

Dr. Vandan Tewari

Designation: Professor

Employee ID: 9129

Qualification: Ph.D.

Telephone Number: 0731-2582462

Email: vandantewari@gmail.com**About Faculty :**

Dr. Vandan Tewari Professor in Department of Computer Engineering is working in the field of Data Analysis, Data Mining and applications of machine learning; Data appropriateness for learning algorithms is the crux of machine learning and she is an avid learner in this area.

Education and Qualification:

S. No.	Degree	Specialization	Year	University/Board
1	Ph.D.	Computer Engineering	2015	RGPV, Bhopal
2	M.E.	Computer Engineering	2002	RGPV, Bhopal
3	B.E.	Computer Engineering	1998	Rajasthan University

Work Experience :

S.No.	Designation Name of Post Held	Department	Name of the Institution (Employer Name)	Period (Duration of Employment)		Total Experience (In Years)
				From	To	
1.	Professor	Computer Engineering	S.G.S.I.T.S ,Indore	23/12/19	Till date	3.0
2.	Associate Professor	Computer Engineering	S.G.S.I.T.S ,Indore	23/12/16	22/12/19	3.0
3.	Assistant Professor (Selection Grade)	Comp. Tech. & Applications	S.G.S.I.T.S ,Indore	23/12/11	22/12/16	5
4.	Assistant Professor (Senior Scale)	Comp. Tech. & Applications	S.G.S.I.T.S Indore	23/12/08	23/12/11	3.0
5.	Assistant Professor	Comp. Tech. & Applications	S.G.S.I.T.S Indore	1/01/06	22/12/08	2.5
6.	Lecturer	Computer Engineering	S.G.S.I.T.S Indore	22/12/03	31/12/05	2.0
7.	Lecturer	Computer Engineering	Mody College of Engineering	June 1999	April 2000	1.0

Research details :

- Dr. Vandan Tewari is doing research in the field of Data Mining, Data Analytics, Machine Learning, Database Engineering
- She has Guided various research based projects to BE, ME and MCA students.
- Actively involved in doing research since 2002.
- Completed PhD in Computer Engineering in 2015
- She has published various research papers in the renowned journals and conferences.

PhD Supervision:

S. No.	Name of Student	Research Area	Year of Joining	Year of Completion
1	Veerendra Shrivastava	IoT, Security, Machine Learning	(Co-Guide with Dr. Sunita Varma as Guide) 2020	Ongoing

Publications:

I. International Journal Publication			
S.No.	Title of Research Paper	Detail of Journal	Remarks,
1.	A novel approach to prevent information leakage on OSN based on trust clearance	IJCTA, 9(41), September 2016 pp. 1044-1052	ISSN: 0974-5572
2.	Aspect based Enhanced Web Service Discovery	International Journal of Scientific and Research Publications, IJSRP, (Volume 3, Issue 7) July 2013	ISSN 2250-3153
3.	Classifying Web Services based on QoS Parameters using Extended Dataset	International Journal of Computer Applications, IJCA, Volume 73 July 2013	ISSN (0975 – 8887)
4.	An Effective Web Service Ranking Algorithm based on Quality of Experience of Users	International Journal of Computer Science Issues, IJCSI,, Volume 10, Issue 4, July 2013	ISSN (online): 1694-0784, ISSN (print): 1694-0814
5.	User Oriented Web Service Discovery based on QOS Parameters in Multiple Registries	International Journal of Computer Applications. Volume 46 (24): May 2012	ISSN 0975 – 8887
6.	Extended SOA to Enable Web Service Discovery on Non Functional Parameters, pp 97-100,	International Journal of Electronics Communication and Computer Engineering, IJECCE, Volume 3 Issue 2, Mar. 2012	ISSN 2249 –071X
7.	Improving Web Service Discovery using Community of Interest pp.2764-2770	International Journal of Scientific & Engineering Research, IJSER, Volume 4, Issue 6, June-2013	ISSN 2229-5518
8.	User Profile Mining and Personalization of Web Services	International Journal of Computer Applications. IJCA Vol. 105 - Number 13, November 2014	Issue ISBN: 973-93-80883-58-3 DOI: 10.5120/18436-9501
9.	Privacy-Preservation in Collaborative Association Rule Mining for Outsourced Data	International Journal of Distributed and Cloud Computing, Volume 5 Issue 2 December 2017	ISSN: 2321-6840
10.	An Efficient Algorithm For High Utility Pattern Mining From Transactional Databases	International Journal of Applied Engineering Research (IJAER) Vol. 13, Number 15 (2018)	Print ISSN 0973-4562. Online ISSN 0973-9769. UGC Approved Journal (Journal No. - 64529)
11.	Energy Demand Forecasting: A Review on Methodologies and Technique	International Journal of Computer Sciences and Engineering (IJCSE) Volume-7 , Issue-5 , May - 2019	ISSN:2347-2693 UGC Approved Journal (Journal No. -63193)
12.	Face Recognition Process :A survey	International Journal of Computer Sciences and Engineering (IJCSE) Volume-7 , Issue-5 , May - 2019	ISSN:2347-2693 UGC Approved Journal (Journal No. -63193)
13.	Protein classification Under Varying Feature Extraction Method	INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY Volume - 6, Issue - 4, Apr – 2020	ISSN: 2455-0620
14.	Cure Clustering Algorithm and Its Various Implementations	INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY Volume - 6, Issue - 4, Apr – 2020	ISSN: 2455-0620

(II) International Conference Publications			
S.No.	Title of Paper	Detail of Conference	Remark
1.	"An Improved Discovery Engine for Efficient and Intelligent discovery of Web Service with publication facility"	IEEE Conference on Service Computing, 21- 25 September' 09 at Bangalore. India	
2.	"Ontology Based E-Learning System to support Semantic Search"	International Conference on semantic E-business and enterprise computing SEEC'09, November 04-06, 2009 at Trichy ,Tamilnadu, India.	

3.	OTP Based Security Protocol for Accessing Web Services in Mobile Device using Multi-factor Authentication Technique	International Conference on Recent trends in Computing and Communications ,December 18 -19,2009, Chennai, India	
4.	A Higher Accuracy Classifier based on Semi Supervised Learning	IEEE International Conference on Computational Intelligence & Communication Networks", IEEE CICN-2010,Bhopal, MP	
5.	Web Service Discovery based on User Profile Clustering and Service Rating,	International Conference on semantic E-business and enterprise computing (SEEC'08),at Cochin, Kerala India -	
6.	Appropriate Service Discovery from UDDI through application of Data Mining Techniques	International Conference on Emerging trends in Computing (ICETiC'09),January 08-10, 2009 at Kamraj College of Engineering & Technology.	
7.	Enhanced Web Service Crawler Engine	International Conference on Web Sciences: ICWS 2009,January 2011 at Koneru Lakshmaiah College of Engg. Andhra Pradesh	
8.	Analysis of privacy preserving mechanisms for outsourced data mining	2017 International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE),27-29 Oct. 2017 at Bhopal, India	
9.	A mechanism for operation level role based access control in web services	IEEE International Conference on Communication Systems and Network Technologies (CSNT),Nov. 2017 at IIIT Nagpur	
(II) National Conference Publications			
S.No.	Title of Paper	Detail of Conference	Remark
1.	"Web Service Based Data Mining Process System"	National Conference on Emerging Trends in computer, communications & Information Technology,March 20-21, 2009 at Mumbai, India	
2	Qualitative study of different Mobile Agent Frameworks	National Conference on emerging trends in Information Technology,2007 SGSITS , Indore	
3	'Transparent Content Adaptation Approach for Viewing News Web Sites for WAP Devices'	National Conference (MEPCONCT'06)3 rd March 2006 at Mepco Schlenk Engineering College, Virudhunagar, TN.	
4	'A Feature Enhanced Electronic Voting Machine'	CSI National Conference on Computing and Applications, NACCA,Tamil Nadu, India.	
5	An improved association Rule mining Algorithm.	National Conference NCICT,March 2010 at Indore	
6.	Short-Term Load Forecasting Using Support Vector Regression	International Conference on Soft Computing;/ Theories & Applications,Feb 2020	

Projects:

Details of Research Project :					
S.No.	Title of Research Project	Principal investigator/ Co investigator	Funding Agency	Amount Sanctioned	Present Status
2.	Design and Development of an Intelligent Smart Street Lightening Pole	Co investigator	NPIU, TEQIP III	7.82 Lacs	Under progress

Testing & Consultancy:

S.No	Name of Company	Type of Consultancy	Year
1	Indore Nagar Nigam	Third Party Evaluation/Verification of initial IT setup items (hardware & software) for Indore Smart City Project at IMC, Indore	2020-2021

Other Details:

List of Conferences/Workshops/Seminars Organized
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S.No.	Title of Course	Organizing Institute	Duration Period of Course	Capacity in which involved
1.	Workshop on Basic /Advance Python	SGSITS	Three days	Coordinator
2.	Computer Awareness Training of NCC Students	SGSITS	One week (23/10/17-01/11/17)	Coordinator
3.	GSTN Training	SGSITS	Three Weeks (05/05/17-25/05/17)	Asst. Nodal Officer
4.	DTP Workshop	SGSITS	One Week	Coordinator
5.	Machine Learning	SGSITS	Three days (22/03/18-24/03/18)	Coordinator
6.	DDEO skill development program (MMKSY)	SGSITS	400 Hrs	Coordinator
7.	Industry Academia Meet	SGSITS	One Day	Coordinator
8.	Computer Fundamentals & E payments	SGSITS & Infobians	One Month	Coordinator
9.	Large Scale Virtual Systems	SGSITS	One Week (11/03/19-15/03/19)	Member, Organizing Committee
10.	AI and its Applications	SGSITS	03.06.20	Coordinator

Invited Lectures/Expert Talks/Chairmanships at Conferences
Delivered an Expert Lecture on "Data Mining: Research Perspectives" at CSI Ujjain Chapter
Delivered an Expert Lecture on "Research Avenues in Information Retrieval at E& TC Department, SGSITS, Indore
Delivered the theme lecture on "Enabling positive use of AI for all" at Institution of Engineers , Indore chapter
Delivered Expert Lecture on AI and its Applications at Acropolis technical Campus on 18.03.2019
Delivered Expert Lecture on "How to prepare COs for Computer Engineering courses"at IT Department, SGSITS, Indore.