

Prashant Kumar Pandey

Curriculum Vitae

PERSONAL DETAILS

Birth: 08-08-1990

Address: Vill- Salempur, Po- Gopinathpur, Distt- Basti, Pin-272130

Phone/Mobile: (+91) 9677169181, 7904742038

Mail IDs: prashant.has.pandey@gmail.com, prashant.pandey@poornima.edu.in

CAREER OBJECTIVE

Looking for an opportunity to work on research work/study in an institution that provides professional development, fosters collaboration, interesting experiences, and personal growth.

EDUCATION

PhD

2018-2024

PhD. in Applied Mathematics from **SRM IST (Kanchipuram)**.

Thesis title "**Efficient and robust construction of non-oscillatory and entropy stable scheme**"

M.Sc.

2011-2013

M.Sc. in Mathematics from **IIT Madras (Chennai)** in the year **2013**, Secured CGPA 6.67 out of 10.

B.Sc.

2007-2010

BSc (Hons.) in Mathematics from **B.H.U.(Institute of Science, Banaras Hindu University)** in the year 2010. Passed with 59%

Intermediate (12th Standard)

2006

Intermediate from Government Jubilee Intercollege Gorakhpur (U.P.) in the year 2006, Passed with 59%

High school (10th Standard)

2004

High school (10th Standard) from Ramakrishna Pandey Intercollege Basti (U.P.) in the year 2004, Passed with 64%

COMPUTER SKILLS

Operating System: Windows, Linux.

Programming Languages: Python, MATLAB, Latex, and Mathematica.

Machine learning tools: Deep Learning models, AI, Model training, and integration for scientific computing applications, Deep learning libraries.

Software: MS Office (Word, PowerPoint, Excel), Latex.

SOFT SKILL

- Good communication skills.
- Proficiency in English and Hindi reading writing.

PROFESSIONAL EXPERIENCE

Assistant Professor Amity University, Jharkhand May 28, 2025 – Present Courses Taught:

- QAM103 – Business Statistics
- STAT233 – Probability and Statistics
- MATH115 – Discrete Mathematics with Application in Computer Science (BCA)
- CSIT202 – Computer Oriented Statistical and Optimization Methods (B.Sc. IT)

Assistant Professor Poornima Group of Institutions, Jaipur September 9, 2024 – April 28, 2025 Courses Taught:

- Engineering Mathematics – I (B.Tech. CSE)
- Engineering Mathematics – II (B.Tech. CSE)

Lecturer Meerut Institute of Engineering and Technology March 2013 – February 2014

JEE (Mains) Level Trainer Sankalpa Integrated College, Mysore (Karnataka) June 2015 – February 2016

JEE (Mains) Level Trainer Nalanda Integrated School, Krishna Giri (Tamil Nadu) March 2016 – March 2017

CONFERENCE/WORKSHOP/SYMPOSIUM ATTENDED

- Attended NCM workshop on "System of Conservation Laws: Theory and Numerics" In 2019
- Attended International Conference on Mathematics and its application (ICMTA-2020)
- Attended National Conference on Mathematical Technique and Its Application (NCMTA – 2019)

RESEARCH EXPERIENCE

Work Place: SRM Institute of Science and Technology, Kattankulthur Kanchipuram (Tamil Nadu), 603203

Role: PhD (**Degree awarded**), in Applied mathematics and Numerics with scientific computing and data analysis.

Duration: Since 2017 December

Research works:

- Ritesh Kumar Dubey, Anupam Gupta, Vikas Kumar Jayswal, and Prashant Kumar Pandey, **Learning numerical viscosity using artificial neural regression network**, accepted for Communications in Computer and Information Science publication, CCIS series, Springer 2020.
- Pandey, Prashant Kumar, Farzad Ismail, and Ritesh Kumar Dubey. "**High-resolution WENO schemes using local variation-based smoothness indicator.**" *Computational and Applied Mathematics* 41.5 (2022): 208.
<https://doi.org/10.1007/s40314-022-01916-0> , SCI (Q2)-IF 2.998
- Sign stable arbitrary high order reconstructions for constructing non-oscillatory entropy stable schemes, Applied Mathematics and Computation, Volume 454,2023, 128099, <https://doi.org/10.1016/j.amc.2023.128099>, SCI(Q1) - IF 4.397
- **Prashant Kumar Pandey**, Ritesh Dubey, An efficient scaling of WENO-JS weights for accuracy preserving and higher resolution schemes Physica Scripta, Volume 98, Number 8, DOI -10.1088/1402-4896/ace85f
- Vikas Kumar Jayswal, **Prashant Kumar Pandey**, Ritesh Dubey ENO classification and regression neural networks for numerical approximation of discontinuous flow problems Soft Computing DOI-<https://doi.org/10.1007/s00500-024-09944-0>, Springer. SCI (Q2) - IF 2.92
- Anuradha Sahu, **Prashant Kumar Pandey**, Ritesh Kumar Dubey, Efficient diffusion for high order non-oscillatory entropy stable schemes, Applied Mathematics and Computation, Volume 518, 2026, 129901, ISSN 0096-3003, <https://doi.org/10.1016/j.amc.2025.129901>, SCI(Q1) - IF 4.397

Professional and research Id links

- Research gate- <https://www.researchgate.net/profile/Prashant-Pandey-25>
- Git-Hub- <https://github.com/swap60>
- Linked in- <https://www.linkedin.com/in/prashant-pandey-52b04356/>
- Orcid Id- <https://orcid.org/0000-0001-9321-6844>
- Google Scholar- <https://scholar.google.com/citations?hl=en&tzom=-330&user=r31rd1cAAAAJ>
- Web of Science Id: <https://www.webofscience.com/wos/author/record/KPB-6966-2024>
- Scopus Id: <https://www.scopus.com/authid/detail.uri?authorId=57426381400>

NATIONAL ENTRANCE EXAMS

- Qualified IIT JAM exam in 2011. Secured all India rank 120.
- Qualified Gate exam in with 2013 conducted by IIT Madras.

DECLARATION

I hereby declare that all the above-furnished details are true to the best of my knowledge and belief.

