

Curriculum Vitae

Dr. PARVEEN KUMAR



Objective:

- To be a part of team of professionals, to work out my conceptual knowledge and ambitions to manage the progress of the organization.
- To obtain a good position in a good Organization in the field of teaching to keep myself updated with the latest technologies of my field of work.

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| Email: parveengaur1980@gmail.com parveengaur@jcboseust.ac.in parveen_brcm@rediffmail.com Contact. No.: 09416526411 09992500740 Permanent Address: House No 09, Gali Satgala, Pana Chajyan, BERI Jajjhar-124201 | Work Experience | | | | | | | | | | | | | | |
| | <ul style="list-style-type: none">• Working as Assistant Professor(Mathematics) J. C. Bose University of Sc. & Tech. YMCA, Faridabad Since 22 April 2021 | | | | | | | | | | | | | | |
| | <ul style="list-style-type: none">• Worked as NAAC Coordinator Assistant Professor(Mathematics) RPS Degree College, Balana (Mahendergarh) From 26th October 2018 to 20th April 2021• Worked as Vice Principal & Assistant Professor(Mathematics) NAAC Coordinator, IQAC Convener GDC Memorial College, Bahal Bhiwani From 01st July 2015 to 12th October 2018 | | | | | | | | | | | | | | |
| | <ul style="list-style-type: none">• Earlier at BRCM CET Bahal as Head of the Deptt. – Applied Sc. & Humanities In charge – 1st Year Assistant Professor(Mathematics) NSS Program Officer Convener –Media Coordination | | | | | | | | | | | | | | |
| | <ul style="list-style-type: none">• Teaching M.Sc.(Mathematics) students since July 2015• Worked as Guest Faculty from Jan. 2005 to August 2005• Experience under Earn while you learn Scheme of GJU Hisar.• Teaching experience of Post graduate (M. Tech) students <p>Total Experience:- 20 Years</p> | | | | | | | | | | | | | | |
| | Education | | | | | | | | | | | | | | |
| | <table><tr><td>2015</td><td>Ph. D from DCRUST Murthal (Sonipat)</td></tr><tr><td>2007</td><td>M Phil from Alagappa University</td></tr><tr><td>2005</td><td>PGDCA from KU Kurukshetra</td></tr><tr><td>2004</td><td>M Sc (Mathematics) from GJU Hisar</td></tr><tr><td>2002</td><td>B Sc. from Punjab University, Chandigarh</td></tr><tr><td>1997</td><td>10+2 from CBSE</td></tr><tr><td>1995</td><td>10th from Haryana Board, Bhiwani</td></tr></table> | 2015 | Ph. D from DCRUST Murthal (Sonipat) | 2007 | M Phil from Alagappa University | 2005 | PGDCA from KU Kurukshetra | 2004 | M Sc (Mathematics) from GJU Hisar | 2002 | B Sc. from Punjab University, Chandigarh | 1997 | 10+2 from CBSE | 1995 | 10 th from Haryana Board, Bhiwani |
| 2015 | Ph. D from DCRUST Murthal (Sonipat) | | | | | | | | | | | | | | |
| 2007 | M Phil from Alagappa University | | | | | | | | | | | | | | |
| 2005 | PGDCA from KU Kurukshetra | | | | | | | | | | | | | | |
| 2004 | M Sc (Mathematics) from GJU Hisar | | | | | | | | | | | | | | |
| 2002 | B Sc. from Punjab University, Chandigarh | | | | | | | | | | | | | | |
| 1997 | 10+2 from CBSE | | | | | | | | | | | | | | |
| 1995 | 10 th from Haryana Board, Bhiwani | | | | | | | | | | | | | | |

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| <p>Personal Data:</p> <p>Father's Name:</p> <p style="text-align: center;">Sh. Shyam Sunder Gaur</p> <p>Date of Birth:</p> <p style="text-align: center;">14-06-1980</p> <p>Sex:</p> <p style="text-align: center;">Male</p> <p>Nationality:</p> <p style="text-align: center;">Indian</p> <p>Language Known:</p> <p style="text-align: center;">English, Hindi & Sanskrit</p> <p>Marital Status:</p> <p style="text-align: center;">Married</p> <p>References:</p> <ul style="list-style-type: none"> • Dr. Kuldeep Bansal Professor, Mathematics Deptt., GJU, Hisar. Contact: 01662 – 263167 (O) 09416498918 (Mobile) • Dr. Rajive Kansal Member Secretary, AICTE New Delhi Contact: 9313853701 (Mobile) • Dr. R. K. Ranjan Principal Govt. Polytechnic Bihar Contact: 7974888700(Mobile) | <p>Administrative Experiences:</p> <ul style="list-style-type: none"> • Vice Principal – GDC Memorial College, Bahal • NAAC Coordinator & IQAC Convener • IGNOU Study Centre Coordinator • Convener - Admission Cell Committee • Incharge First Year Classes, BRCM CET Bahal • Head- Applied Sc. & Humanities Deptt. BRCM CET Bahal • Convener – Media Coordination • NSS Programme Officer- NSS Unit BRCM CET - NSS Unit J. C. Bose UST • Coordinator, Sessional Examination • Convener, Time Table Committee • Incharge, Time Table for 1st year classes • Hostel Warden • Member Eco club • Member of Career Counseling Team • Member of various Enquiry Committees • Member of Mentorship Committee • Incharge of Aptitude Test Committee • Member of TPO Cell Committee • Center Supdt. & Deputy Supdt. during theory examination of MDU Rohtak, CBLU Bhiwani and J C Bose UST, YMCA • Convener, Flying squad during theory examination of MDU, Rohtak & IGU Rewari <p>Teaching</p> <ul style="list-style-type: none"> • B.E. / B.Tech./ B.Sc./B.A./B.Com/BCA Mathematics – I, II, III Numerical Methods, ANTC theory classes, NM Lab, ANTC Lab Business Mathematics, Real & Complex Analysis • M.Tech Advance Engineering Mathematics • M.Sc.(Mathematics) Ordinary Differential Equation Integral Equation Operation Research Techniques Complex Analysis & Advance Complex Analysis Mathematical Statistics Analytic Number theory Mathematical Methods Graph Theory Numerical Methods |
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Computer Skills:

- PGDCA from KU, Kurukshetra
- ANSI-C, Fortran 77

Books Published:

- Published a book entitled
“A text book of Engineering Mathematics I” for the B.Tech. 1st Semester classes with ISBN No. **81-7684-916-2** through Publisher **Satya Prakashan, Delhi.**
- Published a book entitled
“A text book of Engineering Mathematics II” for the B.Tech. 2nd Semester classes with ISBN No. **81-7684-962-6** through Publisher **Satya Prakashan, Delhi.**

Paper Published:

1. Parveen Kumar, R. K. Ranjan, Davender Singh, Vijender Singh, **“Investigation on sintered preform with different geometrical shape factor”** in ‘AIP Conference Proceedings’ Volume 2142, 2019, ISSN No. 1551-7616, <https://doi.org/10.1063/1.5122620>
2. Davender Singh, Naveen Kumar, Parveen Kumar and Jitendra Gangwar, **“Crystallographic representation of polymorphs ZrO₂ using VESTA software”** in ‘AIP Conference Proceedings’ Volume 2142, 2019, ISSN No. 1551-7616, <https://doi.org/10.1063/1.5122493>
3. Vijender Singh, Poonam R. Kharangarh, Parveen Kumar, Davender Singh, Sanjay, Arindam Ghosh and Sanjay kumar, **“Measurements of third-order optical nonlinearity using Z-scan technique: A review”** in ‘AIP Conference Proceedings’ Volume 2142, 2019, ISSN No. 1551-7616, <https://doi.org/10.1063/1.5122548>
4. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Mathematical modelling of forging of sintered preform: Comparative study of open and closed die”**, in ‘International Journal of Pure and Applied Mathematics’, Volume 82, No. 2, December 2012, ISSN No. 1311-8080
<https://www.ijpam.eu/contents/2013-82-2/2/2.pdf>
5. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Investigations of an axisymmetric compound flow behaviour of sintered preform: An Upper bound approach”**, in ‘International Journal of Pure and Applied Mathematics’, Volume 81, No. 5, March. 2012, ISSN No. 1311-8080
<https://www.ijpam.eu/contents/2012-81-5/2/2.pdf>
6. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Mathematical model for sintered Aluminium metal considering homogeneous pattern of deformation”**, in ‘Pure and Applied Mathematika Sciences’, Volume LXXV, No. 1- 2, March 2012, ISSN No. 0379-3168
7. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Mechanics of bar forging of sintered preform: An Upper bound approach”**, in ‘Pure and Applied Mathematika Sciences’, Volume LXXV, No. 1-2, March 2012, ISSN No. 0379-3168
8. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Analysis of flow behaviour during forging of metal powder particles”**, in ‘Manufacturing Technology and Research’, Volume 8, No. 1, 2012, ISSN No. 0973-0281
9. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Mechanics of deformation during open die forging of sintered preform: Comparative study by Equilibrium and Upper bound methods”**, in ‘ARPN Journal of Engineering and Applied Sciences’, Volume 6, No. 6, June 2011, ISSN No. 1819-6608, https://arpnjournals.com/jeas/research_papers/rp_2011/jeas_0611_515.pdf
10. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Upper bound analysis for rectangular shaped sintered metal powder preform considering homogeneous pattern of deformation”**, in ‘International Journal of Applied Physics and Mathematics’, Volume 2, No. 6, Nov. 2012, ISSN No. 2010-362X, <https://doi.org/10.7763/IJAPM.2012.V2.I45>
11. Parveen Kumar, R. K. Ranjan, Rajive Kumar, **“Upper bound analysis for rectangular shaped sintered metal powder preform considering triangular pattern of deformation”**, in ‘International Journal of Applied Science & Technology Research Excellence’, Volume 1, No. 1, Nov.-Dec. 2011, ISSN No. 2250-2726
12. Parveen Kumar, Parmod Kumar, R. K. Ranjan, **“Mathematical Abstraction of Sintered Preform: Comparative Analysis”**, in ‘International Journal of Multi Res App St.’, Volume 1, No. 1, 2017.

13. Navdeep Kumar, Parveen Kumar, R. K. Ranjan, "Energy dissipation dynamics in bulged profiles in Sinter forging ", Panamerican Mathematical Journal, Vol. 34, No. 3, 2024, ISSN No 1064-9735, <https://doi.org/10.52783/pmj.v34.i3.5995>
14. Navdeep Kumar, Parveen Kumar, R. K. Ranjan, K. D. Sharma "Mathematical Modeling of Sinter Forging Dynamics considering different aspect ratio and friction condition", Journal of Mechanics of Continua and mathematical Sciences, Special issue -12, August 2025, ISSN No 2454-7190, <https://doi.org/10.26782/jmcms.spl.12/2025.08.00007>
15. Navdeep Kumar, Parveen Kumar, R. K. Ranjan, K. D. Sharma "Analytical Modelling of Sinter forging at high speed considering various friction conditions ", Journal of Mechanics of Continua and mathematical Sciences, Special issue -12, August 2025, ISSN No 2454-7190, <https://doi.org/10.26782/jmcms.spl.12/2025.08.00008>

*SCOPUS, *UGC approved

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 ORCID ID : 0000-0003-4820-6641, <https://orcid.org/my-orcid?orcid=0000-0003-4820-6641>

16. Presented a paper in **National Conference** at BRCM CE&T, Bahal during Dec 24-25, 2010
17. One paper in **National Conference** at GLA University Nov. 05-06, 2011
18. Presented a paper in **National Seminar** on Nation Building – Role of NSS organized by NSS Cell Govt. College Bhiwani on 31st March 2013
19. Presented a paper in **National Conference** at BRCM CE&T, Bahal during 18-19 March 2017
20. Presented a paper in **National Seminar** at GDC Memorial College, Bahal during 13-14 April 2018
21. Presented paper in **International Conference** at GDC Memorial College, Bahal during 07-09 February 2019
22. Presented paper in 30th **International Conference of CONIAPSXXX** at J. C. Bose University of Sc. & Tech., YMCA Faridabad during 28-29 February 2024
23. Presented paper in **International Conference on Recent Evolutions in Applied Science and Engineering-2024** at Chitkara University Punjab during 19-20 April 2024
24. Presented paper in **International Conference on Recent Evolutions in Applied Science and Engineering-2025** at Chitkara University Punjab during 8-9 May 2025

Seminar/Training Program/Workshops:

- Participated in **AICTE sponsored Seminar** on HRD Programme for Principal, Faculty, Depts. Heads & Staff of Engineering colleges in Haryana organized by BRCM CET Bahal (Bhiwani) & INDIAN HERITAGE ACADEMY Bangalore April 3-6, 2006
- Attended **AICTE sponsored Short Term Course** under Quality Improvement Programme "Numerical Computation using software tools" at IIT ROORKEE 14 – 21 July 2007
- Attended **National Workshop** on "Engineering applications of Mathematics" organized by department of Mathematics DCRUST Murthal (Sonapat) 18-19 Dec 2008
- Attended **National Workshop "Mission 10X"** organized by Wipro, Bangalore and BRCM CET from 16-20 Nov 2009
- Attended a **National conference** on "Mathematical Modeling and Simulation" organized by GJU Hisar from 20-21 March 2010
- Attended a **Short Term Course** on "Art of Learning" organized by BRCM CE&T, Bahal on Sep.12, 2009.
- Attended **National Workshop** on "Computational Mathematics" organized by GJU Hisar sponsored by UGC 26 March 2011.
- Organized a **National Seminar** on Recent Applications of Nano Technology in Engineering. as **Co-Convener** at BRCM CET Nov 19, 2011
- Attended **First aid & Home Nursing Training** November 2012
- Attended **National Workshop** on Modeling & Simulation using Simulink with Engineering applications organized by BRCM CET on 13th Oct. 2012

- Attended **National Workshop** on Aakash for Education organized by IIT Bombay on 10-11th Nov. 2012
- Attended Higher Education Haryana Sponsored **National Seminar** on Interdisciplinary approach in Science in Emerging Scenario organized by Vaish College Bhiwani on 16th March 2013
- Attended **National Seminar** on Nation Building – Role of NSS organized by NSS Cell Govt. College Bhiwani on 31st March 2013
- Attended one day **Workshop** organized by Youth Red Cross MDU Rohtak on 7th Dec. 2012
- Attended **Training Orientation Course** for NSS Programme officers organized by IDC Chandigarh from 21-27th Aug. 2012
- Attended a workshop on Data Science on 10-11th August 2018 at BRCM CET Bahal.
- Attended a training program on Pedagogy for effective teaching and learning on 23-24th April 2018 at BRCM CET Bahal
- Organized a **National Seminar** on India's foreign policy - Challenges & Opportunities as **Co-Convener** at GDC Memorial College Bahal September 19-20, 2015
(Sponsored by ICWA New Delhi)
- Organized a **National Seminar** on India's foreign policy - Emerging Challenges as **Co-Convener** at GDC Memorial College Bahal March 25-26, 2017
(Sponsored by ICWA New Delhi)
- Organized a **National Seminar** on Vartmaan Bhartiya Suraksha Va Videsh Niti as **Co-Convener** at GDC Memorial College Bahal April 13-14, 2018
(Sponsored by ICWA New Delhi)
- Attended Online Webinar on NAAC revised Accreditation framework 2020 organized by Rubrics Softcon private limited, Pune 9 May 2020
- Attended Online One Week **Faculty development Program** on Recent Advances in Science & Technology organized by RPS degree College Balana Mahendergarh 21-27th May 2020
- Attended Online Webinar on Importance of soft skills & technology in career development organized by Department of applied Sciences, RPS CET Balana Mahendergarh 31 May 2020
- Attended Online Two day international workshop on Rejuvenation through Yoga during COVID organized by Department of physical education, Dayanand College Hisar 1-2 June 2020
- Attended National Webinar on COVID -19 PANDEMIC : Historical & Socio-Economic Impact organized by GDC Memorial College Bahal (Bhiwani) 10 June 2020
- Attended Two day live Online Webinar on Fuzzy linear programming problems and its applications in sciences and engineering organized by Department of applied Sciences, Chitkara University Punjab 17-18 June 2020
- Attended National Webinar on Fluid dynamics organized by Department of Mathematics & Statistics, School of Basic Sciences, Manipal University Jaipur 23 June 2020
- Attended International Webinar on Mathematical approach of solute transport modeling organized by Department of applied science, KIET group of institutions 27 June 2020
- Attended National Webinar on Numerical and scientific computing organized by Department of Mathematics & Statistics, School of Basic Sciences, Manipal University Jaipur 1 July 2020
- Attended International Webinar on Smart cities: Beyond the pandemics organized by BITS Pilani 10-11 July 2020
- Attended National Webinar on applications of Mathematics in Society organized by Department of Mathematics, Baba Mastnath University Rohtak 18 July 2020
- Attended National Webinar on Classroom management tools organized by Department of Commerce, SCMS School of technology and management, Muttom, Aluva 23 July 2020
- Attended Two day E-Workshop on Data analysis with SPSS organized by Department of Mathematics & Statistics, School of Basic Sciences, Manipal University Jaipur 23-24 July 2020
- Attended Six days Online **International Faculty Development Programme** on Exploring Innovation in Mathematics and Statistics Organised by Department of Mathematics, SCHOOL OF ARTS AND SCIENCE AV CAMPUS, VMRF, PAIYANOOR, CHENNAI from 27th July to 1st August 2020.

- Attended Seven Days Online **National Workshop** on NAAC : Seven Assessment criteria for Accreditation organized by Govt PG College Bilaspur 2-8th August. 2020
- Attended AICTE Sponsored **Short Term Training Program** On Outcome Based Education and Quality Assurance in Teaching organized online by SCMS School of Technology and Management, Kerala from 17-22nd August 2020.
- Attended Online Five days **Faculty development Program** on Research Methodology and Scientific tools organized by Govt College Satnali Mahendergarh 9-13th September 2020.
- Attended Two days **Faculty development Program** organized by Department of Commerce-IV, Rathinam College of Arts and science, Coimbatore 18-19 November 2020.
- Attended Two week **Value added course** An Interactive approach to learn Mathematical applications of C & C++ organized & sponsored by Department of Mathematics, J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad 21st May -03rd June 2021.
- Attended **Workshop** on Intellectual Property Rights conducted by Research & Development section, J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad 19 June 2021.
- Attended **Workshop** on Digital tools conducted by JMIT Radaur, Yamunanagar 26 June 2021.
- Attended Online one week **Professional development Program** organized & sponsored by J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad 28th June -03rd July 2021.
- Attended Online Eight days **Faculty development Program** on Cardinal role of quality education in developing self – reliant India organized by Aggarwal College Ballabgarh 7th – 14th July 2021.
- Attended ten days **National Workshop** on Vedic mathematics organized by department of Mathematics CH. Bansi Lal University, Bhiwani in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi 31st August – 09 September 2021.
- Attended Ten **Value added course** on Vedic Mathematics organized & sponsored by Department of Mathematics, J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi 18-28 October 2021.
- Attended online **Webinar** on Converting research to Patents organized by department of Electrical Engineering, J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad 4 March 2022.
- Attended **Yoga Camp** organized by Internal complaint Committee (Women Cell), J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad 21-27 February 2022.
- Attended UGC sponsored One month **Faculty induction program** organized by HRDC, Jamia Millia islamia, New Delhi 8 June – 5 July 2022
- Attended Two Week **Refresher Course in Mathematics** " Python & Vedic Mathematics" Organised by Teaching learning Centre & Department of Mathematics under the aegis of Ministry of Education PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING in collaboration with Department of Mathematics, Sri Jayachamarajendra College of Engineering (SJCE) JSS Science and Technology University (JSS S&TU), Mysuru 13-26 July 2023
- Attended 5-day **Faculty induction program** on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) 5-9 June 2023
- Attended UGC sponsored two week **Refresher Course in Basic Sciences** organized by UGC-HRDC, Jamia Millia Islamia, New Delhi 22 August – 4 September 2023
- Attended **Karamyogi Training** organized by Govt. of Haryana 23 January 2024
- Attended 2-day **Faculty induction program** on the theme “Emerging Trends in : Artificial Intelligence A study of Applications across various education stores” organized by AITM Palwal Haryana 26-27 April 2025
- Attended **Faculty induction program** “NEP-2020 Orientation & Sensitization” Under Malaviya Mission Teacher Training(MM-TTP) organized by MMTTC, Jamia Millia Islamia, Central University New Delhi, 9-17 July 2025
- **Organised Haryana State Council of Science Innovation and Technology (HSCSIT) sponsored** Two days workshop on Applications of Mathematics from 9-10 August 2021 as **Co-coordinator** at J. C. Bose University of Sc. & Tech., YMCA, Faridabad
- **Organised** Ten days Value added course on Vedic Mathematics from 18-28 October 2021 as **Coordinator** at J. C. Bose University of Sc. & Tech., YMCA, Faridabad

- **Organised** Two days **Workshop on Recent trends in Complex Analysis** from 9-10 February 2022 sponsored by **Haryana State Council for Science, Innovation and Technology (HSCSIT)** as **Co-coordinator** at J. C. Bose University of Sc. & Tech., YMCA, Faridabad

Extra Activities

- NSS Program Officer.
- NSS during university period.
- Participated in Sports, Quiz, GD, Debate.
- Organized different academic functions.
- Having NCC –A certificate.
- Organized First Aid training as NSS Program officer.

Hobbies:

- To love and live in nature.
- Participation in Tree plantation camps.
- To collect currency of a particular number.

My Assets:

- Honest & Responsible.
- Energetic & Power of Quick Understanding.
- Confident & Hardworking.

Place: Faridabad
Date: 14/04/2025



Parveen Kumar