

RESUME

- 1. NAME** : **Dr. NARESH KUMAR**
- 2. Father's Name** : Shri Tooki Ram
- 3. Date of Birth** : 25 January, 1984
- 4. Office Address** : Head, Department of Mathematics
V. A. Govt. Degree College, Atrauli,
Aligarh, Uttar Pradesh
E-mail: naresh1984kumar@gmail.com
- 5. Permanent Address** : Vill.- Mukera, Post- Salempur,
Distt. Bulandshahar, (U.P)-203001
- 6. Telephone / Mobile** 9536248275
- 7. Educational Qualification** : High School, U.P. Board, Allahabad in 1999

Intermediate, U.P. Board, Allahabad in 2001

B. Sc. (PCM) C.C.S. University, Meerut in 2004

M. Sc. (Mathematics) C.C.S. University, Meerut in 2006

M. Phil. (Mathematics), Dr. B.R.A University, Agra in 2008

Ph. D. (Mathematics), Dr. B.R.A University, Agra in 2025
- 8. Other Qualification** : **GATE**
NET (CSIR)
- 9. Research Field** : Fuzzy Modeling, Operation Research, Inventory Theory
- 10. Research Topic** : Analysis of Fuzzy Based Mathematical Models on

Covid-19 Outbreak
- 11. Teaching Experience** :
- (i) 11-04-2015 to 08-07-2021, Govt. (P. G.) College, Fatehabad, Agra, U P
(ii) 09-07-2021 to Till Date, V.A. Govt Degree College, Atrauli, Aligarh, U P
- (i) Under-graduate : **11 Years**
(ii) Post-graduate : **05 Years**

12. Orientation / Refresher/ FDP / Short Term Courses are attended.

- Participated in the **Orientation Programme- CXLI** from 01 September 2016 to 30 September 2016 in UGC-HRDC, Aligarh Muslim University, Aligarh.
- Participated in the One Weeks **Orientation Programme** (NSS Training) organized by St. Johans College, Agra from 02 January 2017 to 08 January 2017.
- Participated in the **Refresher Course** in the subject “**Maths, Statistics, Com. Sci. and Astronomy**” from 02 January 2019 to 23 January 2019 in UGC-HRDC, University of Lucknow, Lucknow.
- Participated in the Two Weeks **Faculty Development Programme (FDP)** on “**MANAGING ONLINE CLASSES AND CO-CREATING MOOCS:2.0**” organized by Teaching Learning Centre Ramanujan College, University of Delhi from May 18 to June 03, 2020.
- Participated in the One Weeks **Faculty Development Programme (FDP)** on “**Open Source Tools for Research**” organized by Teaching Learning Centre Ramanujan College, University of Delhi from 08 June 2020 to 14 June 2020.
- Participated in the Two Weeks **Refresher Course in Mathematics** organized by Teaching Learning Centre Ramanujan College, University of Delhi from 16 March 2021 to 30 March 2021.
- Participated in the **Refresher Course** in the subject “**Interdisciplinary Subject Refresher Course in Environmental Studies**” from 27 September 2022 to 11 October 2022 in UGC-HRDC, Aligarh Muslim University, Aligarh.
- Participated in the **Refresher Course** in the subject “**Subject Refresher Course in Environmental Studies**” from 17 September 2024 to 30 September 2024 in UGC-MMTTC, Aligarh Muslim University, Aligarh

13. Participation in Conferences / Seminar / Workshops

- Participated and presented a research paper entitled “**Mathematics as a career option in Indian higher education**” in the National Seminar on “**Recent Initiatives in Higher Education**” held on 20 and 21 February 2016, Organized by Govt. P G College, Fatehabad, Agra (UP).
- Participated and presented a research paper entitled “**Climate change and economic development strategy**” in the National Conference on “**Role of Science and Technology in Socio-Economic Development**” held on 28 and 29 February 2016, Organized by Dr. B.R.Ambedkar Govt. College, Mainpuri(UP).
- Participated and presented a research paper entitled “**Science give: changing rural environment with communication revolution**” in the National Seminar on “**Vistas of Scientific Approach for Welfare of Society**” held on 30 and 31 March 2016, Organized by K.N. Govt. P.G College, Gyanpur, Bhadohi (UP).
- Participated and presented a research paper entitled “**A Multi-component repairable system with mixed spares**” in the National Seminar (Sponsored by University Grants Commission, New Delhi) on **Recent Advances in Mathematics and its Computational Aspects** held on 11th and 12th November 2016, Organized by Department of Mathematics, Shaheed Mangal Pandey Government Girls P. G. College, Meerut, Uttar Pradesh (India).

- Participated and presented a research paper entitled **“Machine Repair problem with K-Type warm spares Multiple vacations for Repairmen”** in the National Workshop on “Applications of Mathematics in modern Era” and “Mathematics Day” Celebration held on 21 and 22 December 2016, Organized by Department of Mathematics, Dr. B.R.Ambedkar University Agra.
- Participated and presented a research paper entitled **“How to prevent poison rising in the environment”** in the National Seminar on **“Energy, Environment and its Impact on Society”** held on 19 and 20 January 2017, Organized by *K.N. Govt. P.G College, Gyanpur, Bhadohi (UP)*.
- Participated and presented a research paper entitled **“Guidelines to complete the teacher information on AISHE portal”** in the National Seminar on **“Current Initiatives in Higher Education”** held on 22 January 2017, Organized Govt. PG College, Fatehabad, Agra (UP).
- Participated and presented a research paper entitled **“Mixed Spare Provision for MRP with Additional Repairmen and Dependent Rates”** in the National Conference on **“Mathematical Analysis & Applications”** held on 18 and 19 November 2017, Organized University of Lucknow (UP).
- Participated and presented a research paper entitled **“Change the Scenario of Higher Education”** in the National Seminar on **“Quality Improvement in Higher Education: Challenges & remedies”** held on 27 January 2018, Organized Govt. Degree College Pihani, Hardoi (U.P).
- Participated and presented a research paper entitled **“Machine Repair Problem with Additional Repairmen and Mixed standbys”** in the National Conference on **“Advances in Operations Research and Mathematical Sciences”** held on 24-25 February 2018, Organized Vardhaman College, Bijnor (U.P).
- Participated and presented a research paper entitled **“Retailers optimal pricing and ordering policies for Non-Instantaneous deteriorating items with order quantity dependent trade credits and partial backlogging”** in the National Conference on **“Mathematical Sciences and development”** held on 22-24 December 2018, Organized Department of Mathematics, Dr. B.R.Ambedkar University Agra.
- Participated and presented a research paper entitled **“Digital India: Issues and Challenges”** in the National Seminar on **“Digital India: Implication in Education”** held on 12-13 February 2019, Organized Ramabai Ambedkar Govt. Degree College, Gajraula, Amroha(U.P).
- Participated and presented a research paper entitled **“Environment protective behavior and pro-environment attitude”** in the International Conference on **“Recent advances in environmental protection”** held on 1-2 November 2019, Organized St. Johns College, Agra (U.P).
- Participated and presented a research paper entitled **“Environment protective Solution to the problems of the sustainable development management”** in the National Seminar on **“Managerial & entrepreneurial interventions for Sustainable development in India”** held on 20-21 November 2019, Organized Veerangana Avantibai Govt. Degree College, Atrauli, Aligarh (U.P).
- Participated and presented a research paper entitled **“Poverty and Climate Change”** in the National Seminar on **“Environment Climate Change and Social Life”** held on 25-26 February 2021, Organized Manyavar Kanshiram Govt. Degree College Ninowa, Farrukhabad (U.P).

- Participated and presented a research paper entitled **“The Role of Technology in Education”** in the National Seminar on **“India in the path of Prosperity: National Education Policy 2020”** held on 14-15 March 2021, Organized Govt. Post Graduate College, Bilaspur, Rampur (U.P).
- Participated and presented a research paper entitled **“Role of technology in New Education”** in the National Conference on **“The Future of Indian Science and technology in the context of new Education Policy”** held on 25 March 2021, Organized Dr. B.R. Ambedkar Govt. Degree College, Mainpuri (U.P).
- Participated and presented a research paper entitled **“An Overview of Fuzzy Based Mathematical Models on Covid-19 Outbreak”** in the National Seminar on **“Optimization : Fuzzy Logic and MATLAB”** held on 25-26 March 2022, Organized Department of Mathematics, C.C.S University, Meerut (U.P).
- Participated and presented a research paper entitled **“Women Self- Reliance: Opportunities, Obstacles and Outcomes in Indian Modern Scenario”** in the National Seminar on **“Importance of Girl Child Education in Society”** held on 04-05 March 2023, Organized Sri Tika Ram Kanya Mahavidyalaya, Aligarh (U.P).
- Participated and presented a research paper entitled **“Impact of Artificial Intelligence on Ethics and Governance in Education within NEP-2020”** in the National Seminar on **“Impact of Artificial Intelligence on Education: Changing Paradigm and Approaches”** held on 16-17 March 2024, Organized Sri Tika Ram Kanya Mahavidyalaya, Aligarh (U.P).

14. Research Publications

- **Naresh Kumar (2009)** Controllable and interdependent MRP with additional repairman and mixed standbys, Journal Rajasthan Academy Physical Science, Vol. 8, No. 4, pp. 447-456. ISSN: 0972-6306.
- **Naresh Kumar (2018)** Optimal Ordering and Replenishment Policies for Deteriorating Items Having a Fixed Expiry Date with Price and Credit Period Sensitive Demand under Trade Credit, Journal of Ultra Scientist of Physical Sciences, Vol. 30(1), pp. 8-19. ISSN: 2319-8044.
- **Naresh Kumar (2018)** Machine Repair Problem with Additional Repairman and Mixed Standbys, Online International Interdisciplinary Research Journal, Vol. 08, pp. 6-11. ISSN: 2249-9598.
- **Naresh Kumar (2018)** Retailers Optimal Pricing and Ordering Policies For Non-Instantaneous Deteriorating Items with Order Quantity Dependent Trade Credits and Partial Backlogging, International Journal of Engineering, Science and Mathematics, Vol. 7, Issue 4, pp.513-528. ISSN:2320-0294.
- **Naresh Kumar (2021)** An Overview of Fuzzy Based Mathematical Models on Covid-19 Outbreak, International Journal of Research and Analytical Reviews, Vol. 8, Issue 3, pp. 814-817. E-ISSN: 2348-1269, P-ISSN: 2349-5138.
- **Naresh Kumar (2021)** RG_η -Closed Sets in Topological Spaces, International Journal of Science and Research, Vol. 10, Issue 11, pp. 1138-1142, ISSN: 2319-7064.
- **Naresh Kumar (2022)** EOQ Model for Deteriorating product with demand dependent production rate under Advance-Cash-Credit Payment scheme, International Journal of Engineering, Science and Mathematics, Vol. 11, Issue 5, pp. 1-11. ISSN: 2320-0294.

- **Naresh Kumar (2022)** Best pricing and ordering policy for deteriorating or decaying items with maximum lifespan under acceptable delays in payments, *Advances and Applications in Mathematics Sciences*, Vol. 21, Issue 7, pp. 4069-4081.
- **Naresh Kumar (2022)** EOQ Inventory Model for Non-Instantaneous Deteriorating Items with Imperfect Quality under Advance-Cash-Credit Payment Policy, *International Journal of Mathematics Trends and Technology*, Vol. 68, Issue 6, pp. 45-53. ISSN: 2231-5373.
- **Naresh Kumar (2023)** Application of Fuzzy Inference Forecasting to the Design of an Intervention Strategy for the Covid-19, *Journal of Emerging Technologies and Innovative Research (JETIR)*, Vol.10, Issue 3, pp. 50-59. ISSN: 2349-5162.
- **Naresh Kumar (2024)** Fuzzy Inference Systems For Predicting And Evaluating Diabetes Likelihood And Severity, *International Journal of Engineering, Science and Mathematics*, Vol. 13, Issue 07, pp. 56-73. ISSN: 2320-0294.
- **Naresh Kumar (2025)** A Fuzzy Logic Based Extension of SEIR Models for COVID-19 Epidemic Simulation, *International Journal of Advances in Engineering and Management*, Vol. 07, Issue 07, pp. 237-245. ISSN: 2395-5252.

(Dr. Naresh Kumar)