Brief Profile

Name of Teaching Staff	Umesh D. Dixit		
Designation	Associate Professor		
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

- Umesh D. Dixit and M. S. Shirdhonkar, "Language-based Document Image Retrieval for Trilingual System," *International Journal of Information Technology (IJIT), Springer* (Online version published on Nov. 15, 2019)

- Umesh D. Dixit and M. S. Shirdhonkar, "Fingerprint-Based Document Image Retrieval," *International Journal of Image and Graphics (IJIG)*, vol. 19, no. 2, pp. 1-17, 2019.

- Umesh D. Dixit and M. S. Shirdhonkar, "Preprocessing Framework for Document Image Analysis," *International Journal of Advanced Networking and Applications (IJANA)*, vol. 10, no.4, pp. 3911-3918, 2019.

- Umesh D. Dixit and M. S. Shirdhonkar, "Face-based Document Image Retrieval System," *Procedia Computer Science, Elsevier*, vol. 132, pp. 659-668, 2018.

- Umesh D. Dixit and M. S. Shirdhonkar, "Signature based Document Image Retrieval using Multi-level DWT Features," *International Journal of Image, Graphics & Signal Processing (IJIGSP)*, vol. 9, no. 8, pp.42-49, 2017.

- Umesh D. Dixit and M. S. Shirdhonkar, "Automatic Logo Extraction from Document Images," *International Journal on Cybernetics & Informatics (IJCI)*, vol. 4, no. 2, 2015.

- Umesh D. Dixit and M. S. Shirdhonkar, "A Survey on Document Image Analysis and Retrieval System," *International Journal on Cybernetics & Informatics (IJCI)*, vol. 4, no. 2, pp. 259-270, 2015.

BOOK CHAPTERS

- Umesh D. Dixit and M. S. Shirdhonkar, "Face-Biometric Based Document Image Retrieval using SVD Features," *Computational Intelligence in Data Mining, Advances in Intelligent Systems and Computing Series*, Springer, vol. 556, pp. 481-488, 2017.

- Umesh D. Dixit and M. S. Shirdhonkar, "Language-based Document Images using Hybrid Texture Features," *Advances in Biometrics – Modern Methods and*

	Implementation Strategies, Springer E-Book, pp.183-208 2019.
	International Conferences
	• Umesh D. Dixit and M. S. Shirdhonkar, "Automatic Logo Detection and Extraction using Singular Value Decomposition," *Proc. IEEE Int'l Conf. on Communication and Signal Processing (ICCSP)*, pp. 787-790, 2016.
	• Umesh D. Dixit and M. S. Shirdhonkar, "Logo-based Document Image Retrieval using Singular Value Decomposition Features," *Proc. IEEE Int'l Conf. on Signal and Information Processing (IConSIP)*, pp. 1-4, 2016.
	• Umesh D. Dixit and M. N. Patill, "Microcontroller-based E-Agriculture System with Video monitoring", *Proc. ICECE*, pp. 1-4, 2012.
	• M. N. Patil, Umesh D. Dixit, C.A.Patil, "Microcontroller-based E-Agriculture System ", *Proc. of ICEICSE*, pp. 1-4, 2010.
	• Umesh D. Dixit, M. M. Kodabagi, C. A. Patil,R. B. Math, "Simulation of Bandwidth Management and QoS provisioning in Ad-Hoc wireless networks*," Proc. ICDF 2008*, 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	• 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	• 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 atWIT, 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.