P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	Mrs. UMA S.K	
Designation	*Associate Professor*	
Department & Affiliated Institution	Department of Computer Science & Engineering, P.E.S College of Engineering, Mandya – 571 401	
Area of Interest	Machine Learning, Block Chain Technology, IOT	
Contact Number	*+91 9449178175*	
Email ID	skumamandya@gmail.com	

Academic Profile

Educational Qualifications

Degree	Institute	University	Year of Passing	% ge	Class
M. Tech	IIT MADRAS	-	2000	*76*	*FC*
B.E	PESCE, Mandya	Mysore	1988	*62*	*FC*

Professional Experience

Organization and Department	Designation	Period	Total Experience
PESCE, Mandya	Temporary Lecturer	01/12/1988 to 31/07/1994	6 Years 8 Months
PESCE, Mandya	Permanent Lecturer	01/08/1994 to 31/07/2000	6 Years 9 Months
PESCE, Mandya	Senior Grade Lecturer	01/08/2000 to 19/01/2004	4 Years 5 Months
PESCE, Mandya	Assistant Professor	20/01/2004 to 31/03/2015	12 Years 2 Months
PESCE, Mandya	Associate Professor	01/04/2015 to Till date	6 Years 4 Months

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	Undergraduate: Data Communications, Operating System, Pascal, Cobal, Fortran, Discrete Mathematical Structures, Computational Methodology I, Computational Methodology II, Computational Methodology III, Graph Theory, Computer Graphics, 8085 Microprocessor, 8086 Microprocessor, AVR Microcontroller, Complier Design, Finite Automata, C & Python Programming, Object Oriented Programming with C++, Software Engineering, Data Structures, Algorithm Design and Analysis, Computer Network I, Computer Networks II, Logic Design Post Graduate (M. Tech):

Advanced Algorithm		
Research Publications in Refereed Journals and Conferences/Symposia		
Number of Publications in	**National**	**International**
Journals	-	*14*
Conferences/Symposia	*2*	-
Other Important Responsibilities Held in the College		

1. *Head of the Department (8/10/2007 to 6/7/2010)*
2. *BOE Chairman*
3. *BOS Member*

4. *Chairman for Women Empowerment Cell*
5. *NBA Coordinator for Criteria 4*

LIST OF PUBLICATIONS

National Journal

1. Harshith S, Nuthan P, Shashank M, Shivasharana S K Uma, "Smart Central-Service Monitoring System for Metropolitan City People", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 8, Issue VII, July 2020, ISSN: 2321-9653, IC Value: 45.98; Impact Factor: 7.429, PP: 460-463.

2. Kavya K P, S K Uma, "Innovative Approach to Detect Intruder in Coconut and Areca Nut Farmlands", International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 9, Issue 4, April 2020, ISSN: 2320-088X, Impact Factor: 6.199, PP: 1-6.

3. Harshith K S, S K Uma, Raghavendra Babu T M, "A Survey On: Energy Generation for Development of Smart Cities", International Journal of Innovative Research in Science, Engineering and Technology Vol. 8, Issue 3, March 2019 PP: 2689-2693.

4. Harshith K S, S K Uma, Raghavendra Babu T M, "Alternate Energy Generating from Busy Roads by using Speed Breaker Mechanism", International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 7, Issue V, May 2019 PP:2935-2937.

5. Harshith K S, S K Uma, Raghavendra Babu T M , "Alternate Energy Generating from Busy Roads by using Windmill Fan mechanism" International Journal of Research and Analytical Reviews (IJRAR) 20 May 2019, Volume 6, Issue 2 PP:183-185.

6. Archana M P, Uma S K, Raghavendra Babu T M, "Monitoring and Controlling Of Poultry Farm Using IOT", International Journal of Innovative Research in Computer and Communication Engineering ISSN(Online): 2320-9801 Vol. 6, Issue 4, April 2018pg- 3573- 3579.

7. Archana M P, Uma S K, Raghavendra Babu T M, "A Survey on: Monitoring Of Poultry Farm Using IOT", International Research Journal of Engineering and Technology (IRJET) -ISSN: 2395-0056 Volume: 05 Issue: 04 | Apr-2018 Page 4635- 4638.

8. Ashok.R, Mrs S K Uma "Garden Environmental Monitoring & Automatic Control System Using Sensors", International Journal for Modern Trends in Science and Technology All rights reserved. Volume: 2 ,Issue: 05, Page no-141-144, May 2016

9. S K Uma, Nishchitha S "Appearance Based Classification of Rigid and Non-Rigid Objects From Video" International Journal of Technical Research and Applications e- Volume 4, Issue 3, page-no 81-84 May-June, 2016

10. S K Uma, Srujana B J and Dr. B R Ramachandra, "HOG and CS-LBP Methods for Human Detection with Occlusion", International Journal of Computer Science and Information Technology Research, ISSN 2348-1196, Vol. 3, Issue 2, pp: (692-698), April - June 2015.

11. P Bhaskar Rao and S K Uma, "RASPBERRY PI HOME AUTOMATION WITH WIRELESS SENSORS USING SMART PHONE", International Journal of Computer Science and Mobile Computing (IJCSMC), ISSN 2320–088X, Vol. 4, Issue: 5, pp: 797-803, May 2015.

12. Harishbabu K M and S K Uma, "Applications of Wavelet Transform To Multimodality Medical Image (PET&MRI) Fusion", International Journal of Computer Science and Information Technology Research, ISSN 2348-1196, Vol. 3, Issue 2, pp: (699-705), April - June 2015.

13. S.K. Uma "Feature Extraction for human detection using HOG and CS-LBP method" in International journal of computer application ISSN 2348-1196 (print) ISSN 2348-120X (online) Vol. 3, Issue 2, pp: (897-904), April - June 2015

14. S.K. UMA "Moving Object Detection using Background Subtraction and Shadow Removal from video" in International Journal of Advanced Technology ISSN 238-7550 Vol. 2, Issue 7, pp: (450-461), July 2014

International Conference

1. S K Uma and Srujana B J, "FEATURE EXTRACTION FOR HUMAN DETECTION USING HOG AND CS-LBP METHODS", International Journal of Computer Applications (0975 – 8887), National Conference "Electronics, Signals, Communication and Optimization" (NCESCO 2015).

2. S.K. Uma "Automatic Road Traffic Control Based on Motion Object" in National Conference on Current Trends in Computer Science and Engineering pp:690-695 July 2013