

AMIT MEDHAVI

Address – Assistant Professor
Department of Mechanical Engg.
Kamla Nehru Inst. of Tech.
Sultanpur (U. P.), India-228118.

Contact@09532888592
09956220009

E-Mail –amitmedhavi@gmail.com
amitmedhavi@yahoo.co.in

Academic Qualifications

1. **Ph.D.** in Mechanical Engineering – Pursuing on the topic “Peristaltic Pumping of Fluids and Applications”, (Thesis submitted), Gautam Budh Technical University, Lucknow (U.P.).
2. **M.Tech.** in Mechanical Engineering (Industrial System Engineering), 2007, 76.6% - Ist Div. with **Honors**.
3. **B.E.** in Mechanical Engineering, 2001, 63.27% - Ist Div.
4. **Intermediate** in 1997, C.B.S.E., 55% - IInd Div.
5. **High School** in 1995, C.B.S.E., 73.27% - Ist Div.

Research Publications

1. **Medhavi, Amit** and Singh, U. K.

A Two-layered Suspension Flow Induced by Peristaltic Waves, International Journal of Fluid Mechanics Research 35 (Ukraine), 258-272, 2008.

2. **Medhavi, Amit**

Peristaltic Pumping of A Non-Newtonian Fluid, Applications and Applied Mathematics 3 (U.S.A.), 137-148 , 2008.

3. **Medhavi, Amit** and Singh, U. K.

Particulate Suspension Flow Induced by Peristaltic Waves in a Non-Uniform Channel,
International Journal of Applied Engineering Research 4 No.11 (India), 2291-2306, 2009.

4. **Medhavi, Amit** and Singh, U.K.

Peristaltic Pumping of A particulate Suspension Under Long Wave Length Approximation,
International Journal of Dynamics of Fluids 5 No.2 (India),179-198, 2009.

5. **Medhavi, Amit** and Singh, U.K.

Peristaltic Pumping of a Two-layered Particulate Suspension in a Circular Cylindrical Tube.International Journal of Theoretical and Applied Mechanics 4 No.3,(India), 265-278, 2009.

6. Amit Medhavi

Peristaltic Pumping of a Particulate Suspension in a Catheterized Tube. E-Journal of Science and Technology 5 (Greece), 77-93, 2010.

7. Medhavi, Amit, Singh, U.K. and Yadav, A. S.

Peristaltic Induced Flow of a Particulate Suspension in a Non-uniform Tube. E-Journal of Science and Technology 6 (Greece), 77-92, 2011.

8. Amit Medhavi and U. K. Singh

Peristaltic Induced Flow of a Particle-Fluid Suspension in a Non-Uniform Geometry. Applications and Applied Mathematics 6 (USA), 2064-2077, 2011.

9. Amit Medhavi, Dharmendra Singh, A. S. Yadav and R. S. Gautam

Peristaltic Induced Flow of a Two-layered Suspension in a Non-uniform Channel. Applications and Applied Mathematics (USA), In press, 2011.

10. Amit Medhavi

On Macroscopic Two-phase Arterial Blood Flow through an Overlapping Stenosis. E-Journal of Science and Technology 6 (Greece), 19-31, 2011.

11. Shailesh Mishra, S. U. Siddiqui and Amit Medhavi

Blood Flow through a Composite Stenosis in an Artery with Permeable Wall. Applications and Applied Mathematics 6 (USA), 1798-1813, 2011.

12. V. P. Srivastava, Rochana Vishnoi, Dharmendra Singh, Amit Medhavi and Shailesh Misra

Response to Blood Flow through an Overlapping Stenosis in a Catheterized arteries. E-Journal of Science and Technology 6 (Greece), 93-103, 2011.

13. Medhavi, Amit and Singh, U.K.

Peristaltic Transport of a Two-Layered fluid in a Catheterized Tube. Acta Mechinca Sinica (China), Submitted, 2011.

14. Amit Medhavi

Suspension Two-layered Flow Induced by Peristaltic Waves in a Catheterized Tube. Advances in Applied Mathematics and Mechanics (Singapore), Submitted, 2011.

15. Shailesh Mishra, S. U. Siddiqui and Amit Medhavi

Particulate Suspension Blood Flow through an Overlapping Stenosis in an Artery with Permeable Wall. Applied Mathematics and Computation (USA), Submitted, 2011.

Work Experiences (Total Experience (Industry +Teaching) – Ten years)

1. Asstt. Prof. in the Department of Mechanical Engineering at Kamla Nehru Institute of Technology, Sultanpur, India from 11th Aug. 2009 till date.
2. Reader in the Department Of Mechanical Engineering at SMS Institute Of Technology, Lucknow, India From 25th of July 2008 to 10 Aug. 2009.
3. Asst. Professor in the Department of Mechanical Engineering at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India from the Sept. 2007 to July 2008.
4. Lecturer in the Department of Mechanical Engineering at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India from Sept. 2002 to Aug. 2007.
5. Design Engineer at Sun Beam Hi – Tech. Medicare, New Delhi from the 6th of Dec. 2001 to 23rd of Aug. 2002.

Member of Editorial Board of Journals

1. Applications and Applied Mathematics, U.S.A.

Reviewer of Journals

1. Computer and Mathematics with Applications, U.S.A.
2. Applications and Applied Mathematics, U.S.A.

Academic Achievements & Others

1. Best Faculty award for the academic session 2006-07 at SRMCEM, Lucknow.
2. Best Faculty award for the academic session 2005-06 at SRMCEM, Lucknow.
3. Best faculty Coordinator of Technical Cell for the session 2004-05 at SRMCEM, Lucknow.

Courses Taught At U.G. Level

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|---------------------------------|-------------------------------|
| 1. Computer Aided Manufacturing | 2. Fluid Mechanics |
| 4. Manufacturing Science – I | 4. Manufacturing Science – II |
| 5. Engg. Graphics | 6. Machine Drawing |
| 7. Fluid Machinery | 8. Mechanical Engg. |
| 9. Workshop practice | 10. Advanced Fluid Mechanics |
| 11. Computer Aided Design | 12. Manufacturing Process |

Courses Taught At P.G. Level

1. Finite Elements Method
2. Simulation Modelling & Analysis
3. Design of Production Systems
4. Planning and Design of Facilities

Labs Handled

Computer Aided Manufacturing, Computer Aided Design Lab, Fluid Mechanics, Fluid Machinery, Manufacturing Science–I, Manufacturing Science–II, Engg. Graphics, Machine Drawing, Measurement and Metrology & Workshop practice.

Additional Qualifications

1. **CNC Milling Training Course using MTAB & Denford Equipment** at MTAB–DENFORD TECHNOLOGY CENTER Chennai, India.
2. **Advance Certificate Course in INTEGRATED CAD/CAM** at Central Tool Room and Training Center (An Indo-Danish Project), Bhubaneswar, India.
3. **Course in AUTO CAD** at Central Tool Room and Training Center (An Indo-Danish Project), Bhubaneswar, India.
4. **Course on TQM & ISO-9000** at Central Tool Room and Training Center (An Indo-Danish Project), Bhubaneswar, India.

Seminars

1. Attended a two day National Conference on “Emerging trends in Mechanical Engg. (ETME-2009)” at M. M. M. Engg. College, Gorakhpur (U. P.) on 12 & 13 Oct. -2009.
2. Member of organizing committee of “**Employability of Management & Techno Youth in the Corporate & IT World**” held at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India on the 28th and 29th of Oct. 2007.
3. Participated in the AICTE- Staff development program on “**Design for X (DFX)**” organized by the Dept. of Mech. Engg., Allahabad from June 11-22, 2007.

4. Member of organizing committee of **“National Seminar on India’s Role in Global I.T. Sector”** held at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India on the 28th and 29th of Oct. 2006.

Computer Skills

1. CNC Milling & Turning
2. Master CAM 2D & 3D Drawing & Machining
3. PRO – E 3D Part Modelling
4. PRO Assembly & PRO Sheet Metal
5. I – DEAS Surfacing & Assembly
6. I-DEAS Drafting & Manufacturing
7. Auto CAD
8. Project with DNC

Administrative Responsibilities

- Officer In charge – Legal Affairs, K.N.I.T., Sultanpur, India from July 2011 till date.
- Asstt. Information Officer, K.N.I.T., Sultanpur, India from July 2011 till date.
- Officer In charge – Central Computing Facility, K.N.I.T., Sultanpur, India from July 2010 to June 2011.
- Chief Administrative Warden of hostels at SMS Inst. of Tech., Lucknow, India from July 2008 to August 2009.
- Member of Proctorial Board at SMS Inst. of Tech., Lucknow, India from July 2008 to August 2009.
- Chief Warden of hostels at Shri Ramswaroop Memorial College of Engg. & Mgmt., Lucknow, India from July 2007 to August 2008.

Other Involvements

- Member of Time Table Committee at SMS Inst. of Tech., Lucknow, India from July 2008 to August 2009.
- Head of committee organizing cultural and sports events at SMS Inst. of Tech., Lucknow, India from July 2008 to August 2009.

- Departmental Faculty coordinator for Training and Placement.
- Executive Member of “**Technotatva-The Technical Club**” in Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India since 2003 to 2008.
- Member of college disciplinary committee from 2003-07 in Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India.
- Member of Anti Ragging committee from 2003-07 in Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India.

Personal Details

Name	Amit Medhavi
Father’s Name	Dr. Vijay Pratap
Date of Birth	16 th Aug.1982
Present Position	Assistant Professor (Mechanical Engg.)
Marital Status	Married
Nationality	Indian

Date: _____

Place: _____

Amit Medhavi
 Asstt. Prof., Deptt. Mech. Engg.
 Kamla Nehru Institute, Sultanpur-228118
 (Uttar Pradesh)India.