

# **BIODATA**

## **1. General Information:**

**Full Name:** Dr. PRAKASH H. UNKI

**Designation:** Associate Professor

**Office address:** Department of computer Science and Engineering, B.L.D.E.A's Dr. P. G. H. College of Engineering and Technology, Vijayapur 586103, Karnataka, India.

**Email:** p\_unki@rediffmail.com

## **2. Educational Qualifications:**

<b><u>Sl. No.</u></b>	<b><u>Degree</u></b>	<b><u>University/Board</u></b>	<b><u>Year</u></b>	<b><u>Class</u></b>
1	Ph.D. (Computer Science and Engineering)	Visvesvaraya Technology University, Belgaum, Karnataka, India. Research center-BEC, Bagalkot.	2017	--
2	M.Tech. (Computer Science and Engineering)	Visvesvaraya Technology University, Belgaum, Karnataka, India.	2006	First Class with Distinction
3	B.E.((Electronics & Communication)	Karnataka University, Dharawad,Karnataka, India.	1996	First Class with Distinction
4	P.U.C.	Karnataka PreUniversity. Board	1992	First Class
5	S.S.L.C.	Karnataka Secondary Education Examination Board	1990	First Class

### **3. Experience in Teaching: 18 years**

<b>Sl.No</b>	<b>Name and Address of Employer &amp; Institution</b>	<b>From</b>	<b>To</b>	<b>Duration</b>	<b>Designation</b>
1	Govt. Polytechnic, Bijapur, Karnataka.	17-09-1996	31-03-1997	6 Months	Lecturer
2	M.B.E. Society's College of Engineering Ambajogai, Dist. Beed, Maharashtra,	22-07-1997	31-08-1999	2 Years-1 Month	Lecturer
3	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka.	01-09-1999	30-08-2006	7 Years	Lecturer
4	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka	01-09-2006	30-11-2007	1 Year 3 Months	Senior Grade Lecturer
5	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka	01-12-2007	31-12-2011	4 years-1 Months	Assistant Professor
6	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka	01-01-2012	02-02-2014	2 Years-1 Month	Associate Professor
7	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka	03-02-2014	22-06-2014	4 Months	Associate Professor & HOD
8	B.L.D.E.A's Dr.P.G.H. CET, Bijapur,Karnataka	23-06-2012	Till Date	1 Year-3 Months	Associate Professor

### **4. Area of Interest: Digital Image Processing, Pattern Recognition**

### **5. Professional Membership:**

<b>Sl. No.</b>	<b>Professional body</b>	<b>Membership Number</b>
1	ISTE (The Indian Society for Technical Education)	LM 32714
2	IEI (The Institute of Engineers)	AM/092989/4
3	CSI (The Computer Society of India)	N1277050

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

Sl. No.	Date		No. of days	Topic	<u>Organized by</u>
	From	To			
1	05/10/01	---	1	Workshop on Model Question Paper Setting	VTU Belgaum, Venue: KLECET, Belgaum
2	21/10/01	---	1	Linux Server Administration and Oracle DBA	Pace Computer Education, Hubli
3	29/10/01	03/11/01	2	Linux Kernel Internals	Linux Learning Centre, Bangalore
4	04/04/03	05/04/03	2	UML and Rational Rose	SDM CET, Dharwad
5	17/01/05	05/02/05	21	UGC SPONSORED REFRESHER COURSE on Digital Image Processing	JNTU, HYDERABAD, ANDHRA PRADESH, INDIA
6	10/03/06	12/03/06	3	MATHTEA	BVB CET, Hubli
7	07/12/06	09/12/06	3	Pre-conference Tutorials on document analysis and level sets	ICSIP-06, BVB CET, Hubli
8	17/03/07	18/03/07	2	Mathematical Methods and Applications	BEC, Bagalkot
9	02/05/08	03/05/08	2	IBM Faculty Development Programme	B.L.D.E.A's Dr.P.G.H. CET, Bijapur, Karnataka
10	26/05/08	10/06/08	15	AICTE Sponsored Staff Development Program on 'Image Processing and Its Applications in Medicine'	PSGCT, Coimbatore, Tamilnadu
11	25/05/09	26/05/09	2	Research Methodology & Report Writing	VTU e-Learning Center, Mysore, Venue: GIT, Belgaum
12	31/12/09	---	1	VTU Thesis Development using Latex	VTU e-Learning Center, Mysore, Venue: SJCE, Mysore

13	19/02/10	19/02/10	3	AEROFEST 2010	CSIR and B.L.D.E.A's CET, Vijayapur
14	26/07/10	31/07/10	6	Computational Neuroscience	GNDEC, Bidar
15	06/09/10	---	1	Art of Writing a Technical Paper, its Publication and Emotional Engineering	A. G. Patil institute of Tech., Solapur
16	24/01/11	28/01/11	5	Short Term Training Program on 'Linear Algebra and Its Applications'	JNNCE, Shimoga
17	05/05/12	06/05/12	2	FDP On 'Latex and its Practical Approach'	Dept. of CSE, BLDEA's Dr. P.G.H. CET, Bijapur
18	27/02/13	---	1	Seminar on Recent Advances in Computer Applications	Karnataka State Women's University, Bijapur
19	15/03/13	15/03/13	2	Understanding Jan-2013 Format of NBA	Walchand College of Engineering, Sangli, Maharashtra
20	08/06/15	12/06/15	5	Faculty Development Program on Research Methodology and Issues	Dept. of CSE B.L.D.E.A's CET, Vijayapur

## **6. List of Courses Taught:**

### **UG:**

- Operating System.
- System Software
- Computer Organization
- Introduction to Unix
- Unix System Programming
- Advanced Computer Architecture
- Client server Computing
- COBOL
- Artificial Intelligence
- Software Engineering

- Operating System
- Linux Kernel Internals
- Management in Engineering
- Computer Network
- Database Management System

**PG:**

- Advances in Computer Architecture
- Artificial Intelligence and Agent Technology
- Advanced Database Management System

**7. Projects Guided for UG: 15**

- Secured Dynamic Cluster Based Wireless Sensor Network (2014-15).

**8. List of Projects Guided for PG: 2**

- Tumor Detection from Brain MRI Images Using Symmetric Analysis (2014-15).

**9. Number of Publications: 11**

**International Conferences**

1. B. S. Anami, D. G. Savakar, Aziz Makandar, and P.H.Unki, (2005), “A Neural Network Model for Classification of Bulk Grain Samples Based on Color and Texture”, Proceedings of the First International Conference on Cognition and Recognition ICCR-05 held at P.E.S.college of Engineering, Mandya, Karnataka,India, during December 22-23, 2005, pp. 359-368.
2. B.S.Anami, D.G.Savakar, P.H.Unki, S.S.Sheelavant, (2006), “An Artificial Neural Network Model For Separation, Classification, and Gradation of Bulk Grain Samples”, Proceedings of the IEEE-International Conference on Signal and Image Processing

ICSIP-06, held at BVB CET, Hubli, Karnataka, India, during December 07-09, 2006, pp. 511-520.

3. B. S. Anami, D. G. Savakar, P.H.Unki, R.D.Salagar (2008), “ Identification and Classification of Bulk Jasmine Flowers”, Proceedings of the Second International Conference on Cognition and Recognition ICCR-08, held at P.E.S.college of Engineering, Mandya, Karnataka,India, during April 10-12, 2008, pp. 428-435.
4. Basavaraj S. Anami, Prakash H. Unki and Meher Afroze Shaikh, ” Tumor Detection from Brain MRI Images using Symmetric Analysis,” International conference on emerging trends in engineering research, Vol.1, pp.103-108, 2015.

#### **National Conferences**

5. Basavaraj S. Anami, Prakash H. Unki, “A methodology for recognition of coronal, sagittal and axial brain MRI images,” in Proceedings of the Third National Conference on Recent Trends in Communication, Computation and Signal Processing (RTCSP-2011) Coimbatore, Tamilnadu, India, 2011, pp. 336-339.
6. Basavaraj S. Anami and Prakash H. Unki, “A Combined Fuzzy and Level Sets’ Based Approach for Brain MRI Image Segmentation,” National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG 2013) held on 19-21, December 2013 at Jodhpur, India. Digital Object Identifier: 10.1109/NCVPRIPG.2013.6776216, pp. 1-4. (available in IEEE Digital library).

#### **International Journals**

7. Basavaraj S. Anami, Prakash H. Unki, Balaji T. Anvekar “A Wavelet Based Reduced Feature Set for Classification of Brain MRI Images into Normal and Abnormal,” International Journal of Tomography & Simulation (IJTS), Volume 21, Issue 3, pp. 18-32, 2012.

8. Basavaraj S. Anami and Prakash H. Unki, "Reduced Texture Based Features' Approach for Identification of Different Views of Brain MRI Images," International Journal of Tomography & Simulation (IJTS), Volume 25, Issue 1, pp. 86-100, 2014.
9. Basavaraj S. Anami and Prakash H. Unki, " A Fuzzy-C-Means Approach for Tissue Volume Estimation in Brain MRI Images" International Journal of Computer Applications, Volume 1, pp. 21-24, 2014.
10. Basavaraj S. Anami and Prakash H. Unki, " Multilevel Thresholding and Fractal Analysis Based Approach for Classification of Brain MRI Images into Tumor And Non-Tumor " International Journal of Medical Engineering and Informatics, Vol. 8, Issue 1, pp. 1-13, 2016, Inderscience Publishers.
11. Prakash H.Unki and Farhat Mulla, (2016), "Clustering of Medical Documents using Symptom/Medication Names", International Journal of Advance Research in Science and Engineering, Vol. 5, Issue 7, pp. 30-36.