

RKDF University, Bhopal
Faculty Profile



Basic Information				
Name	Dr Hemant Rajoriya			
Date of Birth	25-10-1986			
Designation	Assistant Professor			
Department	Vedica College of B. Pharmacy, RKDF University Bhopal M.P.			
Experience	08 Years			
Email ID	hemantrajoriya25@gmail.com			
Contact No	9039422641			
Educational Qualifications			Educational Qualification	
Description	Year	%	University	
(UG)- B. E. (Electronics and Communication Engineering)	2009	75	Rajiv Gandhi Proudयोगiki Vishwavidyalaya, Bhopal M.P.	
(PG)- M. Tech. (VLSI)	2017	80	RKDF University, Bhopal M.P.	
M. Phil.	NA	NA		
(Ph. D.) - Electronics and Communication Engineering	2024	Awarded	RKDF University, Bhopal M.P.	
Post Doctorate	No	-	-	
NET Qualified/GATE	-	-	-	
Experience Detail				
Experience (Teaching/Research)	Designation	Duration		Name of Institute/University
		From	To	
Teaching	Lecturer	01/07/201 3	30.06.2014	INSTIUTTE OF POLYTECHNIC ENGG, Bhopal (M.P)
Teaching & Research	Assistant Professor	01.07.201 7	31.05.2024	INSTIUTTE OF POLYTECHNIC ENGG, Bhopal (M.P)
Teaching &	Assistant	28/06/202	Till date	RKDF University, Bhopal

Research	Professor	4		(M.P)
Publications				
No. of Papers Published (Attach Annexure of papers published in peer-reviewed or refereed journals)		06		
No. of Books Published		Nil		
Books Chapters Published (Provide print of 1st Page of Book)		Nil		
No. of Patents Published/Grant		Nil		
Ph. D/M. Phil Project supervised				
Research Program	Award	Under Supervision	Name of University	
Ph. D (Provide detail i.e. name, title etc)	Nil	Nil	RKDF University Bhopal	
M. Phil	Not Applicable	-	-	
PG Thesis/Dissertation	-	-	-	
Area of Expertise (100 words)				
Involve in teaching and research related IOT, area of research includes Wireless Communication and Networking, Optimization and Resource Management, Data Trafficking, Learning for Data Reconstruction				
Award and Achievement				
Name of Award		Description (With certified of Copy award)		
National		Nil		
International		Nil		
Conference/Seminar/Workshops/FDP				
Description		No.		
Conference/Seminar paper presentation		Attended 02		
Conference/Seminar attended/ organized				
Work shop attended/ organized		Attended Nil		
FDP Attended/ organized		Attended 01		

Research Project		
Name of Project	Funding Agencies	Amount
Nil	Nil	Nil

- Any other Achievement

List of Research Publications:

1. **Hemant Rajoriya** and Balajee Sharma (2024) A Comprehensive Review of Deep Compressive Sensing for Efficient IoT Data Management. *Trends in Electrical Engineering*, 14(03). <https://journals.stmjournals.com/tee>

2. **Hemant Rajoriya** and Balajee Sharma (2024) Deep Learning-Enhanced Compressive Sensing for Wireless IoT Data Optimization and Weather Monitoring. *International Journal of Satellite Remote Sensing*, 02(02). <https://journals.stmjournals.com/ijsrs>

3. **Hemant Rajoriya** and Balajee Sharma (2024) Innovative Approaches to Reducing Data Traffic in IoT Networks Using Deep Learning and Compressive Sensing. *International Journal of Satellite Remote Sensing*, 02(02). <https://journals.stmjournals.com/ijsrs>

4. **Hemant Rajoriya** and Ritesh Sadiwala (2022) Deep compressive sensing and reconstruction algorithm in wireless Internet of Things. *Journal of Integrated Science & Technology*, 11(02). <https://pubs.thesciencein.org/journal/index.php/jist/article/view/487>

5. **Hemant Rajoriya** and Ritesh Sadiwala (2023) Data Traffic Reduction in Wireless Internet of Things Using Deep Compressive Sensing and Reconstruction Algorithm SAMRIDDHI : *A Journal of Physical Sciences, Engineering and Technology*, 15(01). <https://smsjournals.com/index.php/SAMRIDDHI/article/view/3102>

6. **Hemant Rajoriya** and Sachin Bandewar (2017) Design and Implementation of Low Power and Area Efficient Full Adder Using Modified

GDI Technique. *International Journal of Technology Research and Management*, 04(08).

<https://www.ijtrm.com/PublishedPaper/4Vol/Issue8/2017IJTRM820179128-5e75d72a-f624-4cd9-8025-a9e1c3e1d0b950238.pdf>