


Brief Profile

Name of Teaching Staff	Dr. Umesh D. Dixit			
Designation	Associate Professor & Head			
Date of Joining the Institution	06-09-2004			
Contact Number	9620365395			
Email ID	uddixit@rediffmail.com			
Qualification with Class	U.G	P.G	Ph.D	
	B.E (E&C)	M. Tech (CSE)	Computer Science and Engineering	
	First Class with Distinction	First Class with Distinction		
Total Experience	Teaching	Industry	Research	
	15Years	01	05	
PUBLICATIONS	International Journals			
	<ul style="list-style-type: none"> Umesh D. Dixit, M. S. Shirdhonkar, G. R. Sinha, "Automatic logo detection using HOG features", <i>Journal of Multimedia Tools and Applications</i>, Springer, 2022, https://doi.org/10.1007/s11042-022-13300-5. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "An improved Fingerprint-based Document Image Retrieval using Multi-resolution Histogram of Oriented Gradient Features", <i>International Journal of Engineering</i>, vol. 35, no. 4, pp. 1-10, April 2022 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Language-based Document Image Retrieval for Trilingual System," <i>International Journal of Information Technology (IJIT)</i>, Vol. 12, pp. 1217-1226, 2020. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Fingerprint-Based Document Image Retrieval," <i>International Journal of Image and Graphics (IJIG)</i>, vol. 19, no. 2, pp. 1-17, 2019. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Preprocessing Framework for Document Image Analysis," <i>International Journal of Advanced Networking and Applications (IJANA)</i>, vol. 10, no.4, pp. 3911-3918, 2019. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Face-based Document Image Retrieval System," <i>Procedia Computer Science, Elsevier</i>, vol. 132, pp. 659-668, 2018. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Signature based Document Image Retrieval using Multi-level DWT Features," <i>International Journal of Image, Graphics & Signal Processing (IJIGSP)</i>, vol. 9, no. 8, pp.42-49, 2017. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "Automatic Logo Extraction from Document Images," <i>International Journal on Cybernetics & Informatics (IJCI)</i>, vol. 4, no. 2, 2015. 			
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, "A Survey on Document Image Analysis and Retrieval System," <i>International Journal on Cybernetics & Informatics (IJCI)</i>, vol. 4, no. 2, pp. 259-270, 2015. 			

	BOOK CHAPTERS		
	<ul style="list-style-type: none"> Anusha D.C., S. K. Padaganur, S. R Purohit, M. N. Deshmukh, M. S. Kanamadi, U. D. Dixit, “Design and Implementation of Women Safety Smart Gadget Using IoT”, In: Goar, V., Kuri, M., Kumar, R., Senjyu, T. (eds) <i>Advances in Information Communication Technology and Computing. Lecture Notes in Networks and Systems</i>, vol 392. Springer, Singapore., 2022. 		
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, “Language-based Document Images using Hybrid Texture Features,” <i>Advances in Biometrics – Modern Methods and Implementation Strategies</i>, Springer E-Book, pp.183-208 2019. 		
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, “Face-Biometric Based Document Image Retrieval using SVD Features,” <i>Computational Intelligence in Data Mining, Advances in Intelligent Systems and Computing Series</i>, Springer, vol. 556, pp. 481-488, 2017. 		
	International Conferences		
	<ul style="list-style-type: none"> Umesh D. Dixit, Rahul Hiraskar, Raghavendra Purohit, Shivanagutti, “Recognition of Handwritten Word Images,” <i>Proc. IEEE BHTC – 2020</i>, pp. 1-5, 2020. 		
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, “Automatic Logo Detection and Extraction using Singular Value Decomposition,” <i>Proc. IEEE Int’l Conf. on Communication and Signal Processing (ICCSP)</i>, pp. 787-790, 2016. 		
	<ul style="list-style-type: none"> Umesh D. Dixit and M. S. Shirdhonkar, “Logo-based Document Image Retrieval using Singular Value Decomposition Features,” <i>Proc. IEEE Int’l Conf. on Signal and Information Processing (IconSIP)</i>, pp. 1-4, 2016. 		
	<ul style="list-style-type: none"> Umesh D. Dixit and M. N. Patil, “Microcontroller-based E-Agriculture System with Video monitoring“, <i>Proc. ICECE</i>, pp. 1-4, 2012. 		
	<ul style="list-style-type: none"> M. N. Patil, Umesh D. Dixit, C.A.Patil, “Microcontroller-based E-Agriculture System “, <i>Proc. of ICEICSE</i>, pp. 1-4, 2010. 		
	<ul style="list-style-type: none"> Umesh D. Dixit, M. M. Kodabagi, C. A. Patil, R. B. Math, “Simulation of Bandwidth Management and QoS provisioning in Ad-Hoc wireless networks,” <i>Proc. ICDF 2008</i>, pp. 1384-1386, 2008. 		
Projects Guided	U.G	P.G	Ph.D
	20	03	Nil
Professional Membership	Life Member of ISTE and IEI.		
Grants Fetched	<ul style="list-style-type: none"> Rs. 75,000/- Sponsored for research project “Logo Based Document Image Retrieval System” by I.E.I, Kolkatta. 4 Student Projects are financially sponsored by KSCST, I.I.Sc., B’lore. 		
Interaction With Professional Institutions	<ul style="list-style-type: none"> Chaired a session in IEEE International Conference NKCON 2022. Reviewed papers for the Journal Bulletin of Electrical Engineering and Informatics (BEEI). 		

	<ul style="list-style-type: none"> • TPC member for IEEE International conference FICTA 2021 held during June 25-26, 2021 at NIT, Mizoram. • TPC member for IEEE International conference BHTC - 2020 held during Oct. 8-10, 2020 at BLDEACET, Vijayapur. • Guest lecture on “C Programming skills” at Government Polytechnic, Bijapur. • Judge for Programming Contest in Witchar -13 National level tech fest, held at WIT Solapur. • Chaired the sessions in the Sixth International conference on Advances in communication, Network and Computing, CNC 2015 at Chennai. • Judge for Paper contest at National Level Tech Fest at WIT, Solapur during April 2015
Subjects Handled	Microprocessor, Microcontroller, Computer Networks, Object Oriented Programming using C++, Image Processing, Operating system, Embedded System Design, Real time systems, Multimedia Communication.