



H.K.E Society's

**Poojya Doddappa Appa College of Engineering, Kalaburagi**

## **FACULTY PROFILE**

<b>Personal Details</b>
<b>Name:</b> Dr. Shailaja S
<b>Designation:</b> Associate Professor
<b>Department:</b> Computer Science and Engineering
<b>College Address:</b> P D A College of Engineering
<b>E-mail id(College mail id):</b> <a href="mailto:shailajas@pdaengg.com">shailajas@pdaengg.com</a>

<b>Areas of Interest</b>	Cryptography, Networks, Network Security, Artificial Intelligence, Machine Learning, Cyber Security
<b>Subjects Taught</b>	
<b>UG</b>	<b>PG</b>
Mathematical Foundation of Computer Science, Database Management Systems, Operating System, Computer Graphics, Computer Networks, C Programming for Problem Solving, Finite Automata and Formal Languages, System Software, Object Oriented Programming, Microprocessors and Microcontrollers, Unix System Programming, Unix Shell Programming, Data Science, Mobile, Computing/Communication, Network Management Systems, Web Application Security, Data Structures, Analysis and Design of Algorithms.	Advanced Computer Graphics

<b>Academic Background</b>				
<b>Degree</b>	<b>Specialization</b>	<b>Name of the Institute</b>	<b>University</b>	<b>Month and Year of Passing</b>
<b>Ph.D</b>	Computer Science and Engineering	VTU Belagavi	VTU Belagavi	July 2020

<b>PG M.Tech</b>	M Tech in Computer Science and Engineering	PDA College of Engineering, Kalaburagi	VTU Belagavi	June 2009
<b>UG (B.E)</b>	B.E in Computer Science and Engineering	S L N College of Engineering, Raichur	VTU Belagavi	June 2005

Work Experience							
Name of the Institution		Position		From		To	
Appa Institute of Engineering and Technology, Kalaburagi		Assistant Professor		2006		2008	
PDA College of Engineering, Kalaburagi		Assistant Professor		2008		2024	
PDA College of Engineering, Kalaburagi		Associate Professor		2024		Till Date	
<b>Total Experience</b>	18	<b>Teaching</b>	18	<b>Research</b>	6	<b>Administration</b>	

Role & Responsibilities	
1.	Program Coordinator and NBA Coordinator, Dept. of CSE
2	Member of Board of Examinations, Dept. of CSE
3	Member of Board of Studies, Dept. of CSE
4	Additional TPO Officer
5	Member of Department Advisory Board, Dept. of CSE
6	Member of PAC Committee, Dept. of CSE

Patents Published	
1.	An Environment Friendly Life Saving System in Vehicle for Public Safety
2.	Android Document sharing system using Blockchain Technology
3.	Smart village Automation with smart monitoring using IoT based System
4.	Smart Traffic Signal For Blind People Using IoT

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	14				14
Recent Publications (Journals)					
1.	A Relevant SNC Application for Data Computation using Python Programming, International Journal of Recent Technology and Engineering (IJRTE), Volume-10, pp.231-235, SSN: 2277-3878				

2.	Detection and Prevention of Fire disasters using Image Processing Techniques, International Journal of Research in Engineering and Science (IJRES)
3.	IoT Based Power Consumption, International Journal for Research in Applied Science and Engineering Technology, Volume 10, PP:547-554, Issue 9.
4.	“A Low area VLSI Implementation of Extended Tiny encryption Algorithm with Lorenz Chaotic System.” International Journal of Information and Computer Security, Inderscience Publications-Scopus Volume 14, Issue 1. pp.no:3-19
5.	“VLSI Implementation of Hybrid Cryptographic algorithm using LFSR key”, International Journal of Intelligent Engineering and Systems, Vol. 12, No. 4, pp. 10-19, 2019
6.	“VLSI Implementation of RC7 algorithm using Reversible logic gates”, International Journal of Engineering and Advanced Technology (IJEAT)’ at Volume-8 Issue-6, August 2019
7.	A Survey on Speech Recognition Email System For People with Impaired Sight, Journal of Xi'an University of Architecture and Technology, Volume-IX, pp: 126-131, ISSN: 1006-7930, 20-Nov-19
8.	Low Area FPGA Implementation of DROM-CSLA-QTL Architecture for Cryptographic Applications”, International Journal of Network Security & Its Applications (IJNSA), Vol. 10, No. 3, pp. 25-37.
9.	Secure and Efficient Access for Mobile Cloud Computing, JETIR JUNE-2019, Vol 6, Issue 6, ISSN-2349-5162.
10.	IoT Based Evidence Collection System for Vehicles Accidents, International Journal of Computer Trends and Technology (IJCTT) Vol-59, Issue 2.
11.	A Novel Technique For Secure Data Transmission Using Cryptography and Steganography, IJISRT, DOI-10.5281, Volume No 2, Issue 5, ISSN: 2456 2165.
12.	“Comparison of Blowfish and Cast-128 Algorithms Using Encryption Quality, Key Sensitivity and Correlation Coefficient Analysis”, American Journal of Engineering Research (AJER), e-ISSN: 2320-0847, p-ISSN: 2320-0936, Volume-3, Issue-7, pp-161-166..
13.	A study of various spoofing attacks and attackers in wireless networks. IOSR Journal of CSE, e-ISSN 2278-0661, Vol 16, Issue 3, version V, P61-65, www.iosrjournals.com.
14.	ANCHOR: A stable matching framework for managing cloud resources, IJARCSSE, volume-4, Issue 5, May 2014, ISSN: 2277128X, www.ijarcsse.com

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	Indian Society for Technical Education (ISTE)

Programs Organized	
1.	Three days Student Training Program on Powering Web and Mobile Applications with Node JS, 7 <sup>th</sup> - 9 <sup>th</sup> April 2025, under CSI Chapter
2.	Seminar : Awareness Program on Cyber Security, 25 <sup>th</sup> Oct 2024, CSE Dept.
3.	Seminar on Cyber Safety, 3 <sup>rd</sup> Nov 2023, CSE Dept.
4.	Seminar on LOCK YOUR DEVICE!, 22 Oct 2022, CSE Dept.
5.	Fundamentals of open stack and containers in cloud computing technology (Co-Coordinator) PDACEK, 23 to 25 march 2021

6.	Cyber security and Tools( Co-Coordinator) PDACEK 19th to 29th December 2020
7.	Cyber Security and Forensic(CSF -2K20) (Co-Coordinator) 7th - 11 Dec 2020 at PDACEK
8.	One Week Faculty Development Program-One Week FDP On Machine Intelligence for Data Analysis Using Python, 4 <sup>th</sup> To 9 <sup>th</sup> April 2018, CSE Dept., PDACEK

Training Programmes Attended				
S.No	Title of the Programme	From Date	To Date	Organized By
1.	Introduction to Machine Learning-IIT Khargpur (8 weeks)	Jul-24	Sep-24	NPTEL Course
2	NPTEL E-Awareness Workshop	25-07-2024	25-07-2024	PDACEK
3	Building Web Development Solutions with Cloud Computing	03-02-2025	07-02-2025	Edunet online
4	Gen AI & Chat GPT Application in the Industry	27-01-2025	31-01-2025	SJC Institute of Technology, Chikkaballapur, Chaitanya Bharti institute of Technology Hyd, Bharti Vidyapeeth College of Engg. Pune with EXcelR Edtech
5	National Intellectual Property Awareness Mission	21-01-2025	21-01-2025	Intellectual Property Office, India
6	Importance of artificial Intelligence in Robotics	20-01-2025	25-01-2025	Indian Institute of Information Technology Design and Manufacturing Kurnool
7	Deep Dive into AI: Latest Trends using Machine Learning and Deep Learning	13-01-2025	18-01-2025	REVA UNIVERSITY, Bengaluru
8	In-Person NPTEL Awareness Workshop	06-01-2025	06-01-2025	PDACEK
9	Inculcating Universal Human Values in Technical Education	23-12-2024	27-12-2024	AICTE, Online FDP
10	Generative AI- Democratization of AI, Responsible AI	17-02-2025	22-02-2025	Bapuji Institute of Engineering and Technology
11	Next-Gen Innovation: AI, Blockchain and AR/VR Metaverse for Digital Excellence	03-02-2025	08-02-2025	Jain Deemed to be University School of Computer Applications and IT
12	Next Generation Wireless Networks for Autonomous Intelligent Communication	26-12-2022	30-12-2022	SVCE Bengaluru
13	Mentoring Skills and Cognitive Strategies	29-03-2023	31-03-2023	ECE & Telecom. Engg. BIT, Bengaluru
14	Intellectual Property Rights and Awareness Mission	29-12-2022	29-12-2022	Intellectual Property Office, India

15	National Intellectual Property Awareness Mission	11-05-2023	11-05-2023	Intellectual Property Office, India
16	“Fundamentals of Data Science & Analytics”	05-06-2023	09-06-2023	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
17	Introduction To Cyber Security	22-05-2023	26-05-2023	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
18	Introduction to Python Programming & its Applications	19-06-2023	23-06-2023	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
19	Augmented Reality and Virtual Reality in Pioneering Application Domains	24-08-2021	28-08-2021	Nitte Meenakshi Institute of Technology, Bengaluru
20	Intellectual Property Rights and Patent Filing Procedure	12-08-2021	12-08-2021	HKE's SLNCE Raichur
21	Engineering Research in Academia: How to Address the challenges.	02-09-2021	02-09-2021	Dept. of ECE, HKE's SLNCE Raichur
22	Foundation Workshop on Data Science	09-08-2021	11-08-2021	Odin School
23	Big Data and Analytics	20-09-2021	24-09-2021	BNM Institute of Technology, Bengaluru
24	6G Wireless Communication	20-12-2021	24-12-2021	IIT, Dharwad
25	An Overview of Teaching Techniques in Innovation and Design Thinking	27-12-2021	31-12-2021	VTU-HRDC, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
26	Machine Learning with Python	05-01-2022	11-01-2022	Dept. of CSE, GNDEC Bidar
27	AI & ML Revolution	12-01-2022	18-01-2022	HKE's SLNCE Raichur
28	Intellectual Property Rights and Awareness Mission	04-03-2022	04-03-2022	Intellectual Property Office, India
29	Intellectual Property Rights and Awareness Mission	05-05-2022	05-05-2022	Intellectual Property Office MoE's Innovation Cell, India
30	Effective Engineering Teaching in Practice(4 Weeks)	Jan-22	Feb-22	NPTEL