

## FACULTY PROFILE



**NAME:** DR. Kailash Kumar Dewangan  
**DESIGNATION:** Asstt. PROFESSOR  
**DEPARTMENT:** MATHEMATICS  
**Institution:** Govt. Digvijay Autonomous PG College, Rajnandgaon  
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### OVERVIEW:

	Subject/Title for PhD	Year	From (University)
Graduation	B.Sc.	1988	Pt.RSU, Raipur, C.G.
Post-Graduation	M.Sc. (Mathematics)	1990	Pt.RSU, Raipur, C.G.
Ph.D.	Mathematics Title: A Study of Certain Class of Nonlinear Operators	March 2003	Pt.RSU, Raipur, C.G.

### TEACHING EXPERIENCE:

1. UG - 29 yrs
2. PG - 18 yrs

### COURSES TAUGHT:

1. PDE and Mechanics, M.Sc. Final (Mathematics)
2. Advanced Discrete Mathematics, M.Sc. Previous (Mathematics)
3. Algebra and Trigonometry, B.Sc. Part I
4. Mechanics, B.Sc. Part II
5. Discrete Mathematics, B.Sc. Part III

#### **ADDITIONAL RESPONSIBILITIES:**

- a. Convener, NAAC, Govt. Digvijay Autonomous P.G. College, Rajnandgaon  
Nodal officer of All India Survey on Higher Education (AISHE)
- b. Convener, Income Tax Committee, Govt. Digvijay Autonomous P.G. College,  
Rajnandgaon
- c. Convener, Purchase Committee, Govt. Digvijay Autonomous P.G. College,  
Rajnandgaon
- d. Master Trainer in Assembly Election of Khairagarh, March 2022
- e. Member of Inspection Committee, Govt. Naveen College, Salhewara.
- f. CGPSC Confidential Work
- g. Committee member for Guidance NAAC Valuation at Royal College,  
Rajnandgaon dated 07.09.2022.
- h. Chairman, External Audit committee to evaluate Academic Activities, Govt.  
LCS College, Ambagarh, Chowki date 09.01.2023
- i. Observer, Research and Development Activities of College and providing  
guideline to Ph.D. guides at Sai College, Bhilai date 13.05.2023

#### **PUBLISHED PAPERS:**

1. Paper published entitled “Fixed Point Approximation of Modified k-iteration Method  
in CAT(k) space”, Journal of Mathematical Extension, 17 (1) (2023), 1-13.
2. Paper published entitled “Computation of optimal solution of certain problem through  
fixed point algorithm” in International Journal of Management Technology and  
Engineering, Volume XII, Issue IX, September 2022, ISSN No. 2249-7455
3. Fixed Point Theorems for modified F-contraction Mappings, IJMA 12(5) (2021), 17-22.

#### **BOOK CHAPTERS:**

1. Book Chapter published in Role of Applied Sciences in Social Implications,  
Volume D ISBN 78-81-959977-0-1

#### **MINOR RESEARCH PROJECTS (COMPLETED AND ONGOING):**

1. Investigator of Minor Research Project entitled “Application of Mathematics in  
different areas of Science” of Autonomous examination Cell, Govt. Digvijay  
Autonomous P.G. College, Rajnandgaon, Session 2017-18.

#### **INSTITUTIONS WORKED IN:**

1. Department of Mathematics, Govt. LCS College, Ambagarh Chowki , Chhattisgarh (20.07.1994 to 28.11.2005)
2. Department of Mathematics, Govt. Digvijay Autonomous P.G. College, Rajnandgaon, Chhattisgarh (From 29.11.2005 to till date)

#### **LINK OF YOUTUBE CHANNEL:**

1. <http://www.youtube.com/@kailashkumardewangan5757>

#### **Paper Presented in Seminar/ Conference:**

##### **National:**

1. National Seminar on Recent Advances in Physical Sciences during 18-19 Nov. 2019 at Govt. Kamladevi Rathi Girls College, Rajnandgaon, Chhattisgarh.
2. Mathematical Modelling” in National Seminar on Recent Trends and Development in Science and Humanity during 13-14 Jan. 2019 at Govt. E. Raghvendra Rao P.G. Science College, Bilaspur, Chhattisgarh.
3. Govt. College Rajim - Research Paper Presentation on National Seminar, 5/12/15
4. Govt. College Dongargaon - Research Paper Presentation on National Seminar, 22-23 Jan 2016

##### **International:**

1. Delivered an oral presentation in International Conference entitled “Compatible Mapping of Type (A) and Common fixed points” held on 6-8 Feb 2023 organized by Faculty of Science, Govt. Digvijay College, Rajnandgaon
2. “Strong convergence theorem for accretive non self mapping with Application” in International Conference on Mathematical Science and Applications during 23-25 Feb. 2017 at Guru Ghasidas Vishwavidyalaya, Bilaspur , Chhattisgarh

#### **ORIENTATION / RFRESHER COURSE ATTENDED:**

1. Orientation Program, 04.03.1998 to 29.03.1998, Rani Durgavati University, Jabalpur
2. Refresher Course, 15.07.1998 to 04.08.1998, Devi Ahilya Bai University, Indore
3. Refresher Course, 09.09.2003 to 30.09.2003, AMU, Aligarh

4. Refresher Course, 19.11.2004 to 09.12.2004, Madras University, Chennai

**FDP ATTENDED:**

1. Participated in 7 Days Faculty Development Programme held from 10-17 December 2022 organized by Department of Computer Science/Application and IQAC Cell of Govt. Digvijay Auto. P.G. College, Rajnandgaon.
2. Participated in National one week Faculty Development Program “ICT Tools for Effective Teaching Learning” from 23 May to 28 May 2022 organized by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur, Maharashtra
3. Online 7 Days Faculty Development Program during 4-10 March 2021 organized by Govt. Digvijay Auto. P.G. College, Rajnandgaon

**SEMINAR/ WORKSHOP/ CONFERENCE/ WEBINAR ATTENDED**

1. Participated in the 3 Days National Level Webinar on “Conservation of National Resources and Sustainable Development” from 3 June to 5 June 2022 organized by Govt. Digvijay College, Rajnandgaon
2. Participated in the 3 Days National Level Webinar on “Current and Emerging Trends in Computer Technology” from 2 June to 4 June 2022 organized by Department of Computer Science and Application of Govt. Digvijay College, Rajnandgaon
3. Participated in the one week National Level Workshop on “New NAAC Accreditation framework and Awareness” during 7.6.22 to 15.6.22 organized by IQAC, Govt. Digvijay College, Rajnandgaon with Arts and Science College, Nachangaon, Pulgaon (M.S.)
4. Participated in the 5 Days National Level Workshop on “Basics of Research Methodology” 7.6.22 to 11.6.22 during organized by Govt. Digvijay College, Rajnandgaon in collaboration with Indira Kala Sangeet Vishwavidyalaya, Khairagarh
5. Participated in National Workshop on NAAC Valuation in Kalinga University, Raipur, dated 11.06.2023.
6. Participated in one day workshop on “Research Paper Writing and Publication” on 20 October 2022 organized by Research Committee and IQAC of Govt. Digvijay College, Rajnandgaon
7. Participated in two days National Seminar on “Muktibodh ka Sahitya: Yugbodh and Pravartiya” on 12-13 Nov. 2022 organized by Govt. Digvijay College, Rajnandgaon

8. **Workshop on All India Survey on Higher Education organized by Hemchand Yadav University, Durg on 28 December 2021**
9. **Workshop on “Computer Training for College Staff (Teaching and Non-teaching)” during 07-14 Dec. 2018 at Govt. Digvijay Auto. P.G. College, Rajnandgaon.**
10. **Workshop on “Science Kit Making Workshop” during 13-14 December, 2018 held on Regional Science Centre, (National Council of Science Museums, Ministry of Culture, Govt. of India), Bhubaneswar, Odisha, India.**
11. **Workshop on “Computer Training for College Staff (Teaching and Non-teaching)” during 22-27 Dec. 2018 at Govt. Digvijay Auto. P.G. College, Rajnandgaon.**
12. **National Seminar On “The Usefulness of Thoughts of Pt. Deen Dayal Upadhyaya in Present Scenerio ” during 20-21 Dec. 2017 at Govt. Digvijay Auto. P.G. College, Rajnandgaon, Chhattisgarh**
13. **National Seminar On “Cryptography and Network Security ” during 05-06 Oct. 2017 at Govt. Nagarjuna P.G. College, Raipur, Chhattisgarh**
14. **Workshop on “ Karyalayeen Hindi – Swaroop evam Vishestayen” on 6<sup>th</sup> October 2017 at Govt. Digvijay Auto. P.G. College, Rajnandgaon, Chhattisgarh.**
15. **Workshop on “Innovation in examination Reform under scheme of Autonomy “on 03 Feb 2018.**
16. **Kalyan Mahavidyalaya BhilaiNagar- Participated in national Workshop, 8-9 Feb 2016**
17. **PRSu, Raipur- Participation in RUSA Workshop, 4/3/2016**

**CHAIRPERSON IN SEMINAR/ CONFERENCE/ WORKSHOP:**

1. **In International conference organized by Govt. Digvijay College, Rajnandgaon invited as Chair Person in Technical Session.**

**PROGRAM ORGANIZED:**

1. **Convener of “National Mathematics Day 2022” sponsored by Chhattisgarh Council of Science and Technology, Raipur and National Council of Science and Technology Communication (NCSTC), DST, Govt. of India, New Delhi.**
2. **Co-Convener in Value Added Certificate Course “Scientific Document Preparation using LATEX” during 01 September to 20 September 2022 organized by Department of Mathematics Govt. Digvijay College, Rajnandgaon**
3. **Co-Convener of National Webinar “Advances in Pure and Applied Mathematics” organized by Department of Mathematics, Govt. Digvijay Auto. P.G. College, Rajnandgaon held on 17-18 September 2021.**

4. Co-Convener of Value Added Course “Scientific Document Preparation Using LATEX” organized by Department of Mathematics, Govt. Digvijay Auto. P.G. College, Rajnandgaon held on 20 October 2021 to 24 November 2021.

#### **INVITED TALK:**

1. Workshop on NAAC Valuation, Govt College, Thelkadeeh on 24.11.2022.
2. Workshop on Career Guidance on 24.02.2022 at Govt. College, Dongargaon
3. Guest Lecture on “Importance and Usefulness of Mathematics in Practical Life and Competitive Examination” on 05.02.2021 at Govt. College, Dongargarh.
4. Guest Lecture on “Principles of Virtual Work and Jacobian” on 09.11.2021 at Govt. Kamladevi Rathi Girls PG College, Rajnandgaon.
5. “Carrier in Mathematics” in National Seminar on Recent Developments in Mathematics during 14 Feb. 2020 at Govt. B.S.B.A. P.G. College, Dongargaon, Chhattisgarh.
6. “Science for Humanity” in National Seminar on Recent Trends and Development in Science and Humanity during 13-14 Jan. 2019 at Govt. E. Raghvendra Rao P.G. Science College, Bilaspur, Chhattisgarh.
7. Govt. College Ambagarh Chowki- Subjet Expert Lecture on National Workshop, 29/01/16
8. Govt. College Dongargaon – Guest Lecture on Mathematics, 17/10/2015
9. Govt. College Dongargaon – Subject Specialist lecture on National Seminar, 23 Jan 2016

#### **MEMBER OF PROFESSIONAL BODIES:**

1. Life Time Member of Indian Mathematical Society.

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