

CURRICULAM VITAE

SHASHANK KUMAR KUSHWAHA

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CAREER OBJECTIVE

To give my best skills to an institute using my knowledge & strength.

TEACHING EXPERIENCE: (10 YEAR)

1. Working as Assistant Professor in (BBD GROUP OF EDUCATIONS TIWARI GUNJ LUCKNOW) **BBDNIIT** Lucknow from **8, August, 2015 to till date.**
2. **Eight-month (2013)** experience as AP in MCSEC Lucknow.

Assistant Professor in the Department of Mechanical Engineering with over 10-year experience in teaching core Mechanical subjects. Inspire students to pursue academic and personal excellence. Organized and driven with innate ability to stay on task. Interested in learning and implementing innovative methods and technologies in teaching learning process. Have 9 years' experience for first year's subjects like Engineering Mechanics and Engineering workshop lab. I have taught many subjects for Mechanical department, major subjects are Thermodynamics, Applied thermodynamics, Strength of material, IC Engines, Automobile Engineering, Industrial Engineering, Energy science Engineering and RER.

EDUCATION QUALIFICATION

1. Pursuing PhD (Mechanical ENGG.) from Dr. A.P.J. Abdul Kalam Technical University (2025, Phase II).
2. Passed M.Tech (full time, session 2010-2012) in Thermal Engineering from Kamla Nehru Institute of Technology Sultanpur in Dec 2012 (73.35%).
3. Passed B.Tech in Mechanical Engineering from Northern India Engineering College Lucknow in 2010 with first division.
4. Passed Intermediate Examination in 2006 from U.P. Board in first division.
5. Passed High School Examination in 2004 from U.P. Board in first division.

INDUSTRIAL EXPOSURE

1.RDSO LUCKNOW

DURATION 30 DAYS

TRAINING AREA BOGIE COMPARTMENT COMPANY

2.HAL LUCKNOW

DURATION 30 DAYS

TRAINING AREA S

IX SIGMA

COMPUTER KNOWLEDGE

Certificate of CCC, passed in 2014.

C language

PROJECT REPORT AND THESIS

1. Mobile Petrol Electric Welding Generator. Machine Working in Industries and Railways for Welding Purpose.
2. Six Sigma Based on Industries Parts Production.
3. Cryocooler Refrigeration System. Thesis “Mathematical Analysis of Pulse Tube Cryocoolers Technology”.

FACULTY DEVELOPMENT PROGRAM

1. Attained FDP Program on Innovation and Entrepreneurship Organised by Innovation Hub AKTU&AICTE MIC from 25/03/2026 to 29/03/2026.
2. Faculty Development Program on Machine Learning with Python organised by E&ICT Kanpur from 22-07-2024 to 03-08-2024.
3. FDP ON RECENT TRENDS IN CIVIL AND MECHANICAL ENGINEERING ORGANISED BY BBDITM LKO 09/09/2024 TO 14/09/2024.
4. Faculty Development Program on DATA ANALYSIS USING ADVANCED EXCEL organised by E&ICT Kanpur from 01-02-2022 to 07-02-2022.
5. Attained FDP Program in IITK 2019 (3D PRINTING).
6. Passed with Excellent NPTEL Course on Advanced Thermodynamics In 2018.

BOOK PUBLICATION

1. Book published on Basic mechanical engineering, ISBN NO. 9781971938059 in 2026.

TECHNICAL QUALIFICATION:

1. **Analysis on Ansys** – Modelling, Meshing, Structural Design, Heat Transfer Analysis, Optimization, Flow Analysis, Linear Analysis.
2. **Solid Works** – Design Process, Sketch Solving, 3d Design, Sweep, Revolve, Extrude & Draft. Features. Drill Holes, Counter Bores, Fillet. Creating Drawing, 2d&3d Conversion. Work Flow Analysis, Assembly Drawing.
3. **Auto Cad** – 3D Design.
4. Working on **fluent** tool just like computational fluid dynamics during M. Tech. thesis.

PAPER SUBMISSIONS

INTERNATION AL CONFERENCE	INTERNATIONAL JOURNALS	NATIONAL CONFERENCE	POSTER PRESENTATION (INTERNATIONAL)	PATENT
01	01	02	01	submission

(Annexure-I)

INTERNATIONAL CONFERENCE

1. Shashank Kumar Kushwaha & et. al., “3-Phase Grid Connected Liquid Solar Arrays Photovoltaic Inverter Control loop design” in IEEE Students’ Conference on Electrical, Electronics and Computer Science (SCEECS 2012), during 1st- 2nd March, 2012, organized by National Institute of Technology, Bhopal.

NATIONAL CONFERENCE

2. Shashank Kumar Kushwaha & et. al. “Heat Transfer by Electronic Cooling” in ASME & AICTE Sponsored National Conference on Advances in Mechanical Engineering & Emerging Technologies (AMEET 12), 7th-8th April, 2012, Department of Mechanical Engineering, KNIT Sultanpur.
3. Shashank Kumar Kushwaha & et. al. “Distributed Power Supply by Using Green Power Generation Technology: Survey Approach” in ASME & AICTE Sponsored National Conference on Advances in Mechanical Engineering & Emerging Technologies (AMEET 12), 7th-8th April, 2012, Department of Mechanical Engineering, KNIT Sultanpur.

(Annexure-II)

POSTER PRESENTATION

4. Shashank Kumar Kushwaha & et. al., "A brief Introduction of Human Models used in Various Industrial Applications: An Overview" in Students' Conference on Engineering and Systems (SCES-2012) Co-sponsored by IEEE joint Society of IE/PEL/CS Technically sponsored by IEEE UP Section, 16th-18th March, 2012, MNNIT Allahabad.

INTERNATIONAL JOURNALS

5. Shashank Kumar Kushwaha & et. al., Global international of researches in engineering electrical and electronics engineering journals, "Mathematical Analysis of Pulse Tube Cryocoolers Technology" Volume 12 Issue 6 Version 1.0 May 2012 Type: Double Blind Peer Reviewed International Research Journal Publisher: Global Journals Inc. (USA) Online ISSN: 2249-4596 & Print ISSN: 0975-5861.

EXTRA CURRICULUM ACTIVITIES

1. Participated in National Conference on AMEET 2012 in K.N.I.T Sultanpur as Organizing of Souvenir Editing and Designing and Head of Presentation at Conference.
2. Participated in National Conference on CAEE-RT 11 in M.I.T.S Gwalior.
3. Participated as an Organizer in the National Conference in ETEEE in Knit Sultanpur.

PERSONAL DETAIL

DOB 16.09.1989

FATHER NAME: OM PRAKASH MAURYA

MOTHER NAME: ASHA MAURYA

Place: Lucknow