

Name: SHALABH

Date of Birth: 24 July, 1969

Permanent Position: Professor, Department of Mathematics & Statistics, Indian Institute of Technology Kanpur, Kanpur - 208 016

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Educational Qualifications:

- Post-docs in Statistics from Ludwig Maximilians University (2006-07, Munich, Germany, under Humboldt fellowship) and from University of Pittsburgh (2001-02, Pittsburgh, USA, under BOYSCAST fellowship).
- PhD (1996, in Mathematical Statistics), MSc (1992, in Mathematical Statistics), BSc (1990, Statistics, Mathematics, Physics) University of Lucknow, Lucknow. Throughout first-class career.

Work Experience:

- Professor (June 2014 – continuing, HAG Scale), Associate Professor (2009-14) and Assistant Professor (2003-09), in the Department of Mathematics & Statistics, IIT Kanpur.
- Lecturer and Senior Lecturer at Panjab University, Chandigarh (1998 – 2003) and University of Jammu, Jammu (1995 -1998).

Selected Administrative Responsibilities:

- Dean of Academic Affairs, IIT Kanpur (3 years, 2022-24), Brought COVID-19-affected semesters to normalcy, implemented new UG and PG course curricula, and initiated several academic initiatives and reforms. Helped neighbouring institutions in the implement of NEP2020.
- Member, Board of Governors, IIT Kanpur (2 years, 2020-21).
- Organizing Chairman of JEE (Advanced), 2017-18. Successfully converted the offline pen-paper-based exam to a Computer-based examination mode. The entire exam was conducted error-free on a single day in the whole country for the first time.
- Vice Chairman of JEE (Advanced) 2016.
- Member of the committee of National Testing Agency (NTA) for normalization of the marks of JEE (Mains) in 2018-19. Helped in the establishment of NTA in 2018-19.
- Member of the Uttar Pradesh Joint Entrance Examination Council (2021-24). Helped convert the state-level Polytechnic Entrance Examination from an offline pen-paper-based exam to a Computer-based examination.
- Helped EdCIL (India) Limited, GoI, in the Implementation of Online Testing and Assessment Services (2022-23 and 2023-24).
- First Associate Dean of Hall Affairs at IIT Kanpur (2014-2016) and held several important positions of responsibility at IIT Kanpur since 2003.
- Members/Chairman of various committees for facilitating different objectives in the Ministry of Agriculture & Farmers Welfare (2024), Ministry of Statistics & Programme Implementation (2024), DST (2024), Ministry of Education (2023), University Grants Commission (2022, 2023), DARPG(2021, 2023), Indian Police Foundation (2021), IGNOU (2021), U.P. State Government (2021), Ministry of information and Broadcasting (MIB, 2020), SEBI (2020), Ministry of Health & Family Welfare (2020), U.P. Service Selection Commission (2019) etc.
- Involved in facilitating academic activities of NIT Prayagraj, IIIT Gwalior, IIIT Prayagraj, MMM University of Technology (Gorakhpur), CSJM University (Kanpur), MS University (Baroda), BHU (Varanasi), etc.

Awards and Fellowships: Prof. K. Srinivasa Rao ISPS Best Researcher Award (Indian Society for Probability and Statistics, 2023), National Award for e-Governance (2022, DARPG, Gol), Distinguished Statistician Award (2022, Indian Society for Probability and Statistics), Chair Professorships (2017-20, 2022-25, IIT Kanpur), Vigyan Ratna Samman (2018, Council of Science & Technology, Govt. of Uttar Pradesh), IISA Young Researcher Award (2014, International Indian Statistical Association, USA), National Award for Young Statisticians – Professor C.R. Rao Award (2011, Ministry of Statistics and Programme Implementation, Gol), Mahalanobis Memorial Gold Medal – National Award (2011, Indian Econometric Society), Humboldt Fellowship (2006, Alexander von Humboldt Foundation, Germany), BOYSCAST fellowship (2001, DST, Gol), ISCA Young Scientists' Award (1999, Indian Science Congress Association), Jan Tinbergen Award- Young Statistician Award (1995, International Statistical Institute, The Netherlands), Junior & Senior Research Fellowship (1993-95, CSIR), etc.

Research Publications and Academic Activities:

- **Research Papers:** Published more than 100 research papers in international and national journals.
- **Books:** Published 4 books from International publishers (Springer, 2022, 2016, 2009, 2008). One book has been downloaded more 5.5 million times since 2016.
- **Academic visits:** 30 academic visits and assignments in India, Germany, Taiwan, USA etc.
- **Projects:** Completed/working 13 consultancy and academic projects.
- **Projects in Practice:** Projects based on Artificial Intelligence, Statistics, and Data Science have been implemented and are working in DARPG, Ministry of Defence and other ministries in Gol.
- **COVID Forecast:** Correctly forecasted the 3rd and 4th COVID-19 waves in India.
- **Editorial and Academic Review:** Series Editor and Editor-in-Chief of "University Texts in Mathematical Sciences", from Springer Nature (2023-continuing), Associate Editor of Journal of Multivariate Analysis (2002-2018, Elsevier), Journal of Quantitative Economics (2022-continuing, Springer), reviewed research papers, grant proposals, project proposals, and book proposals from national and international journals and publishers.
- **Online Course Development:** Developed 10 online video courses for SWAYAM MOOCs, 4 online video courses for SWAYAM Prabha, 5 web-based courses for NPTEL, and 4 courses for the National Digital Library of India.
- **Training Programmes and workshops:** Organized 34 training programmes and workshops for academic institutions and ministries of Gol.
- **Invited Talks, Seminars, Webinars and Conferences:** Presented 74 talks, seminars and webinars in Indian and foreign institutions. Attended and presented research papers at 60 conferences
- **Invited Lectures in the Workshops, Faculty Development Programs:** Gave 34 invited Lectures in the workshops, faculty development programs, refresher courses and panel discussions.
- **PhD & Project Supervision:** Involved in supervising PhD and projects of students.
- **Professional Affiliations:** Members of various national and international academic bodies and societies.