
AMU, Aligarh.
Contact: +91-9711556950

DECLARATION

I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge and belief. I take full responsibility for the correctness of the said information.

Date:
Place: Aligarh

{BHANU PRAKASH}