

Faculty Profile

Faculty Name	Dr. Manju Sardana
Designation	Associate Professor
Qualification	B.Sc., M.Sc.(Comp. Sc.), MCA, M.Tech. (Comp.Sc. and Tech.), UGC NET, Ph.D.(Comp. Sc.)
Email	Hod.bca@piet.co.in
Area of Interest	Data Mining, Pattern Recognition
Work Experience (Total)	
• Teaching	15+ Years
• Research	-
• Industry	-
• Others	-
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Artificial Intelligence, DBMS, Data Mining, Operating System, Programming with Python, Computer Networks,
Membership of Professional Bodies	
Research Publications	
• Research Papers UGC-CARE	
• Research Papers SCOPUS	1
• Research Papers WoS/SCI/ABDC	1
• List of Publications	1. Manju Sardana, R.K.Agrawal, Baljeet Kaur. A hybrid of clustering and quantum genetic algorithm for relevant genes selection for cancer microarray data. 2016, International Journal of Knowledge-based and Intelligent Engineering Systems, 20(3), 161-173. doi 10.3233/KES-160341.

	2. Manju Sardana, R.K.Agrawal, Baljeet Kaur, An Incremental Feature Selection approach based on Scatter Matrices for Classification of Cancer Microarray data. 2014, International Journal of Computer and Mathematics. Taylor and Francis. I.F- 0.69. Volume 92, Number 2, 1 February 2015, pp.277-295(19). DOI::10.1080/00207160.2014.905680. 3. Manju Sardana, R.K.Agrawal, Baljeet Kaur, Clustering in conjunction with Quantum Genetic Algorithm for relevant gene selection for cancer microarray data. In proceedings PAKDD-BDM 2013. LNCS7867, pp 428-439, ISBN: 978-3-642-40318-7 (Print).DOI: 10.1007/978-3-642-40319-4_37. 4. Manju Sardana, Baljeet Kaur, R.K.Agrawal, Performance evaluation of ranking methods for relevant gene selection in cancer microarray datasets. In proceedings MICAI 2012, LNAI vol. 7629, 2013, pp 407-418, Springer ISBN: 978-3-642-37806-5(Print). DOI: 10.1007/978-3-642-37807-2_35. 5. Manju Sardana, R.K. Agrawal, A comparative study of clustering methods for relevant gene selection in microarray data. In proceedings: ICCSEA, 2012. Advances in Computer Science Engineering and Applications (2012). Advances In intelligent and Soft Computing. Vol. 166, pp 789-797, Springer, ISBN 978-3-642-30156-8 (Print) DOI 10.1007/978-3-642-30157-5_78. 6. 6. Rajni Bala, R.K. Agrawal, Manju Sardana, Relevant gene selection using normalized cut clustering with maxima compression similarity measure. In proceedings: PAKDD, 2010. Advances in Knowledge Discovery and Data Mining (2010). LNAI vol. 6119, pp81-88, Springer, ISBN 978-3-642-13671-9 (Print). DOI: 10.1007/978-3-642-13672-6_9.
Book and Chapter Publications	

Books Authored published by International Publishers	
Books Authored published by National Publishers	
Publication of Chapter in Edited Books	
Editor of Book by International Publishers	
Editor of Book by National Publishers	
Translation Work of Book	
List of Book and Chapter Publications	
Patents	
Published	
List of published patent(s)	
Filed	
List of filed patent(s)	
PhD Guidance	
Degree Awarded	
Thesis Submitted	
M.Tech. Guidance	
Degree Awarded	
Thesis Submitted	
Research Project	
List of Research project	
Consultancy	
List of Consultancy	
Awards & Honours	
List of Awards & Honours	

Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	
● International (Abroad)	
● International (Within Country)	
● National	
● List of published papers	
Organizing National Conference/ International Conference/ FDP/STTP	
● List of Conference/FDP/STTP committee	
Social Contributions and Sports	
● List of Social Contributions and Sports	