Dr. Anuradha Purohit

Designation: Professor
Employee ID: 9005
Qualification: Ph.D.
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About Faculty :

 Dr. Anuradha Purohit is working as Professor in the Department of Computer Engineering. She is Incharge of Institute Website and has successfully carried out various responsibilities in Examination, Academics and on Department Level. Her area of research includes Soft Computing, Machine Learning, Theory of Computation and Software Engineering.

Education and Qualification:

S. No.	Degree	Specialization	Year	University/Board
1.	Ph.D.	Computer Engineering	2016	RGPV, Bhopal
2.	M.E.	Computer Engineering	2008	RGPV, Bhopal
3.	B.E.	Computer Engineering	2000	Vikram University, Ujjain
4.	HSC	Science Mathematics	1995	M.P. Board
5.	High School	All Subjects	1993	M.P. Board

Work Experience :

S. No.	Designation	Department	Employer Name	Duration of Employment	
				From	**To**
1.	Professor	Computer Engineering	S.G.S.I.T.S. Indore	27/03/2020	Till Date
2.	Associate Professor	Computer Engineering	S.G.S.I.T.S. Indore	27/03/2017	26/03/2020
3.	Assistant Professor (Selection Grade)	Computer Technology and Applications	S.G.S.I.T.S. Indore	27/03/2014	26/03/2017
4.	Assistant Professor (Senior Scale)	Computer Technology and Applications	S.G.S.I.T.S. Indore	27/03/2009	26/03/2014
5.	Assistant Professor	Computer Technology and Applications	S.G.S.I.T.S. Indore	01/01/2006	26/03/2009
6.	Lecturer	Computer Technology and Applications	S.G.S.I.T.S. Indore	27/03/2004	31/12/2005
7.	Lecturer (Contract)	Computer Engineering	S.G.S.I.T.S. Indore	03/08/2000	31/12/2003

Research Details :

- Dr. Anuradha Purohit is doing research in the field of Soft Computing, Machine Learning and Software Engineering.
- Guided various research based projects to BE, ME and MCA students.
- Actively involved in doing research since 2007.
- Completed PhD in Computer Engineering and published various research papers in the renowed journals and conferences.
- Developed software for designing duty chart for exams for examination section.

PhD Supervision :

S. No.	Name of Student	Research Area	Year of Joining	Year of Completion

1.	Ms. Shraddha Kumar	Deep Learning	2019	Pursuing
2.	Ms. Shubhangi Pandey	Extreme Learning Machine	2020	Pursuing

Publications:

(i) International Journal			
S.No	**Title of Research Paper**	**Name of Journal and Year/Issue No.**	**Publication as main author or co-author**
1	Rumor Detection System for Twitter (a micro-blogging site)	International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, Issue-4, November 2019, ISSN: 2277-3878, **(SCOPUS Indexed – UGC-Care Journal)**	Co-author
2	Facial Expression Recognition using Ensemble Learning Technique	International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, Issue-4, November 2019, ISSN: 2277-3878, **(SCOPUS Indexed – UGC-Care Journal)**	Co-author
3	Image Feature Selection using Ant Colony Optimization	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 9, Issue 1, November 2019, ISSN: 2278-3075, **(SCOPUS Indexed – UGC-Care Journal)**	Co-author
4	Feature Subset Selection Using Agglomerative Clustering	International Journal of Research in Electronics and Computer Engineering (IJRECE), Vol.6, Issue 2, April-June 2018, ISSN: 2348-2281(Online), pp. 726-729 **(UGC Approved Journal)**	Co-author
5	RGAP: A Rough Set, Genetic Algorithm and Particle Swarm Optimization based Feature Selection Approach	International Journal of Computer Applications, Volume 161, No. 6, March 2017, ISSN 0975-8887, pp. 1-5	Co-author
6	Feature Selection using Modified Particle Swarm Optimization	International Journal of Computer Applications, Volume 161, No. 7, March 2017, ISSN: 0975-8887, pp. 8-12	Co-author
7	A Survey on Methods for Solving Data Imbalance Problem for Classification	International Journal of Computer Applications, Volume 127 – No.15, October 2015, ISSN: 0975-8887, pp. 37-41	Co-author
8	Text Classification in Data Mining	International Journal of Scientific and Research Publications, Volume 5, Issue 6, June 2015, ISSN: 2250-3153, pp. 1-6	Main-Author
9	Code Bloat Problem in Genetic Programming	International Journal of Scientific and Research Publications (IJSRP), Volume 3, Issue 4, 2013, ISSN: 2250-3153, pp.1-5	Main-Author
10	A New Mutation Operator in Genetic Programming	ICTACT Journal on Soft Computing (IJSC), 2013, Volume 3, Issue 2, ISSN: 2229- 6956 (Online), pp.467-471	Main-Author
11	Genetic Algorithm for Classification in Data Mining	International Journal of Computer Science and its Applications, 2011, ISSN 2250 – 3765, pp.77-81	Main-Author
12	Genetic Algorithm for Classification of Web Documents	International Journal of Computer Science and its Applications, 2011, ISSN 2250 – 3765, pp.430-433	Main-Author
13	Multiclass Classifier with Feature Selection using Genetic Programming	International Journal on Computer Engineering and Information Technology (IJCEIT), ISSN 0974-2034, Vol. 08, No 13. Jan.-Feb. 2010, pp. 26-30	Main-Author
14	Genetic Programming for Classification	International Journal of Computer and Electronics Engineering (IJCEE), Vol. 1, Jan-June 2009, ISSN: 0975-4202, pp.69-76	Main-Author

(II) International Conference				
S. No.	**Title of Paper**	**Name of Conference**	**Place/Date**	**Organizing Society/ Institute**
1	Text Summarization for Information of Famous Indian Historical Monuments	10th International Conference onSoft Computing for Problem Solving - SocProS 2020	18-20 Dec. 2020,Online	IIT Indore & Soft Computing Research Society
2	An Approach for Document Clustering using PSO and K-means	International Conference on Inventive Systems and Control (ICISC 2018)	19-20 Jan 2018, Coimbatore, India, pp. 1380-1384	JCT College of Engg. & Tech.
3	Handling The Problem of Code Bloating to Enhance the Performance of Classifier Designed using Genetic Programming	5th Indian International Conference on Artificial Intelligence (IICAI-11)	14-16 December 2011, Tumkur, Bangalore, pp. 333-342	Siddaganga Institute of Technology (SIT), Tumkur, India
4	Removing Code Bloating in Crossover Operation in Genetic Programming	International Conference on Recent Trends in Information Technology (ICRTIT-11)	June 03-05 2011, pp. 77	IEEE

5	Genetic Algorithm for Classification in Data Mining	International Conference on Advanced Computing, Communication and Networks'11	2-3 June, Chandigarh, pp. 197-201	Universal Association of Computer & Electronics Engineers
6	Genetic Algorithm for Classification of Web Documents	International Conference on Advanced Computing, Communication and Networks'11	2-3 June 2011, Chandigarh, pp. 1298-1301	Universal Association of Computer & Electronics Engineers
7	Genetic Algorithm for Instance Selection in Data Minning	International Conference on Emerging Trends in Engineering (ICETE-11)	May 4th & 5th 2011, Nitte-Karnataka, pp. 38-41	NMAM Institute of Technology
8	Construction of Classifier with Feature Selection Based on Genetic Programming	IEEE Congress on Evolutionary Computation	July 18-23 2010, Barcelona, Spain, pp.1-5	IEEE
9	Multiclass Classifier with Feature Selection using Genetic Programming	Recent Trends in Soft Computing & Information Technology, RTSCIT-09	Jan 09-10, 2010, Bhopal, pp. 335-339	RGPV, Bhopal
10	Improved Genetic Programming Based Multiclass Classifier Using a New Crossover Operator	4th Indian International Conference on Artificial Intelligence	16-18 December 2009, Tumkur, pp. 924-932	Siddaganga Institute of Technology (SIT), Tumkur, India
11	A multiclass classifier using Genetic Programming	10th International Conference on Control, Automation, Robotics and Vision	17-20 Dec. 2008, Singapore, pp.1884-1887	NTU Singapore

(ii) National Conference

S.No.	Title	Name of Conference	Place/Date	Organizing Society/ Institute
1	A Survey on Feature Selection Using Rough Set Theory	National Conference on Advances in Computer Science and Technology (ACST-2015)	Indore, October 2015	SVCE, Indore
2	Introduction to Particle Swarm Optimization	National Conference on Advances in Computer Science and Technology (ACST-2015)	Indore, October 2015	SVCE, Indore
3	Genetic Algorithm: A Guided Random Search and Optimization Algorithm	National Conference on Emerging Trends in Information Technology (NCETIT-2011)	February 24th - 25th 2011, IPS Indore, pp.4	IPS Indore
4	Genetic Algorithm: The Algorithm and its Applications	NSC-2011 by CSI on IT-Contemporary & Future Technologies for Social Change	11th -12th March 2011, ITM Gwalior	CSI
5	Genetic Algorithm for Classification in Data Mining	National Conference on Emerging Trends in Computing and Communication (ETCC) 2010	MITM Indore, pp.84-87	MITM Indore
6	Solving Map Color Problem Using Genetic Algorithm	National Conference on Advances in Computer Applications (NCACA-09)	7th & 8th May 2009	ITM Gwalior
7	Construction of a Two Class Classifier Using Genetic Programming	National Conference on Emerging Trends in Information Technology	18th-20th Dec.2007, pp.204-207	SGSITS Indore

Other Details:

Conference/Seminar/Winter Summer Schools/Training Organized				
S.No.	Title of Course	Organizing Institute	Duration Period of Course	Capacity in which involved
1.	Workshop on "Fundamentals of a True IT Professional"	SGSITS	One day	Coordinator
2.	Workshop on "Unfolding the Secrets of Campus Recruitment"	SGSITS	One day	Coordinator
3.	Seminar on IT Security and Ethical Hacking	SGSITS	One day	Coordinator
4.	Expert Lecture by Dr. Kanak Saxena for MCA Students	SGSITS	One Day	Coordinator
5.	Expert Lecture by Dr. Nirmal Dagdee for MCA and	SGSITS	One Day	Coordinator

	Computer Engg. Students			
6.	Workshop on Python	SGSITS	Two Days	Coordinator
7.	Industrial Visit in Software Company	YPSilon IT Company	One Day	Organizer
8.	Training Program on Recent Research and Innovation in IT	TCS	One Day	Coordinator
9.	C-Programming workshop	SGSITS	One Day	Coordinator
10.	Computer Networking workshop	SGSITS	One Day	Coordinator
11.	National conference on "Emerging Trends in Information Technology"	SGSITS	18th -20th Dec. 2007	Member, Organizing Committee
12.	Webinar on Outcome Based Education	SGSITS (Online)	27 June 2020	Coordinator
13.	Workshop on Outcome Based Education and Accreditation	SGSITS	3-4 May	Coordinator

Invited Lectures/Expert Talks/Chairmanships at Conferences				
S.No.	Title of Lecture/Academic Session	Title of the Conference/ Seminar etc.	Organized by	Whether international/ national
1.	Delivered expert talk on "Genetic Algorithm", during two days workshop on 4-5 February 2011.	Soft Computing	Sushila Devi Bansal College of Technology, Indore	National
2.	Delivered expert talk on "Genetic Algorithm for Search and Optimization", at one day seminar on 31st March, 2012.	Soft Computing	Chameli Devi School of Engineering, Indore	National
3.	Delivered expert Talk on Genetic Programming on 30th June	In-House FDP	Electronics & Telecommunication Deptt.	College Level
4.	Session Chair at International Congress on Innovations in Science, Technology & Management on 7th Feb.-2018	Sanmantrana-2018	Vaishnav Vidyapeeth	International
5.	Delivered Expert talk on "Rough Set in Machine Learning" on 25th October-2018	FDP on Machine Intelligence and Applications	Chameli Devi School of Engineering, Indore	RGPV & TEQIP-III FDP