




Faculty Profile on University Website

www.mjpru.ac.in

Title	Mr.	First Name	ANIL KUMAR	Last Name	BISHT	Photograph
Designation		ASSISTANT PROFESSOR				
Department		COMPUTER SCIENCE & INFORMATION TECHNOLOGY (CSIT)				
Address	Campus	CS & IT Department, Faculty of Engineering & Technology, MJP Rohilkhand University, Bareilly (UP) INDIA				
	Residence	Udaipur-Khas , Izzat-Nagar, 243122, Bareilly				
Mobile No.		9412928340				
Email ID		Personal		anilbisht_20@yahoo.com		
		University Domain		anil.bisht@mjpru.ac.in		
Professional Networking ID, i.e. LinkedIn, Twitter etc.		Linkedin: anilbisht_20@yahoo.com				
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 vehicular movement traces”.	
Ph.D. (Submitted)	MJP-Rohilkhand University, Bareilly, U.P.			2020	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, Uttarakhand (U.K.), (An Autonomous Institute of UK State Govt.)		Guest-Lecturer	02 Years & 04 Months	Teaching B.Tech. (CSE) and MCA Courses	
KEC, Dwarahat, Almora, Uttarakhand (U.K.) (An Autonomous Institute of UK State Govt.)		Lecturer	01 Year & 08 Months	Teaching B.Tech. (CSE) and MCA Courses	
MJP Rohilkhand University, Bareilly, U.P. (U.P. State Govt. University)		Assistant Professor	2008 Onwards	Teaching B.Tech. (CSIT) and MCA Courses	
Research Interests / Specialization:					
Machine Learning, Artificial Intelligence					
Research Experience in Years: 16 Years					
No of Research Scholars Successfully Guided: -----					
Name of Programme		Awarded		Under Supervision	
Ph.D.		-----		-----	
M.Phil.		-----		-----	
Dissertation (M.Ed./M.A.)		-----		-----	
Researcher/ Expert ID	Scopus	Orcid	Publons	Vidwan	Google Scholar
	anilbisht_20@y ahoo.com	0000-0002- 5629-8809	anilbisht_20@ yahoo.com	bishtanil20 @gmail.com	bishtanil20@ gmail.com
Teaching Experience (Subjects/Courses Taught): 16 Years					
Operating System, Principles of Programming Languages, Data Warehouse & Data Mining, Discrete Mathematical Structure, Object-Oriented Programming (C++), Computer System Programming & Methodology, Computer Fundamental & C- Programming, Compiler Design Principles, Software Engineering, Computer Organization, Java Programming.					
Honours / Awards & Fellowship FOR OUTSTANDING WORK:-----					
<ol style="list-style-type: none"> 1. Awarded “Medhavi Chaatra Samman” in Class X (CBSE Board) 2. 10 CGPA M.Tech. (CSE) 					

Name of Award/ Fellowship	Awarded By								
	Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body						
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Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	---	Research Papers Published in International Journals	05	Papers Presented in Seminars/ Conferences	15	Seminars/ Conferences Organized	05	Research Projects (Completed)	--
Books (Co-authored)	---	Research Papers Published in Other Journals	---	Seminar/ Conferences Attended	06	Workshops Organized	03	Research Projects (Ongoing)	--
Books (Edited)	01	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	-	Sessions Chaired in Seminars/ Conferences	01	Membership of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	--
Chapters in Edited Books				Resource Lectures Delivered	--				

Details of Publications /Academic Activities (2010 Onwards):-----

(a) Authored Books/ Monographs:-----

Name of Book	Year of Publication	Publisher	ISBN No
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(b) Edited Books:-----

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

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2011	“Simulation Based Analysis of Position Based Routing Protocols in Vehicular Ad hoc Networks”	International Journal of Advances in Computer Networks and its Security	2250-3757		
2015	“Performance Evaluation of Proactive and Reactive Routing Protocols in Vehicular Ad-Hoc Network by analyzing the Effect of Traffic Light Period”	International Journal Of Advanced Technology In Engineering And Science.	2348–7550		0.569
2017	“Water quality modelling of the River Ganga using artificial neural network with reference to the various training functions”	Environment Conservation Journal [UGC Approved, 2017].	ISSN 0972-3099 (Print) 2278-5124 (Online)		0.914 (Index Copernicus Value 78.13)
2017	“An Investigation of Assessment and Modelling the Water Quality of Rivers Based on Artificial Neural Networks- An Initiative towards the River Ganga”	International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE) [UGC Approved, 2017].	2454-4248		6.035
2019	“Artificial Neural Network Based Water Quality Forecasting Model for Ganga River”	International Journal of Engineering and Advanced Technology (IJEAT) [Scopus]	2249–8958		5.97 B Impact Factor (2018)

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation on Google/web of science
National	International							
--	01	Predictive Intelligence Using Big Data and the Internet of Things	Application of Predictive Intelligence in Water Quality Forecasting of the River Ganga Using Support Vector Machines	IGI Global, USA [Scopus].	2018	ISBN 10: 1522562109, E-ISBN 13: 9781522562115	doi:10.4018/9781522562108.ch009	

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

Resource person	Detail of Event	Title of Lecture	Date	Institution
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(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 to 23/02/2015 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, 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.

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

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
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(h) Administrative Positions/Assignments Held

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

Post	Organization	Duration	
		From	To
Warden Boys Hostel	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
Incharge Internet Lab.	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
Incharge Oracle Lab.	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
Officer Incharge, Student Welfare	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
Asstt. Officer Incharge, EPABX	K.E.C. Dwarahat, Almora, Uttrakhand	Jan. 2007	Aug. 2008
Sector Magistrate (R) State-Panchayat level elections-2008 in Almora District, Uttrakhand	K.E.C. Dwarahat, Almora, Uttrakhand	2008	

Responsibilities & Positions held with Present Employer (MJPRU, Bareilly, U.P.)

Post	Organization	Duration	
		From	From
Incharge Examination	CSIT, MJPRU, Bareilly, U.P.	2008	2018
Member, Committee for revision of syllabus of B.Tech. Computer Science	CSIT, MJPRU, Bareilly, U.P.	In 2015	
Member, Committee for preparing data for mentoring of TEQIP-II	CSIT, MJPRU, Bareilly, U.P.	In 2015	
Member, TEQIP-II sub-committee for incremental	CSIT, MJPRU, Bareilly, U.P.	In 2013	

operating cost			
Incharge, RTI	CSIT, MJPRU, Bareilly, U.P.	2008	2013
Member Counseling team	CSIT, MJPRU, Bareilly, U.P.	2011, 2012, 2013	
Observer, CCC ON LINE Examination, Feb-2012	conducted by NIELIT (Formerly DOEACC Society) Gorakhpur Centre, U.P.	2012	
ACS, B.Tech. End Semester Examination Committee	FET, MJPRU, Bareilly, U.P.	December-2012, April-2013, May-2014, January-2015.	
Assistant Coordinator, Central Evaluation, Sem. Exam.	At Evaluation Centre No. 01, MJPRU Campus, Bareilly.	January, 2015	
Incharge, Industrial Training CSIT, Deptt. (B.Tech. & MCA)	CSIT, MJPRU, Bareilly, U.P.	2018	2019
Student Advisor (MCA 2 nd Year)	CSIT, MJPRU, Bareilly, U.P.	2018	2020
Incharge, Seminar, (B.Tech. CSIT)	CSIT, MJPRU, Bareilly, U.P.	2018	Continued
Incharge, Seminar, (MCA)	CSIT, MJPRU, Bareilly, U.P.	2019	Continued
Member, SAR Preparation Team for NBA Accreditation	CSIT, MJPRU, Bareilly, U.P.	2019	Continued
Incharge Multimedia Lab.	CSIT, MJPRU, Bareilly, U.P.	2009	Continued
Member, Department Procurement Committee	CSIT, MJPRU, Bareilly, U.P.	2018	Continued
Mentor (B.Tech 1st Year, Roll. No. 21 to 40)	CSIT, MJPRU, Bareilly, U.P.	2017	Continued
Student Advisor (B.Tech (CSIT), 2 nd Year)	CSIT, MJPRU, Bareilly, U.P.	2020	Continued
Member, FET Examinations Committee	FET, MJPRU, Bareilly, U.P.	2020	Continued
Incharge, Department Training & Placement	CSIT, MJPRU, Bareilly, U.P.	2020	Continued
Co-coordinator, University Grassroots Innovation Centre (GRIC)	MJPRU, Bareilly, U.P.	2020	Continued

(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 WECN-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.
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*", **National Seminar** 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*", **National Seminar** 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*", **World Conference** on Advances in Communication and Control Systems (CACCS-2013), April 06-08 2013, organized by DIT University, Dehradun, Uttarakhand, 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*", **International Conference** 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*", **National Conference** 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 International Conference** 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](https://doi.org/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 International Symposium** 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.**

(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).

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

(l) International Academic Exposure:-----

(m) Any Other Details:

- **Short Term Courses / Faculty Development Programme / Workshops Attended**
(One Week/Two Weeks): 22
- **Short Term Courses / Faculty Development Programme / Training Program/ Workshops Attended:** (Less than a week): 08
- **Orientation Program:** 01 and **Refresher Course:** 01
- **Completed Online Certification course** on “Machine Learning” conducted by E & ICT Academy, **IIT Kanpur, Ministry of Electronics & IT, Govt. of India** in April, 2018.
- **Faculty In-Charge, Virtual Lab Development (VLAB-An Initiative of MHRD, Govt. of India, under the National Mission on Education through ICT)** of Analysis and Design of Algorithm (ADA) lab. (**Under Progress**) in collaboration with IIT-Roorkee, with MJPRU as Nodal Center of Virtual Labs.
- **Co-coordinator, MJP-Rohilkhand University Grassroots Innovation Centre (GRIC)**

Signature of Faculty Member