




DESHBANDHU COLLEGE (UNIVERSITY OF DELHI)

KALKAJI, NEW DELHI - 110019

Faculty Details Proforma for College Website

Title	Mr.	First Name	ROHIT	Last Name	GOEL	Photograph
Designation	Assistant Professor					
Address	Department of Mathematics Deshbandhu College (University of Delhi) Kalkaji, New Delhi - 110019					
Phone No. Office						
Residence	Vaishali, Ghaziabad (U.P.)					
Mobile	+91-9997629575					
Email	rgoel@db.du.ac.in					
Web-Page	https://sites.google.com/view/rohitcv					
Educational Qualifications						
Degree	Institution				Year	
Ph.D. (Pursuing)	Jaypee Institute of Information Technology					
PG	Meerut College, Meerut					
UG	Meerut College, Meerut					
CSIR-JRF	CSIR-JRF Mathematical Sciences AIR:48					
GATE	GATE Mathematics AIR:384					
Career Profile						
<ol style="list-style-type: none"> 1. Working in Deshbandhu College, University of Delhi designated as 'Assistant Professor (Ad-hoc) – Department of Mathematics' from 27.07.2012 to Present Date. 2. Worked as Academic Counsellor in IGNOU Study Centre at Sri Aurobindo College, New Delhi. 3. Worked as Guest Lecturer in Lady Sri Ram College for Women, University of Delhi 4. Worked as Guest Lecturer in Kamala Nehru College, University of Delhi. 5. Worked as Guest Lecturer in Motilal Nehru College, University of Delhi. 6. Worked in C.C.S. University Campus, Meerut (U.P.), designated as 'Teaching Assistant (Contractual) - Mathematics' in the Academic Session 2011-2012, taught M.Sc. (Mathematics) Previous & Final year Students, with a consolidated monthly salary, as per CCS University, Meerut norms. 7. Appointed as Assistant Professor on Permanent Basis in Patna Science College, Patna University through Bihar Public Service Commission. (Not joined the post due to some family reasons) 						
Administrative Assignments						
<ol style="list-style-type: none"> 1. Worked as Member, Central Examination Committee OBE of Deshbandhu College, University of Delhi, in the Academic Sessions 2020-21, 2021-22. 2. Worked as Member, Prospectus Committee of Deshbandhu College, University of Delhi, in the Academic Session 2020-21. 3. Worked as Member, Website Committee, Department of Mathematics, Deshbandhu College, University of Delhi, in the Academic Sessions 2020-21, 2021-22. 4. Worked as Member in the Cultural Committee of Deshbandhu College, University of Delhi, in the Academic Session 2015-2016. 5. Worked as Member in Central Admission Committee of Deshbandhu College, University of Delhi, in the Academic Sessions 2014-2015, 2015-2016, 2018-2019. 						

6. Worked as Member in the Organizing Committee of the Annual Mathematics Festival “SAMUCHAYAM” of the Department of Mathematics, Deshbandhu College, University of Delhi since 2012.
Areas of Interest/Specialization
Differential Equations Modelling & Numerical Simulations
Subjects Taught
Ordinary & Partial Differential Equations Real Analysis Multivariate Calculus
Publications Profile
<ol style="list-style-type: none"> 1. Co-authored the Research Paper titled An Efficient Numerical Simulation of a Reaction-Diffusion Malaria Infection Model using B-Splines Collocation, R.C. Mittal, Rohit Goel, Neha Ahlawat, Chaos, Solitons & Fractals, 143 (2021) 2. Solely Authored the Research Paper (ISSN No. 2320-7736) Titled “माइक्रोपोलर तरल पदार्थ में रेले-बनार्ड संवहन की स्थिरता”, Published in विज्ञान गरिमासिंधु, गणितीय – विज्ञान विशेषांक (आलेख सिद्धांत) अंक - 105, अप्रैल - जून 2018, by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development (Department of Higher Education), Government of India. 3. Solely Authored the Research Paper (ISSN No. 2250-1991) Titled “On the Stability of Rayleigh’ – Bernard Convection in A Micro polar Fluid”, Published in “Indian Journal of Research – Paripex”, Vol.-3, Issue – 5. 4. Co-Authored the Research Paper (ISSN No. 2277-8160) Titled “A Survey on Automation of University Examination System”, Published in “Global Journal of Research –International”, Vol.-3, Issue – 5. 5. Co-Authored the Research Paper (ISSN No. 2250-1991) Titled “A Mathematical Modelling of University Examination System”, Published in “Indian Journal of Research-Paripex”, Vol.-3, Issue – 5. 6. Solely Authored the Research Paper (ISSN No. 2250-1991) Titled “Survey on Image Processing with Edge Detection Techniques”, Published in “Indian Journal of Research-Paripex”, Vol.-3, Issue – 5.
Conference Organization/Presentations
Presented a research paper titled “ An Efficient Numerical Approach to Simulate NPZ and SIR Biological Models with Diffusion ” in 3rd International Conference on “Recent Advances in Fundamental and Applied Sciences RAFAS-2021” organized by Lovely Professional University, Punjab held on June 25-26, 2021.
Awards and Distinctions
Recipient of Indian Oil Scholarships – Energizing Success , Batch: 2004 (10+ / ITI, 02 - Year Duration)
Other Activities
<ol style="list-style-type: none"> 1. Participated as an Active Member, Organizing Committee in the “INSPIRE, Internship Programme – 2012” Organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, held from October 1-5, 2012. 2. Participated In the International Conference “The Legacy of Srinivasa Ramanujan”, organized by University of Delhi, held in the International Mathematics Year 2012 (December 17-22, 2012). 3. Participated In the Workshop on “Mathematica” organized by Department of Mathematics, Acharya Narendra Dev College, University of Delhi, held on March 1st, 2013.

4. Attended as a Participant/Resource Person in **The Special Orientation Programme for the Foundation Course** in Building Mathematical Ability Of The Four Year Undergraduate Programme, held on August 19th, 2013 at the University of Delhi South Campus.
5. Participated in the **“International Seminar on History of Mathematics”** Co-Sponsored by International Commission on the History of Mathematics, held at Ramjas College, University of Delhi, in the International Statistics Year 2013 (November 27-28, 2013).
6. Attended & Participated as an Active Member, Organizing Committee, In A Talk On **“Numerical Methods in View Of Ancient Literature (Vedic Mathematics)”** By. Prof. Kailash Vishwakarma, Bundelkhand University, Organized At Deshbandhu College, University Of Delhi. (October, 30, 2013).
7. Participated as an Active Member, Organizing Committee in the **“INSPIRE, Internship Programme – 2013”** organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, held from December 16-20, 2013.
8. Participated in A Three-Day **Workshop/ Orientation Programme** for FYUP **Foundation Course ‘Building Mathematical Ability’** Organized By CPDHE, University of Delhi. (February, 01-02, 2014).
9. Attended & Participated as An Active Member, Organizing Committee, In A Three Day **“Under Graduate Teacher Enrichment (UGTE) Workshop”** On **“Finite Group Theory & Applications”** Organized By **“Ramanujan Mathematical Society (RMS)”** at Deshbandhu College, University of Delhi. (February,07-09, 2014).
10. Worked As an Active Member, Organizing Committee, In A Two Day **“Science Academies Lectures Workshop”** For Undergraduate Mathematics Students On **“Computer Science & Differential Equations”** At Deshbandhu College, University Of Delhi. (March, 07-08, 2014).
11. Attended a Lecture on **“Differential Equations and Mathematical Modelling”** Delivered by Dr. Shobha Bagai, Held at Deshbandhu College, University of Delhi, On 15thOctober, 2015.
12. Participated in the **State Level Seminar** On **“Mathematics and Its Applications”** Organised by Department of Mathematics, Kamala Nehru College, University Of Delhi, On 04thMarch, 2016.
13. Attended and Participated in a **Lecture and Workshop** On **“Vedic Mathematics and Jyotish”** Organized by The Department of Sanskrit and Department of Mathematics, Deshbandhu College, University of Delhi, held on 15thMarch 2016.
14. Participated In the **Workshop** On **“LATEX”** Organized by Department of Mathematics, Hansraj College, University of Delhi, on 9th April, 2016.
15. Participated in the **National Workshop** on **“Latex and Website Designing”** organized by the Department of Mathematics, Shaheed Bhagat Singh College, University of Delhi, On August 11-12, 2016.
16. Participated in the **Workshop** on **“Latex and HTML”** organized by Department of Mathematics, Acharya Narendra Dev College, University of Delhi, on 27thAugust 2016.
17. Participated in the **National Workshop** on **“Mathematical Modelling and Computation Techniques using Mathematica, MMCUTM-2017”** organized by the Department of Mathematics, Zakir Husain Delhi College, University of Delhi, on 30-31 March, 2017.
18. Participated in the **National Workshop/Seminar** on **“Technical Terminology in Science Technology”** organized by Commission of Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education, Government of India, at Deshbandhu College, University of Delhi, on 26-27 October, 2017.
19. Participated in the **National Conference** on **“Analysis and its Applications”** organized by the Department of Mathematics, South Asian University (A University established by SAARC Nations), New Delhi & Department of Mathematics, Dyal Singh College, University of Delhi on 09-11 December, 2017.
20. Participated in the **Seven-Day Faculty Development Programme** on **“Skill based Teacher’s Training in ICT, IPR and Research”** organized by the Teaching Learning Centre (TLC) under Ministry of Human Resource and Development, Pandit Madan Mohan Malaviya National Mission

on Teachers and Training, held at Ramanujan College, University of Delhi held during 05-11, March 2018.

21. Participated in the **National Workshop/Seminar on “Applications in Graph and Network in Computational Studies, Bio-informatics, Engineering and its Technical Terminology”** organized by Commission of Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education, Government of India, at SCIS, Jawaharlal Nehru University, New Delhi on 12-14 March, 2018.
22. Participated and worked as an active Member of Organizing committee in the Workshop on **“Skill Development to Build a Clean India”** organized by Deshbandhu College in collaboration with CSR, ONGC, New Delhi held on 7-8, June 2018.
23. Participated and worked as an active Member of Organizing committee in the six-day **“Teacher’s Enrichment Workshop on Differential Equations, Mathematical Modelling & Analysis”** organized by **National Centre for Mathematics (A joint centre of TIFR and IIT Bombay)** held at Deshbandhu College, New Delhi during 24-29, July 2018.
24. Attended an open lecture on **“Independence of Continuum Hypothesis”** delivered by **Prof. H.G. Dales, Lancaster University, United Kingdom**, held on December 05th, 2018 held at Deshbandhu College, University of Delhi.
25. Participated in the Conference on **“Algebra, Analysis and Applications”** organized by **Ambedkar University, Delhi** on May 10, 2019.
26. Participated in the National Workshop/Seminar on **“Use of Technical terminology in Technology & Management”** organized by **“Commission of Scientific and Technical Terminology, under MHRD, Department of Higher Education”** held at **“ABES Engineering College, Ghaziabad”** on June 26-27, 2019.
27. Worked as an **Evaluator** for State Level Camp (Level-II) Delhi of Vidyarthi Vigyan Manthan VVM 2019-20 organized by VIBHA in association with **Vigyan Prasar, DST and NCERT, MHRD (Govt. of India)** on Sunday 19th January 2020 at Deshbandhu College, University of Delhi, New Delhi.
28. Worked as a **Member Organizing Committee** in the National Conference **“Pharmacovigilance: Advancements in the Safe Drug Development NCPASDD-2020”** on 16th-17th January, 2020 by Department of Biochemistry, Deshbandhu College, University of Delhi, New Delhi.
29. Participated in the **International Workshop on Numerical Methods in Scientific Computing IWNMSC-2020** organized by **South Asian University, New Delhi** on February 21-22, 2020.
30. Successfully Completed **Two Weeks Faculty Development Programme on “Managing Online Classes and Co-Creating MOOCS 2.0”** organized by **Teaching Learning Centre, Ramanujan College, University of Delhi** on May 18-June 03, 2020.
31. Successfully attended the webinar on **“Writing Research Papers and Submissions by Prof. Lance Fung”** jointly organized by **IEEE Malaysia Section Consultants Network Affinity Group and IEEE Young Professionals Malaysia** on June 03, 2020.
32. Successfully Completed **One Week Online Faculty Development Programme on “Development and Delivery of MOOCs and E-Content”** jointly organized by **Central University of Haryana** under aegis of **PMMMNTT and IQAC Deshbandhu College, University of Delhi** on June 26-July 01, 2020.
33. Participated and Successfully Completed **Five Days TEQIP-III Sponsored Faculty Development Programme on “Technology and Innovation in Math Education”** held on 14-18 September, 2020 organized by **Rajasthan Technical University, Kota**.
34. Attended the **“Guinness World Records”** attempts organized by **CSIR-NISTADS and Vinjana Bharti** in December 2020 in **India International Science Festival 2020**.
35. Attended **AICTE sponsored One Week Short Term Training Program STTP on “Mathematica-A Scientific Research Tool”** conducted by **Sagar Institute of Research & Technology, Bhopal** on 21-26 September 2021.
36. Participated in **Two Week Refresher Course in “Mathematics”** organized by **Teaching Learning Centre & Department of Mathematics, Ramanujan College, University of Delhi** under the aegis of **PMMMNM** from 16-30 March 2021 and successfully completed with **A+ grade**.

37. Participated in **Six Day Faculty Development Program** on “**Innovation and Trends in Software Engineering**” organized by **Department of Computer Science Engineering and Information Technology**, Jaypee Institute of Information Technology, Noida on 07-12 June 2021.
38. Presented a research paper titled “**An Efficient Numerical Approach to Simulate NPZ and SIR Biological Models with Diffusion**” in **3rd International Conference** on “**Recent Advances in Fundamental and Applied Sciences RAFAS-2021**” organized by **Lovely Professional University, Punjab** held on June 25-26, 2021.
39. Attended the two days **National E-Conference** on “**Advances in Theoretical Physics, Material and Atmospheric Sciences**” during 16-17 July, 2021 organized by **VKSC Govt. PG College, Dehradun, U.K.**
40. Participated in **Two-Day Webinar** on “**Applications of Mathematics in Image Processing and Network Security**” organized by **Department of Mathematics, Rajdhani College, University of Delhi** on June 25-26, 2021.
41. Successfully completed **One Week Faculty Development Program** on “**Mathematical Analysis and its Applications**” held on July 26 to August 31, 2021 being organized by **Mahatma Hansraj Faculty Development Centre** under **PMMMNTT**, Hansraj College, University of Delhi.
42. Participated in **One Week Faculty Development Program** on “**Recent Techniques for the Solutions of Nonlinear Differential Equations**” organized from August 23-28, 2021 by **Department of Mathematics, Jaypee Institute of Information Technology, Noida.**
43. Participated in **National Webinar** on “**Relevance of Vedic Mathematics**” organized by **Central University of Himachal Pradesh** on September 05, 2021.
44. Participated in **International Webinar** on “**Introduction to MATLAB**” organized by **JSS Academy of Technical Education, JSS Mahavidyapeetha, Noida** on September 17, 2021.
45. Successfully completed **One Week Interdisciplinary Online Faculty Development Programme** on “**Graph Theory and its Applications**” organized by **Deshbandhu College (Under the aegis of IQAC)** in collaboration with **Mahatma Faculty Development Centre** held on September 15-21, 2021.

ROHIT GOEL