




University of Delhi

Faculty Detail Performa (2017-2023)

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| Name | VIRENDRA KUMAR |  Photo |
| Designation | Assistant Professor | |
| Phone No | 9873739391 | |
| Email | vmath.du@gmail.com virendra@dr.du.ac.in | |

Educational Qualification

| Degree | Institution | Year |
|-----------------------|--------------------------|----------|
| B.Sc. | S.S.V.(PG) College Hapur | 2006 |
| M.Sc. (Mathematics) | C.C.S. University Meerut | 2008 |
| M.Phil. (Mathematics) | University of Delhi | 2011 |
| Ph.D. (Mathematics) | University of Delhi | Pursuing |

Full time Teaching Experience

| s.no | Designation | Institution | Time Period | Nature of Appointment |
|------|---------------------|--------------------|---------------------------|-----------------------|
| 1 | Assistant Professor | Daulat Ram College | 11.4 Years | Ad-hoc |
| | Assistant Professor | Daulat Ram College | 14 Oct. 2022 to Till Date | Permanent |
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Administrative Assignments:

- Worked as admission Nodal officer for UG/PG during the session 2022-23.
- Worked as admission incharge of B.Sc.(Hons.) Mathematics during the session 2021-22.
- Worked as core committee member for the UG admissions during the session 2020-21.
- Worked as TPC member during the session 2021-22.
- Worked as association incharge department of Mathematics during session 2018-2020.

| Name of Institute | Designation | Status | Time period | Experience |
|--------------------|---------------------|---------------------------------------|-------------|------------|
| Daulat Ram College | Assistant Professor | Admission In-charge of B.Sc.(H) Maths | 2021-2022 | 1 year |
| | | TPC Member | 2021-2022 | 1 year |

Areas of Interest in Teaching:

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| Numerical Methods, Differential Equations, Calculus |
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Subjects Taught:

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| From 2017-2023 taught following subjects: | B.Sc.(Hons.) Maths 1. Calculus 2. Differential Equations and Mathematical Modeling 3. Partial Differential Equations 4. Number Theory 5. Numerical Methods 6. Latex & HTML | B.A. (Prog.): 1. Calculus 2. Linear Algebra 3. Geometry Theory 4. Differential Equations 5. Linear Transformation & Network 6. Numerical Analysis | GE: 1. Calculus 2. Linear Algebra 3. Differential Equations 4. Numerical Analysis 5. LPP 6. Real Analysis |
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Research Publications:**International**

| S.No | Citation | Date of Publishing | Impact Factor | UGC Care List Journal Yes/No | Scopus Indexed Journal Yes/No | ISSN No |
|------|--|--------------------|---------------|------------------------------|-------------------------------|-----------|
| 1 | Yadav, S., Kumar, M., & Kumar, V. (2021). Resonant curve of geo-synchronous satellite including effect of earth's equatorial ellipticity and resistive force using perturbations technique. New Astronomy, 86, 101573, 1384-1092 | 2021 | 1.325 | yes | yes | 1384-1076 |
| 2 | Yadav, S., Kumar, V., & Aggarwal, R. (2022). Effect of Earth's Equatorial | 2022 | 1.325 | yes | yes | 1384-1076 |

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|---|---|------|-------|-----|-----|-----------|
| | Ellipticity on the Resonant Curve and Phase Portrait of Geo-centric Satellite Under the Gravitational Effect of the Earth–Moon–Sun System by Using Unperturbed Solution. Few-Body Systems, 63(2), 41, 1432-5411 | | | | | |
| 3 | Yadav, S., Kumar, V., & Kumar, M. (2022). Analysis of resonant curves and phase portrait in the earth–moon system by using its unperturbed solution and earth’s equatorial ellipticity. New Astronomy, 92, 101716, 1384-1092 | 2022 | 1.362 | yes | yes | 1280-1074 |
| 4 | Yadav, S., Kumar, V., & Aggarwal, R. (2022). Resonant curves of geo-centric satellite under the gravitational effect of the Earth-Moon-Sun system including Earth’s equatorial ellipticity and resistive force using unperturbed solutions. Advances in Space Research, 70(11), 3340-3361 | 2022 | 2.611 | yes | yes | 0273-1177 |
| 5 | Yadav, S., Kumar, M., & Kumar, V. (2022). Analysis of Resonant Curve and Phase Portrait Due to Earth’s Equatorial Ellipticity In the Earth-Moon System | 2022 | 0.9 | yes | yes | 1573-8698 |

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|---|---|------|----|-----|-----|-----------|
| | Using Perturbation Technique. Journal of Dynamical Systems and Geometric Theories, 20(2), 275-298, 2169-0057. | | | | | |
| 6 | Yadav, S., Kumar, M. and Kumar, V., 2023. (R2033) Resonant Curve Due to Perturbations of Geo-Synchronous Satellite including Effect of Earth's Equatorial Ellipticity. Applications and Applied Mathematics: An International Journal (AAM), 18(1), p.20. | 2023 | NA | yes | yes | 1932-9466 |

Conference Attended and Paper presentation

| s.no | Type of Event | Name of Event | Venue of conference | Date of conference | Attended | paper presented | No of papers presented |
|------|---------------|---|---------------------|--------------------|----------|-----------------|------------------------|
| 1 | Int. Conf. | Int. Conf. on Physics, Society and Technology | University of Delhi | 17-19,2019 | Attended | No | None |
| 2 | FDP | Mathematica: A Tool for Computational Analysis | Hansraj College | 10-11, March,2018 | Attended | ---- | ----- |
| 3 | Workshop | SCIENTIFIC WRITING AND COMMUNICATION | ARSD College | 20-21 feb. 2017 | Attended | ---- | ----- |
| 4 | Workshop | National Workshop on Optimization Techniques & Their Applications | MNIT Allahabad | 5-11 June, 2013 | Attended | ---- | ----- |
| 5 | Workshop | Building Mathematical Ability | University of Delhi | 24-26 June, 2013. | Attended | ---- | ----- |
| 6 | Workshop | Information | University of | 17 Jan. | Attended | ---- | ----- |

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| | | Literacy & Competency | Delhi | 2013 | | | |
| 7 | Int. Conf. | The Legacy of Srinivasa Ramanujan | University of Delhi | 17-22 Dec.,2012 | Attended | ----- | ----- |
| 8 | Workshop | Workshop on Free/Open Source Software - MAXIMA | ANDC (DU) | 17 Aug. 2012 | Attended | ----- | ----- |
| 9 | Int. Conf. | Differential Equations, Computing and Modeling | University of Delhi | 20-24 Dec.2010 | Attended | ----- | ----- |
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Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

| S.No | Type of Event | Name of Event | Venue | Date of Event | State your role: Convener/Member organizing committee/ Speaker/ Coordinator | Duration of Activity | No of participant in the programme |
|------|---------------|---------------|--------------------|---------------|---|----------------------|------------------------------------|
| 1 | SDP | SDP | Daulat Ram College | 12 June 2016 | Speaker (Lecture delivered on Number theory) | 1 hr | 25 |
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Virendra Kumar

Assistant Professor
Department of Mathematics
Daulat Ram College, DU