

# BIO DATA

## **1. General Information:**

**Name:** Sujata Desai

**Designation:** Assistant Professor

**Experience in Teaching:** 23 years

**Office address:** Department of Computer Science and Engineering BLDEA's Dr. P.G.  
H. College of Engineering and Technology, Bijapur 586103, Karnataka, India.

**Email:** shreeja.clg@gmail.com

## **2. Educational Qualifications:**

- M.Tech in Computer Science, Visvesvaraya Technological University, Belgaum, during the year 2002-03
- B.E in Computer Science, Gulbarga University, during the year 1995-96

## **3. Area of Interest:** Image processing , Pattern recognition , Compiler Design

## **4. Workshop/ FDP/ Seminar/ Tutorial Attended:**

1. Two days workshop on “ Pattern Recognition and Image processing at Dept. of Computer science and Engineering, KBN College of Engineering and Technology, Gulbarga during 15-16 May 2006.
2. Two days “IBM Faculty Development Program” at Dept. of Computer science and Engineering, BLDEAS College of Engineering and Technology, Bijapur during 2-3 May 2008.
3. Two days workshop on “Compiler Design” at Vivekananda Institute of Technology, Bangalore, during 19-20 February 2009.
4. Four days workshop on “ Computer Graphics and Visualization” Organized by Dept. of Computer science and Engineering and Information Science and Engineering, RNS Institute of Technology, Bangalore during 28-31 January 2009.
5. One day workshop on “ “Art of writing a Technical paper,its Publication” and “ Emotional Engineering”A.G.Patil College of Engineering and Technology, Solapur during 6<sup>th</sup> September 2010..

6. Three days workshop on “ Aerospace Science and Technologies” Organized by CSIR- National Aerospace Laboratories, Bangalore and BLDEA’s College of Engineering and Technology, Bijapur, during 19-21 February 2010.
7. 5 days Faculty Development program “Mission 10X” organized by WIPRO, Bangalore at BLDEA’s V.P Dr. P G Halakatti College of Engineering and Technology Bijapur During 15<sup>th</sup> to 19<sup>th</sup> march 2011.
8. 3 days workshop on “ LaTeX and its Pratical Approach” at Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur during 5-6 May 2012.
9. One day Seminar on “Recent Advances in Computer Applications” at Dept. of Computer science, Karnataka State Women’s University, Bijapur, on 27<sup>th</sup> February 2013.
10. One day workshop on “SHE- Sthree Holistic Empowerment” at Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur on 16<sup>th</sup> March 2013.
11. One day workshop on “ Intellectual Property Rights” organized by Dept. of Industries and Commerce, Government of Karnataka and BLDEA’s College of Engineering and Technology, Bijapur during 26<sup>th</sup> August 2014.
12. Two days Faculty Development Program on “ Networking 101 and Network Access Control” at Dept. of Information science and Engineering, BLDEA’s College of Engineering and Technology, Bijapur during 18-19 October 2014.
13. Five days workshop on “ Wavelets and Applications” organized by Dept. of Computer science and Engineering, BLDEA’s College of Engineering and Technology, Bijapur during 09-13 June, 2014.
14. One day workshop “Sarvotumukhi” on the eve of World Women’s Day, at BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur, on 8<sup>th</sup> Mar. 2014
15. One day workshop “Make It Happen” on the eve of World Women’s Day, at BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur, on 22nd Mar. 2015.
16. One Week FDP on “Research Methodology & Issues” organized by Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur from 08-06-2015 to 12-06-2015.
17. FDP on “Research Methodology & Issues” organized by Basaveshwar Engineering College under TEQIP II from 24-02-2017 to 25-02-2017.
18. One Week FDP on “ Usage of ICT Tools ” organized by Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur from 29-01-2018 to 03-02-2018.

## **5. List of Courses Taught for UG**

1. Formal languages and Automata Theory
2. Compiler Design

3. Data Base Management System
4. Java & J2EE
5. Object Oriented Programming with C++
6. C and Data Structure
7. Logic Design
8. Storage Area Network
9. System Software & Compiler Design
10. Design & Analysis of Algorithms
11. Graph Theory & Combinatorics

## **6. List of Courses Taught for PG**

1. Storage Area Network
2. Digital Image processing
3. Data Mining & Data Warehousing
4. Big Data Analytics

## **7. List of Projects Guided for UG:**

1. Tech Quest (Online Test)
2. Pop3 mail Viewer on J2ME Devices
3. Automated Voice Response System.
4. Remote Login
5. One Time Password Implemented System
6. File Tracking System
7. Adhoc Communication using Bluetooth
8. Architecture Model for Server Deploying multifactor token based Authentication and Authorisation.
9. Digital Signature for image authentication using wavelet Transform
10. Face Hallucination

## **8. List of Projects Guided for PG:**

1. Wireless Sensor Network Security Model Using Zero Knowledge Protocol
2. An Improved Service Discovery Approach on Decentralized Peer-to-peer Networks.
3. Recognition of Plants using Flower and Leaf Images
4. Wavelet Based Denoising of Brain MRI Images
5. Text recognition from Scanned documents
6. An Approach for Text Recognition from Document Text Images
7. Intercropping Recommendation System Using Machine Learning

## **9. Work record other than teaching:**

1. Coordinator for Mission Parivarthan from 2007 to 2013
2. Coordinator for ISTE student chapter from 2008 to 2010
3. Coordinator for State level paper presentation held in 2008
4. Coordinator for National Seminar on Recent Trends in Information Technology held during 2009
5. Department IA Incharge from 2010 to 2013
6. Internet Programming Lab Incharge from 2018 to till date
7. Department IA Incharge from 2018 to till date
8. BLDEA's Ladies Hostel Warden 2019 to till date

## **10. Publications:**

1. Sujata Desai and Darshana Rajput., "An Approach for text Recognition from Document Images" , 2020 IEEE Bangalore Humanitarian Technology Conference (B-HTC) 8-10 Oct. 2020
2. Sujata S. Desai , Veena Patil , Deepa Dasu Pawar "Text recognition from Scanned documents" International Journal of Engineering Research And Management (IJERM) June 2019.

3. Sujata Desai and Namrata Bohite, “ Marginal Noise Removal from Scanned Document Images”, International Journal of Research in Computer Applications and Robotics, June 2018
4. Sujata Desai, Dattatreya M., “ Effective Approach for Content Based Image Retrieval in Peer to peer Networks” International Research Journal of Engg &Tech (IRJET), held at Vijayawada on th June , 2017
5. Sujata Desai, Adiba Maniyar “Recognition of Text in Natural Images” International Research Journal of Engineering and Technology may 2016
6. Sujata Desai, Mahadev Utagi, “ Automatic Recognition of Plats using Leaf and Flower Images”, International conference Emerging Trends in Engineering Research, held at Vijaywada on 14<sup>th</sup>, June 2015.
7. Sujata Desai, Lubna Khazi “ Wavelet Based Denosing of Brain MRI Images” , International Journal of Engineering And Computer Science, April 2015.
8. Sujata Desai, Aswini ambi “ Wireless Sensor Network Security Model Using Zero Knowledge Protocol ”, International Conference ICE2CSM2E-2014 , held at Pune during December 11-13,2010, Pages: 72-76.
9. Sujata Desai, Shreedevi Wali “An Improved Service Discovery Approach on Peer-To-Peer Network “ at ICITCSM held at Goa on 10<sup>th</sup> may 2014
10. Sujata Desai, B.S.Anami and S.M.hatture,(2008),“Approach for personalization of News Services”, proceedings of the Indian conference on Women Science congress-2008,held at Karnataka State Women University, Bijapur.

## **11. Membership in professional societies :**

1. Indian Society of Technical Education, India. (Membership No. : LM 43020)
2. Institution of Engineers India. (Membership No. : AM 092991)

## **12.Other Achievements/Rewards:**

1. Received Best Project award for the project guided in the Karnataka State Council for Science and Technology for the project entitled TechQuest during the year 2004 – 2005 .
2. Received Best Paper Award for the paper entitled “ An approach for Text Recognition from Document Images” at "Bangalore Humanitarian Technology Conference" BHTC-2020 organized by IEEE Bangalore Section from 8-10 October, 2020
3. Received grant from VGST ( Vision Group of Science andTechnology) Govt., Karnataka of Rs. 500000/- under RFTT during the year 2016 - 17