Ankit Singh

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🖥 www.linkedin.com/in/ankit-singh-61579b187

Current Work:

Assistant Professor
(Department of Mathematics)   *TSBAS Jamkhandi, Karnataka*

Education:

PhD(Doctor of Philosophy)
(Mathematics)   *VNIT Nagpur, Maharastra*

Published Papers:

o Mahale, P. and Singh, A.: A convergence analysis of the iterated Lavrentiev Regularization under the Lipschitz condition, Numerical Functional Analysis and Optimization, (2022). (SCIE)

o Mahale, P., Singh, A. and Kumar, A.: Error estimates for the simplified itera- tively regularized Gauss–Newton method under a general source condition, J Anal, (2022). (SCOPUS)

o Mahale P, Singh A.: Iterative Lavrentiev regularization method under a heuristic rule for nonlinear ill-posed operator equations, Electronic Transactions on Numerical Analysis, (2023).(SCIE)

o Mahale, P. and Singh, A. : Convergence analysis of simplified Gauss-Newton iterative method under a heuristic rule, Proceedings- Mathematical Sciences (PMSC)(2024).(SCI)

Program	Institution/Board	%/CGPA	Year
PhD (Mathematics)	VNIT Nagpur, Maharastra	**Awarded**	2024
M.Sc (Mathematics)	VNIT Nagpur, Maharastra	**7.90/10**	2017
B.Sc (PCM)	C. S. J. M. U. Kanpur, Uttar Pradesh	**65%**	2014
Class 12th	S. C. D. Inter College Tangapur Unnao, Uttar Pradesh	**78%**	2010

Achievements:

Exam	Rank	Year
UGC-NET (Mathematics)	(All India Rank 19)	2018
GATE (Mathematics)	(All India Rank 720)	2018
IIT JAM (Mathematics)	(All India Rank 308)	2015
PGT(Mathematics)		2021
GIC(Mathematics)		2021

Key Projects:

May 2018 - May 2021
(PhD / Guide: Prof. Dr. Pallavi Mahale)   *VNIT NAGPUR*

- **Title** Newton type iterative regularization method for non-linear ill-posed operator equations.

Course Projects:

1. *Project Phase I*   **July-Nov 2016**
(MSc / Faculty: Prof. Dr. Pallavi Mahale)   *VNIT NAGPUR*

- **Title** Two step iterative method for non-linear monotone ill-posed operator equations.

2. *Project Phase II*   **Jan-May 2017**
(MSc / Faculty: Prof. Dr. Pallavi Mahale)   *VNIT NAGPUR*

- **Title** Two step iterative method for non-linear monotone ill-posed operator equations.

Technical Skills:

- Programming Language: C, C++, FORTRAN, MATLAB
- Operating System: Windows, macOS
- Tools: LaTeX, MacTeX, WordPad, Notepad, Microsoft Office

Positions of Responsibility:

- *Teaching Assistant* Mathematics – I in Engineering course, VNIT NAGPUR (Jan 2019- june 2019).
- *Teaching Assistant* Linear Algebra and Applications in Engineering course, VNIT NAGPUR (Jan 2019- june 2019).
- *Teaching Assistant* for Mathematics – II in Engineering course, VNIT NAGPUR (july 2019- Dec 2019).
- *Teaching Assistant* for Integral Transforms and Partial Differential Equations in Engineering course, VNIT NAGPUR (july 2019- Dec 2019).
- *Teaching Assistant* for Complex variables and Partial Differential equations in Engineering course, VNIT NAGPUR (Jan 2020- june 2020).
- *Teaching Assistant* for Numerical Methods and Computation in Engineering course, VNIT NAGPUR (Jan 2022- june 2022).

Workshops:

- Participated in the workshop on, *LINEAR ALGEBRA AND MULTIVARIATE CALCULUS FOR SCIENCE ENGINEERING TEACHERS* Sponsored by TEQIP III Organized by Department of Mathematics Visvesvaraya National Institute of Technology, Nagpur-440010.
- Participated in the workshop on, *INDIAN WOMEN AND MATHEMATICS REGIONAL WORKSHOP ON RESEARCH AN OPPORTUNITIES,2022* Organized by Department of Mathematics Visvesvaraya National Institute of Technology, Nagpur-440010 in Collaboration with Department of Mathematics, Nit, Agartala-799046.

Awards:

- Secured *Gold medal* in the event of Tug of War in VIHANG, Annual Sports-Cult Meet'17 held in VNIT NAGPUR.
- Secured *Silver medal* in the event of Javelin throw in VIHANG, Annual Sports-Cult Meet'19 held in VNIT NAGPUR.
- Secured

Silver medal in the event of Discus throw in VIHANG, Annual Sports-Cult Meet'19 held in VNIT NAGPUR.
- Secured *Silver medal* in the event of Poetry in VIHANG, Annual Sports-Cult Meet'19 held in VNIT NAGPUR.

Work Experience

- I have two year work experience of IIT JEE (mains level) in Nagpur, one year NDA and two year 12th (CBSE, ICSE) coaching classes. I have three years work experience in VNIT Nagpur as a teaching assistant for Btech students during my PhD. I am currently employed as an Assistant Professor at TSBAS in Jamkhandi, Karnataka.

Others

- Hobbies: Learning languages, Badminton, Chess, Poetry - Languages: Hindi, English.

Declaration

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

Place: Nagpur (India)   (Ankit Singh)
Date: 26 february, 2024

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