



Dr. Payal Hiranwar

DESIGNATION: ASSISTANT PROFESSOR,
DEPARTMENT OF MATHEMATICS

ACADEMIC QUALIFICATION: M.Sc, M.Phil, Ph.D.
(Mathematics)

WORK EXPERIENCE: 12 YEARS

Research Contribution

Paper Published in International & National Journal

- Thermoelastic Problem of a Semi Infinite Cylinder with Internal Heat Sources, published in International Journal of Engineering and Innovative Technology (IJEIT) ,ISSN:2277-3754, Vol 3, Issue 1, July 2013.
- Thermal Deflection of a Thick Clamped Rectangular Plate published in International Journal of Engineering and Innovative Technology (IJEIT) ,ISSN:2277-3754, Vol 3, Issue 1, July 2013.
- Thermoelastic problem of an Cylinder with Internal Heat Sources , published in Journal of Statistics and Mathematics, ISSN: 0976-8807 & E-ISSN 0976-8815, Vol 3, Issue 2, pp-103-108, 2012
- “Deflection Behavior due to the response of the Caputo-Fabrizio fractional Derivative in a thermoelastic disc with heat generation” published in Indian Journal of Technical Education, Volume 46, Special Issue, September 2023. ISSN 0971-3034.
- Thermoelastic problem of an isotropic circular annular fin, published in Journal of Statistics and Mathematics, ISSN: 0976-8807 & E-ISSN 0976-8815, Vol 3, Issue 2, pp-103-108.

Paper published in International/ National Conference proceedings:

- Presented Research paper “Deflection Behaviour due to the response of the Caputo-Fabrizio fractional derivative in a thermoelastic disc with heat generation” in 2nd International Conference on Advancement in Science, Technology and Management-2023 organized by S.B.Jain Institute of Technology, Management & Research, Nagpur held on 27-28th July 2023.
- Presented Paper Entitled “Transient Thermoelastic Problems of an Isotropic Circular Annular Fin”, in International Conference on Mathematical Sciences for Advancement of Science & Technology MSAST 2011, Kolkata from 18th – 20th Dec, 2011.
- Presented Abstract in e-proceedings (Poster) titled “Unraveling the Potential of Mathematical modeling in Medicine” in One Day National Conference on “Recent Innovations in Science and Technology (RIST 2024) sponsored by KBCNMU Jalgaon and jointly organised by the Department of Chemistry, P.S.G.V.P. M’s ASC college Shahada

and Association of Chemistry teachers(ACT) ,KBCNMU,Jalgaon, Maharashtra on 22nd March 2024.

Contribution at University Level

- Appointed as paper setter for B.Sc sem –III (M-6) Winter 2023 , B.Sc sem –III (M-6) (Supplementary exam) winter-2023 of R.T.M. Nagpur University.
- Appointed as Examiner for various exams of R.T.M Nagpur University.
- Appointed as Invigilator for various exams of R.T.M Nagpur University.

Contribution at College Committee Level

- Lifetime Member of University Women’s Association, Nagpur (UWAN).
- Convenor of "Mathematica Symposium," an inter-collegiate poster and PowerPoint presentation competition organized by the Department of Mathematics.

Member of:

- Criteria-V of IQAC (2023-24).
- SQAC (2023-24).
- Kit Committee, Report Writing Committee, Fund Raising, Saplings, Purchase and Distribution Committee of National Conference on Clean Earth Green Earth (2023-24).
- Mentorship Committee.
- Aura (2023-24):
- In-charge of In-house Dance Competition.
- In-charge of Intercollegiate Dance Competition.
- Logistics, Venue Arrangements, and Discipline.
- Valedictory Function.
- Comparing Committee.
- Sponsorship and Fundraising.
- Miss LAD Team.

Other Recognitions & Accolades:

- **YOUTUBER (MATHEMATICS TEACHER):**

<https://youtube.com/@Dr.PayalHiranwar>

Faculty Development Programmes Attended

- Attended Five Days Online Short Term Training Program on “Women in Workplace: Liberalization, Globalization and Gender Equality” Organized by Department of Basic Sciences, IIIT Nagpur from 26th December to 30th December 2023.

- Attended Five Day Faculty Development Programme on “Student Centric Methodology and Interactive Teaching Strategies using Technological Tools” from 9th October to 13th October 2023 organised by L.A.D College for Women , Nagpur under the aegis of IQAC.
- Participated in “8-Days National Online Training Programme on “INDIAN KNOWLEDGE SYSTEMS” organized by Matru Seva Sangh Institute of social work, Nagpur, Rajkumar Kewalramani Kanya Mahavidhalaya, Nagpur, Green Heaven Institute of Management and research, Nagpur, Manoharrao Kamdi. Mahavidalaya, Nagpur, Rabindranath Tagore College of Arts, Science & Commerce, Nagpur, From 23rd Nov-2nd Dec 2023.
- Participated in five Day online short-term training program on “Gender Discrimination & Equality promotion at workplace” organised by Indian Institute of Information Technology, Nagpur held during 19th-23rd September 2022.
- Participated in SPECTRUM: ONE WEEK ONLINE -MULTIDISCIPLINARY SHORT TERM TRAINING PROGRAM on “Updations in teaching learning techniques and research” organised by Priyadarshini College of Engineering, Nagpur during 19-23 December 2022.
- Attended three Days STTP in “LATEX and other open source software” at Department of Mathematics, RTM Nagpur University, Nagpur, dated 29th -31st March 2010.
- Arts, Science and Commerce on 24th march 2023.
- Participated in Live Workshop on “AI & Automation in MS Excel” conducted by Skill Nation on 26th November 2023
- Attended Faculty Development Workshop on “ Road Map to sustaining Academic Excellence” organised by Datta Meghe Institute of Management Studies, Nagpur during 17th -22nd May 2010.
- Participated in MS-DEED Level-1 In-person Workshop on “Introduction to Innovative Pedagogies for Undergraduate Teachers organised by Indian Institute of Science education and research and Maharashtra state faculty development academy on 17th to 19th November 2022.

AWARDS

- Won Late Yamunabai Chopde Memorial **NATIONAL AWARD** in the **BEST TEACHER** (Female) Category on 23rd Dec 2023 by the Hands of International Cricketer Mr. Umesh Yadav.
- Received “**Best Paper Award** ” for the paper “Deflection Behaviour due to the response of the Caputo-Fabrizio fractional derivative in a thermoelastic disc with heat generation” in 2nd International Conference on Advancement in Science, Technology and Management-2023 organized by S.B.Jain Institute of Technology, Management & Research, Nagpur held on 27-28th July 2023.

- **University Topper of M.Phil. (Mathematics)**
- **Topper** of Institute of Science in M. Sc I Year and M. Sc-II Year.
- Received **Prof. G. K. Patwardhan Memorial Award** for securing highest marks in B.Sc-I year in Institute of Science.

Invited as Chief Guest/ Resource Person/Judge

- Invited as Chief Guest and Resource person at ANJUMAN School for the Farewell Program on 29th Feb 2024.
- Invited as Resource person to deliver a lecture on “Mathematics in a Play way Method” at Zilla Parishad School at Mahurjhari Village organized by NSS unit_II of L.A.D College on 27th Feb 2024.
- Invited as Resource Person for Guest Lecture on the Topic “ Integral Transforms" and Judge for Poster and Model Making Competition at “Gondwana University,Gadchiroli” for the Celebration of National Mathematics Day on 6th Feb 2024.
- Invited as Chief Guest for “GANIT- Growing Aptitude in Numerical Innovations & Training 2023”, at Bhavan’s B.P. Vidya Mandir on 29th Dec 2023.
- Invited as Chief Guest and Judge at “Diwali Milan” program organised My Little Star School on 5th November 2023
- Invited as a Judge for Intercollegiate Dance competition (Annual Social Gathering _ LITUNITE 2K24) at Laxminarayan Institute of Technological University, Nagpur on 24th February 2024.
- “Dhamaal Dandiya” Organised by RAISONI Group of Institutions on 23th October 2023.
- “Toast-Fest 2023” in RAISONI College for the annual event of Toast Master’s Club on 8th May 2023.
- Multi Talent Contest at Priyadarshini Institute of Engineering and Technology (PIET).
- Annual social gatherings of Raisonni College of Engineering, Priyadarshini College of Engineering.
- Various Garba competitions, Dance Competitions, Singing Competitions etc.
- Yearly Mega Dance Events by Mahindra & Mahindra Group etc.