




H.K.E Society's

Poojya Doddappa Appa College of Engineering, Kalaburagi

**FACULTY PROFILE FORMAT**

Personal Details		Areas of Interest	
<b>Name: Dr Anuradha T</b>		Computer Networks, Artificial Intelligence Image Processing	
<b>Designation: Associate Professor</b>			
<b>Department: Computer Science and Engineering</b>			
<b>College Address: Aiwanshahi road PDA College of Engg Kalaburagi</b>			
<b>Contact: 9035602406</b>			
<b>E-mail id(college mail id): <a href="mailto:anuradhat@pdaengg.com">anuradhat@pdaengg.com</a></b>			

Subjects Taught	
UG	PG
Problem Solving in C Programming	Wireless Sensor Networks
Operating System, Multimedia and Virtual Reality	Mobile Application Development
Database and Management Systems	Big Data Analytics, Research Methoogy
Data Mining and Data Warehousing	Advanced DBMS
Big Data Analytics, Blockchain Technology	Advanced Operating System
Android Programming, Universal Human Values	MFCS
Computer Graphics, Software Engineering and Testing tools	Wireless Mobile Networks
FAFAL, System Software	Machine Learning

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Computer Networking	Gulbarga University Kalaburagi(GUG)	GUG Awarded in the year 2018	November 2018
PG (M.tech)	Computer Science and Engineering	P.D.A College of Engineering Kalaburagi,	Visvesvaraya Technological University, Belgaum	June 2007
UG (B.E)	Computer Science and Engineering	P.D.A College of Engineering Kalaburagi,	Visvesvaraya Technological University, Belgaum	June 2005

Work Experience							
Name of the Institution		Position		From		To	
P.D.A College of Engineering Kalaburagi,		Assistant Professor		24-08-2007		11-01-2023	
		Associate Professor		12-01-2023		Till dated	
<b>Total Experience</b>	17	<b>Teaching</b>	17	<b>Research</b>	12	<b>Administration</b>	0

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
Recent Publications (Journals)					
1.	Adaptive fuzzy inference system for detection and prevention of cooperative black hole attack in MANETs PS Hiremath, T Anuradha, P Pattan, 2016 International Conference on Information Science (ICIS), 245-251.				
2.	Adaptive Method for Detection and Prevention of Cooperative Black Hole Attack in MANETs, PS Hiremath, T Anuradha, International Journal of Electrical and Electronics and Data Communication				
3.	Performance Comparison of Cluster based and Threshold based Algorithms for Detection and Prevention of Cooperative Black Hole Attack in MANETs PS Hiremath, T Anuradha, International Journal of Advanced Networking and Applications 6 (3), 2352				
4.	Detection and Prevention of Cooperative black hole attack in a MANET PS Hiremath, T Anuradha, International Journal of Research in Computer and Communication Technology				

5.	Adaptive based Fuzzy Logic for Detection and Prevention of Blackhole Attack in MANETs", T Anuradha, International Journal 6 (6), 575-581
6.	Transmission of Secure Data Using Cryptograph Technique in MANETs Anuradha T, International Journal 5 (5), 71-83.
7.	IoT Based Low Cost System for Monitoring of Water Quality in Real Time. C Anuradha T, Bhakti, International Journal 5 (6), pp.1658-1663.
8.	Mitigation of Wormhole Attack using Exclusive Algorithms in Manets PA Patil, T Anuradha.
9.	Exclusion of Wormhole and Blackhole Attacks in Manets using Fuzzy Lamport Timestamp Algorithm, PS Hiremath, T Anuradha, P Pattan
10.	An Analysis of Detection and Prevention Methods for Wormhole Attack in MANETs
11.	Exclusion of Denial of Service Attack using Graph Theory in MANETs
12.	Mitigation of Wormhole attack using Exclusive Algorithms in MANETs
13	Exclusion of Wormhole and Blackhole Attacks in Manets using Fuzzy Lamport Timestamp Algorithm
14	The Monitoring of Water Quality in IoT Environment.
15	Android Based Student Information System
16	Secure Data Transmission from Malicious Attacks: A Review
17	Reliable Transmission of Packets using Multiple Channels
18	Artificial Vision Stick for Blinds in IoT Environment
19	Management Using Android Based on Google Map,
20	Adaptive based Fuzzy Logic for Detection and Prevention of Blackhole Attack in MANETs",
21	Smart Door Locking System using RFID Reader in IoT Environment
22	Smart Water Dispenser and Monitoring water level in IoT and Android Environment
23	Smart Lost Baggage Tracking Using Android and IoT Environment

	Transmission of Secure Data Using Cryptograph Technique in MANETs
25	IoT Based Low Cost System for Monitoring of Water Quality in Real Time.
26	Secure Routing for Manet Connected IOT Systems Using Fuzzy Inference Systems
27	A Review on Search Engine Techniques based on Machine Learning
28	Machine Learning Based Search Engine With Crawling, Indexing And Ranking
29	Enhanced Li-Fi Based for the Detection of Covid Patients
30	Human Blood Type Classification by ROI Based Pixel Segmentation and Neural Network
31	A Machine Learning Approach for Predicting Heart Disease Using Efficient Algorithm
32	Artificial Neural Networks and Gradient Boosting Classifier Based Approach for Predicting Heart Disease
31	Stock price prediction and visualization using Machine learning approach
32	Arduino Controlled Fire Detection Robot
33	Efficient user Friendly Robot for Aged and Physically Disabled People
34	Efficient Detection Of Glaucoma Using Deep Learning Approach
35	Identification of Brain Stroke Using Artificial Intelligence

<b>Memberships in Professional Bodies</b>	
<b>S.No.</b>	<b>Name of the Professional Body</b>
1.	IEI
2.	ISTE

<b>Programs Organized</b>	
1.	One week FDP Conducted as coordinator for “Machine Intelligence for Data Analysis Using Python”, 4 <sup>th</sup> to 9 <sup>th</sup> April 2018, PDACEK
2.	One Day Workshop on UI/UX Design Boat at PDACEK
3.	One day Seminar on Marcov Chain at PDACEK
4.	One day International Women’s Day Celebration conducted at college level
5.	Conducted three days student training program on Mobile App Development with Flutter and Firebase from 18 <sup>th</sup> April to 20 <sup>th</sup> April 2022
6.	Conducted three days student training program on Design thinking under ISTE student chapter from 17 <sup>th</sup> to 19 <sup>th</sup> August 2023.

<b>Awards</b>	
1.	NPTEL Online Courses Completed on
2.	Problem Solving in C Programming
3.	Internet of Things
4.	Accreditation and Outcome Based Learning
5.	Patent Published on 7 <sup>th</sup> April 2021 on “ An Environment Friendly Life Saving System in Vehicle for Public Safety”.
6.	Mentored for Internet of Things for NPTEL course
7.	Reviewer for IEEE International conference on integrated circuits and communication systems from February 24 <sup>th</sup> to 25 <sup>th</sup> 2023
8.	Session chair for International conference on Intelligent engineering approach from 12 <sup>th</sup> February 2022.
9.	First prize International Women’s Day celebration for Ramp walk event on 8 <sup>th</sup> march 2029.
10.	Session chair for 2 <sup>nd</sup> IEEE International conference on integrated circuits and communication systems from 24 <sup>th</sup> February 2024.

Sl.No.	Training Programmes Attended
1.	Exploring New Learning Opportunities in IT and Embedded Domain, 5 <sup>th</sup> and 6 <sup>th</sup> October 2012, PDACEK
2.	One day Workshop on “Pervasive Computing and Software Defined Radio”, 6 <sup>th</sup> November 2012, PDACEK
3.	Recent Advances in Communication and Signal processing, 21 <sup>st</sup> to 25 <sup>th</sup> Jan 2013
4.	Emerging trends in IT- Career TEQIP, 1 <sup>st</sup> – 3 <sup>rd</sup> March 2013, PDACEK, PDACEK

5.	Cloud Computing Technology and its applications TEQIP, 20 <sup>th</sup> to 24 <sup>th</sup> March 2013
6.	OraclePL/SQL, 3 <sup>rd</sup> to 6 <sup>th</sup> August 2013, AIET, Kalaburagi
7.	Two week FDP on “C-Programming and MATLAB Applications”, 10 <sup>th</sup> March to 21 <sup>st</sup> March, 2014,GPT
8.	Current & Future Research Trends in Wired & Wireless Networks, 6 <sup>th</sup> to 7 <sup>th</sup> Sept 2014
9.	One week FDP on “MATLAB and its Applications in Digital Image Processing and Pattern Recognzation” 13 <sup>th</sup> to 17 <sup>th</sup> October 2014, PDACEK
10.	Android Application Development , 3 <sup>rd</sup> to 4 <sup>th</sup> Dec 2014 , PDACEK
11.	Advanced Techniques for Simulation of Wireless Networks , Godutai, 13 <sup>th</sup> to 17 <sup>th</sup> Feb 2014
12.	One Day UGC sponsored National Workshop on “Recent Developments in Digital Analysis”, 30 <sup>th</sup> May 2014, Gulbarga University, Gulbarga
13.	Entrepreneurship Development, Seminar, 19 <sup>th</sup> -20 <sup>th</sup> Sept 2014
14.	Performance Analysis of Computer Network, (PACN), 22 <sup>ND</sup> TO 26 <sup>TH</sup> Sept 2014 , PDACEK
15.	Hands on Training Program on MATLAB and its Applications, 13 <sup>TH</sup> to 17 <sup>TH</sup> 2014, PDACEK
16.	Two Day Workshop on “Android Application Development”, 3 <sup>rd</sup> & 4 <sup>th</sup> Dec. 2014, PDACEK
17.	One Week FDP on “Pedagogy for Effective use of ICT in Engineering Education”, from 5 <sup>th</sup> to 31 <sup>st</sup> Jan 2015 , PDACEK
18.	One Week National Level STTP on “Tools in Teaching, Learning and Research”, 25 <sup>th</sup> to 30 <sup>th</sup> Nov, 2016, BKIT, Bhalki
19.	Big Data and Hadoop, 29 <sup>th</sup> to 4 <sup>th</sup> March 2016, PDACEK
20.	Pedagogical Skills Training for Engineering Teachers, 27 <sup>th</sup> Feb – 3 <sup>rd</sup> March 2017,PDACEK
21.	Use of E-Recourses for Teaching and Research, 19/05/2017, PDACEK
22.	IEEE Xplore and KNimbus e-Library Recourses , 11/03/2017, PDACEK
23.	Automation using Internet of Things ( IoT ), 23 <sup>rd</sup> – 28 <sup>th</sup> , Jan-2017
24.	Featuring User Interface Using Python, 24 <sup>th</sup> – 26 <sup>th</sup> March 2017
25.	Data Analytics using R – Programming, 7 <sup>th</sup> to 11 <sup>th</sup> March 2017, PDACEK
26.	Real Time Data ware Housing & Visualization : Tools and Techniques, 24 <sup>th</sup> -26 <sup>th</sup> March 2017, PDACEK
27.	Software Testing & Tools, 21 <sup>st</sup> to 23 <sup>rd</sup> March 2017, PDACEK
28.	Discrete Mathematical Structures, 27th to 31st 2018, VTU Belagavi
29.	Cyber Security, 14th-18th March 2019, PDACEK
30.	Graphical System Design in Engineering & Research Application, 9th - 13th August 2019, PDACEK
31.	Biomedical Signal Processing and Analysis for Cognitive Neuroscience Study, 1 <sup>st</sup> to 12 <sup>th</sup> January 2018, PDACEK
32.	Machine Intelligence for Data Analysis Using Python, 4 <sup>th</sup> to 9 <sup>th</sup> April 2018, PDACEK
33.	Application of IoT with Industry and Smart City Perspective, 17 <sup>th</sup> to 21 <sup>st</sup> Aug. 2019, PDACEK
34.	Recent Trends and Challenges in Computing Industries from 27 <sup>th</sup> to 31 <sup>st</sup> July 2020,cse dept, HKE’S SLN College of Engg, Raichur.

35.	One week Online short Term Training Programming on “Optimization Techniques Through Machine Learning for IOT”, from 27 <sup>th</sup> July to 1 <sup>st</sup> August, 2020, Malla Reddy Engineering College for Women
36.	Five days online FDP on “Contemporary Research Trends in Electronics and Communication and Computer Science”, from 6 <sup>th</sup> July to 10 <sup>th</sup> July 2020.
37.	3 Days Online FDP on “Python Programming Advanced Research Tools”, HKE’S SLN College of Engineering Raichur.
38.	One Week Short Term Training Program on “ Image Processing and its Applications”, Organized by Dept of CSE Poornima Institute of Engineering & Technology, Jaipur from 24 <sup>th</sup> August to 29 <sup>th</sup> 2020
39.	Five Days FDP on “ Block Chain & its Applications”, from 15 <sup>th</sup> September to 19 <sup>th</sup> 2020 at Poornima Institute of Engineering & Technology, Jaipur.
40.	AICTE Sponsored Online Short Term Training Program On “ Cyber Security & Block Chain Technologies”, from 26 <sup>th</sup> to 31 <sup>st</sup> October 2020.
41.	Two Weeks Online Training Program on “ Cyber Security and Tools”, CSE dept PDA College of Engg, Kalaburagi, ON 19 <sup>TH</sup> TO 29 <sup>TH</sup> Dec 2020
42.	ATAL Academy FDP on “ Artificial Intelligence”, from 9 <sup>th</sup> nov to 12 <sup>th</sup> 2020, at Pooja Dodappa College of Engineering Kalaburagi.
43.	AICTE Induction Refresher Program Phase-II on Data Science and Machine Learning, from 5 <sup>th</sup> March to 11 <sup>th</sup> March 2021
44.	ATAL Academy online elementary FDP on “ Cyber Security Analytics”, from 17 <sup>th</sup> to 21 <sup>st</sup> may 2021 at JNTU Aanthapur.
45.	National intellectual property Awareness Mission on December 29 <sup>th</sup> 2022
46.	National intellectual property Awareness Mission on May 5 <sup>th</sup> 2022.

### Special Lectures Presented

1.	Invited as <b>Resource Person</b> for two days workshop on “ Programming Skills in C ” 7 <sup>th</sup> and 8 <sup>th</sup> June 2019 at Department of Humanities and Science of LingarajAppa Engineering College, Bidar.
2.	Invited as <b>Resource Person</b> for five days FDP on “ Cyber Security 14 <sup>th</sup> -18 <sup>th</sup> March 2019 at Department of Computer Science and Engineering, PDA College of Engineering Kalaburagi.
3.	Conducted and acted as <b>Resource Person</b> for three days student training program on Mobile App Development with Flutter and Firebase from 18 <sup>th</sup> April to 20 <sup>th</sup> April 2022, at Department of Computer Science and Engineering, PDA College of Engineering Kalaburagi.

### Role & Responsibilities

1.	Timetable coordinator
2.	Spoc coordinator
3.	Seminar Incharge and Mini Project Coordinator

4.	NBA coordinator for 4 <sup>th</sup> and 7 <sup>th</sup> criteria
5.	Registration incharge (2011-2012, 2012-2013,2013-2014,2015-16)
6.	Blue chip coordinator
7.	Twinning activity coordinator at department level
8.	Internship coordinator
9.	Assigned as squad for the conduction of CIE internal tests held at department level.
10.	Mini Project coordinator
11.	Squad for internal test conducted
12.	Deputy Chief Superintendent
13.	NBA Program Coordinator
14.	Anti ragging committee member at college level
15.	SPOC Coordinator
16.	NAAC Coordinator at college level 7 <sup>th</sup> criteria
17.	Coordinator for celebration of International Women's day at college level
18.	Assigned as squad for the conduction of (main) SEE exams.
19.	AICTE Activity Points Score Coordinator at college level
20.	College SC/ST/OBC cell committee member
21.	Registration committee coordinator for ISTE Indian Society for Technical Education 52 <sup>nd</sup> National Annual Faculty Convention on 12 <sup>th</sup> and 13 <sup>th</sup> February 2024
22.	Committee coordinator 360 Degree feedback AICTE at college level