



Mr. Pradeep Patanwar

Master of Technology

Mechanical Engineering

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Area Of Interest: Refrigeration & Air Conditioning, I.C. Engine, Fluid Mechanics, Thermodynamics & Power Plant Engineering

Want to establish the milestone in the field of education & desire to achieve the impossible goals. Would like a profile that offers challenges and responsibilities to serve the organization with in the best of my capacity and ability where I can learn and contribute to its growth.

CAREER OVERVIEW

- More than **11 years** of experience in managing research activities, teaching assignments, coordinating with the team and enhancing process operations.
- A thorough professional with a proactive attitude, capable of thinking in & out of the box.
- Experience of facilitating / coaching students by using interactive discussions and hands-on approaches to help students learn and apply concepts in subjects.
- An energetic, self-motivated team leader with hands on experience in requirements gathering, examination, evaluation and customization.

EMPLOYMENT RECITAL

Guru Ghasidas Vishwavidyalaya, Bilaspur

22nd November'2019 – Till Present

(Department of Mechanical Engineering)

Joined as an Assistant Professor

Government College of Engineering, Keonjhar

29th September'2018–21st November'2019

(Department of Mechanical Engineering)

Joined as an Assistant Professor

Anand Engineering College, Agra

10th July'2012 – 28th September'2018

(Department of Mechanical Engineering)

Joined as an Assistant Professor

in Sharda Group Of Institutions, AEC Campus, Agra.

Job Profile-

- ☑ Planning and organising day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives; setting up, calibrating, operating and maintaining a variety of laboratory equipment as specified by the requirements of the research study.
- ☑ Ensuring appropriate procedures and standards for the collection and preservation of data are adhered to.
- ☑ Undertaking validation & development of courses and training material as well as involved in training evaluation and assessing effectiveness.
- ☑ Maintaining productive learning environment by stating classroom rules, holding students accountable for their

actions and implementing consistent and fair consequences

- ☑ Preparing exercises, questionnaires and assignments for students. Identifying, collecting, processing, analysing and cataloguing data according to established protocol, procedures & standards, as appropriate to specific objectives of the research study.
- ☑ Visiting different companies for placement of students. Giving companies an insight of students capabilities

SCHOLASTICS

- ☑ M.Tech (Thermal & Fluid Engineering) in 2012 from Indian Institute of Technology, IIT-BHU, Varanasi, India with 8.19 CGPA.
- ☑ B.Tech (Mechanical Engineering) in 2009 from Krishna Institute Of Engineering & Technology, Ghaziabad, India with 63.33%.
- ☑ 12th (Physics, Chemistry, Mathematics, English, Computer Science) in 2005 from The Aditya Birla Public School, Jagdishpur, India with 72.60%.
- ☑ 10th (English, Hindi, Social Studies, Science, Mathematics) in 2003 from Delhi Public School, Jagdishpur, India with 76.60%.

ACADEMIC PROJECTS

Project Title Hybrid Desiccant Cooling System
Organisation IIT-BHU, Varanasi, Refrigeration & Air Conditioning Lab
Duration 2 Year
Description The studies were aimed at targeting to reduce the power consumption of Air Conditioning System.

Project Title E-Mech Power System
Organisation KIET, Ghaziabad, Mechanical Workshop Lab
Duration 1 Year
Description The studies were aimed at targeting to reduce electricity consumption.

PAPER PUBLISHED, BOOK PUBLISHED & IN COMMUNICATION

- ☑ **Pradeep Patanwar**, Jitendra Bhardwaj, Vikas Sharma (2024) Design And Fabrication Of Dual Axis Solar Tracking System At Tropical Climatic Region, EMERG, Vol.10, Issue 1/2024, pp. 56 – 68.
- ☑ **Rajesh Kumar Dewangan, Samarjit Singh, Biplab Das, Manish Bhaskar, Pradeep Patanwar, Pankaj Kumar Gupta, Sung Soo Han, Rakesh Bhaskar** (2023) Influence of Stacking Sequence and Orientation on Tensile and Flexural Properties of Jute/glass/carbon Fiber Epoxy-based Hybrid Composites, Polym. Korea, Vol. 47, No. 5, pp. 574-581 (2023) (<https://doi.org/10.7317/pk.2023.47.5.574>)
- ☑ **Pradeep Patanwar and S.K.Shukla**, (2012) Mathematical Modelling and Experimental Investigation of Hybrid Desiccant Cooling System accepted for publication in International Journal of Sustainable Energy. (<http://dx.doi.org/10.1080/14786451.2012.751915>)
- ☑ **Pradeep Patanwar and S.K.Shukla**, (2012) Parametric Studies of Hybrid Desiccant Cooling System, International Journal of Energy Engineering, Vol. 2(5), 253-258. (SAP, USA)

BOOK PUBLISHED: Author(s): Ajay Sharma, **Pradeep Patanwar**
Title: Handbook for Basic Manufacturing Process
Publisher: Laxmi Publication
Publication Year: 2014

BOOK CHAPTER: Author(s): Prashant Kumar Jangde, T VARjunan, **Pradeep Patanwar**
Title: Energy Utilization In Food Processing Industries
Publisher: CRC Press (Taylor And Francis Group)
Publication Year: 2025

IT Skills: Well versed with C++, MS – Office and Internet Applications.

PATENT PUBLISHED

- SOLAR ENERGY STORAGE SYSTEM** - Patent No. 383025, Published Year 05th April 2023, Indian Patent
- LONGITUDINAL FINS EVACUATED TUBE SOLAR AIR HEATER**- Patent No. 2021100087, Published Year 31st March 2021, Australian Patent
- A CHIP COOLING SYSTEM**- Patent No. 202023100669, Published Year 16th March 2023, German Utility Patent

TECHNICAL SKILLS

1. Big Data Analysis :
 - Algorithms
 - Calculating
 - Documentation
 - Modeling
 - Modification
2. Programming :
 - Programming
 - Applications
3. Project Management :
 - Engineering
4. Social Media Management :
 - Social Media Platforms (Twitter, Facebook, Instagram, LinkedIn, etc.)

OTHER CREDENTIALS

- Gate 2010 in Mechanical Engineering with 90.02 percentile.

EXTRAMURAL ENGANGEMENTS

- Member of The Institute of Engineers India(IEI) student chapter
- Undergone Industrial Training Program - 2023 organized by NTPC RLI-Sipat from 10th June 2023 to 10th July 2023
- Undergone summer vocational training at Indo Gulf Fertilizer Limited, Jagdishpur from 11th June 2007 to 21st July 2007
- Undergone summer vocational training at Bharat Heavy Electrical Limited, Jagdishpur from 11th June 2008 to 25th July 2008
- Successfully completed and examination passed in all Eight 8 *online modules of MOOCs* in SWAYAM as per the AICTE

PERSONAL DOSSIER

Date of Birth : 06th February, 1988.
Present Address : S/O Fatte Lal Patanwar,
House no B- 50 A, Infront of BDA office ,
Shakti chowk, Rajkishore nagar,
Lingiyadih, Bilaspur,
Chhattisgarh - 495006
Languages Known : English and Hindi

References

Available on request