

Biosketch

Faculty Name: Dr. RAMESH YADAV



Areas of Interest:

Fluid Dynamics, Numerical Methods, Statistics and Statistical Techniques

Education

- Ph.D. in Mathematics, Dr. A.P.J. Abdul Kalam Technical University, Lucknow
- M.Sc, Mathematics, VBS Purvanchal University Jaunpur
- B.Sc. Physics, Chemistry, Mathematics, VBS Purvanchal University Jaunpur

Academic/Industrial Experience

1. Assistant Professor, Mathematics, BBDITM Lucknow, 27th July 2011 to till date
2. Lecturer, Mathematics, Dr. M.C. Saxena College of Engineering and Technology, Lucknow, 10 April to 23rd July 2011.
3. Lecturer, Mathematics, Prasad Institute of Technology Jaunpur, 10th August 2005 to 07th August 2009.

Selected Publications

1. Santosh Kumar Dixit, **Ramesh Yadav**, Navneet Kumar Singh
'A Study of Effect of Deterioration of the inventory model' Asian Journal of Mathematics and Computer Research (AJOMCAR), Peer Review, 2021, Vol. 28, Issue 4, ISSN: 2395-4205(P); ISSN: 2395-4213(O), pp. 34 – 50.
2. Vivek Joseph & **Ramesh Yadav**
'Impact of Pollutants in the Patchy Atmosphere Due to Mesoscale Wind under Multiple Point Sources' International Journal of Ecological Economics and Statistics (IJEES), (SCI-Mago and Scopus Journal) 2021, Vol. 42, Issue 2, ISSN: 0973 – 1385 (Print), ISSN: 0973 – 7537 (online), pp. 84 – 98.
3. **Ramesh Yadav**, Manju Agarwal, Vivek Joseph and Parul Saxena
'Investigation of Torsional Oscillations and Heat Transfer of a Second Grade Fluid Bounded by a Porous Medium in the Presence of a Heated Disk' PENSEE International Journal, (UGC Care and Scopus Active Journal) Vol. 50, Issue 12, December 2020, ISSN: 0031-4773, IP 6.0, pp. 1527 – 1578.
4. Santosh Kumar Dixit, **Ramesh Yadav** & Avinash Sharma
'Numerical Investigation of Magneto-Hydrodynamic Flow of Non-Newtonian Fluid with a Sharp Porous Wedge in Presence of Thermal Boundary Layer' *Advances in Mathematics: Scientific Journal (ADV MATH SCI JOURNAL)*, Vol. 9, No. 7, (2020), (Scopus Journal), Spec. issue on RDESTM-2020, ISSN: 1857 – 8365 (Printed), 1857 –

8438 (Electronic), pp. 4449 – 4469. DOI: <https://doi.org/10.37418/amsj.9.7.15>
special issue on RDESTM-2020.

5. Ravindra Pratap Pandey, Pravin Kumar Srivastava, **Ramesh Yadav** & Nidhi Pandya
‘Numerical Analysis of Variable Fluid Viscosity Past a Symmetrical Sharp Wedge Shape in the Presence of a Transverse Magnetic Field’ *International Journal of Advanced Science and Technology (IJAST)*, Vol. 29, No. 5, 2020, (*Scopus Journal, Elsevier*), ISSN No. 2005-4238 (print), ISSN: 2207-6360, (online). pp. 11533 – 11542. DOI: serc.org/journals/index.php/IJAST/article/view/25347/13542
6. **Ramesh Yadav** & Navneet Kumar Singh
‘Investigation of Laminar Flow of the Viscous Fluids in a Channel with a Porous Bounding wall’ *Pramana Research Journal (PRJ)*, Vol. 9, Issue 6, 2019, (*UGC Approved, Sl. No. 41241*), ISSN 2249-2976, *IP 6.2*, pp. 1248 – 1266
7. Nidhi Pandya, Praveen Kumar Srivastava, **Ramesh Yadav** & R. P. Pandey
‘Magneto-Hydrodynamic Flow of a Viscous Fluid in a Channel with a Porous Boundary wall of Different Permeabilities’ *International Journal of mathematical Engineering and Management Science (IJMEMS)*, Vol. 4, No. 3, 2019, (*Scopus Journal*), ISSN No. 2455 – 7749, pp. 708 – 728. DOI: <https://dx.doi.org/10.33889/IJMEMS.2019.4.3.056>
8. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena
‘Numerical Investigation of Non-Newtonian Fluid Past over a Porous Wedge in the Presence of Thermal Boundary Layer’ *International Journal of Research and Analytical Reviews (IJRAR)*, Vol.5, Issue 4, December 2018, IJRAR1944674, (*UGC Approved*), E-ISSN: 2348-1269, P-ISSN: 2349-5138, *IP 5.75*, pp. 61 – 70.
9. **Ramesh Yadav**, Santosh Kumar Dixit, & Navneet Kumar Singh
“Numerical Analysis of Magneto-Hydrodynamic Flow of Non-Newtonian Fluid Past Over a Sharp Wedge in Presence of Thermal Boundary Layer.” *International Journal of Mathematics Trends and Technology (IJMTT)*, Vol. 55, Number 6, March 2018, (*UGC Approved*), ISSN: 2231-5373(e), ISSN: 2349-5758(p), *IP 1.65*, pp. 434–444. DOI: [10.14445/22315373/IJMTT-VSSP554](https://doi.org/10.14445/22315373/IJMTT-VSSP554)
10. Santosh Kumar Dixit, **Ramesh Yadav** & Navneet Kumar Singh
“Numerical Investigation of Magneto-Hydrodynamic Flow with Variable Fluid Viscosity and Heat Transfer in Presence of Symmetrical Porous wedge.” *International Journal of Advanced in Management, Technology and Engineering Sciences*, Vol. 8, Issue III, March 2018, ISSN: 2249 – 7455, *IP 2.5*, DOI: <http://ijamtes.org/> pp. 907–923.
11. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena.
“Numerical investigation of heat transfer of non-Newtonian fluid with variable viscosity along symmetrical porous wedge.” *International Journal of Creative Research Thoughts (IJCRT)*, Publication ID: IJCRT1801087, Vol. 6, Issue 1, January 2018, ISSN: 2320-2882, *IF 7.97*, pp. 643 – 657.
12. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena.
“Numerical investigation of a channel flow with third grade fluid in the presence of magnetic field” *Global Journal of Pure and Applied Mathematics*, Vol. 13, Number 11, 2017, (*SCI mago, Springer*), H-Index 12, ISSN: 0973-1768, *IF 0.199*, pp. 8025 – 8038. DOI: <http://www.ripublication.com>,

13. Navneet Kumar Singh & **Ramesh Yadav**.
 “Investigation of heat transfer of non-Newtonian fluid in the presence of a porous wall”
International Journal of Engineering Technologies and Management Research (IJETMR), Vol. 4, Issue 12, December 2017, ISSN: 2454-1907, pp. 74 – 92. DOI: <https://doi.org/10.29121/ijetmr.v4.i12.2017.137>, DOI: 10.5281/zenodo.140081.
14. **Ramesh Yadav** & Vivek Joseph.
 “Numerical investigation of heat transfer along symmetrical porous wedge and effects of radiation in the presence of variable fluid viscosity on flow.” *Applied Research Journal*, Vol. 3, Issue 10, October 2017, ISSN: 2423-4796, pp. 295 – 304. DOI: <http://arjournal.org>,
15. **Ramesh Yadav** & Navneet Kumar Singh.
 “Analytical Investigation of Thermal Radiation Effects of Laminar Flow of Fluid and Heat Transfer in a Channel with Two Porous Bounding Walls” *Applied Research Journal*, Vol. 3, Issue, 7, July 2017, ISSN: 2423-4796, pp. 216 – 230. DOI: <http://arjournal.org>,
16. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena.
 “Application of Optimal homotopy asymptotic method for solving non-linear boundary layer problem” *Asian Journal of Mathematics and Computer Research (AJOMCOR)*, Vol. 18 (4), ISSN: 2395 – 4205 (P), ISSN: 2395 – 4213 (O), 2017, (UGC Approved), pp. 189 – 202.
17. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena.
 “Solution of Magneto-Hydrodynamic flow of fluid and heat transfer problem via optimal homotopy asymptotic method.” *IRACST – Engineering Science and Technology: An International Journal (ESTIJ)*, Vol.7, No.3, May-June 2017, ISSN: 2250-3498, **IF 3.219**, pp. 60 – 74.
18. Manju Agarwal, Vivek Joseph, **Ramesh Yadav** & Parul Saxena.
 “Investigation of Magneto-Hydro dynamics flow in a channel with a porous bounding wall” *Special Topic & Review in porous media, An international Journal*, Vol. 7 (3), November, 2016, (SCI Journal), ISSN: 2151-4798, **h-index 14, IF 0.759**, pp. 281 – 291.

Other Details:

A. NPTEL / SWAYAM ONLINE COURSE

1. I have completed NPTEL online course in NATE of paper Name is “**NBA Accreditation and Teaching-Learning in Engineering (NATE)**” in January to April 2021, Funded by MHRD, Govt. of India. It is 12 week course, Course Roll No. is **NPTEL21GE08513922128**, Assignment Marks is **18.756 Marks out of 25 Marks** and External Marks is **41.5 Marks out of 75 Marks**, Total Percentage is 60%, **First Division**.
2. I have completed NPTEL online course in Mathematics name of paper is “**MATHEMATICAL METHODS AND ITS APPLICATIONS**” in January to April Session 2020, Funded by MHRD, Govt. of India. It is 12 week course, Course Roll No, is **NPTEL20MA14S1091939**. Total percentage is **68%**, **First Division**.

3. I have completed **NPTEL** online course in Mathematics name of paper is **“CALCULUS OF SEVERAL REAL VARIABLES”** in august to October session 2019, Funded by **MHRD**, Govt. of India. It is 8 week course, Course Roll No. is **NPTEL19MA19S61720807**, Assignment Marks is **17.46 Marks out of 25 Marks** and External Marks is **60 Marks out of 75 Marks**, Total Percentage is **77%**, **First Division**.
4. I have completed **NPTEL** online course in M. B. A. subject name of paper is **“INNOVATION, BUSINESS MODELS AND ENTREPRENEURSHIP”** in august to October session 2019, Funded by **MHRD**, Govt. of India. It is 8 week course, Course Roll No. is **NPTEL19MG55S51720386**, Assignment Marks is **14.17 Marks out of 25 Marks** and External Marks is **31.50 Marks out of 75 Marks**, Total Percentage is **46%**, **Successfully Completed**.
5. I have completed **NPTEL** online course in Mathematics name of paper is **“NUMERICAL METHODS”** in July to October session 2018, Funded by **MHRD**, Govt. of India. It is 8 week course, Course Roll No. is **NPTEL18MA11S11520030**, Assignment Marks is **22.92 Marks out of 25 Marks** and External Marks is **49.50 Marks out of 75 Marks**, Total Percentage is **72%**, **First Division**.

B. Faculty Development Programme Attended

1. I have completed Faculty Development Programme which is organized by NPTEL-AICTE and Topic Name is **“NBA Accreditation and Teaching-Learning in Engineering (NATE) ”** in January to April session 2021, Full One and Half week **FDP course**.
2. I have attended **3 days** National Level Faculty Development Programme on **“Data Analysis Using MS-Excel”** during **25 December 2020 to 27 December 2020**, Conducted by **Dr. Rohini Yadav**, Assistant Professor, Department of Statistics, Amity University, Noida, U. P. India, which is organized by Department of Mathematics in association with the internal Quality Assurance cell (IQAC), **BBDNIIT Lucknow U. P.**
3. I have attended **5 days** Faculty development Programme on **“Thermal Energy Based Micro/Nano Machining Processes”** during **02 November 2020 to 06 November 2020**, which is Organized by Department of Mechanical Engineering **Babu Banarasi Das Institute of Technology and Management, Lucknow**
4. I have attended one week Faculty Development Programme on New Education Policy (NEP) during 11/Sept./2020 to 16/Sept./2020, which is organized by Babu Banarasi Das Educational Group, Lucknow.
5. I have completed Faculty Development Programme which is organized by NPTEL-AICTE and Topic Name is ‘Innovation, Business Models and Entrepreneurship’ in **August to October session 2019**, Full one **week course**.
6. I have attended one week Faculty Development Programme (FDP) during 08/05/2010 to 13/05/2010, which is organized by Dr. M. C. Saxena College engineering and Technology, Lucknow.