

# PAWAN KUMAR PANT

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**Date of Birth:** 9th May 1985  
**Nationality:** Indian  
**Sex:** male  
**Residential Address:**  
S/O B.P.Pant; Pant Sadan;  
S.V. COLONEY ;  
Pithoragarh;  
Pin - 262502



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## Objective:

Searching quality environments/Institutions where my knowledge can be share & enrich, which will help me to explore myself fully and realize my potential. Willing to work as a team member & work for all round development of the self & the institution particulars

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## Experience

Currently working as an assistant professor in G.B.Pant Engineering College Pauri from last 2 years

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## Professional Qualifications:

Examination	Institution /University	Year of passing	Cgpa/Marks(%)
<b>M.TECH (THERMAL ENGG.)</b>	<b>I.I.T. DELHI</b>	<b>2009</b>	<b>8.71</b>
<b>B.TECH (MECHANICAL ENGG.)</b>	<b>D.I.T, DEHRADUN (U.P. TECHNICAL UNIV.)</b>	<b>2006</b>	<b>72.28%</b>

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## Educational Qualifications:

Examination	Institution /University	Year of passing	Percentage(%)
<b>CLASS X (SCIENCE)</b>	<b>VIVEKANAND VIDYA MANDIR,PITHORAGARH (U.P. BOARD)</b>	<b>1999</b>	<b>82</b>
<b>CLASS XII (SCIENCE)</b>	<b>S.D.S. INTERMEDIATE COLLEGE,PITHORAGARH (U.P.BOARD)</b>	<b>2001</b>	<b>81.20</b>

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## Technical Skills:

- **APPLICATION PACKAGE USED:** MS-OFFICE.
- **OPERATING SYSTEMS:** MSDOS, Linux, Windows 95, 98, 2000, XP, Vista.
- **PROGRAMMING LANGUAGES:** C, C++
- **MECHANICAL SOFTWARE'S:** Auto-Cad, Mechanical Desktop, Pro-E, Solid Works, Gambit, Fluent

## B. Tech. Final Year Project

### **AIR SPRING SUSPENSION SYSTEM**

**Description:** Riding two wheeler or bike is justified if it is having a control mechanism with an added advantage of comfort. While the later aspect is a great significance to rider but designing any two wheeler in order to accommodate its maneuverability facility former is given a due weightage. Air spring suspension system suits the control need statement criterion. Since it is mono shock so it has simultaneous single assembly compression and extension as compared to non uniform and unequal expansion of two suspensions of double suspension system. It has no oil and it has varying load carrying capacity also.

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## M. Tech. Research Work

### **VENTILATION STUDIES ON OPEN WINDOW BUS**

**Description:** In India traveling in overcrowded passenger buses is highly uncomfortable in hot and humid climate because of improper air flow. Thus there is a strong need to study the comfort and air flow pattern inside and outside of the bus because after knowing the exact flow pattern and interaction of outside and inside air one can develop arrangements for increasing comfort inside the bus. The project aims at performing numerical simulation for temperature & humidity effects inside the bus to get the optimal air flow for maximum passenger comfort and drag reduction for densely packed normal and low floor bus.

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## **Publications**

### **International Journal Publications**

1. Debasish Das, **M. K. Pathak**, Sachin Kumar, A. K. Saini, Pawan Kumar Pant, "Effect on diesel engine emissions with application of biodiesel fuel" International Journal of Research in Engineering & Applied Sciences, Vol 2 (2), ISSN: 2249-3905, pp.940-950, Feb. 2012.
2. M. K. Pathak, K. K. S. Mer, Pawan Kumar Pant, "Numerical Analysis of Natural Convection in Rectangular Enclosure with Heated Finned Base Plate" International Journal of Research in Mechanical Engineering and Technology, Vol 3 (2), ISSN: 2249-5762(Online), 2249-5770(Print), pp.64-67, May-Oct 2013.

3. M. K. Pathak, K. K. S. Mer, Pawan Kumar Pant, S. S. Samant, "Applications of Thermal Barrier Coatings on the Performance Parameters of Diesel Engines" International Journal of Research in Mechanical Engineering and Technology, Vol 3 (2), ISSN: 2249-5762(Online), 2249-5770(Print), pp.68-72, May-Oct 2013.

#### **International conference papers**

1. Sachin Kumar, Debasish Das, **M. K. Pathak**, A. K. Saini, Pawan Kumar Pant, "Effect on diesel engine emissions with application of biodiesel fuel" Accepted in International Conference on Competitiveness & Innovativeness in Engineering, Management & Information Technology (ICCIEM-2012), Maharaja Agrasen Institute of Management & Technology, Yamunanagar, Haryana, January 29, 2012.
2. Debasish Das, **M. K. Pathak**, Pawan Kumar Pant, 3D CFD Analysis of natural convection in rectangular narrow enclosure with heated finned base plate, International Conference on Emerging Trends in Engineering (ICETE-12), NMAM Institute of Technology, Nitte, Udipi (Karnataka), May 15-16, 2012, pp. 151-154.

#### **Short Term Courses**

- A TEQIP sponsored Short Term Course on Information Technology and Its Impact on Society (IT IS-2013) from 26- to 30 August 2013 at G. B. Pant Engineering College, Pauri.
- A Short Term Course on Advance Tribology at IIT Delhi.
- A TEQIP sponsored Short Term Course on

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#### **Awards**

1. **Excellence Award for the best UG and PG Project during the session 2008-2009 at IIT Delhi**
2. Awarded Rajya Bal Vigyani at National Children's Science Congress, Uttar Pradesh.

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#### **Achievements**

1. Secured A.I.R. 182 in Gate-2007 conducted by IIT Kanpur.
2. Worked in "National Wind Tunnel Facility" at IIT Kanpur.
3. Worked as a "Teaching Assistant" for two undergraduate courses in IIT Delhi.
4. Secured 17th rank in Uttarakhand state merit list for Class XII board exams.
5. Selected in "Integrated Scholarship Examination" conducted by Uttar Pradesh Govt.

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#### **Extra Curricular Activities**

1. Secured third position in regional level Essay writing competition conducted by the Ministry of Information and Broadcasting.
2. Secured second position in district level dramatics competition conducted by "Shardotsav Aivam Vikas pradarshani Samiti Pithoragarh"
3. School level Carrom champion.
4. Secured second position in senior level debate competition in " District Sports and Educational Festival"
5. Secured third position in speech competition conducted by " District Literacy Committee, Pithoragarh"

6. Secured first position in debate competition conducted by "District Science Club" on "National Science Day"
  7. Member of catering committee in college fest.
  8. Member of "Technical Activity Council" in college
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## Training

N.H.P.C PITHORAGARH

The 4 week summer training was done after 4<sup>th</sup> semester.

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## Other Interests

Watching and playing Cricket, Listening soft music

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## Declaration:

I am confident of my ability to work in a team.

I hereby declare that the information furnished above is true to the best of my knowledge.

**Date:**

**Place:**

**(PAWAN KUMAR PANT)**