H.K.E Society´s
PoojyaDoddappaAppa College of Engineering, Kalaburagi

FACULTY PROFILE FORMAT

Areas of Interest	Personal Details	
Name: Dr Anuradha T	Computer Networking, Machine Learning	
Designation: Assistant Professor		
Department: Computer Science and Engineering		
College Address:Aiwan shahi road PDA College of EnggKalaburagi		
Contact: 9035602406		
E-mail id(college mail id):anuradhat@pdaengg.com		

Subjects Taught	
UG	**PG**
Problem Solving in C Programming	Wireless Sensor Networks
Operating System	Mobile Application Development
Database and Management Systems	Big Data Analytics
Data Mining and DataWarehousing	Advanced DBMS
Big Data Analytics	Advanced Operating System
Android Programming	MFCS
Computer Graphics, Software Engineering and testing tools	Wireless Mobile Networks
FAFAL, System Software	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Yearof Passing
Ph.D	Computer Networking	Gulbarga University Kalaburagi	Awarded in the year 2018	November 2018
PG (M.tech)	Computer Science & Engineering	P.D.A College of Engineering Kalaburagi,	Visvesvaraya Technological University, Belgaum	June 2007
UG (B.E)	Computer Science & 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	Till dated
Total Experience 15	**Teaching** 15	**Research** 08	**Administration** 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 …
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 Despenser and Monitoring water level in IoT and Android Environment
23	Smart Lost Baggage Tracking Using Android and IoT Environment

24	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"

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	IEI
2.	ISTE

Programs Organized	
1.	One week FDP Conducted as coordinator for "Machine Intelligence for Data Analysis Using Python", 4th to 9th 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 18th April to 20th April 2022

Awards	
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 7th April 2021 on " An Environment Friendly Life Saving System in Vehicle for Public Safety".
6.	Mentored for Internet of Things for NPTEL course

Sl.No.	Training Programmes Attended
1.	Exploring New Learning Opportunities in IT and Embedded Domain, 5th and 6th October 2012, PDACEK
2.	One day Workshop on "Pervasive Computing and Software Defined Radio", 6th November 2012, PDACEK
3.	Recent Advances in Communication and Signal processing, 21st to 25th Jan 2013
4.	Emerging trends in IT- Career TEQIP, 1st – 3rd March 2013, PDACEK, PDACEK
5.	Cloud Computing Technology and its applications TEQIP, 20th to 24th March 2013
6.	OraclePL/SQL, 3rd to 6th August 2013, AIET, Kalaburagi
7.	Two week FDP on "C-Programming and MATLAB Applications", 10th March to 21st March, 2014,GPT
8.	Current & Future Research Trends in Wired & Wireless Networks, 6th to 7th Sept 2014
9.	One week FDP on "MATLAB and its Applications in Digital Image Processing and Pattern Recognzation" 13th to 17th October 2014, PDACEK
10.	Android Application Development , 3rd to 4th Dec 2014 , PDACEK
11.	Advanced Techniques for Simulation of Wireless Networks , Godutai, 13th to 17th Feb 2014
12.	One Day UGC sponsored National Workshop on "Recent Developments in Digital Analysis", 30th May 2014, Gulbarga University, Gulbarga
13.	Entrepreneurship Development, Seminar, 19th -20th Sept 2014
14.	Performance Analysis of Computer Network, (PACN), 22ND TO 26TH Sept 2014 , PDACEK
15.	Hands on Training Program on MATLAB and its Applications, 13TH to 17TH 2014, PDACEK
16.	Two Day Workshop on "Android Application Development", 3rd& 4th Dec. 2014, PDACEK
17.	One Week FDP on "Pedagogy for Effective use of ICT in Engineering Education", from 5th to 31st Jan 2015 , PDACEK
18.	One Week National Level STTP on "Tools in Teaching, Learning and Research", 25th to 30th Nov, 2016, BKIT, Bhalki
19.	Big Data and Hadoop, 29th to 4th March 2016, PDACEK

20.	Pedagogical Skills Training for Engineering Teachers, 27th Feb – 3rd 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), 23rd – 28th , Jan-2017
24.	Featuring User Interface Using Python, 24th – 26th March 2017
25.	Data Analytics using R – Programming, 7th to 11th March 2017, PDACEK
26.	Real Time Data ware Housing & Visualization : Tools and Techniques, 24th-26th March 2017, PDACEK
27.	Software Testing & Tools, 21st to 23rd 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, 1st to 12th January 2018, PDACEK
32.	Machine Intelligence for Data Analysis Using Python, 4th to 9th April 2018, PDACEK
33.	Application of IoT with Industry and Smart City Perspective, 17th to 21st Aug. 2019, PDACEK
34.	Recent Trends and Challenges in Computing Industries from 27th to 31st 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 27th July to 1st August, 2020, Malla Reddy Engineering College for Women
36.	Five days online FDP on "Contemporary Research Trends in Electronicsand Communication and Computer Science", from 6th July to 10th 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 24th August to 29th 2020
39.	Five Days FDP on " Block Chain & its Applications", from 15th September to 19th 2020 at Poornima Institute of Engineering & Technology, Jaipur.
40.	AICTE Sponsored Online Short Term Training Program On " Cyber Security& Block Chain Technologies", from 26th to 31st October 2020.
41.	Two Weeks Online Training Program on " Cyber Security and Tools", CSE dept PDA College of Engg, Kalaburagi, ON 19TH TO 29TH Dec 2020
42.	ATAL Academy FDP on " Artificial Intelligence", from 9thnov to 12th 2020, at Pooja Dodappa College of Engineering Kalaburagi.
43.	AICTE Induction Refresher Program Phase-II on Data Science and Machine Learning, from 5th March to 11th March 2021
44.	ATAL Academy online elementary FDP on " Cyber Security Analytics", from 17th to 21st may 2021 at JNTU Aanthapur.

Special Lectures Presented	
1.	Invited as **Resource Person** for two days workshop on" Programming Skills in C " 7th and 8th June 2019 at Department of Humanities and Science of LingarajAppa Engineering College, Bidar.

2.	Invited as **Resource Person** for five days FDP on" Cyber Security 14th-18th March 2019 at Department of Computer Science and Engineering, PDA College of Engineering Kalaburagi.
3.	Conducted and acted as **Resource Person** for three days student training program on Mobile App Development with Flutter and Firebase from 18th April to 20th 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 4th and 7th 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 raggingcommitee member at college level
15.	SPOC Coordinator
16.	NAAC Coordinator at college level 7th 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 at college level
20.	College SC/ST/OBC cell committee member