PROFILE

Dr. SHILPA M. KABRA

(Shilpa S. Laddha)

Assistant Professor

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Work Profile:

Assistant Professor, Department of Information Technology, Government College of Engineering, Aurangabad

Qualifications:

- ➤ **Ph.D. - Computer Science & Engineering** from Sant Gadge Baba Amravati University, Maharashtra, India.
  Thesis: Design and Implementation of Semantically Enhanced Information Retrieval using Ontology
- ➤ **M.E. - Computer Science & Engineering** from Government College of Engineering Aurangabad, Maharashtra (Dr. Babasaheb Ambedkar Marathwada University, Aurangabad) in 2007 with distinction
- ➤ **B.E. - Computer Science & Engineering** from Babasaheb Naik College of Engineering Pusad, Maharashtra (Amravati University, Amravati Maharashtra) in 2000

Honors/ Awards:

- ➤ **Outstanding Women (Computer Science & Engineering) Award VIWA 2020** by the Centre for Advanced Research and Design, Venus International Foundation, Chennai
- ➤ **Best Faculty in Computer Science & Engineering** International Research Awards on Science, Health and Engineering 2020
- ➤ **International Excellence "Best Research Thesis" Award** at 1st Universal Innovators Leadership Awards (UILA 2020) by : SScbs, University of Delhi, New Delhi in association with NIT Patna & University of Valladolid, Spain
- ➤ **Seventh Rank** Bachelors of Computer Science & Engineering, Amravati University, Maharashtra in 2000

Domain Expertise:

- ➤ Semantic Web Mining
- ➤ Information Retrieval
- ➤ Artificial Neural Networks
- ➤ Data Mining

Patents:

[1] "**Intelligent Indoor Health Monitoring framework using low Energy Bluetooth Beacons**" Patent Number 202141024038 Published Date -11/06/2021.

[2] "**Artificial Intelligence Based Computational Model For Spatial-Temporal And Emotional Reasoning of Humanoid Robots**" Australian Patent Number 2021102704 Granted Date -23/06/2021.

Copyrights:

[1] "**Design and Implementation of Semantically Enhanced Information Retrieval using Ontology**" Registration Number SW-9785/2017 Dated -13/12/2017.

[2] "**Advanced Design and Implementation of Semantically Enhanced Information Retrieval using Ontology**" Registration Number SW-10336/2018 Dated -03/04/2018.

Books:

[1] **Smart Risk Analyst: A Neural Networks Approach**

- ISBN: 978-1-6467-8518-6

[2] **Consumer Loan Credit Risk Analyser Using Neural Networks**

- ISBN: 978-3-3460-8366-1

Publications:

[1] "**Ontology Based Tourism Information Retrieval System: A Semantic Approach**" Elsevier Journal Open Access Procedia Computer Science (ISSN 1877-0509) volume 132, Pages 1363-1374 DOI: 10.1016/j.procs.2018.05.051, ScienceDirect

[2] "**Portable Healthcare Computing and Clinical Decision Support System Enabled by Artificial Intelligence**" InderScience: International Journal of Engineering Systems Modelling and Simulation (IJESMS); Special Issue: 'Artificial Intelligence - Enabled Computing System Development' Vol. 12, Issue 2/3 (2021) DOI: 10.1504/IJESMS.2021.115539. ISSN: 1755-9758

[3] "**Semantic Search Engine**" Indian Journal of Science and Technology Vol. 10, Issue 23 (2017) DOI: 10.17485/ijst/2017/v10i23/115568.

[4]   "**Onto Semantic Tourism Information Retrieval**" Open Access International Journal of Engineering & Technology (UAE) (ISSN 2227-524X) Vol 7 No.(4.7) (2018) Pages 148-151 DOI: 10.14419/ijet.v7i4.7.20532 .

[5]   "**Book Related Information Retrieval using Ontology based semantic search & wordpress**" International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 4, Issue 12, December 2014), pp 589-596

[6]   "**New paradigm to keyword search: A survey**" Green Computing and Internet of Things (ICGCIoT), 2015 PP. 920-923. IEEE Digital Explore, 2015 DOI: 10.1109/ICGCIoT.2015.7380594 ISBN: 978-1-4673-7910-6.

[7]   "**Semantic Tourism Information Retrieval Interface**" Advances in Computing, Communications and Informatics (ICACCI), 2017 IEEE Digital Explore DOI: 10.1109/ICACCI.2017.8125922, ISBN: 978-1-5090-6367-3.

[8]   "**Consumer Loan Credit Risk Analyzer using Artificial Neural Networks**", National Conference on Innovative paradigms in Engineering & Technology (NCIPET-2013) Journal IJCA (Online), Number 1 (ISBN: 973-93-80879-18-3), pp 6-10

[9]   "**Onto-Semantic Indian Tourism Information Retrieval System**" In: Springer Book 'Recent Studies on Computational Intelligence', by Khanna Ashish, Singh Awadhesh Kumar, Swaroop Abhishek, DoSCI 2020. 'Studies in Computational Intelligence', Vol 921. Springer, Singapore. DOI: 10.1007/978-981-15-8469-5_1, ISBN: 978-981-15-8469-5, ISSN: 1860-9503 Pages 1-18

[10]   "**Novel Concept of Query Similarity and Meta-Processor for Semantic Search**" In: Springer Book 'Advances in Computer Communication and Computational Sciences' by Bhatia S.K., Tiwari S.T., Mishra K.K., Trivedi M.C. (eds) IC4S 2017. Advances in Intelligent Systems and Computing. Vol 759. Springer, Singapore. DOI: 10.1007/978-981-13-0344-9_9, ISBN: 978-981-13-0344-9, ISSN: 2194-5357 Pages 111-120

[11]   "**Novel Concept of Query Prototype and Query Similarity for Semantic Search**" In: Springer book 'Smart Trends Information Technology and Computer Communications', by Deshpande A.V., Unal A., Passi K., Singh D., Nayak M., Patel B., Pathan S. (eds). SmartCom 2017. Communications in Computer and Information Science. Vol 876. Springer, Singapore. DOI: 10.1007/978-981-13-1423-0_35 ISBN: 978-981-13-1423-0 ISSN: 1865-0929 Pages 338-345

[12]   "**An Exploratory study of keyword based search results**" Indian Journal of Scientific Research 14(2), PP 39-45, ISSN: 2250-0138 (Online) 2017

[13]   "**Novel Concept of Spelling Correction for Semantic Tourism Search Interface**" In: Springer Book 'Information and Communication Technology for Sustainable Development', by Tuba Milan, Akashe Shyam, Joshi Amit (Eds.) ICT4SD 2018. Advances in Intelligent Systems and Computing Vol 933. Springer, Singapore. DOI: 10.1007/978-981-13-7166-0_2, ISBN: 978-981-13-7166-0, ISSN: 2194-5357 Pages 13-21

Member of Professional Bodies:

➢ Life member of Indian Society for Technical Education, LM 80199

Session Chair of Conferences:

➢ Moana National Conference on Recent Trends in Science & Engineering MNCRTSE-2017
➢ International Conference on Advances in Computing, Communications and Informatics (ICACCI'17)
➢ IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI-2020)

Reviewer:

➢ Egyptian Informatics Journal (ISSN: 1110-8665) Elsevier B.V.
➢ The International Conference on Fuzzy Systems and Data Mining (FSDM 2020), China
➢ International Conference on Computing, Communication, Control &Automation (ICCUBEA-2018)
➢ International Conference on Computing and Network Communications (CoCoNet'15)
➢ International Conference on Advances in Computing, Communications and Informatics (ICACCI'17)
➢ International Symposium on Women in Computing and Informatics (WCI-2016)
➢ International Conference on Advances in Computing, Communications and Informatics (ICACCI'16)
➢ International Symposium on Women in Computing and Informatics (WCI-2018)
➢ International Conference on Advanced Computing Technologies and Applications (ICACTA-2020)
➢ International Conference on Automation, Computing and Communication (ICACC-2020)
➢ IGI Global book on Impact of Deep Learning and IoT on Multi-Industry Applications.in Impact of Deep Learning and IoT on Multi-Industry Applications.(2020)
➢ The International Semantic Intelligence Conference (ISIC-2021)
➢ International Conference on Communication, Information and Computing Technology 2021 (ICCICT-2021)

Courses & Workshops Attended:

Sr. No.	Year	Organizing Institute with place	Title of Seminars/ Conference/ Workshop	Duration	
				From	To
1	2011	GECA, Aurangabad	Skill Matrix enhancement & effective teaching learning for quality technical education(SMEETL-2011)	28/11/2011	09/12/2011
2	2012	GECA, Aurangabad	Engineering optimization techniques & its application in research(EOTAR-2012)	2/01/2012	12/01/2012
3	2012	Govt. Polytechnic Aurangabad	ReliaSofts Reliability Engineering Education	05/03/2012	09/03/2012
4	2012	Government College of Engineering, Aurangabad	Self Management & Team Management for Success-Breaking the Barriers	18/09/2012	18/09/2012
5	2013	VJTI, Mumbai	Workshop on Cloud computing under TEQIP	05/04/2013	09/04/2013
6	2013	Sinhgad college of Engg, Pune	FDP on Embedded Image Processing under TEQIP	06/05/2013	10/05/2013
7	2015	Sinhgad college of Engg, Pune	AICTE sponsored SDP on Soft Computing	01/06/2015	13/06/2015
8	2015	Yashada, Pune	STP: Foundation Training program for class-I officers of Technical Education Department	30/06/2015	20/07/2015
9	2015	Government College of Engineering, Aurangabad	Workshop on Outcome Based Education (OBE) & NBA	31/01/2015	01/02/2015
10	2014	Government College of Engineering, Aurangabad	Big data Analysis-Foundation	10/12/2014	11/12/2014
11	2015	Government College of Engineering, Aurangabad	Hydrological Modeling using open source geospatial techniques	27/10/215	31/10/2015
12	2015	Government College of Engineering, Aurangabad	Pedagogy to Synergogy	07/12/2015	11/12/2015
13	2016	TCS, Sahayadri Park, Pune	Spandan-2016	31/03/2016	31/03/2016
14	2016	Government College of Engineering, Aurangabad	Wavelet Theory	12/04/2016	13/04/2016
15	2016	DTE & IT-ITeS SSC NASSCOM, New Delhi at GECA, Aurangabad	Training the trainers Program, Foundation Skills in IT	27/06/2016	2/07/2016
16	2016	IIT Bombay	Use of ICT in Education for Online & Blended Learning	2/05/2016	10/07/2016
17	2017	Government College of Engineering, Aurangabad	Soft Computing techniques in engineering applications	15/02/2017	19/02/2017
18	2016	Government College of Engineering, Aurangabad	Latex-A Document preparation Software	14/11/2016	15/11/2016
19	2017	Government Polytechnic, Amravati	Research Methodology & its applications	9 /01/2017	13/01/2017
20	2017	Government College of Engineering, Aurangabad	TEQIP II Sponsored FDP on "Optimization in Machine Learning"	27/02/2017	03/03/2017
21	2017	Government College of Engineering, Aurangabad	TEQIP II Sponsored three days STTP on "Data Analytics for Process Monitoring, Soft Sensing Controller Performance Assessment"	25/03/2017	27/03/2017
22	2017	IITBombayX (learning initiative of IIT Bombay)	Technical Communication for Scientists and Engineers	27/01/2017	31/05/2017
23	2018	PES's Modern College of Engineering, Pune	AICTE - ISTE sponsored one week Induction / Refresher Programme on "Developing Multidimensional Competencies in Teachers"	4/6/2018	9/6/2018

24	2018	Government College of Engineering, Aurangabad	"Training the Trainers for the Course: Engineering Exploration"	03/08/2018	07/08/2018
25	2018	IIT, Madras	NPTEL-AICTE approved 1 week FDP on Introduction to Research	Aug 2018	Sept 2018
26	2018	IIT, Madras	NPTEL-AICTE approved 1/2 week FDP on Outcome based pedagogic principles for effective teaching	Aug 2018	Sept 2018
27	2019	Government College of Engineering, Aurangabad	TEQIP III Sponsored 1 week FDP on "Outcome Based Education with Assessment & Evaluation"	21/01/2019	25/01/2019
28	2019	IIT, Madras	NPTEL-AICTE approved 1 week FDP on Enhancing Soft Skills and Personality	Feb 2019	Apr 2019
29	2019	IIT, Madras	NPTEL-AICTE approved 1.5 week FDP on Programming in Java	Jan 2019	Apr 2019
30	2019	IIT, Madras	NPTEL-AICTE approved 1.5 week FDP on Soft Skills	July 2019	Oct 2019
31	2020	Government College of Engineering, Aurangabad	TEQIP III Sponsored 1 week STTP on Remote Sensing & Geographical Information System	29/01/2019	02/02/2019
32	2020	MOOC by IIT Bombay powered by SWAYAM	TEQIP III Sponsored 2 week FDP on Digital Transformation in teaching learning process (DTITLP)	14/02/2020	15/03/2020
33	2020	Vidyalankar school of IT with IIT Bombay Spoken Tutorial	1 week FDP on Moodle Learning Management System	20/04/2020	25/04/2020
34	2020	Bhartiya Vidyapeeth's Institute of Computer Applications & Management (BVICAM), New Delhi	1 week FDP on Emerging trends in Computer Science with IEEE Computer Society (Delhi Section), CSI, Delhi Chapter & ISTE, Delhi Section	11/05/2020	15/05/2020
35	2020	Government College of Engineering, Karad	TEQIP III Sponsored 1 week FDP on Signal, Image & Video Processing: A Practical Approach-2020	26/05/2020	30/05/2020
36	2020	Teaching Learning Centre (ICT) at IIT Bombay,	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop	24/05/2020	24/05/2020
37	2020	ODEM	Block Chain Technology	05/06/2020	07/07/2020
38	2020	Government College of Engineering, Aurangabad	Next Generation Software Tools & Trends for Industrial Solutions: Current Practices, TEQIP III	13/06/2020	17/06/2020
39	2020	Government College of Engineering, Aurangabad	Future Skills Training on Artificial Intelligence & Machine Learning, TEQIP III	21/12/2020	30/12/2020
40	2020	Government College of Engineering, Aurangabad	Heartfulness Enabled Leadership Mastery (HELM), TEQIP III	29/08/2020	23/09/2020
41	2021	IIT Indore	TEQIP course on AI and Machine Learning	21/12/2020	30/12/2020
42	2021	Coursera, Standford Online	Machine Learning	07/01/2021	07/01/2021
43	2021	IIM Vishakhapatnam	TEQIP III Sponsored Professional Development Program for Faculty & Adm	11/01/2021	13/01/2021
44	2021	NSIC & EnFlare Tech	2 weeks Online Industrial Training on IIoT	16/03/2021	30/03/2021
45	2021	EduXLabs	Applied Deep Learning, Computer Vision & NLP with Pyth	01/03/2021	05/03/2021
46	2021	NSIC & EnFlare Technologies	2 Weeks Industrial training on Matlab for Image Processing & DSP	26/04/2021	05/05/2021
47	2021	IES College, Thrissur	IIC, IEDC & IETE cell sponsored Innovation, Incubation & research Challenges in India	21/06/2021	25/06/2021

National and International Conferences Attended:

Sr. No.	Year	Organizing Institute with place	Title of Seminars/ Conference/ Workshop	Duration	
				From	To
1	2013	S.B.Jain Institute of Technology,Management & Research, Nagpur	2nd National Conference on Innovative Paradigms in Engineering & Technology	17/02/2013	17/02/2013
2	2015	GCET, Greater Noida	IEEE sponsored 2015 International Conference on Green Computing and IOT	08/10/2015	10/10/2015
3	2016	GIET, Gunupur	International Conference on Recent Innovations in Engineering & Technology	05/11/2016	06/11/2016
4	2017	Manipal Institute of Technology, Manipal University, Manipal, Karnatak	International Conference on Advances in Computing, Communications and Informatics (ICACCI)	13/09/2017	16/09/2017
5	2017	An International Conference Supported by College of Engineering Pune(COEP)	Second International Conference on Smart Trends for Information Technology and Computer Communications	18/08/2017	19/08/2017
6	2018	NorthCap University, Gurugram	International Conference on Computational Intelligence and Data Science (ICCIDS 2018)	7/04/2018	8/04/2018
7	2018	Hotel Vivanta by Taj, Panaji, Goa	Third International Conference on Information and Communication Technology for Sustainable Development (ICT4SD 2018)	30/08/2018	31/08/2018
8	2020	SSCBS, University of Delhi, New Delhi in association with National Institute of Technology, Patna (NITP) & University of Valladolid, Spain	International Conference On Innovative Computing And Communication (ICICC-2020)	21/02/2020	23/02/2020
9	2020	Centre for Advanced Research and Design (CARD) of Venus International Foundation (VIF)	5th Annual Women's Meet - AWM 2020	07/03/2020	07/03/2020
10	2020	Pankaj Laddhad Institute of Technology & Management Studies, Buldana, India	IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI-2020)	30/12/2020	30/12/2020
11	2021	Heartfulness Campus	National Education Conclave-2021 on Reimaging University Education with a heart centred Approach	12/01/2021	13/01/2021
12	2021	KLE Technological University, Hubballi, India	International Conference on RRSPBL -2021	18/06/2021	19/06/2021
13	2021	Teacher's Role in NEP Implementation: Awareness, Orientation, Challenges and Responses	Webinar	25/02/2021	

Courses and Workshops Organized:

Sr. No.	Name of Faculty	Topic	Date	Remarks
1	Shrihari Mundada	Trends in Software Development	28/09/2015	Under Industry Institute Interaction
2	Shrihari Mundada	Enterprise application development using Java	27/02/2017	
3	Shrihari Mundada	Trends in Software Development	06/04/2018	
4	Dr. S. Baskar, Thagrajar CoE, Madurai Dr. S. K. Das Mandal, IIT Kharagpur Dr. DVLN Somayajulu NIT Warangal	TEQIP III Sponsored 1 week FDP on "Outcome Based Education with Assessment & Evaluation	21-25 January 2019	Under TEQIP III
5	IIT Bombay	TEQIP Online Certification on Digital Transformation in Teaching Learning Process, MHRD, IITB, Swayam and The World Bank	06/04/2020 to 22/04/2020	
6	Heartfulness Mission (NGO)	Heartfulness Enabled Leadership Mastery (HELM)	29/08/2020 to 23/09/2020	
7	Shrihari Mundada	Cloud Computing	28/09/2020 to 29/09/2020	
8	NASSCOM	Future Skills Training on Internet of Things(IOT), TEQIP III, IT & Mech, GECA	13/07/2020 to 20/09/2020	
9	Dr. Shilpa S. Laddha (Kabra)	Future Skills Training on Artificial Intelligence & Machine Learning, TEQIP III, IT, GECA	20/01/2021 to 08/03/2021	
10	Mrs. Veena Sarda	Python for Data Science & AI, TEQIP III, IT, GECA	16/02/2021 to 20/02/2021	
11	Dy. Collecter Anjali Dhanorkar	New Year Resolution Session of Anjali Dhanorkar (Seminar)	01/09/2021	Light Samvedana Club
12	Evolve Club	Saving Wings from Fire	15/04/2021 to 10/05/2021	
13	Surendra Vaidya	Innovation & Digital Ecosystem,	22/02/2021 to 05/03/2021	TEQIP III, ANKUR Incubation Centre, GECA
14	Narendra G. Shendge	"Upskill" to be Industry Hi-Flyers	15/02/2021 to 15/02/2021	
15	Narendra G. Shendge	"Enterpreneurship" for a bright future	17/02/2021 to 20/02/2021	
16	Gaurav Somvanshi, Danish Siraj, Gunwant Sarpate, Aarti Tiwari	Successful Startup Founders	29/03/2021	
17	CA Nidhi Kothari	Financial Planning for Young professionals	11/06/2021	ANKUR Incubation Centre, GECA

Other Information:

- Member of Academic Council (Sept 2019- till date)

- Ankur Incubation Centre Foundation, GECA, Faculty Co-cordinator (Dec 2021-till date)

- Nodal Officer, ICT and MOOC & Digital Learning, TEQIP-III (July 2018- till date)

- Nodal Officer, Faculty & Staff Development, TEQIP-III (Oct 2019- till date)

- Central Library Committee Member (July 2016- till date)

- Faculty Advisor of Students Activity Samvedna Club (July 2016- till date)

- Member Internal Quality Assurance Cell (July 2017- till date)

- AICTE EOA Committee member (July 2011- till date)

- Faculty Advisor of Philanthropy Audit Course

- Research Guidance to more than 100 Students for Bachelor of Engineering Projects

- Departmental Controller of Examination & MIS, Information Technology (July 2016- till date)

- Departmental Library Coordinator (July 2016 - till date)

- Departmental Procurement Committee Member (July 2015- till date)

- Worked as Training & Placement Incharge for Information Technology Department

- Worked in First /Second Year & Part Time Post Graduate Course Admission Programme

- Member of Local Governing Committee at Geetai Institute of Management, Bidkin Dist. Aurangabad affiliated to Dr. BAM University Aurangabad

- Expert Lectures at Geetai Institute of Management, Bidkin Dist. Aurangabad affiliated to Dr. BAM University Aurangabad

- Member of Syllabus Design Committees of Various Computer Science & Engineering Courses for Various Colleges