

## INDIRA GANDHI UNIVERSITY MEERPUR, REWARI DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## Resume

Dr. (Mrs.) Reena Hooda Date of birth and place: 09.01.1982, Rohtak Date of Joining: 25.06.2012 Present Designation: Assistant Professor Gender : Female Marital Status : Married



#### Objective

To work with an esteemed education institute that will provide me a good platform to utilize my teaching & administration skills and will help me to grow my career.

#### **Professional Experience**

Total teaching experience (full time): 14 Years (approx.)

#### **Employment Details (in Chronological Order):**

Sr. No.	Name of Institution	Designation	From	То
(i)	AIJHM College, Rohtak	Lecturer	02.11.2006	12.01.2007
(ii)	PDMCE, Bahadurgarh	Assistant Professor	28.07.2007	25.06.2012
(iii)	IGPGRC,MDU, Rohtak/IGU, Meerpur (Rewari)	Asstt. Professor	25.06.2012	Till Date

#### Classes/Paper Taught:

During the above mentioned tenures handled the following classes:

- **PG Classes:** Distributed Computing Networks and Applications (DCNA), Principles of System Programming and Compiler Design (PSPCD), Data Base Management System (DBMS) Advanced DBMS, Operating System (OS), Network Management & Programming (NMP), Computer Organization and Architecture (COA). Python, R, Data Warehousing and Mining.
- **Graduate Classes:** Data Base Management System (DBMS), Distributed Computing Networks and Applications (DCNA), C++, Python

#### **Professional Qualification**

- PhD in Computer Science from M D University, Rohtak in 2011.
  - **Specialization :** Analysis & Development of Data Warehouse and Data Mining Techniques.
- MCA from M D University, Rohtak in 2005 with 79.5% marks with distinction.
- MBA (Finance) from M D University, Rohtak in 2007 with 78.4% marks.
- Short Term Programmes:

Name of Course	Organized by	Duration
Data Science: Visualization	Harvard University	8 weeks
Data Science: R Basics	Harvard University	8 weeks
Machine Learning with Python - Level 1	IBM	8 weeks
Analyzing Data with Python	IBM	8 weeks

## Awards/Honour/prizes

- Best Presenter at 2nd Refresher Course in IT (08June to 28th June 2011)
- Won First prize in Extempore on IMSAR Day-2003.
- Stood First in Paintbrush during the "Compu Fest, 2003", held in University College, Rohtak.
- 2<sup>nd</sup> position in District level Painting competition.

#### Publications: Journals: 32 Chapters: 14 Presentation in Conferences/Expert Lectures: 28

#### PUBLISHED RESEARCH PAPERS IN PEER-REVIEWED OR UGC LISTED JOURNALS

S. No.	Title with volume no., page nos. and date/year of publication	Journal	ISSN/ ISBN No	Whether you are main Author
1.	Havocs of Wheat Allergy on Sports Performance in Haryana and Application of Apriori Association Rule Mining to Detect Hidden Relationships between Various Factors of Allergies. VOL 8, ISSUE 11., PP 2241-2244 October, 2019	International Journal of Scientific & Technology Research	ISSN 2277-8616	Corresponding Author/Second Author
2.	Information Technology Miseries: Cyber Molestations against Women & Children. VOL 8, ISSUE 9. PP. 2259-2261, September 2019	International Journal of Scientific & Technology Research	ISSN 2277-8616	Single Author
3.	Implementing Biomechanics to Study Motions of Judokas through Kinovea Software for Enhancing their Performance & Maintaining Center of Gravity during Throwing Techniques. Volume-8 Issue-5, PP.1607-1613. June 2019	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958	Corresponding Author/Second Author

4.		International Journal of Recent Technology	ISSN: 2277-3878	Main Author
	Biomechanical Judo Combating. Volume-8, Issue-2, PP 3301-3307. July 2019			
5.	Science in Biomechanics for Enhanced Accuracy and Performance of a Sportsman. 4(1): 1742-1744.2019	International Journal of Physiology, Nutrition and Physical Education (IJPNPE)	2456-0057	Corresponding Author/Second Author
6.	Optimizing Multi-Path Decision Tree by Clustering and K-Nearest Neighbor Methods. Vol. 4.(2). P-7-14, 2010.	-	0973-9904	Corresponding Author/Second Author
7.		International Journal of Intelligent Information Processing	0973-3892	Corresponding Author/Second Author
8.	Support to Analyse Students performance Through	International Journal of Advance Engineering and Research Development	e-2348-4470, p-2348-6406	Single Author
9.	VOL 8, ISSUE 8. PP-375-377, August 2019	International Journal of Scientific & Technology Research.	ISSN 2277-8616	Single Author
10.	Outreach Areas. Volume 6, Issue 6, PP 66-69. 2019.	International Journal of Information and Computing Science.	0972-1347	Single Author
11.	Volume 10, Number 5 PP. 741-746. 2017	Advances in Computational Sciences and Technology. Research India Publications. (ACST)	Print ISSN 0973- 6107 Online ISSN 0974-4738	Main Author
12.	Review of Crowd Computing As A Sourcing Tool And An Innovative Field of Data Mining. Volume.6, Issue 2, pp.1316-1320. April 2018	International Journal of Creative Research Thoughts – IJCRT.	2320-2882	Single Author
13.	Clustering Methods, Tree Classifier of Data Mining. Volume 5 Issue 6. PP. 145 – 149. June 2017.	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	2321-8169	Single Author
14.	Volume 8, No. 5, PP. 407-409. May-June 2017.	International Journal of Advanced Research in Computer Science.	0976-5697	Single Author
15.	Plastic Money Security Issues In India. Vol. 10, No. (2). PP. 408-412. June 2017	Oriental Journal of Computer Science & Technology.	ISSN : 0974-6471 Online ISSN : 2320-8481	Main Author

16.	Exploring Relationship Between Position Winning And Specialization of Students Using SAS. Vol. 8, Issue, 6, pp. 17859-17862. June, 2017.		0976-3031	Single Author
17.	A Study on Data Transmission in Bluetooth. Vol.6, No.6, P.258-260. 2014	Ciit, International Journal Of Data Mining & Knowledge Engineering	0974-9683/9578	Single Author
18.	Effectiveness of Mobile Money Transfer Technology In Rural Area In India. Vol. 5, Issue 1&2, Pp. 67-72, April & Oct, 2014.		ONLINE: 2230- 9284 Print: 0976- 1268	Single Author
19.	Bluetooth Standard 802.15: Facets of Technology. Vol 6, No.1, Pp: 58-61. May- Oct, 2013.	Kaim Journal of Management And Research.	0974-9462	Corresponding Author/Second Author
20.	Clustering in Management Vol 3, No. 3 & 4, Pp.12-16. 2008	Sandesh –Mastnath Journal.	0973-4058	Corresponding Author/Second Author
21.	Radio Communication: Bluetooth And Its Configuration. Vol.2, Issue 6, Pp: 127-130. June, 2014.		2001-5569	Single Author
22.	Clustering Knn And Decision Trees. Vol.2, P. 64-68, April 2015.	International Organization Of Scientific Research Journal Of Computer Engineering. Conference Proceedings	e-: 2278-0661 Print: 2278-8727	Single Author
23.	Advantages. Vol 4 Issue 11, Pp: 20362-20365, 2016.	International Journal of Innovative Research In Computer and Communication Engineering.	2320-9798/9801	Single Author
24.	Mining Data through Clustering in SAS Studio. Vol. 4, Issue 12, PP. 21895-21900, 2016.	International Journal of Innovative Research in Computer and Communication Engineering.	Online: 2320-9801 Print: 2320-9798	Single Author
25.	Mining the Web: Issues and Appliances. V(3), No. (1), PP 1-7 2010.	KAIM Journal of Management & Research (Bi-annual Journal of KAIM), Volume 3, No.1, May-October 2010.		Corresponding Author/Second Author
26.	Applicability of Fuzzy Logic In Clustering. 2(1). P-01- 08, 2009.	MR International Journal of Engineering and Technology	0975-4997	Corresponding Author/Second Author
27.	A Survey of Text Mining Techniques, Tools,	Journal of the Maharaja	0025-0422	First Author

	Applications. Vol 54. No 2(X). 2020-2021.	Sayajirao University of Baroda. Maharaja Sayajirao University of Baroda		
28.	A review on "fraud detection using data mining technique". Vol 5, No 2(IV). 2020-2021.	Journal of the Maharaja Sayajirao University of Baroda. Maharaja Sayajirao University of Baroda	0025-0422	First Author
29.	Reinforcement Learning Paradigm & Decision Making. Volume 9 Issue IV Apr 2021	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653	Single Author
30.	Designing Reinforcement Learning Model for Decision-making & Implementing Graph Theory for Shortest Path. Volume 7,Issue 4 in April 2021	International journal for science and advance research in technology (IJSART)	ISSN: 2395- 1052	Single Author
31.	Applicability of Association Rules in Finding Correlations among COVID-19 patient's data and Importance of fuzzy set theory in predictions. 7(5): 166-169. IJAR 2021.	International Journal of Applied Research (IJAR)	Print: 2394-7500, Online: 2394- 5869, CODEN: IJARPF	
32.	Data Replicas in Fragmentation in Distributed Computing. IJSART - Volume 7 Issue 5 – MAY 2021.	International Journal for Science and Advance Research in Technology (IJSART)	ISSN [ONLINE]: 2395-1052	

## **Books/Chapters Published:**

Sr. No	Title of Chapter	Title of Book, Year, Page Numbers	Publisher	International/ National	ISSN/ISBN	Whether Sole Author first/ principal or Co-author
1.	Online Communication: Tools, Objectives and Issues.	Digitization. 2018. pp.	Maharaja Agrasen University Publications, New Delhi. 2018.	National	ISBN: AR No 3093/ISBN/201 8/A	First Author
2.	Understanding Data Analytics, Data Science, Big Data & Data Analysis.	Advances in Computer Science"- Vol. 4. pp.	AkiNik Publications New Delhi, 2019	National	978-93-5335- 487-9 E-Book ISBN: 978-93-5335- 488-6	Sole Author

Sr. No	Title of Chapter	Title of Book, Year, Page Numbers	Publisher	International/ National	ISSN/ISBN	Whether Sole Author first/ principal or Co-author
3.	Foundations of Data Base and Mapping to Data Warehouse.	Research Trends in Multidisciplinary Research. Vol 4. 2019. pp. 153-167	AkiNik Publications New Delhi, 2019	National	978-93-5335- 515-9 E-Book ISBN: 978-93-5335- 516-6	Sole Author
4.	Covid-19 Pandemic: Applications of Video Tutorials for Blended Learning	Impact of COVID- 19 on Indian Society: Challenges & Opportunities. First Edition : 2020, pp. 19-25	Balaji Publications Meerut- 250001, First Edition : 2020	National	ISBN 978-93- 85756-99-6	Sole Author
5.	Chapter – 5 Python: A Language for All	Current Trends in Multidisciplinary. 2020	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u>	International	ISBN: 978-1- 913482-76-3	Sole Author
6.	Chapter - 6 Types, Inputs and Outputs in Python"	Current Trends in Multidisciplinary.20 20	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> .	International	ISBN: 978-1- 913482-76-3	Sole Author
7.	Chapter - 7 Working with Strings in Python and String Operations	Current Trends in Multidisciplinary. 2020	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England Email- rubiconpublications@gmail. com.	International	ISBN: 978-1- 913482-76-3	Sole Author
8.	Data Science and R for Analytics.	New Paradigm in Business & Education. 2020.	National Press Associates, New Delhi. Email: npapublishing@gmail.com <u>www.npapublishing.in</u>	National	ISBN: 978-81- 944303-8-4	First Author
9.	IOT Applications and Role of Fog Computing in Distributed Computing.	Current Trends in Multidisciplinary Research. Vol 5. 2021, pp. 01-12.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u>	International	ISBN: 978-1- 913482-65-7	Sole Author

Sr. No	Title of Chapter	Title of Book, Year, Page Numbers	Publisher	International/ National	ISSN/ISBN	Whether Sole Author first/ principal or Co-author
			<u>com</u> 2021.			
10.	Django Framework for Web Development.	Current Trends in Multidisciplinary Research. Vol 5. 2021, pp. 13-24.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> 2021.	International	ISBN: 978-1- 913482-65-7	Sole Author
11.	Working with Data Frames in R.	Current Trends in Multidisciplinary Research. Vol 5. 2021, pp. 25-38.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> 2021.	International	ISBN: 978-1- 913482-65-7	Sole Author
12.	.Data Analysis in R: Working on Data Sets.	Current Trends in Multidisciplinary Research". Vol 6, 2021, pp. 01-14.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> 2021.	International	ISBN: 978-1- 913482-65-7	Sole Author
13.	Filtering the Covid- 19 Data of India in R Studio.	Current Trends in Multidisciplinary Research". Vol 6, 2021, pp. 15-28.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> 2021.	International	ISBN: 978-1- 913482-65-7	Sole Author
14.	Data Mutations and Plotting in R.	Current Trends in Multidisciplinary Research". Vol 6, 2021, pp. 29-42.	Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A 2RP, England <u>Email-</u> <u>rubiconpublications@gmail.</u> <u>com</u> 2021.	International	ISBN: 978-1- 913482-65-7	Sole Author

### PG Project and Research Guidance

Sr. No.	Class	Number of students	Thesis/dissertations Submitted	Degree awarded	
1.	MCA	80	(PG Major Project of MCA final Year -6 Months )		
2.	Ph.D. (MDU)	03	-	-	
	Total API Score				

## <u>Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation</u> <u>Technology Programmes, Soft skills development Programmes, faculty Development</u> <u>Programmes</u>

Sr. No	Programme	Duration	Organized by
1.	Orientation Course with Grade "A"	04 Week (10.02.2014 to	JNU, New Delhi
		07.03.2014)	
2.	UGC Sponsored Refresher Course with Grade "A"	08.06.2011 to	UGC, ASC, BPSMV, Khanpur Kalan
		28.06.2011	(Sonepat)
3.	National Workshop on Research Methodology and	22.04.2014 to	Department of Commerce
	Computer Applications (NWRMCA-2014)	28.04.2014	Department, IGU, Meerpur (Rewari)
4.	Participation in Refresher Course in "8 <sup>th</sup> Information	May 17-June 07, 2018.	UGC-HRDC, BPSMV, Khanpur
	Communication Technology (ID)".		Kalan, Sonepat, Haryana.
5.	Participation in RUSA Sponsored Online Refresher	Feb. 08-Feb. 20, 2021.	UGC-HRDC, University of Mumbai.
	Course in "Robotics and Internet of Things"		
6.	Participation in One Week Faculty Development	June 15-22, 2020.	Indira Gandhi University, Meerpur,
	Programme on "MOOCs and MOODLE based		Rewari.
	Learning Management System through Online Mode.		
7.	Participation in Two Weeks Faculty Development	May 18-June 03, 2020.	Teaching Learning Centre,
	Programme Sponsored by MHRD PMMMNMTT on		Ramanujan College, University of
	"managing Online Classes and Co-creating		Delhi.
	MOOCS:2.0"		

## <u>Invited lectures/ Resource Person/paper presentation in</u> <u>Seminars/Conferences/full paper in Conference Proceedings (Paper presented</u> <u>in paper in Seminars/Conference and also published as full paper in</u> <u>Conference Proceedings will be counted only once</u>):

Sr. No.	Title of Invited Lecture/Pa per Presented	Title of the Conference/Semi nar etc. and Organizer	Date(s) of the Event	Whether International (Abroad)/Internat ional (Within Country)/National/ State/University	Whether published as full paper in Conference Proceedings
1.	ARCHITECTURE	INTERNATIONAL	27.07.2014	INTERNATIONAL	YES
	OF DATA	INTERDISCIPLINARY CONFERENCE			
	WAREHOUSE: A	ON CONTEMPORARY ISSUES IN			
	REWORK	COMMERCE, MANAGEMENT,			
		COMPUTER APPLICATIONS AND			
		SOCIAL SCIENCES by Gaur Brahman			

		PG College Rohtak (Haryana)			
2.	THROUGH	THIRD INTERNATIONAL CONFERENCE ON INNOVATION IN TECHNOLOGY & MANAGEMENT (31CON-2015), at CSIA, New Delhi by Pravish Rajnam Centre for Management Educaton.		INTERNATIONAL	NO
3.	ALGORITHM FOR IMPROVING DATA SECURITY			NATIONAL	YES
4.	DECISION TREE	ADVANCED COMPUTING RESEARCH (NCACR-2015),		NATIONAL	YES
5.	HUMANOID ROBOTS ON SOCIETY	NATIONAL CONFERENCE ON ADVANCED COMPUTING RESEARCH (NCACR-2015) DCSA, IGU Meerpur		NATIONAL	YES
6.	INFLUENCES OVER DATA	NATIONAL CONFERENCE ON EMERGING COMPUTING TECHNOLOGIES AND ICT FOR DEVELOPMENT-2015(NCECT & ICTD-2015). DCSA MDU Rohtak		NATIONAL	NO
7.	THE ISSUES IN	CONGRESS (CHASCON-2015). Panjab University, Chandigarh.	25 <sup>TH</sup> – 27 <sup>TH</sup> FEB, 2015	NATIONAL	NO
8.	MINING: ROLLING FROM DATA TO	INTERNATIONAL CONFERENCE ON INNOVATIVE TECHNOLOGIES Research and Development in Science, Technology and Management (ICIT-09) AT PDMCE, BAHADURGARH		INTERNATIONAL	NO
9.	TRANSFER TECHNOLOGY:	NATIONAL CONFERENCE ON EMERGING TRENDS IN MOBILE TECHNOLOGIES & SECURITY (ETMTS-11)	,	NATIONAL	NO

		DCSA, MDU Rohtak			
	PROSPECTS AND CHALLENGES IN MANUFACTURING -LED GROWTH, COMPETITION IN MAKE IN INDIA	CHALLENGES, JOINTLY ORGANIZED BY IMSAR ALUMNI ASSOCIATION AND INSTITUTE OF		NATIONAL	NO
11.	BLUETOOTH STANDARD 802.15:	NATIOAL CONFERENCE ON ADVANCES IN COMPUTING COMMUNICATION NETWORKS AND ELECTRICAL SYSTEMS (NCACCNES-2012), UIET, MDU ROHTAK.	2012	NATIONAL	NO
	INDIA:ISSUES IN EXECUTION	NATIOAL CONFERENCE ON "DIGITAL INDIA: PROSPECTS AND CHALLENGES" (2017), AT IMSAR, MDU ROHTAK.	2012	NATIONAL	NO
	Communication: Tools, Objectives and	National Seminar on "Emerging paradigm of Digitization: A management perspective" at Maharaja Agrasen Institute of Technology , New Delhi-India		National	yes
14.	Crowd Computation	Interntional Conference on "Changing Global Business environment (CGBE- 2018)". Organized by Deptt of Commerce, Management, and Tourism & Hospitality at IGU Meerpur (Rewari).	2018	International	No
	technology to reduce Unemployment	National Seminar on "Contemporary issues and Challenges in Indian Economy". Organized by Dept. of Economics, IGU Meerpur (Rewari).		National	No
	Analysis under big Data Base	National Conference on "Future Innovations in Computing Technologies & Machine Learning". Organized by . DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS MAHARSHI DAYANAND UNIVERSITY, ROHTAK, HARYANA (INDIA)	2017	NATIONAL	No
		National Conference on " Emerging Issues in Financial Sector in India".	8 <sup>TH</sup> FEB 2017	NATIONAL	NO

	COMPLICATIONS	" (2017), AT IMSAR, MDU ROHTAK.			
18.	Data Mining	National Conference on Advance Computing Research (NCACR), 2015 DCSA, IGU Meerpur	20.2.2015	National	-
19.	Women and Women	A campaign for Facebook project, titled- She: Abuse from Womb to the World. Program organized at IGU Meerpur	•	International	
	Entrepreneurship:	International Conference on "Women's Participation in Economic & Social Development in South Asia: Role, Status & Challenges". Organized by Women Studies Centre, India Gandhi University Meerpur (Rewari).	2019	International	
	Improving the Financial Conditions	International Conference on "Women's Participation in Economic & Social Development in South Asia: Role, Status & Challenges". Organized by Women Studies Centre, India Gandhi University Meerpur (Rewari).	2019	International	No
	Information Technology in	National Seminar on "Rao Mohar Singh's Vision on Education & Rural Development" organized by Rao Mohar Singh Research Chair. IGU Merpur (Rewari).		National	No
	facing Interview Confidently.	Placement Cell, Government College Kharkhara, Rewari.	Nov 28, 2018	College level	_
		Placement Cell, Government College Kharkhara, Rewari.	Nov 28, 2018	College level	-
	"Role of IT in Enhancing Education" In Technical Session- II	National Conference on "Contemporary issues in Education" Organized by Department of Education. IGU Meerpur (Rewari).		National	
26.	"Impact of COVID- 19 on Technological Advancements in Education and Business",	One-Day National Webinar On "Impact of COVID-19 Pandemic on Governance, Economy & Environment" Organized by Department of Political Science and Environmental Sciences. IGU Meerpur	January 15, 2021	National	
	"Role of Information technology in resolving issues in	National Seminar on "Goods and Services Tax: Emerging Issues And Challenges". Organized by Gaur Brahman College,	29 <sup>th</sup> February, 2020.	National	

	GST."	Rohtak		
28		Women Cell, Government College Kharkhara, Rewari.	February 02 ,2021	

# **Correspondence address:**

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