

**Name of the Faculty member:** Dr. Mandeep K. Chawla



**Assistant Professor**  
**Department of Computer Sci. & Application**

✉ Email ID: [manu.chw@gmail.com](mailto:manu.chw@gmail.com)

☎ Contact Number: **0172-2603355**

h- Index: **2**

#### Areas of Interest

- Software Engineering
- Software Quality
- Programming languages

#### Educational details

Degree	Year	University	Percentage	Medals/ Positions
Ph.D	2016	Panjab University, Chd.	-	-
UGC NET	2012	-	-	-
MCA	2004	KU, Kurukshetra	70%	-
BCA	2000	Panjab Technical Univ.	81%	2 <sup>nd</sup> in univ.

#### Professional Details

Designation	From	To	Organization
Assistant Prof. (Permanent)	July 2013	Presently working	MCM DAV College for Women, Chd.
Assistant Prof. (Adhoc)	July 2006	Mar 2013	MCM DAV College for Women, Chd.

#### Awards & Recognitions

Award	Institute	Year
Ist prize (Best paper) in designated category in CHASCON 2012: 6th Chd. Science Congress	Panjab University, Chd.	2012

#### Research Publications

Title	Journal	Refereed	Date and Year of Publication	Online Link
A Quantitative Framework for Integrated Software Quality Measurement in Multi-versions Systems	IEEE Xplore (Scopus indexed) [ISBN: 978-1-5090-0044-9]	Yes	Sep 2016	DOI: <a href="https://doi.org/10.1109/IOTA.2016.7562743">10.1109/IOTA.2016.7562743</a>
BugMarks: A Tool for Mapping Bugs to Source Code Components	IEEE Xplore (Scopus indexed) [ISBN: 978-1-4673-6735-6]	Yes	Mar 2016	DOI: <a href="https://doi.org/10.1109/ICRCICN.2015.7434284">10.1109/ICRCICN.2015.7434284</a>
SQMMA: Software Quality	ACM Digital library			DOI:

Model for Maintainability Analysis	(Scopus indexed) [ISBN:978-1-4503-3650-5]	Yes	Oct 2015	<a href="https://doi.org/10.1145/2835043.2835062">10.1145/2835043.2835062</a>
Implementation of an Object Oriented Model to Analyze Relative Progression of Source code Versions with Respect to Software Quality	International Journal of Computer Applications: IJCA [ISSN 0975 – 8887]	Yes	Dec 2014	<a href="https://pdfs.semanticscholar.org/3db2/9e15bb1bb600a4402389e779ba670c2c63ea.pdf">https://pdfs.semanticscholar.org/3db2/9e15bb1bb600a4402389e779ba670c2c63ea.pdf</a>
Investigating the Strength of Relationships among Software Metrics	International Journal of Computer Applications: IJCA [ISSN 0975 – 8887]	Yes	Nov 2013	<a href="https://pdfs.semanticscholar.org/5d6d/79bc788968474873da27d8d6569dd4137e4b.pdf">https://pdfs.semanticscholar.org/5d6d/79bc788968474873da27d8d6569dd4137e4b.pdf</a>
Capturing OO Software Metrics to attain Quality Attributes – A case study	International Journal of Scientific and Engineering Research: IJSER [ISSN: 2229-5518]	Yes	Jun 2013	
Implementing Source Code Metrics for Software Quality Analysis	International Journal of Engineering Research & Technology: IJERT [ISSN: 2278-0181]	Yes	Jul 2012	

#### Miscellaneous

- Technical Program Committee/Reviewer member in second **IEEE International Conference** on Advanced Computational and Communication Paradigms (ICACCP-2019) held at Sikkim Manipal Institute of Technology, Sikkim, India during 25-28 Feb 2019.
- Technical Program Committee member/Reviewer in first **IEEE International Conference** on Advanced Computational and Communication Paradigms (ICACCP-2017) held at Sikkim Manipal Institute of Technology, Sikkim, India during 8-10 Sep 2017.
- Member, editorial board of New Horizons- A Multidisciplinary Research Journal, ISSN 2277-5218.