

Ms. Ekta Narwal

Assistant Professor, Computer Science,
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Social Navigation URLs

ResearchGate https://www.researchgate.net/profile/Ekta_Narwal

Google Scholar <https://scholar.google.com/citations?user=2jEBDtcAAAAJ&hl=en>

Personal Details:

Father's Name	Sh. Rajender Singh
Date of Birth	11 November, 1988
Language	Hindi, English

Educational Qualifications:

2014	Pursuing Ph.D. (Comp. Sc.)	M.D. University, Rohtak
2013	Pre-Ph.D. (Comp.Sc.)	M.D. University, Rohtak
2011	MCA	M.D. University, Rohtak
2010	Qualified NET	
2010	M.Sc. (Computer Science)	M.D. University, Rohtak
2008	B.Sc.	M.D. University, Rohtak
2005	12 th	C.B.S.E.
2003	10 th	H.B.S.E.

Technical Expertise/ Software Skills:

Operating System	Windows-98, 2000, Windows-XP, NT, 7, 8, 10 &UNIX
Language	C, C++, Visual Basic 6.0, JAVA, VB.NET
Database	SQL Server 2000/2005, MS-Excel MATLAB

← Educational/Professional Experience: 8 years →

1. Assistant Professor, Computer Science, Department of Mathematics, Maharshi Dayanand University, Rohtak from 2nd March, 2012 to till date.
2. Guest Lecturer, Department of Mathematics, Maharshi Dayanand University, Rohtak from January 2011 to 1st march 2012.

← Research Publications: →

Published in Journals : 3
Published in Conference Proceedings : 1

Details of the above are given in Annexure –I

← Area of Research: →

- Network Security
- Artificial Neural Network
- Vehicular Ad Hoc Networks

← Awards: →

1. Awarded **UNIVERSITY COLOUR** for the session **2006-07** in the field of Cultural Activities by Pt. Neki Sharma Government College, Rohtak.
2. Won **FIRST PRIZE** in Zonal Youth festival of M.D.University, Rohtak in the sessions **2005-06** in One Act Play (Hindi).
3. Won **FIRST PRIZE** in Zonal Youth festival of M.D.University, Rohtak in the sessions **2006-07** in One Act Play (Hindi).
4. Won **THIRD PRIZE** in Inter-Zonal Youth festival of M.D.University, Rohtak in the session **2006-07** in One Act Play Hindi.

← Workshops / Conferences/ Other Courses/Extension Lectures: →

1. Workshops : 16
2. Orientation Course : 1
3. Refresher Course : 1
4. Conferences/ Seminars: 12
5. Extension Lectures : 8

Details of the above are given in Annexure –II



Supplementary Information:

➤ University Level

- **Counsellor** YRC (Girls), UTD M.D. University, Rohtak (2017 to till date)
- **Co-ordinator, CCPC, Department of Mathematics**, M.D. University, Rohtak (September, 2017 to till date)
- **Programme Officer** NSS, Girls(Unit-II),UTD, M.D. University, Rohtak (2014-2017)
- **Assistant Secretary**, Faculty Club, M.D. University, Rohtak (2013-2015)
- **Member Organizing Committee** of Inter-Zonal Youth Festival, M.D. University, Rohtak. (2017-2018, 2014-2015).
- **Member Organizing Committee** of 21st National Youth Festival held at M.D. University, Rohtak. (2016-2017).
- **Member Organizing Committee** of Folk Festival, M.D. University, Rohtak. (2014-2015)
- Participated in Induction Program as P.O., N.S.S. held in Tagore Auditorium, M.D. University, Rohtak. (August 10, 2015)
- Participated as **Teacher In-charge** in Science Conclave-2014, M.D. University, Rohtak. (February 22-23, 2014)
- **Member of organizing committee** of various Cultural Programmes at Teachers' Club like New Year Celebration, Lohari Party, Sports meet, Diwali Party etc.
- **Member of Inspection Committees** for the inspection of college affiliated to M.D. University, Rohtak.

➤ Department Level

- **Organized** One-Day Seminar on "Career and Placement Guidance in Mathematics" as Departmental Co-ordinator of CCPC, at Department of Mathematics, M.D. University, Rohtak. (November 15, 2017)
- **Member Organizing Committee** of National Seminar on Recent Developments in Mathematical Sciences (NSRDMS-2017) at Department of Mathematics, M.D. University, Rohtak. (March 7 & 8, 2017)
- **Member Organizing Committee** of **one day workshop** on "Communication and Soft Skills" held at Department of Mathematics, M.D. University, Rohtak. (October 16, 2015)
- **Member Organizing Committee** of Blood Donation Camp & Eye Donation Pledge Camp, Department of Mathematics, M.D. University, Rohtak. (September 16, 2015)
- **Member of the committee** for redressal of grievances of students from May 8, 2013 at Department level.

- **Organized** an educational one day trip to “World of Wonder and GPL Mall (Noida) on September 14, 2013 as teacher in-charge.
- **Teacher in-charge** of the team of the department of Mathematic in Quiz Contest under Banner of “Ch. Mayachand Memorial Mathematics Quiz” on September 21, 2013.
- **Member of organizing committee** of Intradepartmental Talent Search Programme for students of the department on September 14, 2012.
- **Member of organizing committee** of International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis at Department of Mathematics from November 21-24, 2012.
- **Member** of various Committees at Department level like Student activities (including educational tours), Admissions, Refreshment, Laboratory in-charge, Class Co-ordinator, Eco- Club.



Annexure –I

- Ekta Narwal, Sumeet Gill, “Perceptrons Heping to Secure VANETs” in International Journal of Advanced Research in Computer Science, Vol. 8, Issue 3, March-April, 2017. [ISSN: 0976-5697] ICV: 66.64, SJIF: 5.845, ISRA JIF: 3.727, RGIF: 0.29, GIF: 0.7659, Impact Factor = 5.845.
- Ekta Narwal, Sumeet Gill, “Secure and Faster Key Management of Elliptical Curve Cryptography in VANETs” in International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR), Vol. 7, Issue 4, August, 2017. [ISSN: 2249-7943(Online), 2249-6831(Print)] ICV: 60.28, NAAS Rating: 3.76, Impact Factor (JCC): 8.8765.
- Ekta Narwal, Sumeet Gill, ”Securing Vehicle Numbers using Artificial Neural Networks”, in International Journal of Computer Sciences and Engineering, Vol. 5, Issue 10, October, 2017. [E-ISSN: 2347-2693], IARC Impact Factor: 2.638.
- Ekta Narwal, Sumeet Gill, “Security Issues in BluetoothTechnology- A Review" in International Conference on Innovative trends in Computing Technology & Mathematics (ITCTM-2015) conference proceedings organised by Delhi Institute of Technology & Management, Sonapat (Haryana) on March 14, 2015. (ISBN 978-81-929035-0-7)



Annexure –II

- **Attended 18th** Orientation Program from April 22, 2014 to May 20, 2014 at UGC-ASC, BPS University, Khanpur Kalan (Sonapat).
- **Attended Refresher Course/Winter School** “Training in Geospatial Technologies” from December 8, 2015 to December 28, 2015 at Department of Geography, M.D.University, Rohtak.

Conferences and Seminars

1. **Attended** International Colloquium on History of Mathematical Sciences & Symposium on Non- Linear Analysis” held, during 16-19 May, 2011 organised by Department of Mathematics, Kumaun University, S.S.J.Campus, Almora and Indian Society for History of Mathematics.
2. **Presented a paper** on “MANETS, Security and Artificial Intelligence” in International Conference on History and Development of Mathematical Sciences and Symposium On Nonlinear Analysis organized by Department of Mathematics, M.D.University, Rohtak from Nov. 21 2012 to Nov. 24 2012.
3. **Presented a paper** on “Security Issues in BluetoothTechnology- A Review” in International Conference on Innovative trends in Computing Technology & Mathematics (ITCTM-2015) organised by Delhi Institute of Technology & Management, Sonapat (Haryana) on March 14, 2015 and paper published in conference proceedings.
4. **Presented a paper** on “A Comparative Study of Wireless Protocols: Bluetooth, ZigBee, WirelessHART and Wibree” in National Conference on Innovations in IT, Management & Education – Digital India Initiative (IIMEDI-2015) organised by Maharaja Surajmal Institute, Janakpuri, New Delhi-110058 on March 21, 2015.
5. **Presented a paper** on “Securing Vehicle Numbers in Automatic Gate Entry System using Back Propagation Model” in International Conference on Recent Trends in Engineering and Material Sciences(March 17-19, 2016) at Jaipur National University, Jaipur (Rajasthan).
6. **Presented a paper** on “Security Enhancement of Digital Signatures” in National Conference on Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17) held on March 06, 2017 at Department of Computer Science and Applications, Maharshi Dayanand University, Rohtak.

7. **Attended National Seminar** on Recent Developments in Mathematical Sciences (NSRDMS-2017) held on March 7 & 8, 2017 at MDU organized by Department of Mathematics, MDU, Rohtak.
8. **Presented a paper** on "Cryptography Applied to Secure Vehicular Ad Hoc Networks" in International Conference on Mathematics & Applications (ICMA-2017) held on April 26-28, 2017 at Ramjas College, University of Delhi.
9. **Presented a paper** on "Security Key Management in VANETs using Artificial Neural Networks" in 21st International Conference of International Academy of Physical Sciences on Symbiotic Development of Mathematical, Physical, Chemical & Computational Sciences & Symposium on Recent Advances and Future Directions on Mathematics in Bio- Sciences held on 28-30 October, 2017 organized by Department of Mathematics, Guru Jambheshwar University of Science & Technology Hisar.
10. **Presented a paper** on "Enhancing Security of ECC keys in VANETs using Artificial Neural Networks" in National Conference on Future Innovations in Computing Technologies and Machine Learning (FICTML-17) held on November 21, 2017 at Department of Computer Science and Applications, Maharshi Dayanand University, Rohtak.

Workshops and Seminars

1. **Attended workshop** on "Applicability of Statistical tools using SPSS" held on May 13, 2013 at Department of Mathematics, MDU, Rohtak.
2. **Attended** "Workshop on Neural Network and its implementations with MATLAB" on 17th & 18th January, 2014 at BVIMR, New Delhi.
3. **Attended National Workshop** on "SPSS & R Software" held on February 20, 2015 at Department of Statistics, M.D.University, Rohtak.
4. **Attended Workshop** on "Sexual Harassment and Violence against Women: Prevention, Prohibition & Redressal" held on February 26-27, 2015 at M.D.University, Rohtak.
5. **Attended two days workshop** on "Quality Assurance and Accreditation" held on March 19-20, 2015 at M.D.University, Rohtak.
6. **Attended one day workshop** on "Communication and Soft Skills" held on October 16, 2015 at Department of Mathematics, M.D.University, Rohtak.
7. **Attended one day Workshop** on "All India Survey on Higher Education" held on November 20, 2015 at M.D.University, Rohtak.
8. **Participated in workshop on** "Gender Sensitization and Women Safety at Workplace" held on February- 9 & 10, 2016 at MDU, Rohtak organized by Committee to check sexual harassment and violence against women at workplace (SCSHVW).
9. **Participated in workshop on** "E-Governance in India: Issues and Challenges" held on October 05, 2016 at Department of Public Administration, MDU, Rohtak.
10. **Participated in One day Author Workshop** held on November 18, 2016 at MDU, Rohtak organised by, Vivekananda Library, MDU, Rohtak in association with Elsevier.
11. **Participated in workshop on** "All India Survey on Higher Education" held on March 17, 2017 at MDU, Rohtak organised by AISHE Cell, MDU, Rohtak.

- 12. Participated in workshop on “Cyber Security and Digitalization”** held on November 09, 2017 organised by Youth Red Cross of Maharshi Dayanand University, Rohtak at Tagore Auditorium.

One Week (7 Days Workshops or Training)

- 1. Attended one week National Workshop** on “Problem Solving Using Matlab” from March 24, 2014 to March 29, 2014 at DCSA, MDU, Rohtak.
- 2. Attended 7 days training programme** on "Training of Trainers on Effective Facilitation Skills" at Rajiv Gandhi National Institute of Youth Development (RGNIYD), Regional Center, and Chandigarh, India on 27 June- 3 July, 2016.
- 3. Attended 7 days National Integration Camp** of NSS as Programme Officer in Baddi Himachal Pradesh organised by Chitkara University from December 11-17, 2016.
- 4. Participated in 7 days Health Awareness Camp** of YRC as Counsellor held at Jaipur (Rajasthan) from January 15-21, 2018.

Extension Lectures

- **Delivered one extension lecture** in Department of Mathematics, M.D. University Rohtak on MATLAB in 5 days Intra-department Workshop on MATLAB and SPSS on January 19, 2015.
- **Delivered three extension lectures** in Department of Geography, M.D. University Rohtak on "Computer Programming" C++ Language- Introduction, Objects, Decisions, Algorithm & Flowcharts on March 9, 2016.
- **Delivered lectures** as Resource Person in Department of Mathematics, Indira Gandhi University Meerpur, Rewari on MATLAB in National Workshop on MATLAB and LaTeX, on August 24-30, 2016.
- **Delivered three extension lectures** in Department of Geography, M.D. University Rohtak on Computer Programming under paper Spatial Statistics, Computer Programming and Report Writing, on February 3, 2017.



Declaration:

I here declare that above mentioned information is correct up to my knowledge & bear the responsibility for the correctness of the above mentioned particulars.

Date – 01/01/2019

Place - Rohtak

(EKTA NARWAL)