



Pradeep Patanwar
Assistant Professor

Centre/School/Special Centre: SoSEngg. & Tech.

Department: Mechanical Engineering

Phone: 7906098789

Email: pradeep.patanwar@ggu.ac.in

Personal Webpage Link:

Qualifications:

B.Tech (Mechanical Engineering)

M.Tech (Thermal & Fluid Engineering)

Area of Interest/Specialization:

Refrigeration & Air –conditioning, Fluid Mechanics,
Heat Transfer, Thermodynamics

Experience:

10 Years

Awards and Honors:

Research Projects:

S.No.	Name of the Principal Investigator / CoPrincipal Investigator	Title of the project	Funding Agency`	Amount Received / Requested	Status Sanction / Submission
1	PI Prof. T. V. Arjunan CO-PI Mr. Pradeep Patanwar	<i>“Development of Longitudinal-fins Evacuated Tube Solar Air Heater”</i>	AICTE	25 Lac	Submitted (Not Sanctioned)
2	PI Prof. T. V. Arjunan CO-PI Mr. Pradeep Patanwar	<i>“Performance enhancement of Impinging Jet Solar flat plate air heater using Artificial Roughened Absorber Plate for drying agricultural products”</i>	State Planning Commission Chhattisgarh	5 Lac	Submitted (Not Sanctioned)

International Collaboration/Consultancy:

Best Peer Reviewed Publication (up-to 10):

- Pradeep Patanwar and S.K.Shukla,(2012) Mathematical Modelling and Experimental Investigation of HybridDesiccant 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, InternationalJournal of Energy Engineering, Vol. 2(5), 253-258. (SAP, USA)

Recent Books/Book Chapters/Monographs etc.:

Author(s): Mr. Ajay Sharma, and Mr. Pradeep Patanwar
Title: Basic Manufacturing Process
Publisher: Laxmi Publication
Publication Year: 2014

Research Supervision:

Administrative Responsibilities:

- Departmental NBA Co-Coordinator for the period of 3 years.
- Member of The Institute of Engineers India(IEI) student chapter
- Monthly Report In-Charge for Department of Mechanical Engineering
- Heat Mass Transfer Lab in Charge
- B.Tech^{8th}Sem Class in charge 2020-21
- Subject Syllabus Preparation for BOS 2020, 2021(3rd, 4th 5th, 6th, 7th & 8th Semester)
- Member of Games and sports committee in the School of Engineering & Technology for the session 2019-20.

Additional Information:

Professional Experience:-

- **Assistant Professor (22nd Nov 2019 Till Now)** , Department of Mechanical Engineering, Guru Ghasidas Vishwavidyalaya, Bilaspur, (C.G)
- **Assistant Professor (29th September 2018 – 21st November 2019)** , Government College of Engineering, Keonjhar
- **Assistant Professor (10th July 2018 – 28th September 2018)** , Anand Engineering College, Agra

Patent Filed: Patent number: - 2021100087 Dated 31 March 2021

Title of invention: - *“Longitudinal Fins Evacuated Tube Solar Air Heater”*

Workshop / Webinar/Seminar/Conference Organized:-

- Organized Workshop on **“Energy Conservation & Energy Efficiency”** with Chhattisgarh Renewable Energy Development Agency (CREDA) with Skill Development Cell GGV Dated 04 March 2020
- Organized Webinar on **“Smart Sustainable Buildings and New Material Technology”** ISHARE Agra Sub Chapter Dated 04 July 2020.
- Organized Webinar on **“Financial Planning, Risk Profiling and Investment Instruments”** Dated 09 September 2021

Workshop / FDP/Seminar/Conference attended:-

- Successfully completed and examination passed in all Eight 8 *online modules of MOOCs in SWAYAM as per the AICTE :-*
- i) **NITTT Module 1 “Orientation towards Technical Education & Curriculum Aspects”** by National Institute of Technical Teachers Training of 8 Weeks
 - ii) **NITTT Module 2 “Professional Ethics & Sustainability”** by National Institute of Technical Teachers Training of 8 Weeks
 - iii) **NITTT Module 3 “Communication Skills, Modes and Knowledge Dissemination”** by National Institute of Technical Teachers Training of 8 Weeks
 - iv) **NITTT Module 4 “Instructional Planning and Delivery”** by National Institute of Technical Teachers Training of 8 Weeks
 - v) **NITTT Module 5 “Technology Enabled Learning and Life-long Self-learning”** by National Institute of Technical Teachers Training of 8 Weeks
 - vi) **NITTT Module 6 “Student Assessment and Evaluation”**.by National Institute of Technical Teachers Training of 8 Weeks
 - vii) **NITTT Module 7 “Creative Problem Solving, Innovation and Meaningful R&D”** by National Institute of Technical Teachers Training of 8 Weeks
 - viii) **NITTT Module 8 “Institutional Management & Administrative Procedures”** by National Institute of Technical Teachers Training of 8 Weeks

I hereby declare that all the information given above is true to the best of my knowledge and Belief Documents will be provided on request.

Place: Bilaspur (Chhattisgarh)

Date: 19.04.2022

Pradeep Patanwar