

Research Experience in Years : 11 years					
No of Research Scholars Successfully Guided					
Name of Programme		Awarded		Under Supervision	
Ph.D.				05	
Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
	atulkingpin@gmail.com	0000-0001-6970-7918	atulkingpin@gmail.com		atuls@mjpru.ac.in
Teaching Experience (Subjects/Courses Taught): 18 Years					
<p>SUBJECTS TAUGHT:</p> <p>NETWORK ANALYSIS & SYNTHESIS, POWER PLANT ENGINEERING, BASIC ELECTRICAL ENGINEERING, ELEMENTS OF ELECTRICAL ENGINEERING, ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS, CONTROL SYSTEM, DIGITAL & NON LINEAR CONTROL SYSTEM, HIGH VOLTAGE ENGINEERING, INSTRUMENTATION, SWITCHGEAR & PROTECTION, ELECTRICAL MACHINE-I, POWER SYSTEM OPERATION & CONTROL, BIO MEDICAL INSTRUMENTATION, NON CONVENTIONAL ENERGY SOURCES.</p> <p>TOTAL: 14</p>					
<p>LABORATORY COURSES:</p> <p>BASIC ELECTRICAL ENGINEERING LAB, SWITCHGEAR & PROTECTION LAB POWER SYSTEM LAB, PROJECT-I LAB, PROJECT-II LAB, ELECTRICAL MACHINE-I LAB, NETWORK ANALYSIS LAB, ELECTRICAL MEASUREMENT LAB, CONTROL SYSTEM LAB, POWER ELECTRONICS LAB.</p> <p>TOTAL: 10</p>					
Honours / Awards & Fellowship FOR OUTSTANDING WORK:					
Name of Award/ Fellowship	Awarded By				
	Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body		
Excellence in Academics Award			Research Education Solutions, Government of India Enterprise		
Remarkable Contribution	MJP Rohilkhand				

in Higher Education		University, Bareilly							
GOLD MEDAL (2004)		SRMSCET, BLY							
BRONZE MEDAL (2004)		SRMSCET, BLY							
GOLD MEDAL (2017) (Badminton)		MJPRU, BLY							
GOLD MEDAL (2018) (Badminton)		MJPRU, BLY							
SILVER MEDAL (2019) (Tug of War)		MJPRU, BLY							
GOLD MEDAL (2019) (Volley Ball)		MJPRU, BLY							
GOLD MEDAL (2020) (Volley Ball)		MJPRU, BLY							
GOLD MEDAL (2020) (Tug of War)		MJPRU, BLY							
GOLD MEDAL (2023) (Cricket)		MJPRU, BLY							
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	4	Research Papers Published in International Journals		Papers Presented in Seminars/ Conferences	4	Seminars/ Conferenc es Organized	4	Research Projects (Complete d)	-
Books (Co-authored)	2	Research Papers Published in Other Journals		Seminar/ Conferences Attended	47	Workshop s Organized	15	Research Projects (Ongoing)	1
Books (Edited)	-	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	-	Membersh ip of Academic/ Profession al Bodies	-	Foreign Countries Visited for Academic Assignmen ts	-
Chapters in Edited Books	5			Resource Lectures Delivered	5				

Details of Publications /Academic Activities (2010 Onwards)

(a) Authored Books/ Monographs

Name of Book	Year of Publication	Publisher	ISBN No
Generation of Energy and Wind Turbines	2014	Neetika Prakashan	978-81-88465-54-5
Automation of Unmanned Railway Crossing	2019	Neetika Prakashan	978-81-88465-55-2
Fully Automatic Distant Surveillance and Control System	2019	Punya Prakashan	978-93-82004-33-2
Collision & Derailment Avoidance System for Locomotives	2019	Weser Books, Germany	978-3-96492-322-6
Solar Energy: Fundamentals, Design, Modelling & It's Applications	2022	Scientific International Publishing House	978-93-5625-323-0
Electrical Machines Volume-I	2022	Scientific International Publishing House	978-93-5625-412-1

(b) Edited Books

Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
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© Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2012	Solar Energy In Smart Homes, Page No. (1-6)	International journal of enhanced research in science technology & engineering	ISSN NO: 2319-7463, Vol.1 Issue 1		7.95
2013	A Review of Smart Home for Smart Grid, Page No. (59-64)	International Journal of Enhanced Research in Educational Development	ISSN: 2320-8708, Vol.1 Issue 4		7.326
2014	A Review Paper on Solar Powered Based Irrigation System Page No. (516-521)	International Journal of Enhanced Research in Science Technology & Engineering	ISSN: 2319-7463, Vol.3 Issue 1		7.95
2015	Speed Control of Separately Excited DC Motor by Using Fuzzy Logic Controller Page No. (286-297)	International Journal of Electrical & Electronics Engineers	PRINT: ISSN- 2321-2055 (E), Online, Volume 07, Issue 01		2.7

2017	Review paper on magneto hydro dynamic generator and its applications Pages: (543-545)	International Journal of Applied Research,	ISSN Print: 2394-7500 ISSN Online: 2394-5869		8.4
2017	Design and development of solar tracker energy system Pages: (209-211)	International Journal of Applied Research,	ISSN Print: 2394-7500 ISSN Online: 2394-5869		8.4
2017	Solar powered electrical vehicles Pages: (328-331)	International Journal of Applied Research,	ISSN Print: 2394-7500 ISSN Online: 2394-5869		8.4
2018	RF wireless sensor based system for avoidance of locomotive accidents due to track discontinuation Pages: (47-51)	International Journal of Advanced Science & Research	ISSN: 2455-4227 Volume:3, Issue:1		5.12
2018	Zigbee based prototype design of Anti-collision System for Locomotives Pages: (195-199)	International Journal of Advanced Research & Development	ISSN: 2455-4030 Volume:3 Issue:1		5.24
2019	ZigBee Wireless Sensor Based Prototype Design for Avoidance of Train Accidents due to Derailment Caused by Discontinuation Pages:(515-525)	Journal of Emerging Technologies & Innovative Research	ISSN: 2349-5162 Volume:6 Issue:1		7.97
2020	Hierarchical Structure of Active Distribution Network in Power System	International Journal of Engineering and Advanced Technology, Volume-10, Issue 1	2249-8958		1.03
2021	Radio Frequency Based Automatic Efficient Cooler, AC and Blower Control System	Webology Journal, , Volume-18 Page No. 7604-7611	1735-188X SCOPUS		2.19
2021	Transparent Solar Cells: A Powerful and Affordable Source of Energy	International Journal of Mechanical Engineering, Volume-6 Page No. 1431-1437	0974-5823 SCOPUS		2.1
2021	A Review Paper on Solar Energy Based Electricity Generation and Its Utilization	International Journal of Creative Research Thoughts , Volume 9, Issue 9, Page No. a831-a838	2320-2882		7.97
2021	Powerful Hybrid Electric Bike with	Journal of the Maharaja	0025-0422		4.18

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	Internat ional	Academic Research in Engineerin g Manage ment & Information Technology	Hierarchical Active Distribution Network: Characteristi c & Challenges	Anukrati Prakashan	2020	ISBN -978- 81- 9334 33-9- 5		
	Internat ional	Academic Research in Engineerin g Manage ment & Information Technology	Fully Automic Distant Surveillance and Automation of Modern House	Anukrati Prakashan	2020	ISBN -978- 81- 9334 33-9- 5		
	Internat ional	Academic Research in Engineerin g Manage ment & Information Technology	Design and Fabrication of RF Based Automatic Railway Crossing System	Anukrati Prakashan	2020	ISBN -978- 81- 9334 33-9- 5		
	Internat ional	Sustainable Developme nt in Engineering Managemen t & Medical Sciences- 2023	Solar Window: Reviewing the Design Concept for Efficient and Economic Approach	Rajshree Institute of Managem ent & Technolog y, Bareilly	2023	ISBN : 978- 81- 9569 37-0- 2		
	Internat ional	Sustainable Developme nt in Engineering Managemen t & Medical Sciences- 2023	IoT Based Modern Techniques for Performance Enhancemen t of Solar Photovoltaic s	Rajshree Institute of Managem ent & Technolog y, Bareilly	2023	ISBN : 978- 81- 9569 37-0- 2		

(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution
Expert	Alternate Energy- Solar & Solar PV	Alternate Energy-Solar & Solar PV	2019	The Institution of Engineers (India)
Expert	Faculty Development Program	Recent Innovations in Renewable Energy Technologies & Smart Grids	2020	Bansal Inst. of Engg. and Technology
Expert	Guest Lecture	Future of Electric Vehicles	2021	Invertis University
Expert	Expert Lecture	Role of Non Conventional	2022	Invertis University

		Energy Resources in India		
Expert	Guest Lecture	Solar Photovoltaic Panels	2022	Invertis University

(f) Seminars/Conferences/Workshops Organized/Attended

Sr. No.	Name of the Course / Summer School	Place	Duration	Sponsoring Agency
1.	Two Week Faculty Development Program on “MATLAB with Hands-on Lab Exercise”	M.J.P. R.U. Bareilly	Two Week 2009	APTRON, New Delhi
2.	One Week Short Term Course on “Recent Trends in Engg. & Technology”	M.J.P. R.U. Bareilly	One Week 2010	APTRON, New Delhi
3.	Research Methodology	Invertis University, Bareilly	One Month, 2012	Invertis University, Bareilly
4.	International Seminar on “Recent Trends in Material Science” (RTMS-13)	M.J.P. R.U. Bareilly	One Day 2013	M.J.P. R.U. Bareilly
5.	National Workshop on “Communication Skills for Change Management in Classrooms”	M.J.P. R.U. Bareilly	One Week, 2013	TEQIP-II, M.J.P. R.U. Bareilly
6.	FDP on “MATLAB AND SIMULINK PROGRAMMING”	M.J.P. R.U. Bareilly	One Week, 2014	TEQIP-II, M.J.P. R.U. Bareilly
7.	International Workshop under FDP on “Futuristic Materials: Characterization, Properties & Applications in Technology”	M.J.P. R.U. Bareilly	One Week, 2014	TEQIP-II, M.J.P. R.U. Bareilly
8.	Organized a Workshop on “Autonomous Robotics”	M.J.P. R.U. Bareilly	Two Day, 2014	Innovative Technology Labs and Pravega, IISc, Bangalore.
9.	Organized International Conference on “Academic Research in Engg, Management & Information Technology” (ICAREMIT)	M.J.P. R.U. Bareilly	Three Day, 2015	TEQIP-II, M.J.P. R.U. Bareilly
10.	FDP on LabVIEW with Industrial Applications	M.J.P. R.U. Bareilly	Two Week, 2015	APTRON, New Delhi
11.	Short Term Course/Workshop on “Microwave & Wireless Communication”	M.J.P. R.U. Bareilly	One Week, 2016	TEQIP-II, Deptt. Of Electronics & Communication Engg. F.E.T., M.J.P. R.U. Bareilly
12.	National Workshop Under FDP on “Innovative Research Trends in Mechanical and Production	M.J.P. R.U. Bareilly	One Week,	TEQIP-II, Deptt. Of Mechanical Engg.

	Engineering”		2016	F.E.T.,M.J.P. R.U. Bareilly
13.	Workshop on “Occupational Health and Safety Management Practices”	HBTU, Kanpur	Three Days, 2016	HBTU, ESCI, Hyderabad
14.	UGC Sponsored Orientation Course	University of Lucknow	29 Days, 2017	UGC, HRDC, University of Lucknow
15.	FDP on Entrepreneurship	M.J.P. R.U. Bareilly	Two Weeks, 2017	Deptt. Of Business Administration, MJPRU, Bareilly
16.	Badminton Competition First Prize	M.J.P. R.U. Bareilly	2008	Foundation Day, MJPRU, Bareilly
17.	Workshop on “Intellectual Property Rights Issues in Science and Technology”	M.J.P.R.U. Bareilly	One Day, 2018	M.J.P.R.U. Bareilly
18.	Organized Startup Workshop on “Industry Institute Interaction”	M.J.P.R.U. Bareilly	Two Days, 2018	TEQIP-III, MJPRU, Bareilly
19.	Induction Workshop on “Industry Institute Interaction”	M.J.P.R.U. Bareilly	Two Days, 2018	TEQIP-III, MJPRU, Bareilly
20.	FDP on “ Virtual Instrumentation Using Labview Software”	M.J.P.R.U. Bareilly	One Week, 2019	TEQIP-III, MJPRU, Bareilly
21.	Workshop on “Drone Technology”	BMS College of Engineering, Bangalore	One Week, 2019	BMS College of Engineering, Bangalore
22.	Organized Workshop on “Drone Technology”	BMS College of Engineering, Bangalore	One Week, 2019	BMS College of Engineering, Bangalore
23.	Organized Workshop on “Pedagogical Techniques in Technical Education”	M.J.P.R.U. Bareilly	One Day, 2019	TEQIP-III, MJPRU, Bareilly
24.	Workshop on “Typhoon Hil”	M.J.P.R.U. Bareilly	Two Days, 2019	TEQIP-III, MJPRU, Bareilly
25	Workshop on Smart Switchgear and Integrating Smart Switchgear	M.J.P. Rohilkhand University, Bareilly	Workshop One Day	30-01-2020
26	Academic Research in Engineering, Management and Information Technology	M.J.P. Rohilkhand University, Bareilly	Conference Three Days	01/02/2020 - 03/02/2020
27	FDP on Green Chemistry	M.J.P. Rohilkhand University, Bareilly	FDP One Week	25-02-2020 - 29-02-2020
28	Occupational Health, Safety, Security and Standards	M.J.P. Rohilkhand University, Bareilly	Workshop Two Days	28-02-2020 - 29-02-2020

29	Stress Management During Covid-19	Saraswati PG College, Hathras	International Webinar One Day	18-05-2020
30	Stress of Online Education on Students and Teachers during Lockdown	IMRT Business School & College, Lucknow	National Webinar One Day	28-05-2020
31	Role and Importance of Geeta-Darshan, Yoga and Ayurveda in context to Covid-19	Maharaja Bijli Pasi RS Mahavidyalaya, Lucknow	International Webinar Two Day	30-05-2020 - 31-05-2020
32	FDP on Computational Tools on Engineering & Research: Opportunities and Challenges	RR Group of Institution, Lucknow	FDP One Week	01-06-2020 - 06-06-2020
33	National Webinar on Exam: Challenges and Online Solution	NSCB Govt Girls PG College, Lucknow	National Webinar One Day	02-06-2020
34	National Webinar on Planning Healthcare, National Security and Personal Habits for a Pandemic Proof Society	Maharaja Bijli Pasi RS Mahavidyalaya, Lucknow	International Webinar One Day	04-06-2020
35	Webinar on Virtual Lab	M.J.P. Rohilkhand University, Bareilly	National Webinar One Day	06-06-2020
36	Workshop on Performing and Designing Experiments on Virtual Platform	M.J.P. Rohilkhand University, Bareilly	Workshop Two Weeks	08-06-2020 - 17-06-2020
37	FDP on Research Orientations in Engineering with Effective Outcomes	KIET Group of Institutions	FDP One Week	26-07-2020 - 30-07-2020
38	FDP on Recent Trends in Electrical Engineering and Applications	M.J.P. Rohilkhand University, Bareilly	International FDP One Week	08-08-2020 - 13-08-2020
39	Workshop on Technological Tools and Their Management in Online Teaching	M.J.P. Rohilkhand University, Bareilly	Workshop One Week	14-08-2020 - 21-08-2020
40	Short Term Training on Role of Renewable Energy Sources in Indian Energy Security	Delhi Technological University, Delhi	Short Term Training One Week	05-07-2021 - 10-07-2021
41	Webinar on Solar Energy Fueling the Future	Rajshree Group of Institutions, Bareilly	Webinar One Day	07-07-2021
42	FDP on Research Methodology	DR D Y Patil School	FDP One Week	02-08-2021 - 06-08-2021

		of Management, Pune		
43	FDP on Design of Experiments and Artificial Neural Network	AICTE Training & Learning Academy	FDP One Week	16-08-2021 - 20-08-2021
44	FDP on Transformational Leadership	AICTE Training & Learning Academy	FDP One Week	02-09-2021 - 06-09-2022
45	FDP on Emotional Resilience	AICTE Training & Learning Academy	FDP One Week	25-09-2021 - 29-09-2022
46	Recent Updates in Mechanical Engineering	M.J.P. Rohilkhand University, Bareilly	Workshop One Day	26-03-2022
47	Orientation/ Refresher Program on Innovations in Management	M.J.P. Rohilkhand University, Bareilly	Refresher Program One Week	17-06-2021 - 23-06-2021
48	Refresher Course (Corona Pandemic) ID	UGC, HRDC, University of Lucknow, Lucknow	Refresher Course, Two Weeks	02-11-2020 - 13-11-2020

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2023	Drone and IoT Based Output Monitoring System and Maintenance of Roof Top and Isolated Ground Solar Panels	MJPRU (IRG Project)	5 Lakhs	2023	2025

(h) Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To
Nodal Officer	JKPMSSS Scheme, MJPRU, BLY	22-01-21	Continue
District Coordinator Nodal	MJPRU, Bareilly	B.Ed Entrance Exam 2022	-
Member of NAAC Accreditation Committee	MJPRU, Bareilly	2023	-
INCHARGE	EE, MJPRU, BLY	DEC, 2019	DEC, 2021
INCHARGE	EE, MJPRU, BLY	APRIL, 2019	AUGUST, 2019
ADSW	EE, MJPRU, BLY	09-12-2020	Continue

T&P Coordinator	EE, MJPRU, BLY	July, 2019	Continue
Member of Examination Committee	FET, MJPRU, BLY	July, 2022	Continue

(i) Seminar/Conference Presentations

CONFERENCES						
1.	Linear Analysis of RC Tower with wind loading and telecommunication system	IEEE Xplore-2022 ISBN: 978- 1-6654- 7413- 9	International Conference (Within Country) SCOPUS	ICSES-2022	St. Joseph's Institute of Technology, Chennai, India	2022
2.	Power System Monitoring, Control and protection using IoT and cyber security	IEEE Xplore-2021 ISBN: 978- 1-6654- 7413- 9	International Conference (Within Country) SCOPUS	ICSES-2022	St. Joseph's Institute of Technology, Chennai, India	2022
3.	Blockchain Based Adaptive Non-Cooperative Game Strategy For Smart Power Contracts	IEEE Xplore 2023 979-8-3503-3401-2	International Conference on Convergence in Technology	I2CT 2023	8 th International Conference on Convergence in Technology, Pune	2023

(j) Memberships of Academic/Professional Bodies

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(k) Participation in Community Service / Exchange Programme / Consulting Activity

1. **Member, Unnat Bharat Abhiyan (UBA)**, MJP Rohilkhand University, Bareilly since 22-01-2021

(l) International Academic Exposure

(m) Any Other Details

*Member of Admission Committee, Observer in many examinations, Paper setter of number of University Papers. *Paper Setter of many renowned universities including GB Pant University, Pant Nagar; Gurukul Kangri University, Haridwar; IFTM University, Moradabad; Invertis University, Bareilly; Kumaun University, Pauri Garhwal; TMU, Moradabad. *External Examiner in many university end semester examinations and M.Tech dissertation. *Evaluation Work at many university end semester examination. * Peer Reviewer of "Invertis Journal of Renewable Energy".

Patents

S.No.	Name of the Patent awarded	Year of Filed	Year of award	International / National

1 Application No 202111026285	Anti-Collision & Anti-Derailment System For Trains	2021	Published	National
2 Application No 202221037177	A Smart School Security System That Utilizes GSM And Microcontrollers And Is Powered By The Internet Of Things (IoT)	2022	Published	National
3 Application No 202241049505	An Improved Aqueous Lithium- Ion Battery With IoT Connectivity	2022	Published	National
4 Application No 202221056515	IoT And Artificial Intelligence- Based Solar Power Generation With Maximum Power Tracking Using Modern MI	2022	Published	National
5 Application No 202221058890	Wearable Electronic Monitoring of Body Parameters	2022	Published	National
6 Application No 374415-001	Domestic Solar Dryer	2022	Published	National

Signature of Faculty Member