Mahatma Jyotiba Phule Rohilkhand University, Bareilly
महात्मा ज्योतिबा फुले रूहेलखण्ड विश्वविद्यालय, बरेली
A State University - Government of Uttar Pradesh; **NAAC A++ Accredited;** ISO 9001:2015 & 14001:2015 Certified

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भारत 2023 INDIA

Title	**Dr.**	First Name	**ANIL KUMAR**	Last Name	**BISHT**	Photograph
Designation		**ASSISTANT PROFESSOR**				
Department		**Computer Science & Information Tech.**				
Address	**Campus**	**Department of CS & IT, F E T**				
	Residence	**E-8, Patel Nagar, Udaipur-Khas , Izzat-Nagar, 243122, Bareilly**				
Mobile No.		**9412928340**				
Email ID		Personal		anilbisht_20@yahoo.com		
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Professional Networking ID, i.e. Linkedin, Twitter etc.		**Linkedin:** www.linkedin.com/in/dr-anil-kumar-bisht-b586481b4 **Twitter:** https://twitter.com/anilbisht_20				

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B.Tech. (CSE)	U.P. Technical University (S.R.M.S. CET, Bareilly)	2004	Computer Science and Engineering
M.Tech. (CSE)	U.K. Technical University, Dehradun, Uttarakand	2012	"Performance Evaluation of various routing approaches in Vehicular Ad- Hoc Networks based on realistic
Ph.D.	MJP-Rohilkhand University, Bareilly, U.P.	2021	"Application of Computation Techniques in Water Quality Forecasting Model : A Case Study of Ganga River"

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
KEC, Dwarahat, Almora,	Guest-Lecturer	23-08-2004 to	Teaching and

		02-01-2007	Administrative
KEC, Dwarahat, Almora, Uttarakhand **(State Govt)**	Lecturer **(Permanent)**	03-01-2007 to 06-09-2008	Teaching, Research and Administrative
MJP Rohilkhand University, Bareilly, U.P. (U.P. **State Govt.** University)	Assistant Professor **(Permanent)**	08-09-2008 to till date	Teaching, Research and Administrative

(first row first cell: Uttarakhand (State Govt))

Research Interests / Specialization

Artificial Intelligence, Machine Learning, Parallel Computing

Research Experience in Years: 11 Years

No of Research Scholars Successfully Guided

Name of Programme	Awarded	Under Supervision
Ph.D.	**Nil**	**02 (MJP)**
M.Phil.	**Nil**	**Nil**
Dissertation (MCA)	**26**	**Nil**

Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
	55391284100	0000-0002-5629-8809	ACQ-8003-2022	165380	ei2JLdcAAAAJ&hl

Teaching Experience (Subjects/Courses Taught): 19 Years

B.Tech: Operating System, Principles of Programming Languages, Discrete Mathematical Structure, Object-Oriented Programming (C++), Computer Fundamental & C- Programming, Software Engineering, Computer Organization

MCA: Discrete Mathematical Structure, Computer Organization, Java Programming

Ph.D: Parallel Computing

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
Certificate of Honour for outstanding contribution during NAAC Assessment cycle-III on 5th Sept. 2023	MJP Rohilkhand University	MJP Rohilkhand University	-
Shishak-Samman on 06-08-2023	-	Rastriya Jaagrook Brahman Mahasangh & Uttrakhand Pariwar	-
Shishak Samman on 05-09-2022	MJP Rohilkhand University		
Best Research Paper (Hindawi-SCI), International Excellence Awards-2022	-	Quantum University, Dehradun, Uttrakhand	-
Shishak Samman on 05-09-2021	MJP Rohilkhand University	Higher Education Dept., UP Govt	-
Global Teacher Award, India on 24-10-2021	-	AKS Education Awards	-
Medhavi Chaatra Samman in Class X, 1998	-	Uttrakhand Shod Sansthan	-

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	1	Research Papers Published in International Journals	15	Papers Presented in Seminars/ Conferences	16	Seminars/ Conferences Organized	5	Research Projects (Completed)	-
Books (Co-authored)	3	Research Papers Published in Other Journals	-	Seminar/ Conferences Attended	6	Workshops Organized	5	Research Projects (Ongoing)	1
Books (Edited)	1	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	2	Membership of Academic/ Professional Bodies	3	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	7			Resource Lectures Delivered	5				

Details of Publications /Academic Activities (2010 Onwards)

(a) Authored Books/ Monographs: 04 = (03 Co-Authored+ 01 Authored)

Sr. No.	Name of Book	Year of Publication	Publisher	ISBN No
1.	Security Issues for Wireless SensorNetworks [Co-Author]	April 19, 2022	CRC Press- International (Taylor & Francis Group)	978-10-3218-9048
2.	Principles of Soft Computing Techniques [Co-Author]	2022	Scientific International PublishingHouse SIPH	978-93-5625-306-3
3.	IoT World e-book [Author]	2022	Namya Press- India/USA	978-93-5545-142-2
4.	Machine Learning [Co-Author]	2023	Scientific International Publishing House, SIPH	978-93-5757-249-1

(b) Edited Books: 01

Sr. No.	Year of Publication	Title	Publisher	ISBN	DOI No.	Cita tions
1.	2022	Emerging Trends in Science,Social Science, Engg. & Mgnt.-A Multidicipline Approach	Research Circle & International Institute of Knowledge & Research(IIKR)	978-93-5546-016-5	-	-

(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals: 15

Sr. No.	Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
1.	2022	A Novel Deep Learning Based Healthcare Model for COVID-19 Pandemic Stress Analysis, [SCI]	Computers, Materials & Continua (CMC-2022, vol 72, no.3)	1546-2218	12	3.1
2.	2022	Lung Cancer Classification and Prediction using Machine Learning and Image Processing, [SCOPUS]	BioMed Research International, BMRI	2314-6133	38	3.246 [2022]
3.	2021	Time Series Analysis Of Water Quality Prediction Model For Rivers Using Machine Learning Approach [UGC-2022]	International Journal of Aquatic Science, 12(2), 2021	2008-8019	1	
4.	2021	Analysis of Support Vector Machine Model in Forecasting the	Int. J. of Aquatic Science (IJAS), 12, 2, 2021	2008-8019	-	

		One Year Ahead Water Quality of the River Ganga [UGC-2022]				
5.	2021	A Review Of Soft Computing Techniques In Modelling The Water Quality Of Rivers [UGC-2022]	International J. of Aquatic Science, 12, 2, 2021	2008-8019	-	
6.	2021	Human Augmentation Through Applications Of Technology [UGC-2022]	Int. Journal of Aquatic Science (IJAS), 12(2) 2021	2008-8019	-	
7.	2021	Impact Analysis of Lockdown in COVID-19 on agriculture using Machine Learning Regression model [UGC-2022]	International Journal of Aquatic Science, 12, 2, 2021	2008-8019	-	
8.	2019	Artificial Neural Network Based Water Quality Forecasting Model for Ganga River, [SCOPUS]	International Journal of Engineering and Advanced Technology	2249-8958	8	
9.	2017	Water quality modelling of the River Ganga using artificial neural network with reference to the various training Functions [WoS]	Environment Conservation Journal	2278-5124	5	
10.	2017	An Investigation of Assessment and Modelling the Water Quality of Rivers Based on Artificial Neural Networks- An Initiative towards the River Ganga [UGC]	International Journal on Future Revolution in Computer Science & Communication Engineering	2454-4248	1	
11.	2015	Applications of Vehicular Ad- hoc networks in road safety, pp. 121-130, [UGC]	International Journal of Research and Analytical Reviews, Volume.2, Issue 1, 2015	2348-1269	-	
12.	2015	Performance Evaluation of Proactive and Reactive Routing	International Journal Of Advanced Technology In Engineering And Science	2348 – 7550	-	

3.			Protocols in Vehicular Ad-Hoc Network by analyzing the Effect of Traffic Light Period					
13.	2015		Comparative study of routing protocols for Vehicular Ad-hocnetworks (VANETS, [UGC]	International Journal of Research and Analytical Reviews, Vol.2, Issue 1, 2015	2348-1269	-		
14.	2012		Mobile Ad-hoc Network: A Special type of Wireless Ad-hoc Network, [UGC]	International Journal of inMultidisciplinary and Academic Research Vol. 1, No.2	2278 – 5973	-		
15.	2011		Simulation Based Analysis of Position Based Routing Protocols in Vehicular Ad hoc Networks, [Peer Reviewed Journals]	International Journal of Advances in Computer Networks and its Security, 2011	2250-3757	1		

(d) Chapter/Paper Published in Edited Books

Sr. No.	Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of sc.
	National	International							
1.		International [Accepted]	Development Of A Fuzzy Logic System For Monitoring the Health Status Of Patients In Real Time	The recent Advancements in Fuzzy-Based Internet of Medical Things (IoMT),	Wiley Scrivener, [Scopus]	2023	Accepted		[Accepted]
2.		International	Predictive Intelligence Using Big Data and the Internet of Things	Application of Predictive Intelligence in Water Quality Forecasting of the River	IGI Global, USA [Scopus]	2018	978-15-225621-0-8	10.4018/978-1-5225-6210-8.ch009	6
3.		International	Smart and Innovative Trends in Next	Development of an Automated Water Quality	Springer, Communicationsin Computer	2018	978-981-10-		7

Sr. No.								
			Generation Computing Technologies, Chapter-15 (Part1), Procceddings of 3rd International Conference	Classification Model for the river Ganga	and Information Science (CCIS, volume 827), Singapore **[Scopus]**		8657-1	
4.		International	Procceddings of 3rd International Conference on Advances in Computing,Communication & Automation, (ICACCA) (Fall)	Artificial neural network based prediction model for estimating the water quality of the river Ganga	IEEE Xplore, https://ieeexplore.ieee.org/document/8344735 **[Scopus]**	2018	978-1-5090-6403-8	**7**
5.	National		Contemporary Research Methods at Higher Education Institution	Travelling Salesman Problem Using Genetic Algorithm", Chapter 9, , pp. 114-125	Selective & Scientific Books, New Delhi	2022	978-93-92787-19-5	-
6.	National		Contemporary Research Methods at Higher Education Institution	Traffic Sign Recognition using Image Classification, Chapter 8, , pp. 101-113	Selective & Scientific Books, New Delhi	2022	978-93-92787-19-5	-
7.	National		Future Growth Prospects and Evolution: Meeting the Triple Bottom Line	An Efficient Comparison of Learning Algorithms of Artificial Neural Networks in Predicting the Water Quality of National Lake , Uttarakhand	Taurean Publications,New Delhi	2021	978-93-91074-59-3	-

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

Sr. No.	Resource person	Detail of Event	Title of Lecture	Date	Institution
1.	**Invited Talk**	**International Conference** On Sc., Social Sc., Agriculture and Mgnt.(ICSSAM-2017)	Soft Computing Techniques and their Applications for Solving Environmental Problems	12-06-2017 to 14-06-2017	Bias, Bhimtal, Uttarakhand
2.	**Invited Speaker**	**Symposium** on "Digital Engagement atCommunity Level	Digital Transformation in Today's Era	16-02-2019	Birla Institute (BIAS), Bhimtal & U-SERC
3.	**Resource Speaker**	**International** Virtual Conference on Modern Instrumental & Characterization Techniques in Applied Sciences-2020	WaterQualityParameters and their Role in Modeling the Water Quality of Rivers	05-07-2020 to 06-07-2020	MIET, Kumaon, Haldwani, Uttrakhand
4.	**Resource Person**	**FDP (One Week)** on Emerging Trends in Areaof Data Science" approvedby AICTE (ATAL)	Modeling Machine Learning Problems usingWeka Tool	12-11-2021 to 16-11-2021	Dept. of CS &IT, FET, MJPRU, Bareilly.

5.	**Resource Person**	**FDP (One Week)** on Emerging Trends in Areaof Data Science" approvedby AICTE (ATAL)	Implementation of Recommendation System using Python	12-11-2021 to 16-11-2021	Dept. of CS & IT, FET, MJPRU, Bareilly.
6.	**Guest Speaker**	**FDP Two Weeks** on Tech Tales-IoT	Role of Machine Learning in Water Quality Modelling	07-08-2023 to 19-08-2023	Sathyabama Inst. of Sc. & Technology, Chennai
7.	**Key Note Speaker**	**National Seminar**	Role of IT in Business Development	21-09-2023	S.S.College, Shajhanpur, U.P.

(f) Seminars/Conferences/Workshops Organized

1. **Organized FDP of one week** on *"Parallel and Distributed Computing"* from **15/2/2012 to 19/2/2012** at **CSIT-Department, FET, MJPRU**, Bareilly.

2. **Organized FDP of one Week** on *"MATLAB and Simulink Programming"* **04/02/2014 to 08/02/2014** at **CSIT-Department, FET, MJPRU**, Bareilly in collaboration with National Institute of Electronics & IT (NIELIT), Gorakhpur, U.P.

3. **Member Technical Committee** in ICAREMIT-2015 an **International Conference** on Academic Research in Engineering, Management and IT from **21/02/2015 to23/02/2015** at**FET, MJPRU**, Bareilly.

4. **Member Organizing Committee** in Symposium on "**Wavelet and its Applications in Engineering Problems**" under TEQIP-II from **20-12-2015 21-12-2015** organized by **FET, MJPRU**, Bareilly

5. **Member Organizing Committee in IEEE International Symposium** on *"IOTs: Smart Innovations and Usages, IOT-SIU"*, 2017 from **28-Feb-01 March 2017** at **FET, MJPRU**,Bareilly.

6. **Awarded "Certificate of Appreciation",** for the **IEEE 3rd International Conference** on *"Advances in Computing, Communication Engineering (ICACCE 2016*), **28th-29th November, 2016**, **Durban, South Africa.**

7. **Member Technical Program Committee (TPC) in IEEE** Woman Institute of Technology Conference on Electrical & Computer Engineering (WITCON-ECE) on **22-23,Nov-2019** at Woman Institute of Technology, Dehradun, Uttarakhand, India.

8. **Organized** as well as participated in **National e-workshop** on "Technological Tools and Their Managements in Online Teaching", **FET, MJP-Rohilkhand University** during **14-21 August 2020**.

9. **Organized Online Quiz for students as Convener** (at National level) on the occasion of teacher's day on the biography of Dr. Sarvepalli Radhakrishan on **5th September 2021** at Dept.of CS & IT, FET, MJPRU, Bareilly.

10. **Organized AICTE (ATAL) approved Online FDP as Co-Coordinator** on "Emerging Trendsin Area of Data Science" during **12-11-2021 to 16-11-2021** at Dept. of CS & IT, FET, MJPRU, Bareilly.

11. **Organized 10-days Value Added Program as Co-Coordinator** on "IT for

sustainable development of Society" from **14-12-2021 to 23-12-2021**", at Dept. of CS & IT, FET, MJPRU, Bareilly.

12. **Organized "Sadak Suraksha Jagrukta Railly"** under the Sadak Suraksha Jagrukta Abhiyan of U.P. Govt. as a member of Road Safety Club, MJP Rohilkhand University on **21-05-2022**.

13. **Organized "Screening of Educational Films"** in the department of CSIT on **08-09-2022** on the occasion of "**Shikshak Parv", NEP 2022.**

14. Organized **Plantation** in the department on **16-07-2022** on the occasion of Harela & Saavan Utsav.

15. Organized **Essay Writing Competition on "Road Safety Rules and Regulations"** on **18-01-2023** in the department of CSIT.

16. Organized **Quiz on "Road Safety Rules, Regulations & Awareness"** on **20-07-2023** in the department of CSIT.

17. **Organized "Sadak Suraksha Jagrukta Railly"** under the Sadak Suraksha Jagrukta Abhiyan of U.P. Govt. as a member of Road Safety Club, MJP Rohilkhand University on **26-07-2023**.

18. Organized "**Career Counseling and PD talk**" in the department of CSIT on **18-05-2023** in collaboration with University Employment Information Bureau & Training – Placement Cell.

19. Organized **workshop** on *"Flutter"* on 09-Sept-2023 in the Training and Placement Cell, MJPRU.

20. Organized **expert talk** under *Learn with Senior Program Series* on *"Current Trends in IT Industry"* on 30-Sept-2023 in the department of CSIT in collaboration with IEEE student branch MJPRU & IT-Clinic.

21. Organized **expert talk** under *Learn with Senior Program Series* on *"Ordinary to Extraordinary"* on 07-Oct-2023 in the department of CSIT in collaboration with IEEE student branch MJPRU.

22. Organized online **expert talk** under *Learn with Senior Program* on *"Career Guidance & Counseling"* on 14-Oct-2023 in the department of CSIT in collaboration with IEEE student branch MJPRU & IT-Clinic.

23. Organized **expert talk** on *"Emerging Trends in IT Industry"* in the Training and Placement Cell, MJPRU on 16-Oct-2023 in collaboration with IEEE student branch MJPRU on 16-Oct-2023 in the department of CSIT.

24. Organized **expert talk** on *"IIM and B-School selection Process"* in the department of CSIT, MJPRU on 19-Oct-2023 in collaboration with IEEE student branch MJPRU & IT-Clinic.

	(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)-01 (Ongoing)					
Sr. No.	Year	Name of Project	Funding Agency	Amount	Duration	
					From	Till
1.	2023	Development of Air-Quality Prediction Model Based on Different Machine Learning Techniques	IRG-Scheme, DoR, MJPRU	5 Lakhs	2023	2025
	(h) Administrative Positions/Assignments Held **Responsibilities & Positions held with Present Employer (MJPRU, Bareilly, U.P.)**					

Sr. No.	Post	Organization	Duration	
			From	To
1.	Member- IQAC/NAAC (team)-2023	IQAC/NAAC TEAM, 2022, MJPRU	23-07-2022	Till date
2.	Member, Convocation Committee-2023	MJPRU	November-2023	-
3.	Observer, B.Ed. Entrance Examination, 2023	MJPRU	12-06-2023	-
4.	ACS, (End-Semester Examination), 2023	MCA & M.Sc., Maths, MJPRU	23-02-2023	4th March, 2023
5.	Member,Merit-Preparation Committee B.Tech. Admission, 2023	FET, MJPRU	06-07-2023	-
6.	Member, B.Tech. Counseling, 2023	FET, MJPRU	04-08-2023	-
7.	Member, B.Pharma Counseling, 2023	FET, MJPRU	09-08-2023	-
8.	Member, Convocation Committee-2022	MJPRU	December-2022	-
9.	Master Trainer, Road Safety, District Bareilly	Uttar Pradesh Sadak Suraksha Parishad	14-10-2022	Till date
10.	Parameter Coordinator, NIRF (Graduation Outcomes),	NIRF, IDP & Ranking Cell, MJPRU	24-11-2022	Till date
11.	Member- Academic Committee	FET, MJPRU	20-09-2022	Till date
12.	Member, Biometric Machine Installation & Registration, Committee	MJPRU	16-09-2022	Till date
13.	Coordinator, IT-Clinic	MJPRU	17-05-2022	Till date
14.	Member	Road Safety Club, MJPRU	17-05-2022	Till date
15.	University Representative, Lucknow District	B.Ed. Entrance Exam. 2022 by MJPRU	27-06-2022	-
16.	Member, BoS, Dept. of CSIT	MJPRU	26-03-2022	-
17.	Co-Coordinator	Grass Root Innovation Centre (GRIC), MJPRU	29-10-2020	Till date
18.	Member, Examination Committee	FET, MJPRU	12-01-2021	2023
19.	Incharge, Training and Placement, CSIT	CSIT-dept. FET., MJPRU	2020	Till date
20.	Member, SAR Preparation Team for NBA Accredition	CSIT, MJPRU, Bareilly, U.P.	2019	-
21.	Coordinator, Seminar of MCA	CSIT-dept. FET., MJPRU	2019	Till date
22.	Student's Coordinator, B.Tech. 2nd Year,	CSIT-dept. FET., MJPRU	2018	Till date

Sr. No.	Post	Organization	From	To
23.	Member, Procure Committee	CS&IT Department, MJPRU	2018	2019
24.	Incharge, Industrial Training. CSIT, Deptt	MJPRU	2018	2019
25.	Student Advisor,(MCA 2nd Year)	MJPRU	2018	2020
26.	Coordinator, Seminar of B.Tech. (CS&IT)	CSIT-dept. FET., MJPRU	2017	Till date
27.	Member, Committee for revision of syllabus of B.Tech. Computer Science	U.P.	2015	2015
28.	Member, Committee for preparing data for mentoring of TEQIP-II	MJPRU	2015	2016
29.	Assistant Coordinator, Central Evaluation, Sem. Exam.	At Evaluation Centre No.01, MJPRU	Jan, 2015	Jan, 2015
30.	ACS, B.Tech. End Semester ExaminationCommittee	FET, MJPRU	Dec-12, April-2013,May-14,Jan-15, Feb-23	Dec-12, April-2013,May-14,Jan-15, Feb-23
31.	Member, Counseling Team, B.Tech., MCA	FET, MJPRU	2014	Till date
32.	Incharge, Multimedia Lab.	CSIT-dept. FET., MJPRU	2010	Till date
33.	Member BoS,	CS&IT Department	2014	Till date
34.	Incharge Examination, CSIT	CSIT-Dept. FET., MJPRU	2012	2018
35.	Incharge, RTI, CSIT	CSIT-Dept. FET., MJPRU	2008	2013

Responsibilities & Positions held with Past Employer (KEC, Dwarahat, Uttarakhand)

Sr. No.	Post	Organization	Duration	
			From	To
1.	Warden, Boys Hostel	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
2.	Incharge, Internet Lab.	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
3.	Incharge, Oracle Lab.	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
4.	Officer Incharge, Student Welfare	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
5.	Asstt. Officer Incharge, EPABX	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
6.	Sector Magistrate (R) State-Panchayat level elections-2008 in Almora District, Uttrakhand	K.E.C. Dwarahat, Almora, Uttrakhand	2008	

(i) Seminar/Conference Presentations

1. **Anil Kumar Bisht**, Brajesh Kumar, Shailendra Kumar Mishra, "Efficiency Evaluation of

Routing Protocols for Vehicular Ad-Hoc Networks Using City Scenario", 2nd **International Conference** on Computer Communication and Informatics (ICCCI-2012), **IEEE,** January 10-12, 2012, pp. 571-577, Organized by Sri Shakti Institute Of Engineering and Technology, Coimbatore, Tamilnadu, India. ------- (**ISBN No.** 978-1-4577-1581-5), **IEEE Catalog No.** CFP1208R-PRT.

2. **Anil Kumar Bisht**, Shiva Prakash , Brajesh Kumar, Shailendra Kumar Mishra, *"A Survey of Routing Protocols in Vehicular Adhoc Networks",* 3rd **International Conference** On Wireless Networks & Embedded Systems WECON-2011, July 18-20, 2011, pp. 77-80, organized by Department of ECE, Chitkara Institute of Engineering & Technology Chitkara University, Punjab, India**, in association with George Brown College, Canada,** (**ISBN No.** 978-81-920913-6-5).

3. **Anil Kumar Bisht**, Brajesh Kumar, Shailendra Mishra, Akhtar Hussain, *"Simulation Based Analysis of Position Based Routing Protocols in Vehicular Ad hoc Networks",* **International Conference** on Advanced Computing, Communication and Networks-2011, pp. 750-757, **in association with International Neural Network Society (INNS),** India Regional Chapter organized by Universal Association Of Computer And Electronics Engineers (UACEE) at Chandigarh, **ISBN No.:** 978-1-63248-028-6, pp. 750-757, Publisher: Institute of Research Engineers & Doctors (IRED).

4. **Anil Kumar Bisht,** Shailendra Mishra, Brajesh Kumar, *"Effectiveness Assessment of LAR and DREAM protocols for Vehicular Communication System in city scenario",* **International Conference** on Information Management in Knowledge Economy (IMKE-2012), July 16-17 2012, pp. 57-67, Chitkara Institute of Engineering & Technology Chitkara University, Punjab, India, Technically Co-Sponsored by Computer Society Chapter **IEEE** Delhi Section in association with Milwaukee school of Engineering (MSOE), USA, (**ISBN No.** 978-81- 920249-6-7).

5. **Anil Kumar Bisht,** Brajesh Kumar, *"Review of „DREAM‟ Approach for Inter Vehicle Communication System",* **National Conference** on Excellence in Technology and Management, NCETM-2011, MAY 7-8, 2011, pp. 585-587, organized by Sunderdeep Engineering College, Ghaziabad, U.P., (**ISBN No.** 978-93-81361-04-7).

6. **Anil Kumar Bisht,** Shiva Prakash, *"Vehicular Ad-Hoc Network: A Survey On Methodology, Applications and Security Issues",* **National Conference** On Evolving Ideas: Computing, Communication And Networking, March 5-2011, pp. 377-384, organized by Amrapali Institute of Technology and Sciences, Haldwani, (Nainital), Uttrakhand, India, (**ISBN No.** 978-81-8220-410-2).

7. Shiva Prakash, **Anil Kumar Bisht,** *"Energy Efficient routing Protocols For Mobile Ad-Hoc Network :Challenges And Applications",* **National Conference** on Evolving Ideas:

Computing, Communication And Networking, March 5-2011, pp. 409-418, organized by Amrapali Institute of Technology and Sciences, Haldwani, (Nainital), Uttarakhand, India,(**ISBN No.** 978-81-8220-410-2).

8.   Shiva Prakash, **Anil Kumar Bisht,** *"Contribution Of IT In Promoting Community's Roles For Facing The Natural and Man-Made Disasters",* <u>**National Seminar**</u> on Emerging trends in IT and Education "TRANG 2008", February 28-29 2008, organized by Amrapali Institute of Technology and Sciences, Haldwani, (Nainital), Uttarakhand, India **in association with** Uttarakhand Council For Science and Technology **(UCOST),** Dehradun and Institution of Engineers, India **(IEI).**

9.   Shiva Prakash, **Anil Kumar Bisht,** *"Role of IT Tools for Employment Generation in Hilly Region"*, <u>**National Seminar**</u> on Emerging trends in IT and Education "TRANG 2008", February 28-29 2008, organized by Amrapali Institute of Technology and Sciences, Haldwani, (Nainital), Uttarakhand, India in association with Uttarakhand Council For Science and Technology **(UCOST)**, Dehradun and Institution of Engineers, India **(IEI).**

10.   **Anil Kumar Bisht,** Ravindra Singh, *"Impact of Packet Rate on Routing Protocols In Vehicular Communication System Using realistic movement patterns systems",* <u>**World Conference**</u> on Advances in Communication and Control Systems (CACCS-2013), April 06-08 2013, organized by DIT University, Dehradun, Uttrakhand, India, **Atlantis Press, France**: **ISBN** (online): 978-90-78677-66-6, ISSN:1951-6851.

11.   **Anil Kumar Bisht,** Ravendra Singh, *"Performance Evaluation of Proactive and Reactive Routing Protocols in Vehicular Ad-Hoc Network by analyzing the Effect of Traffic Light Period"*, <u>**International Conference**</u> on Academic Research in Engineering, Management and Information Technology (ICAREMIT), **IEEE**, February 21-23, 2015, organized by faculty of Engineering and Technology, M.J.P. Rohilkhand University, Bareilly (U.P.), India.

12.   **Anil Kumar Bisht**, Ravendra Singh , Shimona Gupta, Sakshi Gupta, *"Face Segmentation using Morphological Operations in MATLAB"*, <u>**National Conference**</u> on Advanced Computational Science and Technology (NCACT-2016), March 4-5 2016, organized by deptt. of CSE, Madan Mohan Malaviya University of Technology, Gorukpur, (U.P.).

13.   **Anil Kumar Bisht**, Ravendra Singh, Rakesh Bhutiani, Ashutosh Bhatt*, "Artificial neural network based prediction model for estimating the water quality of the river Ganga"*, *3rd* <u>**International Conference**</u> on Advances in Computing, Communication & Automation (ICACCA) (Fall)*, 15-16 Sept. 2017,* 1-5, **IEEE [Scopus],** Electronic ISBN: 978-1-5090-6403-8, Print on Demand(PoD) ISBN: 978-1-5090-6404-5, **DOI:** 10.1109/ICACCAF.2017.8344735

14.   **Anil Kumar Bisht,** Ravendra Singh, Ashutosh Bhatt, Rakesh Bhutiani, *"Modelling and Forecasting of ganga river water quality variables using Soft Computing-An outline"*, 2nd <u>**International Symposium**</u> on Internet Of Things: Smart Innovation & Usages (IOT-SIU 2017),

IEEE-ACM, 28 Feb-1 March 2017 organized by faculty of Engineering and Technology, M.J.P. Rohilkhand University, Bareilly (U.P.), India.

15. **Anil Kumar Bisht**, Ravendra Singh, Ashutosh Bhatt, Rakesh Bhutiani, *"Development of an Automated Water Quality Classification Model for the river Ganga"*, 3rd **International Conference** on Next Generation Computing Technologies (NGCT 2017), 30th –31st Oct 2017, Communications in Computer and Information Science (CCIS) Vol 827, **Springer, Singapore, [Scopus], Print ISBN:** 978-981-10-8656-4, **Online ISBN:** 978-981-10-8657-1.

16. Ashutosh Awasthi, Pankaj Gangwar, **Anil Kumar Bisht,** Aditi Yadav, Sakshi,, "Role of Machine Learning for developing Crop Recommendation system", **National Conference** on strategies for Management of Bio-Resources., March 26-27, 2023, Organized by Dept. of animal Sc., **MJPRU with Directorate of Higher Education, U.P. Govt. 2023**.

(j) Memberships of Academic/Professional Bodies

1. **Life Time Member (CSI) Computer Society of India.**
   (Membership Number: 01122928)
2. **Member All India Council for Technical Skill Development**
   (Member ID: AICTSD/PROFESSOR/29948).
3. **Member International Association of Hydrological Sciences** (IAHS)-
   (Membership No.18320)

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

1. Organized **"Sadak Suraksha Jagrukta Rally"** under the Sadak Suraksha Jagrukta Abhiyan of U.P. Govt. as a member of Road Safety Club, MJP Rohilkhand University on **21-05-2022.**

2. Organized **"Screening of Educational Films"** in the department of CSIT on **08-09- 2022** on the occasion of **"Shikshak Parv", NEP 2022.**

3. Organized **Plantation** in the department of CSIT on **16-07-2022** on the occasion of Harela & SaavanUtsav.

4. Organized **Quiz** on **"Road safety Rules, Regulations & Awareness"** under the Sadak Suraksha Jagrukta Abhiyan of U.P. Govt. as a **member of Road Safety Club**, MJP Rohilkhand University on **20-07-2023**.

5. Organized **Career Counseling and PD talk** on **18-05-2023** in the Dept. of CSIT.

6. Organized **Essay Writing Competition on "Road Safety Rules and Regulations"** on **18-01-2023** in the department of CSIT.

(l) International Academic Exposure

✓ **Awarded with Certificate of Appreciation** for successfully participating as a Deligate in IMUN Online Conference 26.0 during 10th to 11th Oct. 2020 from International Model United Nations, **Australian Embassy.**

✓ **Awarded "Certificate of Appreciation",** for the **IEEE 3rd International Conference** on *"Advances in Computing, Communication Engineering (ICACCE 2016)*, 28th-29th November, 2016, **Durban, South Africa.**

✓ **Invited as Speaker/Chair** in International Congress of Environment from 15-17 June 2022 (Not Attended due to Pandemic) in **Singapore**.

(m) Any Other Details

✓ **Patents: 06----** **(5 National =Published+ 01 International=Granted)**

S.No.	Name of the Patent awarded	Year of award	Year of award	International / National
1.	Intelligent Robotic Face, UK Design Patent, Design number: 6293401	2023	**Granted** **Grant date**: 08 July 2023	**International**
2.	Uber Data Analysis And Quick Search Using Deep Learning ((Ref. No. 202111046134)	2021	**Published**	**National**
3.	Bitcoin Price Prediction Using Machine Learning ((Ref. No. 202111046127)	2021	**Published**	**National**
4.	LPG Gas Leakage Detection Device (Voice Alert to the house wife) (Ref. No. 202131047261)	2021	**Published**	**National**
5.	Early Detection Of Depression Using Ai And Mobile Device, (Ref. No. 202111058519)	2022	**Published**	**National**
6.	Single Handed Sowing and Fertilizing Machine (Ref. No. 353142-001)	2022	**Published**	**National**

✓ **Awarded by "Letter of Appreciation" by IIT-Roorkee** upon completion of project: Development of Virtual Lab. of "Analysis & Design of Algorithm" in B.Tech. Course as Faculty Incharge, (An Initiative of MHRD, Govt. of India, under the National Mission on Education through ICT) with MJPRU as Nodal Center of Virtual Labs. in collaboration with IIT- Roorkee.

✓ **Invited as Chair, Technical Session in an International Conference** on "Contemporary Research on Mathematics and Computer Science" (ICCRMCS-2022) held during **29-30 April, 2022** at Sri Ram Murti Smarak College of Engg. & Technology, Bareilly, U.P.

✓ Contributed actively as Co-Coordinator in preparing the **Policy Draft of Grass Root Innovation Centre (GRIC) Approved by EC:** Executive Council held in December 2020.

✓ Acted as **Judge in Divisional Level "Science Model Competition 2023"** held on 17th March 2023 organized by **Department of Science & Technology, U.P. Govt.** with council of Science and Technology, U.P. at GIC Bareilly.

✓ **Completed Online Certification course** on "Machine Learning" conducted by E & ICT Academy, **IIT Kanpur, Ministry of Electronics & IT, Govt. of India** in April, 2018.

- ✓ **Developed total 45 e-contents** for Uttar Pradesh Higher Education Digital Library **e-platform in the ppt format** for B.Tech. CS&IT on the subject Discrete Mathematical Structure and Online student learning ortel of MJPRU.

- ✓ **Short Term Courses / Faculty Development Programme / Workshops Attended (One Week/Two Weeks): 33**

- ✓ **Short Term Courses / Faculty Development Programme / Training Program/ Workshops Attended: (Less than a week): 10**

- ✓ **Orientation Program: 01** and

- ✓ **Refresher Course: 01**

Anil Kumar Bisht
(Dr. Anil Kumar Bisht)