




RAM LAL ANAND COLLEGE (University of Delhi)
Faculty Details



Title	Mr.	First Name	Basant Kumar	Last Name	Mishra	Photograph						
Designation	Assistant Professor											
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	Residence											
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Email	Basantmishra.maths@rla.du.ac.in											
Web-Page												
Educational Qualifications												
Degree	Institution				Year							
PhD	University of Delhi				Pursuing							
MPhil	VMU, Salem				2008							
MSc	University of Delhi				2002							
Career Profile												
<table border="1"><thead><tr><th>Organization</th><th>Designation</th><th>Duration</th></tr></thead><tbody><tr><td>Ram Lal Anand College, University of Delhi</td><td>Assistant Professor</td><td>July, 2005 - till date</td></tr></tbody></table>							Organization	Designation	Duration	Ram Lal Anand College, University of Delhi	Assistant Professor	July, 2005 - till date
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Ram Lal Anand College, University of Delhi	Assistant Professor	July, 2005 - till date										
Administrative Assignments												
<ul style="list-style-type: none">❖ Teacher-in-charge of Department of Mathematics, Ram Lal Anand College for the session 2017-18, 2018-19, 2019-20, 2022-23 (Nov-March) , 2023-24❖ Co-Convener, Time-table committee for the session 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22❖ Member, Criterion-V, NAAC committee❖ Member, NIRF Committee for the session 2023-24❖ Member of Examination Committee, which is responsible to conduct semester examination/ SOL examinations for the session 2013-14, 2014-15, 2015-16, 2016-17.❖ Member, Discipline committee from 2010-2015❖ Member, Placement Cell of RLA for the session 2010-11, 2011-12, 2012-13, 2013-14.❖ Member, Student's Union and Advisory committee for the session 2015-2016, 2016-17, and 2023-24❖ Member, Yoga and Meditation committee for the session 2017-18, 2018-19, 2019-20.❖ Member, North-East society for the session 2021-22, 2022-23												

- ❖ Member, Alumni Committee for the session 2018-19.
- ❖ Member, BA(Prog.) Committee for the session 2015-16, 2016-17, 2016-17, 2016-17, 2016-17, 2016-17.
- ❖ Member of Library Committee for the session 2017-18, 2018-19, 2019-20, 2023-24

Areas of Interest / Specialization

Numerical Analysis (Finite Difference Method), Mathematical Modelling, Differential Equation, Dynamical System and Space Dynamics, Computational Method of Partial Differential Equation

Subjects Taught

1. Calculus and Multivariate Calculus
2. Probability and Statistics
3. Numerical Analysis
4. Operational Research
5. Abstract Algebra and Linear Algebra
6. Differential Equations
7. Partial Differential Equation
8. Discrete Mathematics
9. Skill Enhancement Course : Latex & HTML, Computer Algebra System
10. Vedic Mathematics

Research Guidance

- Supervised and Guide ten students in Innovation Project RLA-208 entitled: **CONNECTING DIGITAL WORD TO THE PHYSICAL WORLD THROUGH SOCIAL MEDIA**, (2013-2014) as Principal Investigator of the Project (developed App "SUDHAR")
- Supervised and Guide ten students in Innovation Project RLA-301 entitled: **AUTOMATIC GREEN CORRIDOR USING SENSORS TO SAVE HUMAN LIFE IN DELHI**, (2015-2016) as Principal Investigator of the Project (developed Transmitter and Receiver "CRISS-CROSS" for emergency Vehicles using Radio sensors)

Publications Profile (Books/Chapters/Research articles, etc.) (Last 10 publications)

S.No.	Author	Title	Publication Type	ISSN/ISBN No.	Publishers/ Country & Year
1	Mishra, B.K, Pandey, P.K	The approximate solution of the Third order boundary value problem with an integral boundary condition, using Hybrid Finite difference Method.	Research Paper	1454-5101 Vol-24, 235-244	Applied Sciences 2022 (Romania)

2	Basant Kumar Mishra (Co-Author, Contributor)	Finite Mathematics with Application in the Management, Natural and Social Sciences	Chapters in book	978-1-292 - 05863-4	Pearson Education Limited (Global Edition) (2013)
3	Basant Kumar Mishra (Co-Author)	Discrete Mathematics	e~Book	978-93-85611-38-4	ILL, University of Delhi (2012)
4	Basant Kumar Mishra (Co-Author)	Discrete Mathematics	e~Quiz	2349-154X	ILL, University of Delhi (2012)
5	Basant K Mishra, R Kumar	A study on impact of social media on e-commerce in India	Research Article		Journal by MAC (2017)
6	Basant Kumar Mishra	COVID-19 Pandemic: Challenges, Impact and Strategies in the Education Sector in India"	Research Article		Communicated
7	Basant Kumar Mishra	Nutrition Schemes and Learning Outcomes for Schedule Tribes Population of India: Evidence from NDAP	Research Article		NITI AAYog, Govt, of India

Conference Organization/ Presentations (in the last three years)

Conference/Workshop/seminar/Webinar Organized

Sr. No.	Dates	Topic	National	Source of funding/ Organized by
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1	09-01-2016	Workshop on Utility of Sensor Network in Traffic Control with Onyx Electricals	National	Innovation Project, University of Delhi
2	02-02-2014	Workshop on Digital Media and App development	National	Innovation Project, University of Delhi
3	29 th February, 2020	Organized National Workshop on Dynamical System at IIT Mandi	National	SBS, IIT Mandi in collaboration with RLA(DU)
4	09-11-2022	Workshop on Cryptography: A recent trend in Mathematics , by Prof. R.K. Sharma, IIT Delhi	National	Department of Mathematics, RLAC
5	19-03-2023	Webinar on Application of Number Theory , by Prof. Srinivas Kotyada, IMSC, Chennai	National	Department of Mathematics, RLAC
6	08-01-2022	Webinar on Mathematics Behind Investment Decision Making , by Dr. Ruchika Sehgal, Assistant Professor in the Department of Mathematics & Computing at IIT(ISM) Dhanbad.	National	Department of Mathematics, RLAC
7	19-06-2017 to 29-06-2017	Workshop on Yoga & Meditation on International Yoga Day	National	Ram Lal Anand College, University of Delhi
8	24-07-2021	Webinar on Introduction to Data Science by Industry expert Mr. Nikhil Chauhan.	National	Department of Mathematics, RLAC
9	06-03-2022	Webinar on Some Concepts from Linear Algebra Prof. Aparna Mehra, Department of Mathematics, IIT Delhi	National	Department of Mathematics, RLAC

Conference/Workshop/seminar/Webinar attended

- *Faculty Induction Program* organized by TLC, Ramanujan College under the aegis of Pandit Madan Mohan Malavia National Mission on Teachers and teaching (PMMMMNMTT), MOE, Govt. of India from July 22, 2023 to August 20, 2023
- *Two weeks Refresher Course in Mathematics: Python Programming & Vedic Mathematics* organized by Teaching Learning Center(PMMMMNMTT), MOE, Govt. of India & Department of Mathematics, Ramanujan College, university of Delhi in collaboration with JSS Science and Technology University, Mysuru from July 13, 2023 to July 26, 2023

- *Three day workshops for educators on Vedic Mathematics* from April 11, 2023 to April 13, 2023 organized by VAC committee, university of Delhi in collaboration with KMC, University of Delhi
- *One week Faculty Development Programme (FDP) on “Moodle Learning Management System”* organized by Atal Bihari Vajpayee University, Bilaspur in association with IIT Bombay Spoken Tutorial (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) from 12 May, 2020 to 17 May, 2020.
- *Twelve day FDP on SCILAB(Scientific Laboratories) from 22nd May to 2nd June, 2020 organised by IIT Mumbai through spoken tutorials, Remote Learning (An Initiative of National Mission on Education Through ICT, MHRD, Govt. of India)*
- *One Week Faculty Development Program on “Recent Trends in Applications of Mathematics (RTAM)”* organized by Department of Freshman Engineering, Chadalawada Ramanamma Engineering College (Autonomous), Tirupati from 12th - 17th July 2021.
- International FDP on *World of Cyber Crimes and Future Robotics of Industry: COBOTICS*, organized by Department of Electronics and Communication RCIT, Shirpur on 11th -12th July, 2020.
- One week Online International Faculty Development Programme on *“Advanced Materials & Mathematical Tools”* from 10th July 2020 to 14th July 2020, organized by Engineering Department of GW CET, Nagpur.
- One Week Online FDP on *Mathematical Modeling & Numerical Techniques 2020* held from 27/7/2020 to 31/7/2020 by the Faculty of Mathematics, Department of Mathematics and Humanities, Kakatiya Institute of Technology and Science, Warangal.
- National level One Week online Faculty Development Programme on *“MATHEMATICS : A Practical Approach in Science and Technology”* Organised by Department of Basic Science and Humanities from 28th June to 3rd July 2020
- Attended webinar on *“NAAC: Systematic Data Organization and Presentation”*, organized by IQAC, Vidyalankar Institute of Technology, Mumbai on 16-05-2020.
- Participated in webinar titled *Computer vision for AI application* organized by Department of Electronics and communication engineering, Anna University on 26-05-2020
- Attended webinar on *Understanding The Corona Virus: Some Good News* organized by Kalindi College, Delhi university on 20-05-2020
- Participated in the webinar on the topic *“Current Trends in Information Technology”* organized by Department of Computer Science in Collaboration with Department of Mathematics, Bharati College, University of Delhi on 15th May 2020.
- National Workshop on Application of *Mathematica Type Setting Software: LaTeX* organized by MHRD & Guru Angad dev Teaching Learning Centre on 26th March, 2018.
- National Workshop on Application of *Mathematica: A Scientific and Mathematical Tool* organized by MHRD & Guru Angad dev Teaching Learning Centre in collaboration with Wolfram Mathematica INC. on 9th March 2018.
- National Conference on Innovation & Challenges in Indian Economy organized by Maharaja Agrasen College, University of Delhi on 24-04-2017.
- Workshop on *Foundation Courses (Mathematics) Under UGC-ASC program* organized by CPDHE, University of Delhi from 12-06-2013 to 12-06 2013.

- National Webinar on 'Financial Mathematics: Pedagogy and Career Perspectives' organised by the Department of Mathematics, Lady Shri Ram College For Women from July 27 to July 31, 2020.
- Workshop on Mathematics in Virtual Learning Method under Virtual Learning program organized by CPDHE, University of Delhi from 12-06-2013 to 12-06-2013
- Trained in Statistical Software SPSS by Delhi University Computer Centre (DUCC) from 05-08-2013 to 09-05-2013.
- Attended three day national level workshop on MATLAB for beginners organized by the Department of Mathematics, SAASC, Trichi from 28.07.2021 to 30.07.2021.

Research Projects (Major Grants/Research Collaboration)

Sr. No	Name of Faculty	Title	Major / minor	Period years & Months	Grant received (INR)	Name of the funding agency
1	Mr. Basant Kumar Mishra	Connecting Digital World To The Physical World Through Social Media	Major	2013-14 (12 Months)	3,00,000	University of Delhi
2	Mr. Basant Kumar Mishra	Automatic Green Corridor using Sensors to save human life in Delhi	Major	2015-16 (12 Months)	5,00,000	University of Delhi
Total Grant Received					8,00,000 (8 Lakh)	

Awards and Distinctions

S.No	Award Type	Award Name	Awarding Institution or Body	Date
1	TEACHING AWARD	TEACHING EXCELLANCE AWARD	University of Delhi	1 st MAY, 2015

2	INNOVATION AWARD	Certificate of appreciation for BEST INNOVATIVE IDEA for Innovation Project RLA-208	University of Delhi	February, 20-22, 2015
3.	INNOVATION RESEARCH AWARD	Selected for best Poster Presentation of Innovation Research RLA-301	University of Delhi	November, 19, 2016
4.	CSIR-UGC NET	CSIR-UGC NET (Mathematical Science)	CSIR	December, 2008

Association With Professional Bodies

- Mathematical Society of India
- International Mathematical Association

Other Activities

Certificate Course Organized

- Organized **Certificate Course of 40 hours on Python for data Science** for students, Research Scholar and teachers from 24th September, 2022 to 12th November, 2022 by Industry expert Mr. Nikhil Chauhan & Dr. Anisha Khaitan.
- Organized **The Skill Enhancement Certificate Course of 40 hours on the topic “Latex: The Mathematical Typesetting Software”** from 9th January, 2021 to 21st February 2021 by Dr. Kuldip Singh Patel, Department of Mathematics, IIIT, Naya Raipur, Chhattisgarh.

SOFTWARE KNOWLEDGE/COMPUTER PROFICIENCY

- SPSS Certified from DUCC [Statistical Software]
- MATHEMATICA , Mathematical software certified
- MATLAB, Mathematical software
- TORA, Mathematical Software for Operational Research
- HNC Diploma in computer software from NIIT.
- Friendly with MS-DOS, WINDOWS X, MS-OFFICE. MS-Excel.

EXTRACURRICULAR ACTIVITIES

- Took active part in Elocution, Debates, Quizzes and Stage Drama shows at the school and college level.
- Represented College in the Inter-College Quiz competitions.
- Attended and participated in various seminars organized by University of Delhi.
- Held the post of Student’s Representative at Department of Mathematics in University of Delhi for consecutive 2 years.

COMMUNITY ACTIVITIES

- Raised funds for old and unprivileged people in association with 'Help Age India'.
- Volunteered in Adult Education and Public Awareness campaigns in rural areas.
- Motivated by 'Each one, Teach one' concept, I have been teaching at least one unprivileged child since my college days.