


## RIE BHOPAL, Faculty Profile (Last five years from 2019-2025)

<b>Full Name:</b>	Dr. Ashwani Kumar Garg			
<b>Designation:</b>	Associate Professor in Mathematics (With effect from June, 2018)			
<b>Department:</b>	Department of Education in Science and Mathematics			
<b>Official Address:</b>	Room No. 60 Regional Institute of Education, Bhopal- 462002			
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<b>Email:</b>	Email: <a href="mailto:ashwanimathematics@gmail.com">ashwanimathematics@gmail.com</a>			
<b>Education Qualification:</b>	M.Sc. (Mathematics), M.Ed. (RIE), Ph.D. (Mathematics), Ph.D. (Education) and Post Graduate Diploma in Computer application			
<b>Teaching Experience:</b>	17 Years	<b>Research Experience:</b>	30 Years	
<b>Academic Identity:</b> (i) ORCID Id with web link  (ii) Scopus Author Id with web link  (iii) Researcher Institutional ID with web link  (iv) Google Scholar Id with web link  (v) Vidwan Id: with web link  (vi) Research gate Id with web link				
<b>Research Interest and Fields of Specialization</b> Mathematics, Mathematics Education and Education				
<b>Member of Academic Institutions (Board of Studies / Research Degree Committee/School Board)</b>  <b>Present/ Past</b> <ul style="list-style-type: none"> <li>Member of State Board of Teacher Education, Govt. of M.P.</li> <li>Nominated Member of Rayal College of Education, Mandasaur, under Vikram Vishwa vidhyalay, Ujjain. By University order No. 847, dated 22/9/21</li> </ul>				

### 1. Membership of different Organizations

- Member of State Board of Teacher Education, Govt. of M.P.
- Nominated Member of Rayal College of Education, Mandasaur, under Vikram Vishwa vidhyalay, Ujjain. By University order No. 847, dated 22/9/21

### 2. Research Supervision

(No. of Ph.D. Degree Awarded    **12**    and Registered **04**)

(Number of M.Phil awarded in    **Nil**    )

### **3. Research Projects (Completed and ongoing with title, type, fund allocated, duration and name of the funding agency)**

Coordinated block level research major project entitled Implementing Interventions at School Stage: A Block Level Research Project and published the following reports with ISBN-

- i. Learning Level of Elementary School Students in Ichhawar Block -2018 (Baseline Analysis)- ISBN:978-93-87463-80-6 (PAC Funded Major Project)
- ii. Learning Level of Elementary School Students in Ichhawar Block -2019 (A Trends Analysis of 2017-18 and 2018-19)- ISBN:978-93-87463-69-1(PAC Funded Major Project)
- iii. Learning Level of Elementary School Students in Ichhawar Block (A Trends Analysis of 2017-18, 2018-19 and 2020)- ISBN:978-81-952542-4-8(PAC Funded Major Project)
- iv. Learning Level of Secondary and Senior Secondary School Students in Ichhawar Block -2020 (Baseline Analysis)- ISBN:978-81-952542-9-3(PAC Funded Major Project)
- v. Rapid Assessment of Implementation of Online Education in the State of Madhya Pradesh during COVID-19 Pandemic Period (CIET, New Delhi Funded Project)
- vi. National Rapid Assessment of Implementation of Online Education in India during COVID-19 Pandemic Period, Conducted by CIET, New Delhi
- vii. Study of Strengths, Weakness, Opportunities and Challenges (SWOC) of Technology, Pedagogy and Content (TPAC) Integration of Madhya Pradesh (M.P. Govt. Funded Project)
- viii. Effectiveness of Alternative Teaching-Learning strategies during COVID-19 pandemic(PAC Funded Project)
- ix. Mid Term Assessment of Implementing in Interventions at the school stage: A Block Level Research Project (PAC Funded Project)

### **4. Administrative Experience** **30 years**

- **Assistant Manager (Planning & monitoring)**, Rajya Shiksha Kendra, Govt. of M.P., Bhopal from October 1995 to May 1998
- **Deputy Manager (Competency & Research)**, Rajya Shiksha Kendra, Govt. of M.P., Bhopal, From May 1998 to May 2002
- **Lecturer in Management Information System**, State Institute of Educational Management and Training (SIEMAT), Uttar Pradesh, Prayagraj (U.P.)-211002, from June ,2002 to June,2006.
- Warden
- Deputy Chief Warden
- Chief warden since 3/10/2019 to till date
- Chief Advisor Student Council
- Incharge Mathematics Section Since 2015 to till date
- Programme officer NSS since 25/10/2012 to July 2024
- Coordinator Red Ribbon Club Since July, 2013 to till date.
- State coordinator of Madhya Pradesh for coordinating the state level academic meeting of PAC and other meetings.
- Member of Anti Ragging Squad
- Member of Proctorial board
- Convenor of Alumni Association

- Member of Green Committee.
- Member of Career Counseling and Placement Committee

## **5. Scientific Visits Abroad/ International Collaboration**

- Educational visit to Sri Lanka organized by European Commission-26th Aug. to 6th Sept. 2001, and presented a paper in National Seminar on School based management and Pedagogy.
- participated in the International Workshop on "Successful School Management" organized from 15 to 18 December, 2003 by ANTRIP at Kathmandu(Nepal)..

## **6. Conference/Symposium/Workshop Attended during (2019-2025)**

- **Chaired the Session on** 7<sup>th</sup> National Conference on Mathematics Education, 20-22 December, 20018, National Council of Educational Research and Training, New Delhi
- **Co-chaired the Session on** National Seminar on Learning Outcomes: Best Pedagogical Practices, From 7 to 9 March, 2019, Regional Institute of Education, NCERT, Ajmer
- **Chaired the session on** National Seminar on Emerging Trends and Issues in Learning Assessment at School Level, from 24-26 November, 2020, organized by, RIE, NCERT, Bhopal
- **Chaired the session on** 9<sup>th</sup> National Conference on Mathematics Education, from 20 to 22 December, 2020, Organized by, RIE. NCERT, Bhopal
- **Co-Chair the session on** National Conference on “Integration of STEAM in School Education”, from 26 to 28. February, 2021, organized by, RIE, NCERT, Bhopal
- **Co-Chair the session on** National Conference on Teacher Education in the 21<sup>st</sup> Century: Vision and Action, from 8 to 10 March, 2021, Organised by, RIE, NCERT, Bhopal
- **Conducted** 9<sup>th</sup> National Conference on Mathematics Education as Coordinator
- **Chaired the session on** 10<sup>th</sup> National Conference on Mathematics Education
- **Co-Chair the session on** 11<sup>th</sup> National Conference on Mathematics Education
- **Chair the session on** 12th national conference on mathematics education
- **Co-chair the session on** National conference on recent advances in Science Education
- **Chair the session on** National conference on Adolescent education for Viksit Bharat Issues, challenges and concerns
- **Chair the session on** National Conference on recent advances in interdisciplinary science-2025
- **Paper Presented:** A Study on some Characteristics of Mi-Projective and Mi-Injective Modules, International Webinar on Recent Trends in Mathematics Science, Organized by Govt. Arts and Science P.G. College Ratlam (M.P.) from 6 to 7 August, 2020
- **Paper Presented:** Establishment of Some Ideas of Torsion of R homomorphism through Homology Group, paper presented in 9<sup>th</sup> National Conference on Mathematics Education, organized by, RIE, NCERT, Bhopal, from 20<sup>th</sup> to 22<sup>nd</sup> December, 2020
- **Paper Presented:** Teaching Environment Science to Art Integrated Learning, International Conference on Emerging Trends and Innovation in School Science, From 6 to 8 February, 2019 Regional Institute of Education, NCERT, Bhopal
- **Paper Presented:** Integrating art and play in teaching of Elementary Mathematics, 7<sup>th</sup> National Conference on Mathematics Education, 20-22 December, 20018, National Council of Educational Research and Training, New Delhi
- **Paper Presented:** Aspirational Districts and Block Level Research, National Seminar on Learning Outcomes: Best Pedagogical Practices, From 7 to 9 March, 2019, Regional Institute of Education, NCERT, Ajmer

- Paper Presented: Use of ICT in Teaching in Mathematics, National Seminar on ICT Integration in Education and Learning Analysis, From 15 to 17, March, 2019, Regional Institute of Education, NCERT, Bhopal
- Paper Presented in National Conference on Recent Application of Applied Science. Topic was An Analytical Approach to understand Projective, Injective and Flat Module, organized by Govt. College Satnali, Mahendergarh & Society of Scientific Research and Education on 7<sup>th</sup> June, 2020

**7. A) Research Papers Published in Journals last six years (2019-2025)  
(Include H-Index, i10 Index and total No of Citation as Per Scopus/Google Scholar):**

The format of Publication details should include: Authors Name (as appeared in the journal), Title of the Paper, Name of the Journal with ISSN no, Volume, Page No, DOI:\_\_\_, Year of Publication, Publisher Name, Country of Publication, Indexed, in: Scopus/Web of Science.

1.	Research Papers published	Journals
i.	A study of Learning difficulties in Mathematics of class 6 <sup>th</sup> students in M.P.; Volum-III, July-Sept. 2018 International Journal of, Bhopal, ISSN-2347-5897	Referred Journal
ii.	Study of Common Mistakes in Mathematics Committed by Students of Upper Primary Level. Naveen Samajajik Shodh, International Monthly Research Journal, May, 2018, RNI: MPHIN/2009/29572, ISSN: 0975-4431	
iii.	कला समेकित शिक्षण: आनंददायी शिक्षण; 'अधिगम', राज्य शिक्षा संस्थान, उ.प्र., प्रयागराज, अगस्त, 2018, ISSN 2394-773X and UGC listed	UGC listed
iv.	हाई स्कूल स्तर में अध्ययनरत विद्यार्थियों की बेस्ट ऑफ फाइव पद्धति के अंतर्गत गणित विषय के प्रति रुचि का अध्ययन, Volum 1, Jan.-March, 2018 International Journal of Bhopal, ISSN-2347-5897	Referred Journal
v.	पूर्व माध्यमिक विद्यालयों में कार्यरत शिक्षकों की कार्य संतुष्टि एवं शैक्षिक अभिवृत्ति का अध्ययन, July-Sept. 2018 International Journal of, Bhopal, ISSN-2347-5897	Referred Journal
vi.	Impact of Intervention at the School Stage: Learning Level of Students in Ichhawar Block (A Trend Analysis of 2017-2018), RIE BHOPAL JOURNAL OF EDUCATION(A bi-annual refereed Journal, RIE, NCERT, Bhopal, Vol-2 issue-II, January-June 2019, ISSN-2582-0621	Refereed Journal
vii.	छोटी-बड़ी संख्या की समझ, 'अधिगम', राज्य शिक्षा संस्थान, उ.प्र., प्रयागराज, दिसम्बर 2019, ISSN 2394-773X and UGC listed	UGC listed
viii.	गुणवत्ता प्रबंधन में विद्यालय प्रशासन एवं प्रबंधन । नवीन सामाजिक शोध, नवम्बर, 2019, RNI: MPHIN/2009/29572, ISSN: 0975-4431	International Refereed Research Journal
ix.	संख्या एवं उसके स्थानीयमान की समझ, प्राथमिक शिक्षक, अप्रैल, 2020, एन.सी. ई.आर.टी., नई दिल्ली, ISSN: 0970-9312	NCERT, Journal
x.	A study on Strongly U-Flat Modules over Matlis Doman, Online Peer Reviewed Research Journal of Mathematics, JUSPS_A Vol.32(5), 47-53). ISSN: 2231-346X	Peer Reviewed
xi.	An Analytical Approach To Understand Projective, Injective and Flat Modules, International Journal of Latest Trends in Engineering and Technology, Vol(16) issue(1). Pp.048-053, e-ISSN: 2278-621X	Peer Reviewed
xii.	A Study on Some Characteristics of Mi-Projective and Mi-Injective Modules, Sambodhi, UGC Care Journal, Vol-43 No.4 (VII) October-December 2020, ISSN: 2249-6661	UGC Care Journal

xiii.	A Study and Generalization of Some Characteristics of Quasi Weakly Projective and Quasi-Weakly Injective Module, Sambodhi, UGC Care Journal, Vol-44 No.1 (IV) 2021, ISSN: 2249-6661	UGC Care Journal
xiv.	An Analysis and Generalization of Some Properties of Strongly U-Projective Module and Strongly U-injective Modules, UGC Care Journal, Journal of the Maharaja Sayajirao University of Baroda, Volume-55 No.1 (VI) 2021, ISSN:0025-0422	UGC Care Journal
xv.	Relevance of fundamental Duties of a Teachers I to Ensure Skill based Teaching in English Language Education. नवीन सामाजिक शोध, मई, 2018, RNI: MPHIN/2009/29572, ISSN: 0975-4431	International Refereed Research Journal
xvi.	निःशुल्क और अनिवार्य बाल शिक्षा अधिकार अधिनियम, 2009 के प्रति विद्यालयों के प्रधानाध्यापकों एवं शिक्षकों के दृष्टिकोण तथा विद्यालय में भौतिक संसाधनों, बच्चों के नामांकन एवं ठहराव में हुई प्रगति का अध्ययन, अलोचना त्रैमासिक, ISSN, 2231-6329, UGC-CARE Listed Group-I	UGC Care Journal
xvii.	Study of Learning Achievement in Mathematics of Upper Primary Students residing in Slums of Maharashtra, RIE BHOPAL Journal of Education, Vol-4 issue –I July-December, 2020, ISSN, 2582-0621	NCERT Journal
xviii.	A study and generalization of some characteristics of Quasi weekly project and quasi-weakly injective modules.	UGC care Journal Sambodhi ISSN: 2249-6661, Vol-44 No-1(II):2021
xix.	Learning Levels of Secondary and Senior secondary school students in the adopted block of NCERT: Baseline Analysis, RIE, Bhopal Journal of Education	ISSN:2582-0621
xx.	झुग्गी बस्तियों में रहने वाले कक्षा 6 के विद्यार्थियों द्वारा गणित के प्रश्नों को हल करने में की जाने वाली गलतियों का अध्ययन	UGC care Journal Sambodhi ISSN: 2994-773
xxi.	Study of Strengths, Weakness, Opportunities and Challenges of Technology use in the school of M.P.,	RIE, Journal, Bhopal
xxii.	Learning Achievement of Elementary School Students of Ichhawar Block of Madhya Pradesh: A trained Analysis	Indian Education, NCERT, New Delhi Vol.XLVII, Number 04
xxiii.	Study of Learning Achievement in Mathematics of Upper Primary Students residing in Slums of Maharashtra, RIE BHOPAL Journal of Education, Vol-4 issue –I July-December, 2020, ISSN, 2582-0621	NCERT Journal

## B) ARTICLES PUBLISHED IN THE EDITED BOOK

Proceeding of the 9<sup>th</sup> National conference on Mathematics Education (NCME 2020) and published. ISBN No.: 978-81-952542-3-1

## C) PAPER PUBLISHED (IN CONFERENCE PROCEEDING with ISSN Number)

Proceeding of the 9<sup>th</sup> National conference on Mathematics Education (NCME 2020) and published. ISBN No.: 978-81-952542-3-1

**D) PUBLICATION OF BOOKS (Both as Authored and Edited)**

1. Book Published: Inclusive Education: Teaching Mathematics for visual Impaired children  
ISBN:978-93-87463-61-5
2. Book Published: “Khle-Khel me Ganit” 2023, ISBN:978-81-957603-4-3

**E) PREPARATION OF STUDY MATERIAL**

**F) EDITORSHIP OF RESEARCH JOURNAL**

**G) MOOCs**

- i. Class III place value-I
- ii. Class III place value-II
- iii. Class III Fun with number
- iv. Class III Shapes and Design
- v. Class III play with pattern
- vi. Class VII number system

**8) ORGANIZATION of SEMINAR/WORKSHOP/FDP/TRAINING PROGRAM**

	<b>Development</b>	
i.	Development of Science Park	Co-Coordinator
ii.	Maintenance of Studio and Development of E-content	Coordinator
iii.	Review of textbook of Mathematics for class 1 to 5 from 22 to 26 February, 2021 organized by DEE, NCERT, New Delhi	Resource person
iv.	NCERT class III and VII Mathematics books Content developed in RIE Studio and send to CIET, New Delhi (15 e-Content Developed)	Resource Person
	Maintenance of studios and development of e-content in mathematics at school level. (2020-21)	Coordinator and RP
	Development of Science Park. (2020-21)	Co-coordinator and RP
	शाला सिद्धि 'हमारी शाला कैसी हो' की मार्गदर्शिका का संक्षेपीकरण (2020-21)	Resource Person
	To review of the test book to NCERT based on NEP 2020	Resource Person
	Development of Innovative course in Science Education (Maths, Phy., Chemi., Bot., Zoo.,) for leading the post-graduation course. (2022-23)	Convener
	Development of Science Park (2022-23)	Co-Coordinator & RP
	Mathematics Induction Training Module for Sec. Level (2022-23)	Coordinator
	Maintenance of Studio, Development of E-content (2022-23)	Coordinator
	Development of Mathematics Practical Laboratory Manual as per ITEP Syllabus (2024-25)	Coordinator & RP
	Development of Science Park (2024-25)	Co-Coordinator & RP
	Development Virtual Lab Training material for MP State level master trainers training (2024-25)	Co-Coordinator & RP

	Development the ICT Training manual for Secondary school teachers (2024-25)	RPs
	Development the ATL Training Module (2024-25)	Co-Coordinator & RP
	<b>Training</b>	
i.	Capacity Building of Teachers Working in Tribal Concentrated Areas of Madhya Pradesh on the Use of NCERT Mathematics Kit at Elementary Stage	Coordinator and Resource Persons
ii.	Certificate Course in Pre School Education 2020, Organized by, NERIE, NCERT, Shillong	Resource Persons
iii.	Organization of Capacity building programme for the teachers (Level-1) of Hurda block for the block level study to attaining level specific Learning Outcomes (Los) in virtual mode. Principal Ajmer letter 1785, dated 8 Dec, 2020	Resource Person
iv.	Taken 9 on line classes in different topics on SWAYAM Prabha Channel-31	Resource Person
	Capacity Building of Teachers Working in Tribal Concentrated Areas of Madhya Pradesh on the Use of NCERT Mathematics Kit at Elementary Stage(2020-21)	Coordinator and Resource Person
	Certificate Course in Pre School Education 2020, Organized by, NERIE, NCERT, Shillong(2020-21)	Resource Persons
	Organization of Capacity building programme for the teachers (Level-1) of Hurda block for the block level study to attaining level specific Learning Outcomes (Los) in virtual mode. Principal Ajmer letter 1785, dated 8 Dec, 2020	Resource Person
	Taken 9 on line classes in different topics on SWAYAM Prabha Channel-31(2020-21)	Resource Person
	Training programme on Secondary level mathematics (2022-23)	Coordinator & RP
	Training programme on Senior Secondary level CM Rise mathematics training(2022-23)	Coordinator & RP
	Training programme for Aganwadi Workers(2022-23)	Coordinator & RP
	Certificate course in ECCE at NCERT, Shillong(2022-23)	RP
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#### 9) Other Information if any

**Received Ramanujan Award 2023 given by All Indi Ramanujan Mathematics Club on 30/12/23 for popularizing Maths, VIPNET (Vigyna Prasara) Govt. of India No. VP-GJ0016, VPGJ-0158**