

Curriculum Vitae

Satish Kumar

*Associate Professor, Department of Mathematics,
Indira Gandhi University,
Meerapur, Rewari, Haryana-122502, India.*

Website: <http://www.igu.ac.in/>



Contact Details

Phone : (Office) +91 9813083689
(Residence) +91 9813083689
E-mail : (Primary) satish.math@igu.ac.in
(Secondary) skkhurana11@gmail.com
Address : (Present) House No. 410, Sector 3, Rewari.
(Permanent) House No. 410, Sector 3, Rewari.

Education

10th : **First Division** with 79% marks (Board of School Education, Haryana)
Jain High School, Rohtak, Haryana.
B.Sc.(Hons.) : **First Class First Position** with 83.68% marks
University College, Rohtak, Haryana.
M.Sc. : **First Class First Position** with 88.3% marks
M.D. University, Rohtak, Haryana.
M.Phil. : **First Division** with 86.3% marks
M.D. University, Rohtak, Haryana.
NET : Qualified Joint CSIR-UGC NET in **Mathematics** held in March 1988.

Awards/Recognitions

- Secured **First Class First Position** in University in B.Sc.(Hons.)(Maths) examination held in April 1986 and awarded a **Medal** in taken thereof.
- Secured **First Class First Position** in University in M.Sc.(Maths) examination held in May 1988 and awarded a **Medal** in taken thereof.

Career Profile :

- Jan 01, 2006 - Present** : Associate Professor, Department of Mathematics,
MDU PG Regional Centre Rewari,
Now (From 07.09.2013 onwards) Indira Gandhi University, Meerpur.
- July 24, 2001 - Dec 31, 2005** : Lecturer in Selection Grade, Department of Mathematics,
MDU PG Regional Centre Rewari.
- July 24, 1998 - July 23, 2001** : Lecturer in Senior Scale, Department of Mathematics,
MDU PG Regional Centre Rewari.
- July 24, 1991 - July 23, 1998** : Lecturer, Department of Mathematics,
MDU PG Regional Centre Rewari.

Courses Taught

Teaching being my passion, I enjoy teaching different courses. Some of the courses that I have taught to PG students, and prefer to teach are **Real Analysis, Mathematical Analysis, General Topology, Advanced Topology, Functional Analysis, Advanced Functional Analysis, Mathematical Statistics, Partial Differential Equations, Classical Mechanics, Partial Differential Equations & Mechanics, and Topological Vector Spaces.**

Student Resources

- Developed the following Website as a resource place for the students.
<https://sites.google.com/site/satishkhuranaigu/>
- Preparation of electronic study material is in progress.

Details of Orientation Programmes/Refresher Courses attended :

- Attended four week Orientation Programme from 02.06.97 to 28.06.97 organised by Academic Staff College, H.P.University, Shimla under the Academic Staff Orientation Scheme of UGC.
- Attended three week Refresher Course in Mathematics from 18.05.98 to 06.06.98 organised by Academic Staff College, University of Rajasthan, Jaipur under the Academic Staff Orientation Scheme of UGC.

- Attended three week Refresher Course in Computer Awareness from 05.07.99 to 24.07.99 organised by Academic Staff College, H.P.University, Shimla under the Academic Staff Orientation Scheme of UGC.
- Attended three week Refresher Course in Mathematics from 10.06.02 to 29.06.02 organised by Academic Staff College, H.P.University, Shimla under the Academic Staff Orientation Scheme of UGC.

Administrative assignments:

Sept 29, 2020 - Sept 28, 2022	: Member, P.G. Board of Studies & Research in Mathematics
August 02, 2020 - August 01, 2022	: Member, Executive Council
June 02, 2020 - June 01, 2022	: Member, U.G. Board of Studies in Mathematics
March 05, 2020 - March 04, 2022	: Member, Academic Council
Jan 31, 2020 - till date	: Drawing and Disbursing Officer
March 11, 2019 - July 16, 2020	: Chairperson, Department of Management
March 07, 2019 - till date	: Dean of Colleges
July 29, 2018 - July 28, 2020	: Member, P.G. Board of Studies & Research in Mathematics
November 26, 2018 - June 03, 2020	: Dean, Faculty of Social Sciences
June 01, 2017 - Nov 25, 2018	: Dean, Faculty of Life Sciences
June 01, 2017 - May 30, 2019	: Chairperson, Department of Botany
June 01, 2017 - June 02, 2019	: Chairperson, Department of Zoology
May 03, 2017 - till date	: First Appellate Authority
May 17, 2016 - May 16, 2018	: Member, P.G. Board of Studies & Research in Mathematics
Jan 23, 2016 - Jan 22, 2018	: Member, Executive Council
Jan 23, 2016 - Jan 22, 2018	: Member, University Court
Jan 23, 2016 - Jan 22, 2018	: Member, Academic Council
June 15, 2015 - March 14, 2019	: Drawing and Disbursing Officer
March 17, 2015 - May 31, 2017	: Chairperson, Department of Economics
Oct 10, 2014 - Aug 16, 2017	: Chairperson, Department of Physical Education
Feb 06, 2014 - Feb 05, 2016	: Member, P.G. Board of Studies & Research in Mathematics
Jan 23, 2014 - Jan 22, 2016	: Member, University Court
Jan 23, 2014 - Jan 22, 2016	: Member, Academic Council
Nov 11, 2009 - Nov 10, 2010	: Member, Faculty of Physical Sciences, MDU Rohtak

March 26, 2009 - March 25, 2011 : Member, P.G. Board of Studies in Mathematics, MDU Rohtak.
June 28, 2008 - June 27, 2010 : Member, Academic Council , MDU Rohtak
June 29, 2007 - June 28, 2009 : Member, U.G. Board of Studies in Mathematics, MDU Rohtak.
Oct 18, 2004 - Oct 17, 2006 : Member, P.G. Board of Studies in Mathematics, MDU Rohtak.
July 18, 1997 - July 17, 1998 : Member, Faculty of Physical Sciences, MDU Rohtak
Feb 16, 1988 - Feb 15, 1989 : Member, University Court, MDU Rohtak

Conferences/ Workshops Organized/Attended

1. Attended **56th Annual Conference of The Indian Mathematical Society** held at the South Gujarat University, Surat from Dec 27-30, 1990.
2. Attended one day **National Conference on the Contribution of Mathematics in Technological Development**, organized by Department of Applied Sciences and Humanities, held on May 4, 2006 at Institute of Technology and Management, Gurgaon.
3. Attended three days **National Conference on History of Mathematics and Recent Developments**, held at Department of Mathematics, Maharshi Dayanand University, Rohtak, from Dec 20-22, 2006.
4. Attended two days **National Seminar in Mathematics** organized by Government P.G. College, Narnaul, Haryana held on Feb 13-14, 2010.
5. Attended **National Seminar on Latest Mathematical Tools and their Application in Engineering and Technology**, organized by Department of Applied Sciences and Humanities, G.I.T.M., Bilaspur held on March 12-13, 2010.
6. Attended two days **National Workshop on “Writing a Research Paper: Essential Prerequisites”** held during April 17-18, 2010 at J. R. Memorial College of Education, Jhajjar Road, Rewari.
7. Attended two days **National Conference on Emerging Dimensions of Mathematical Sciences** organized by Institute of Engineering and Technology, Alwar held on May 01-02, 2010 and presented a paper entitled **“An order level inventory model with time dependent deterioration and exponentially time varying declining demand”**.

8. Attended **National Conference on Modeling, Computational Fluid Dynamics and Operations Research**, organized by Department of Mathematics, BITS Pilani from Feb 4-5, 2012.
9. Attended **International Conference on History and Development of Mathematical Sciences** held at Department of Mathematics, Maharshi Dayanand University, Rohtak from Nov 21-24, 2012.
10. Attended two days **International Conference on Technological Innovations through Modern Engineering Sciences (TIMES-2013)**, organized by Department of Applied Science, Institute of Engineering and Technology, Alwar from Feb 23-24, 2013.
11. Attended three days **International Conference on Recent Advances in Statistics and their Applications**, organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra from Dec 26-28, 2013.
12. Attended two days **National Conference on Recent Trends and Developments in Operations Research**, organized by Department of Mathematics, BITS Pilani from Feb 22-23, 2014 and presented a paper entitled “**An EOQ model for deteriorating items with Ramp type demand rate, Weibull deterioration rate and Shortages**”.
13. Attended one week **National Workshop on Research Methodology and Computer Applications**, organized by Department of Commerce, Indira Gandhi University, Meerpur, Rewari, from April 22-28, 2014.
14. Attended two days **National Seminar on Indian Nationalism and its Roots**, organized by Department of History, Indira Gandhi University, Meerpur, Rewari, from Nov 13-14, 2014.
15. Attended **National Workshop on L^AT_EX and MATLAB for Beginners (NWLMB-2014)**, organized by Department of Mathematics, Birla Institute of Technology & Science, Pilani, partially supported by DST, Rajasthan from December 24-28, 2014.
16. Attended **17th International Conference of International Academy of Physical Sciences on Emerging Trends in Physical Sciences and Technology**, organized by Department of Mathematics, Rajasthan University, Jaipur from Jan 16-18, 2015.

17. Chaired a session in **National Seminar on “Indian Constitution: the Precursor of Modern India”** organized by Department of Law , IGU Meerpur, Rewari held on 20th and 21st March 2015 .
18. Attended two days Workshop on **Choice Based Credit System**, organized by Indira Gandhi University, Meerpur, Rewari, from March 11-12, 2016.
19. Attended two days UGC Sponsored **National Conference on Global Challenge - Role of Science and Technology in Imparting their Solutions**, organized by The Technological Institute of Textile and Sciences, Bhiwani from April 23-24, 2016 and presented a paper entitled **“Inventory models for deteriorating items with Ramp type demand rate, Weibull distributed deterioration rate, partial backlogging and time-varying holding cost”**.
20. **Convener**, one week **National workshop on MATLAB and L^AT_EX(NWML-2016)**, organized by Department of Mathematics, Indira Gandhi University, Meerpur, Rewari, from August 24-30, 2016.
21. Attended two days **National Conference on Mathematics and its Applications in Science & Technology (MAST 16)**, organized by Department of Mathematics, GJUS&T, Hisar, from November 09-10, 2016 and presented a paper entitled **“An inventory model for noninstantaneous deteriorating items with general time-dependent demand rate and partial backlogging”**.
22. Attended two days **International Conference on Innovation and Strategies in Trans-discipline to Face the Integrated Development and Environmental Challenges- ICISTIDEC-2018**, held in R. R. Govt. Autonomous College, Alwar, Rajasthan, India on 09-10 March, 2018 and presented a paper entitled **“Inventory models for deteriorating items with Ramp type demand rate, Weibull distributed deterioration rate, partial backlogging and time-varying holding cost”**.
23. Attended one day **Capacity Building Workshop on On-line Teaching-Learning for Faculty** through Digital Mode on May 08, 2020 organized by Indira Gandhi University, Meerpur, Rewari.

24. Attended one week **Faculty Development Programme on MOOCS and MOODLE Based Learning Management System** from June 15-22, 2020 through online mode organized by Indira Gandhi University, Meerpur, Rewari.

Research Publications

1. **M-Cohyponormal Powers of Composition Operators**
Satish K. Khurana & Babu Ram
Journal of Australian Mathematical Society (Series A) 53 (1992), 9-16.
2. **Fixed point theorems for Occasionally Weakly Compatible maps in Fuzzy Metric Spaces**
Manish Jain, Sanjay Kumar & Satish Kumar
International Journal of Computer Applications, Vol.19, No.9, pp.1-5, April 2011. (ISSN 0975-8887)
3. **A Common Fixed Point Theorem under a Contractive Condition**
Manish Jain & Satish Khurana
Aryabhatta Journal of Mathematics and Informatics, Vol.3, No.1, pp.23-28, Jan-June 2011. (ISSN 0975-7139)
4. **A Common fixed point theorem in Fuzzy Metric Spaces**
Manish Jain, Satish Khurana & Rahul Jain
Aryabhatta Journal of Mathematics and Informatics, Vol.3, No.1, pp.211-214, Jan-June 2011. (ISSN 0975-7139)
5. **An EOQ model for deteriorating items with Ramp type demand, Weibull distributed deterioration and shortages**
Anil Kumar Sharma, Naresh Kumar Aggarwal & Satish Kumar Khurana
Aryabhatta Journal of Mathematics and Informatics, Vol.7, No.2, pp.297-304, July-Dec 2015. (ISSN 0975-7139)
6. **Common fixed point theorem in Fuzzy Metric Spaces with an application in the Product Space**
Manish Jain, Satish Kumar & Manoj Kumar
Journal of Analysis & Number Theory, Vol. 4, No.2, 139-143, 2016.

7. **Some fixed point theorems for self mappings on Vector b-metric spaces**

Mamta Kamra, Satish Kumar & Kumari Sarita

**Global Journal of Pure and Applied Mathematics, Vol. 14, No.11, 1489-1507,
2018.(ISSN 0973-1768)**