




H.K.E Society's

## PoojyaDoddappaAppa College of Engineering, Kalaburagi

### FACULTY PROFILE FORMAT

<b>Personal Details</b>	
Name: <b>Dr. Anita Harsoor</b>	
Designation: <b>Professor and PG (CSE) Coordinator</b>	
Department: <b>Computer Science and Engineering</b>	
College Address: <b>P.D.A. College of Engg.</b>	
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<b>Areas of Interest</b>	<ol style="list-style-type: none"> <li>1. Digital Image Processing</li> <li>2. Computer Vision</li> <li>3. Cloud Computing</li> <li>4. Data Analytics</li> <li>5. Internet of Things</li> </ol>
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<b>Subjects Taught</b>	
<b>UG</b>	<b>PG</b>
Programming in C	Digital Image Processing
Data Structures	Advanced Database Management System
Object Oriented Programming	Advanced Operating System
Java and Advanced Java	Internet of Things
Database Management System	Software Engineering and Quality Assurance
Python Programming	Cloud Computing
System Software	
Software Engineering and Testing	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Digital Image Processing	Gulbarga University, Gulbarga	Gulbarga University, Gulbarga	December 2016
PG (M.tech /M.E)	Information Technology	Karnataka University, Mysore	Karnataka University, Mysore	June 2010
UG (B.Tech /B.E)	Computer Science and Engineering	Allahabad University, Allahabad	Allahabad University, Allahabad	August 2007

Work Experience							
Name of the Institution		Position		From		To	
P.D.A. College of Engineering		Programmer		1989		2009	
P.D.A. College of Engineering		Assistant Professor		2009		2017	
P.D.A. College of Engineering		Associate Professor		2017		2022	
P.D.A. College of Engineering		Professor		2022		Till date	
<b>Total Experience</b>	34	<b>Teaching</b>	15	<b>Research</b>	15	<b>Administration</b>	1

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		23		5	
Recent Publications (Journals)					
1.	Color Histogram for Content-Based Image Retrieval, International Journal of Advances in Science and Technology, Vol. 3, No.4, 2011, PP 8-14, ISSN 2229 5216, Impact factor 2.87.				
2.	Selective Median Switching Filter for Noise Suppression in Microstructure Images of Material International Journal of Image Processing (IJIP), Volume (7) : Issue (1) : 2013, pp 101-108 ISSN - 1985-2304.				
3.	Automated 3D Quantitative Analysis of Digital Microstructure Images of Materials using Stereology, International Journal of Computer Applications (0975 – 8887) Recent Advances in Information Technology, 2014, pp 25-32, ISBN : 973-93-80884-30-7, Impact factor 0.791.				

4.	Microstructure Image Analysis for Estimating Mechanical Properties of Ductile Cast Iron, International Journal of Computer Applications (0975 – 8887) Volume 107 – No 17, Dec. 2014, ISBN : 973-93-80884- 30-7, Impact factor 0.715.
5.	3-Dimensional Analysis of Microstructure Images Acquired through Serial Sectioning of a Material, 2015, IJARCSSE Volume 5, Issue 1, January 2015 , pp 186-191, ISSN: 2277 128X, Impact factor 2.5.
6.	An Improved Method for 3-Dimensional Analysis of Microstructure Images Acquired through Serial Sectioning of a Material, Intl' J. of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 5, No.5, 2015, pp. 593-599. ISSN:2277 128X.
7.	Analysis and Characterization of Dendrite Structures from Microstructure Images of Material, Intl' J. of Research in Engineering and Technology, Vol.4, No. 5, 2015, pp. 136-140. eISSN: 2319-1163 pISSN : 2321-7308.
8.	Automated 3D Quantitative Analysis of Digital Microstructure Images of Materials using Stereology, in Proc. of National Conf. on Recent Advances in Information Technology, NCRAIT, Feb 15-16, 2014, Solapur University, Solapur, pp 25-32.
9.	Forecast of Sales of Walmart Store using Data Applications, IJRET Jan-2014, eISSN2319-1163 pISSN: 2321-7308,pp 51-5
10.	A Regression Model for Estimating the Cooling Time of Material using Digital Image Processing Techniques. International Conference on Emerging Research in Computing, Information, Communication and Applications (ERICICA 2016), July 29-30, 2016, NMIT, Bangalore (Springer-Nature).
11	A Real Time Based Machine Learning System with Big Data Analytics for Diabetes Detection and Classification, IJRET, May 2017, eISSN2319-1163 pISSN: 2321-7308,pp 121-124
12	Cloudlet based Medical Data Sharing with Privacy Protection, International Journal of innovative Technology and Exploring Engineering, 2019, vol 8, No 9, ISSN-2278-3075 , pp 2538-2542,
13	Reversible Data Hiding in Encrypted Image , International Journal of innovative Technology and Exploring Engineering, 2019, vol 8, No 9,ISSN-2278-3075 , pp 2534-2537.
14	Anxiety and Depression Posts in Reddit Social Media, International Journal for Research Trends and Innovation, 2020, vol 6, No 9, ISSN: 2456-3315

<b>Memberships in Professional Bodies</b>	
<b>S.No.</b>	<b>Name of the Professional Body</b>
1.	Indian Society For Technical Education (ISTE) Life member
2.	

<b>Programs Organized</b>
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1.	Parent meet
2.	Blue chip Association co-coordinator Conducted extra curriculum activities , Co Curriculum activities, Cultural activities and Quiz
3.	Worked as Coordinator for two days Faculty Development Program organized by IIPC, 2012
4.	Worked as Research Coordinator
5.	PG (CSE) Coordinator

<b>Awards</b>	
1.	

<b>Training Programmes Attended</b>	
1.	Big Data and Hadoop (BDH) 17 29.02.2016 To 04.03.2016 P.D.A.College of Engg., Gulbarga
2.	Tools in Teaching, Learning and Research 18 20.11.2016 To 30.11.2016 R.E.C. Bhalki
3.	Pedagogical Skills Training for Engg. Teachers 19 27.02.2017 To 03..03.2017 P.D.A.College of Engg., Gulbarga
4.	Software Testing and Quality Assurance 21 20.03.2017 To 23.03.2017 P.D.A.College of Engg, Gulbarga
5.	Data Analytics Using R. 7th - 11th March 2017 P.D.A.College of Engg., Gulbarga
6	Train the Trainer Program for Librarian 22 19.05.2017 To 20.05.2017 P.D.A.College of Engg., Gulbarga
7	"Power Quality Issues & Mitigations" 24th - 26th Oct 2016 P.D.A.College of Engg., Gulbarga
8	"Featuring User Interfaces Using Python" 24th 26th March 2017 P.D.A.College of Engg., Gulbarga
9	"Realtime Data warehousing & Visualization: tools & technologies" 25th - 26th March 2017 P.D.A.College of Engg., Gulbarga
10	"Machine Intelligence for Data Analysis using Python" 4th - 9th April 2018 P.D.A.College of Engg., Gulbarga
11	Data Analytics Using R 7th - 11th March 2017 P.D.A.College of Engg., Gulbarga



13	"Discrete Mathematical Structures" 27th - 31st July 2018 VTU Kalaburagi
14	Effective Teaching And Learning In OBE And Lifeskills For Engineers 9th March 2019 PDACEK
15	Cyber Security 14th to 18th March 2019 PDACEK
16	Data Science for Engineers 03 June to 3 Sept 2019 <b>NPTEL-AICTE</b>
17	Applications of IoT Technology with industry and Smart city perspective 17 to 21 Aug 2019 PDACE Kalaburagi
18	Blockchain Technology (CSI) 26 to 28 May 2020 KIIT ,New Delhi (CSI)
19	NBA and NAAC Accreditation Process 04 to 8 June 2020 M.S. Ramaiah Institute of Technology, Bangalore
20	Effective Teaching And Learning In Obe And Lifeskills For Engineers 3/9/2019 PDACE Kalaburagi
21	Open Stack Containers in Cloud Computing Technology 23 to 25 March 2021 PDACEK
22	Exemplary Practices in Teaching Learning and Evaluation of Courses 03- to 07 August 2020 IIIT, Allahabad
23	Fundamentals of Openstack and Containers in Cloud Computing Technology 23 to 25 March 2021 PDACEK
24	Safety and Security for Women and Girls 25/3/2021 PDACEK
25	Cyber Security (ATAL ACADEMY) 09 to 13 November 2020 SIDDAGANGA INSTITUTE OF TECHNOLOGY. ( <b>ATAL ACADEMY</b> )
26	Bloch Chain (ATAL ACADEMY) 02 to 06 November 2020 PDACEK ( <b>ATAL ACADEMY</b> )
27	IoT Trends & Strategies with Machine Learning 30 Dec 2019 to 4 Jan 2021 VTU REGIONAL OFFICE, KALABURAGI

### Special Lectures Presented

1.	Resource Person for one week Short Term Training Program (STTP) entitled “Automation using Internet Of Things”
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### Role & Responsibilities

1.	Worked as coordinator for “Bluechip” Students Association Assisted in
2.	Syllabus setting of various subjects and labs.
3.	Worked as technical support staff for VTU’s MBA/MCA Counseling during 2007

4.	Worked as technical support staff for VTU's MBA/MCA Counseling during 2007
5	Worked as training staff in Internet IT Mela – 2006 organized by District Authority
6	Worked as Coordinator for two days Faculty Development Program organized by IIPC, 2012
7	Worked as Tech support member for Online GATE 2014, 2015 exams.
8	Worked as Coordinator for “ Software Testing and Quality Assurance”
9	Worked as Tech support member for NEET 2017 exam
10	Member of Board of Studies (BOS) of Computer Science and Engg. Dept. PDA College of Engg., Kalaburagi
11	Member of Board of Examination (BOE) for the year 2017-2020 of Computer Science and Engg. Dept. PDA College of Engg., kalaburagi
12	Member of Board of Syllabus (BOS) of Sharanbasava University for Master of Computer Application Board, Kalaburagi.
13	Chairman of Board of Examination (BOE) for the year 2020-2021 of Computer Science and Engg. Dept. PDA College of Engg., kalaburagi