

CURRICULUM- VITAE

Dr. SHAH FATEH AZAM

Head & Assistant Professor

KIPM College of Engineering and

Technology Gida, Gorakhpur-273209

Address:486X North Humayupur New Area Kabir

Nagar Gorakhanth , Gorakhpur (U.P.) India-273015

Contact No. +91 9889295147, 9415327181

E-mail:shahfateh.azam29@gmail.com

azam@kipm.edu.in



Career Objective

To obtain a creative and challenging decree that provides me opportunity to utilize my knowledge, leadership, managerial and interpersonal skills for the mutual benefit of the institution and scholars.

Professional Strengths:

- Outstanding communication and interpersonal skills.
- Excellent time management and organizational skills.
- Persuasive, emphatic with good problem-solving skills.
- Proficient in Microsoft Outlook, excel and Internet Explorer.
- Quick learner, detail oriented and ability to adapt to new processes in limited time frame.
- Multi-tasking skills and ability to work under pressure.

Professional Qualification:

- **Doctoral of Philosophy (Ph.D.)** from, **Indian Institute of Technology (BHU) Varanasi**, 221005, (UP), India.(2019)
Thesis titled “ **Modelling and Analysis of Dragline Bucket**”. Using **ANSYS and MATLAB Tool for Analysis and Optimization**.
- **Master of Technology (Hons.) in Computer Integrated Manufacturing (CAD/CAM)** from **Madan Mohan Malaviya Engineering College, Gorakhpur** with **76.90%** of

marks.(2013)

Dissertation titled “**Optimization of EDM Process Parameter Using Genetic Algorithm**” with modeling and optimization based on toolbox Central Composite Design of Design Expert and GA Tool of MATLAB”.

- **Bachelor of Technology in Mechanical Engineering** from **Institute of Technology & Management, Gida, Gorakhpur** with **67.26%** of marks.(2008)

Project titled “**Eco friendly Refrigerator or Solar cell Refrigerator**”. To connect a changeover switch for polarity reversing for cooling and heating effect inside the enclosed assembly.

Academics Qualification

- **Intermediate** from **UP BOARD** with **67.00%** of marks.(2004)
- **High School** from **UP BOARD** with **63.16%** of marks.(2002)

Work Experience

- Working as **Assistant Professor in Mechanical Engineering Department in KIPM College of Engineering and Technology Gida, Gorakhpur , (U.P), India.**
- Worked as **Assistant Professor in Mechanical Engineering Department at Madan Mohan Malaviya University of Technology Gorakhpur, (U.P.), India.**

Administrative Experience:

- **Head**, Mechanical Engineering Department, KIPM College of Engineering & Technology, Gida ,Gorakhpur (November 2022 to till date).
- **Innovation Cell-Incharge** , KIPM College of Engineering & Technology, Gida ,Gorakhpur (February 2022 to April 2023).
- Member, Proctorial Board , KIPM College of Engineering & Technology, Gida ,Gorakhpur

Research Interest:

- Modelling and simulation
- Design
- Production

Subject Taught:

- Fluid Mechanics and Fluid Machines
- Manufacturing Process
- Advance Welding
- Theory of Machines
- Non-Destructive Testing

B.Tech. Project:

- Supervised : 14

Conference/ Workshop/ Training Organized:

- Organized the One-Day International Workshop entitled “**Sustainable Technology Development for Energy & Water Sector (STDEWS-2023)**” Jointly with Madan Mohan Malaviya University of Technology Gorakhpur (U.P.) and Indian Desalination Association (InDA) in November 2022.

Conference/ Workshop/ Training Attended:

- Completed MOOCs course (NPTEL Online Certification) entitled “**NBA Accreditation and Teaching and Learning in Engineering (NATE)**” organized by NPTEL with the help of IISc Bangalore during January 2023 to April 2023 with consolidated score of 75%.
- Participated in the Six-week Faculty Development Program (FDP) entitled “**NBA Accreditation and Teaching and Learning in Engineering (NATE)**” organized by NPTEL in association with AICTE during January 2023 to April 2023.
- Attended one-week Faculty Development Program (FDP) entitled “**Research Scope in Electric Vehicles (in collaboration with ANSYS)**” organized by Electrical Engineering Department, KIPM College of Engineering & Technology, Gorakhpur, U.P. in association with NTTTR Chandigarh during 05th December 2022 to 09th December 2022.

- Attended one-week workshop in the **“SPARC online workshop on CO2 refrigeration systems: Fundamentals, Advancements and Applications”** jointly organized by **IIT Madras, IISc Bengaluru and NTNU Norway from 10/10/2022 to 14/10/2022.**
- Undergone Innovation **Ambassador (IA) training ‘Foundation Level’** (Total 15 Sessions of 30contact hours) conducted in online mode by MoE’s innovation Cell & AICTE during the IIC calendar year 2021-22.
- Participated in IP Awareness/ Training program under **“Innovation and Startup and Discovering Intellectual Property Rights(IPRs)”** Organized by Sagar Institute of Research and Technology- Excellence, Bhopal, India on 11th July 2022.
- Attended workshop on, one-day ONLINE impact lecture session I on **“Introduction to the goods and service tax (GST) for new Entrepreneurs”** and Entrepreneurship journey and advancement in technology during my startup journey” (27th June,2022), organized by Sagar Institute of Research and Technology -Excellence, Bhopal.
- Participated in IP Awareness/ Training program under **“National Intellectual Property Awareness Mission”** Organized by Intellectual Property Office, India on 31st May 2022.
- Attended workshop on, one-day online Workshop On **“Prototype/Process Design and Development-Prototyping”** (26 May,2022), Organized by Department of Mechanical Engineering And DTU-IIF, Recommended by Ministry of Education.
- Attended workshop on , One-Week Online Workshop on **Cyber Security and Information Assurance** (Jan 27 – Jan 31) (CSIA 2022), Rajkiya Engineering College, Sonbhadra in January 2022.
- Attended workshop on **Mechanical Static , Dynamic and Space Claim on Ansys Software** March 2019.
- Attended workshop on **Research Methodology and Writing Skill** organized by **IIT BHU Varanasi** in May 2016
- Attended the **AICTE-Sponsored National Seminar on Active and Smart Materials (NASAM-12)**, organized by **Department of Applied Sciences (Physics), Madan Mohan Malaviya Engineering College, Gorakhpur** on 23rd & 24th March 2012.

International and National Publications

- Investigation of **Material Removal Rate and Surface Morphology of Al-6061 Alloy in Turning Process**, , Materials Today: Proceedings, Elsevier (**Accepted**).
- **Effect of Machining Parameters to Surface Characteristics in Machining of Al 6061 Alloy**, Materials Today: Proceedings, Elsevier (**Accepted**).
- Published a research paper entitled “**Influence of Rake Angle, Bucket Width & Teeth Depth of Dragline Bucket on the Resistive Force in Different Rock Types**”, Current Science journal,(2020), vol.118 (1),pp 26-28. (SCI)
- Published a research paper entitled “**Stress Analysis of Dragline Bucket in Operating Condition**”, (2019), Modelling C, Vol. 80, (1) pp 5-10. (SCOPUS)
- Published a research paper entitled “**Finite Element Based Simulation and Analysis of Dragline Bucket in Static and Dynamic Loading Condition**”, Current Science journal, (2019), vol.116 (4),pp 612-619.(SCI)
- Published a research paper entitled “**Modelling of Dragline Bucket for Determination of Stress**” (2018), Modelling C, Vol. 78, (3) pp 392-402. (SCOPUS)
- Published a research paper entitled “**Optimization of Electric Discharge Machining Process Parameters Using Genetic Algorithm**” International Journal of Engineering Research & Technology, (2013)Vol. 2 Issue 9.
- Published a research paper entitled “**Application of MATLAB In Modeling and Optimization of Unconventional Finishing Process**” International Journal of Engineering Research & Technology, (2013)Vol. 2 Issue 9.

International Conferences

- **Investigation of Material Removal Rate and Surface Morphology of Al-6061 Alloy in Turning Process**, International Conference on Advances in Materials, Mechanics, Mechatronics & Manufacturing (IC4M 2023), City Centre, Gwalior, Madhya Pradesh, India, April 15th -16th 2023.
- **Effect of Machining Parameters to Surface Characteristics in Machining of Al 6061 Alloy**, 14th International Conference on Material Processing and Characterization (ICMPC-2023), GRIET Hyderabad, India, March 24th -26th 2023.

Achievements:

- **Qualified Gate** -2011
- Certificate of Motivation for Improvement of Academic Feedback (2021-22) by the KIPM College of Engineering and Technology Gida , Gorakhpur, U. P.

Industrial Training:

- **Bhilai Steel Plant (SAIL) , Bhilai.** Visited different Engineering Shops (SMS-I,SMS-II,PLATE MILL,SINTERING PLANT ,RAIL AND STRUCTURAL MILL, BLAST FURNACES).

Tools/Computer Skills:

- BASIC AUTO CAD
- ANSYS
- SOLID WORKS
- MATLAB

References:

- **Prof. D .K. Singh**, Professor, MED, M. M. M. University of Technology, Gorakhpur, E-Mail: dhirenks@gmail.com, Tel. No. +91-9452972971
- **Prof. Piyush Rai**, Professor, Mining Engineering Department, IIT (BHU)
Mail: praimin@iitbhu.ac.in, Tel. No. +91-9452071076
- **Dr. Mohd. Zaheer Khan Yusufzai**, Associate Professor, Mechanical Engineering, Department, IIT (BHU)
Mail: mzkhan.mec@iitbhu.ac.in, Tel. No. +91-8853229620

Personal Information:

Father's Name	:	Naim Ahmad
Date of Birth	:	10-09-1989
Gender	:	Male
Marital Status	:	Married
Languages Known	:	English, Hindi, Urdu, and Arabic.
Nationality	:	Indian
Religion	:	Islam
Permanent Address	:	H No: 486x North Humayupur New Area Kabir Nagar Gorakhanth, Gorakhpur (U.P.) India- 273015

Declaration

All the information given above by me is true and accurate to the best of my knowledge and belief.

Date: 20/02/2024**Place: Gorakhpur****(Dr. SHAH FATEH AZAM)**