




**H.K.E Society's  
PoojyaDoddappaAppaCollegeofEngineering,Kalaburagi**

**FACULTYPROFILEFORMAT**

PersonalDetails	
Name: <b>Dr.Anita Harsoor</b>	
Designation: <b>ProfessorandPG(CSE) Coordinator</b>	
Department: <b>ComputerScienceandEngineering</b>	
CollegeAddress: <b>P.D.A.CollegeofEngg.</b>	
Contact: <b>9972694242</b>	
E-mailid(college mailid): <a href="mailto:anitaharsoor@pdaengg.com">anitaharsoor@pdaengg.com</a>	

<b>AreasofInterest</b>	1. DigitalImage Processing 2. ComputerVision 3. CloudComputing 4. DataAnalytics 5. InternetofThings
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SubjectsTaught	
UG	PG
Programming inC	DigitalImageProcessing
DataStructures	AdvancedDatabaseManagementSystem
ObjectOrientedProgramming	AdvancedOperatingSystem
JavaandAdvancedJava	InternetofThings
DatabaseManagementSystem	SoftwareEngineeringandQualityAssurance
PythonProgramming	CloudComputing
SystemSoftware	
SoftwareEngineeringandTesting	

Academic information				
Degree	Specialization	Nameof the Institute	University	Monthand Yearof Passing
Ph.D	DigitalImage Processing	Gulbarga University, Gulbarga	Gulbarga University, Gulbarga	December 2016
PG (M.tech /M.E)	InformationTechnology	Karnataka University,Mysore	Karnataka University, Mysore	June 2010
UG (B.Tech /B.E)	ComputerScienceand Engineering	Allahabad University, Allhabad	Allahabad University, Allhabad	August 2007

WorkExperience							
Nameofthe Institution		Position		From		To	
P.D.A.Collegeof Engineering		Programmer		1989		2009	
P.D.A.Collegeof Engineering		AssistantProfessor		2009		2017	
P.D.A.Collegeof Engineering		AssociateProfessor		2017		2022	
P.D.A.Collegeof Engineering		Professor		2022		Tilldate	
Total Experience	34	Teaching	16	Research	15	Administration	1

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	23		5		28
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, pp101-108 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: 2277128X, 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: 2277128X.				
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, eISSN 2319- 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, eISSN 2319-1163   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				

Dr. Anita Harsoor							
1	Severity Analysis Framework for Brain Lesion Prediction using Real Time Images	TELEMATIQUE	Web of Science Vol 22 Issue 1	825-831	ISSN: 1856-4194	2023	Kavita Goura, Dr. Anita Harsoor
2	A Systematic Review on Multiple Sclerosis	International Conference on Cognitive and Intelligent Computing (ICCIC 2022)	Springer Proceedings Vol 2	685-690	-	27-28 Dec 2022	Kavita Goura and Dr. Anita Harsoor
3	Location-Based Geographical-Spatial Data Mining for Detection and Visualization of Reported Problems using Image Processing Techniques	International Conference on Artificial Intelligence and Data Science (ICAIDS 2022) Grenze International Journal of Engineering and Technology	-	2439-2445	Grenze ID: 01.GIJ ET.9.1. 321	08 October 2022	Dr. Anita Harsoor, Bhavani Soma
4	A Survey on Location-Based Geospatial Data Mining using Digital Image Processing Techniques	International Conference on Paradigms of Communication, Computing and Data Sciences (PCCDS 2022)	-	569-575	Doi.org /10.524 58/978-81-95020/5-9-55	05 July 2022	Anita Harsoor, Bhavani Soma
5	An Optimized Intelligent Severity Analysis Framework for Brain Lesion Prediction	The Seybold Report	Scopus Vol 18	1872-1888	ISSN: 1533-9211 DOI10.17605/OSF.IO/3VGC R	2021	Kavita Goura, Dr. Anita Harsoor
6	Machine Learning Based Advanced Driver assistance System for Efficient Fuel Consumption in Driving	International Conference on Advances in Communication and Computing Technology (ICACCT- 2021 )	IEEE Conference Proceedings	366-370	-	28-29 Dec 2021	Dr. Anita Harsoor, Adiba Anjum Ara
7	Anxiety and Depression Posts in Reddit Social Media	International Journal for Research Trends and Innovation	Vol 5 Issue 9	1-6	ISSN: 2456-3315	2020	Dr. Anita Harsoor
8	Reversible Data Hiding in Encrypted Image	International Journal of Innovative Technology and Exploring Engineering	Vol 8 , Issue 9	2533-2537	ISSN-2278-3075	2019	Dr. Anita Harsoor, Kalpana Hangargi, Prakash Pattan
9	Cloudlet based Medical Data Sharing with Privacy Protetion	International Journal of innovative Technology and Exploring Engineering	8	2538-2542	ISSN-2278-3075	2019	Dr. Anita Harsoor, Revansidda, Prakash Pattan

10	Fusion Based Method For Content Based Image Retrieval	Journal of Emerging Technologies and Innovative Research	Vol 5, Issue 6	614-619	ISSN-2349-5162	2019	Dr. Anita Harsoor, Bhavani Soma
11	Flood Loss Analysis with Smart Security using IoT	International Journal of Latest Trends in Engineering and Technology	Vol 10, Issue 3	044-048	e-ISSN: 2278-621X	2018	Dr. Anita Harsoor, Sahana Kobalkar
12	A Social Re-Ranking System For Tag-Based Image Search With Image's Relevance And Diversity	International Journal of Latest Trends in Engineering and Technology	Vol 10, Issue 3	194-199	e-ISSN: 2278-621X	2018	Dr. Anita Harsoor, Shweta Hiremath

**Research Scholars Details: Dr. Anita Harsoor**

Sl.No	Candidate Name	Course		Year of Registration	Research Topic	Status of Completion of										
		Ph.D	Candidate USN			Course work [Yes/No]	References	Interview	Viva-Voce	DRC-I	DRC-II	Open Seminar - I	Open Seminar - II	Colloquium	Submitted Final Thesis	Yes/No
1	Pooja	Y		2020	Sign Language recognition for social inclusion people with hearing and voiceless disabilities	No										
2	Roopa	Y		2020	Classification of persons by age and gender using image processing techniques form individual and group images	Yes										
3	Kavita	Y		2017	Design and Development of an Effective Algorithm for Brain Lesion Prediction and Diagnostic Validation on Multidimensional Datasets	Yes	Yes	Yes	Yes	Yes	Yes					

**No.of Ph.Ds/M.Sc (Engg.) awarded: 0**

**No.of Ph.Ds /M.Sc (Engg.) ongoing: 03**

**Achievement of Teachers details about Awards, book publications, special recognition etc**

1	Dr. Anita Harsoor	Research Paper Reviewer	International Conference on Artificial Intelligence and Data Science (ICAIDS 2022) Sreyas Institute of Engineering and Technology, Hyderabad, Telangana	March 11-12 2022
2	Dr. Anita Harsoor	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), NMIT, Bangalore (Springer-Nature)	July 29-30, 2016,
3	Dr. Anita Harsoor	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: 2319-1163pISSN : 2321-7308.	2015
4	Dr. Anita Harsoor	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.	2015
5	Dr. Anita Harsoor	Dimensional Analysis of Microstructure Images Acquired through Serial Sectioning of a Material	Intl' J. of Advanced Research in Computer Science and Software Engineering, Vol.5 (1),2015, pp 185-191. ISSN:2277 128X.	2015
5	Dr. Anita Harsoor	Quantitative Analysis of Digital Microstructure Images of Materials using Stereology	Int'l J. of Computer Applications, No. 4, 2014, pp 25-32. ISSN: 0975-8887.	2014
6	Dr. Anita Harsoor	Microstructure Image Analysis for Estimating Mechanical Properties of Ductile Cast Iron	Intl' J. of Computer Applications, Vol. 107, No. 17, 2014, pp. 32-39. ISSN:0975-8887.	2014
7	Dr. Anita Harsoor	Quantitative Analysis of Digital Microstructure Images of Materials using Stereology,	National Conf. on Recent Advances in Information Technology, NCRAIT, Solapur University, Solapur, pp 25-32.	Feb 15-16 2014
8	Dr. Anita Harsoor	Switching Filter for Noise Suppression in Microstructure Images of Material(SMSF),	Intl' J. of Image Processing, Vol. 7:1,2013, pp. 101-108. ISSN:1985-2304.	2013

**Details of Patent awarded/applied during period September 2015 to September 2025**

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	
1	202441039078	Published	Dr. Anita Harsoor	Design of Management Friendly Warehouse System by Leveraging Internet of Things Technology	Dr. Anita Harsoor	18/05/2024	31/05/2024		
2	202241025898	Published	Dr. Anita Harsoor	IOT Based Smart Surgery Management System for Hospitals	Dr. Anita Harsoor	05/04/2022	06/07/2022		

**Memberships in Professional Bodies**

S.No.	Name of the Professional Body
1.	Indian Society For Technical Education (ISTE) Life member

**Programs Organized**

1.	Parent meet
2.	Bluechip Association co-coordinator Conducted extra-curricular 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
6	Chairman of Board of Examination (BOE) for the year 2020-2021 of Computer Science and Engg. Dept. PDA College of Engg., Kalaburagi

**List of FDP Attended by Faculty during the academic year July 2024 to June 2025**

1	Dr. Anita Harsoor	Judge	Techno – Management - Cultural Fest – YUKTI 2025 by VTU, Kalaburagi	Swachitra	10th to 11th March 2025
2	Dr. Anita Harsoor	Reviewer	Lingraj Appa Engineering College, Bidar	International Conference on Intelligent Systems and Computational Networks (ICISCN-2025)	24th -25th January 2025
3	Dr. Anita Harsoor	FDP	AICTE Training and Learning (ATAL) Academy organized by REVA University	"Deep Dive into AI: Latest Trends using Machine Learning and Deep Learning"	13th to 18th January 2025
4	Dr. Anita Harsoor	Workshop	NPTEL, IIT Madras in association with PDACEK	In-Person NPTEL Awareness Workshop	06th January 2025

**List of FDP Attended by Faculty during the academic year July 2023 to June 2024**

1	Dr. Anita Harsoor	Reviewer	Nitte Meenakshi Institute of Technology, Bengaluru in association with IEEE Bangalore Section	IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)	09th to 10th August 2024
2	Dr. Anita Harsoor	STTP	Vidya Vihar Institute of Technology, Purnea, Bihar and RSP Science Hub, Coimbatore, Tamil Nadu	“Research Writing, Funding Proposal Development, and Patent Drafting”	08th -20th July 2024
3	Dr. Anita Harsoor	FDP	Department of Artificial Intelligence and Data Science, Department of CSE, Vishwakarma Institute of Information Technology, Pune	"Next Generation Artificial Intelligence"	11th to 16th March 2024

**List of FDP Attended by Faculty during the academic year July 2022 to June 2023**

1	Dr. Anita Harsoor	Training Program	Intellectual Property Office and MoE's Innovation Cell	National Intellectual Property Awareness Mission	05th May 2022
2	Dr. Anita Harsoor	Reviewer	Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India	International Conference on Artificial Intelligence and Data Science (ICAIDS-2022)	March 11-12, 2022.
3	Dr. Anita Harsoor	Webinar	Biyani Group of Colleges, Jaipur	“How to write a Research Grant Proposal”	26th February 2022

4	Dr. Anita Harsoor	FDP	VTU Human Resource Development Cell Center for Post Graduation studies, VIAT, Muddenahalli, Chikkaballapur	"An Overview of Teaching in Mathematics Laboratory Using Python Programming"	21st to 25th February 2022
5	Dr. Anita Harsoor	FDP	Department of Electronics and Communication Engineering in association with IETE	Machine Learning and Deep Learning for Signal and Image Analysis	03 - 07 January 2022
6	Dr. Anita Harsoor	One week Training program	AICTE-VTU joint teachers training program VTU Human Resource Development Cell Center for Post Graduation studies, VIAT, Muddenahalli, Chikkaballapur	"An Overview of Teaching in Innovation & Design Thinking"	27th -31st December 2021
7	Dr. Anita Harsoor	FDP	AICTE Training and Learning (ATAL) Academy by Siddaganga Institute of Technology	Cyber Security : Storage system architecture and File System Forensics	13th to 17th Sept 2021

1	Dr. Anita Harsoor	Teachers Training Program	AICTE-VTU Joint Teachers Training Programme organized by VTU, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur	“Fundamentals of Data Science and Analytics”	05th to 09th June 2023
2	Dr. Anita Harsoor	FDP	Department of Computer Science and Engineering and Information Technology, Vardhaman College of Engineering	“Blockchain Technology and Its Applications”	25th -29th April 2023
3	Dr. Anita Harsoor	Workshop	CoreEL Technologies	Machine Learning and IoT Applications using MATLAB	05th to 08th April 2023
4	Dr. Anita Harsoor	Workshop	Research Foundation of India and RFI-CARE	“Practical Aspects of ICT Tools and Online Teaching in Current Scenario”	14th to 20th November 2022

List of FDP Attended by Faculty during the academic year July 2021 to June 2022

1	Dr. Anita Harsoor	FDP	PDACEK	OpenStack Containers in Cloud Computing Technology	23 to 25 March 2021
2	Dr. Anita Harsoor	FDP	IIIT, Allahabad	Exemplary Practices in Teaching Learning and Evaluation of Courses	03- to 07 August 2020
3	Dr. Anita Harsoor	STTP	PDACEK	Fundamentals of Openstack and Containers in Cloud Computing Technology	23 to 25 March 2021
4	Dr. Anita Harsoor	Workshop	PDACEK	Safety and Security for Women and Girls	3/25/2021
5	Dr. Anita Harsoor	STTP	SIDDAGANGA INSTITUTE OF TECHNOLOGY. (ATAL ACADEMY)	Cyber Security (ATAL ACADEMY)	09 to 13 November 2020
6	Dr. Anita Harsoor	Teachers Training Program	Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.)	“An Overview of Teaching Techniques in Innovation & Design Thinking	27th & 31st December 2021
7	Dr. Anita Harsoor	STTP	PDACEK (ATAL ACADEMY)	Bloch Chain (ATAL ACADEMY)	02 to 06 November 2020
8	Dr. Anita Harsoor	FDP	VTU REGIONAL OFFICE, KALABURAGI	IoT Trends & Strategies with Machine Learning	30 Dec 2019 to 4 Jan 2021

Training Programmes Attended	
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
12	Biomedical Signal Processing And Analysis For Cognitive Neuroscience Study 1/1/2018 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 NPTEL-AICTE
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 IIIT, Allahabad	03- to 07 August 2020
23	Fundamentals of Openstack and Containers in Cloud Computing Technology PDACEK	23 to 25 March 2021
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. (ATAL ACADEMY)	
26	Bloch Chain (ATAL ACADEMY)	02 to 06 November 2020 PDACEK (ATAL ACADEMY)
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
14	Working as PG Co-Ordinator, Computer Science and Engg. Dept., PDACEK since from 2023 to till date
15	Chairman of Board of Examination (BOE) for the year 2024-2025 of Computer Science and Engg. Dept. PDA College of Engg., kalaburagi

