




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

FACULTY PROFILE FORMAT

Personal Details	
Name: Dr. Shailaja	
Designation: Assistant Professor	
Department: Computer Science and Engineering	
College Address: P D A College of Engineering	
Contact: 7411571782	
E-mail id(college mail id): shailajas@pdaengg.com	

Areas of Interest	Cryptography, Networks, Network Security
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Subjects Taught	
UG	PG
Mathematical Foundation of Computer Science	Advanced Computer Graphics
Database Management Systems (theory and lab)	
Operating System(theory and lab)	
Computer Graphics(theory and lab)	
Computer Networks	
C Programming for Problem Solving(theory and lab)	
Finite Automata and Formal Languages	
System Software(theory and lab)	
Object Oriented Programming	
Microprocessor(theory and lab)	
Unix System Programming	

Unix Shell Programming(theory and lab)	
Data Science(theory and lab)	
Mobile Computing/Communication	
OOAD	
Network Management Systems	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Computer Science and Engineering	VTU Belagavi	VTU Belagavi	July 2020
PG (M.tech /M.E)	M Tech in Computer Science and Engineering	PDA College of Engineering, Kalaburagi	VTU Belagavi	June 2009
UG (B.Tech /B.E)	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		Till date	
Total Experience	15	Teaching	15	Research		Administration	

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		11			
Recent Publications (Journals)					
1.	"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				
2.	"VLSI Implementation of Hybrid Cryptographic algorithm using LFSR key", International Journal of Intelligent Engineering and Systems, Vol. 12, No. 4, pp. 10-19, 2019				

3.	“VLSI Implementation of RC7 algorithm using Reversible logic gates”, International Journal of Engineering and Advanced Technology (IJEAT)’ at Volume-8 Issue-6, August 2019
	A Survey on Speech Recognition Email System For Peaople with Impaired Sight, Journal of Xi'an University of Architecture and Technology, Volume-IX, pp: 126-131, ISSN: 1006-7930, 20-Nov-19
4.	<i>Low Area FPGA Implementation of DROM-CSLA-QTL Architecture for Cryptographic Applications</i> ”, International Journal of Network Security & Its Applications (IJNSA), Vol. 10, No. 3, pp. 25-37, 2018.
5.	Secure ad Efficient Access for Mobile Cloud Computing, JETIR JUNE-2019,Vol 6, Issue 6, ISSN-2349-5162.
6.	IoT Based Evidence Collection System for Vehicles Accidents, International Journal of Computer Trends and Technology(IJCTT) Vol-59,Issue 2,May 2018.
7.	A Novel Technique For Secure Data Transmission Using Cryptography and Steganography, IJISRT,DOI-10.5281, Volume No 2,Issue 5,May 2017,ISSN:2456 2165.
8.	“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, July 2014.
9.	A study of various spoofing attacks and attackers in wireless networks. IOSR Journal of CSE, e-ISSN 2278-0661, P-Issn 2278 8727, Vol 16, Issue 3version V, May-June 2014,P61-65, www.iosrjournals.com.
10.	ANCHOR : Astable 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
2.	
3.	
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Programs Organized

1.	Worked as Coordinator for one week Faculty Development Program-“One Week FDP On Machine Intelligence for Data Analysis Using Python”, 4 TH TO 9 TH APRIL 2018, CSE DEPT, PDACEK.”
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2.	Cyber security and Tools(Co-Coordinator) PDACEK 19th to 29th December 2020
3.	Cyber Security and forensic(CSF -2K20) (Co-Coordinator) 7th - 11 Dec 2020 at PDACEK
4.	Fundamentals of open stack and containers in cloud computing technology (Co-Coordinator) PDACEK, 23 to 25 march 2021

Training Programmes Attended

- Two day workshop on “ Data Mining with Prediction Analysis Software –Modeler 13”, organized by Dept of ISE, PDACE, Kalaburgi on 17th and 18th April-2010.
- Two days workshop on “Android: A Mobile Device Operating System”, from 18th to 19th Sept 2010, organized by Dept of CSE, PDACE, Kalaburgi.
- One day workshop on “Pervasive Computing and software defined Radio”, on 6th Nov 2012, at Dept of EEE, PDACE, Kalaburgi.
- Three day workshop on “Research Methodologies and Latex” organized by VTU e-Learning Centre, Mysore from 27th to 29th July-2013 at Ghousia College of Engineering , Ramanagara.
- One day seminar on “Contemporary Management Techniques of Industry”, on 7th Oct 2013 organized by Dept of Mechanical Engg, PDACE, Kalaburgi.
- Two days FDP on “Exploring New Learning Opportunities in IT and Embedded Domain” on 5th and 6th October 2012, organized by Industry Institute Partnership Cell (IIPC) in collaboration with Dept of ECE and CSE, PDACE, Kalaburgi.
- One week FDP on “Recent Advances in Communication and Signal Processing (RACSP-2013)” from 21st to 25th January 2013, organized by Dept of ECE, PDACE, Kalaburgi.
- Emerging trends in IT- Career TEQIP, 1st – 3rd March 2013, PDACEK.
- Two weeks FDP on “C-programming and Matlab Applications” from 10th to 21st March 2014 organized by centre for continuing technical education in Karnataka(CCTEK) in Government Polytechnic, Kalaburgi.
- One week FDP on Hands on training program on “Matlab and its Applications in Digital Image Processing and Pattern Recognition”, from 13th to 17th Oct-2014, organized by Dept of ISE, PDACE, Kalaburgi.
- Android Application Development , 3rd to 4th Dec 2014 , PDACEK.
- Advanced Techniques for Simulation of Wireless Networks , Godutai, 13th to 17th Feb 2014

- One Day UGC sponsored National Workshop on “Recent Developments in Digital Analysis”, 30th May 2014, Gulbarga University, Gulbarga
- Performance Analysis of Computer Network, (PACN), 22ND TO 26TH Sept 2014 , PDACEK.
- One Week FDP on “Pedagogy for Effective use of ICT in Engineering Education”, from 5th to 31st Jan 2015 , PDACEK.
- One week National level STTP on “Tools in Teaching, Learning and Research”, 25th - 30th Nov 2016, BKIT BALKI.
- Big Data and Hadoop, 29th Feb to 4th March 2016, PDACEK.
- Pedagogical Skills Training for Engineering Teachers, 27th Feb – 3rd March 2017, PDACEK.
- Use of E-Recourses for Teaching and Research, 19/05/2017, PDACEK.
- IEEE Xplore and KNimbus e-Library Resources , 11/03/2017, PDACEK.
- Automation using Internet of Things (IoT),Dept of CSE, PDACEK, 23rd – 28th , Jan-2017.
- Featuring User Interface Using Python, 24th – 26th March 2017, PDACEK.
- Data Analytics using R – Programming, 7th to 11th March 2017, PDACEK.
- Real Time Data ware Housing & Visualization : Tools and Techniques, 24th-26th March 2017, PDACEK.
- Software Testing & Tools, 21st to 23rd March 2017, PDACEK.
- One Week FDP On Machine Intelligence For Data Analysis Using Python, 4TH TO 9TH APRIL 2018, CSE DEPT,PDACEK.
- Biomedical Signal Processing and Analysis for Cognitive Neuroscience Study, 1st to 12th January 2018, Department of ECE,PDACEK.
- Discrete Mathematical Structures, 27-31 July 2018, VTU, Centre for PG Studies, Kalaburagi.
- Cyber Security, 14-18 March 2019, CSE, PDACEK.
- Electric Vehicle- Controls, motos, Storage and technologies, 3rd to 7th Sept 2019, Electrical Dept, PDACEK.
- One week online workshop on “Machine learning on a distributed platform” organized by IEEE Computer society, RVCE student Chapter, Dept of CSE, RVCE, Bangalore, 27th -31st July 2020.
- One week FDP on “Recent Trends and Challenges in Computing industry” Dept of CSE, SLNCE Raichur.
- One week online FDP on Exemplary Practices in Teaching- Learning and Evaluation of courses in Computer Science and Information Technology jointly organized by

	<p>VTU , CPGS, Kalaburagi and IIT Allahabad from 3rd -7th Aug 2020.</p> <ul style="list-style-type: none"> • Three Days Online FDP on “Python Programming Advancing programming Tools”, Dept of ECE , SLNCE Raichur, 6th -8th Aug 2020. • One week National level FDP on “Trends in Data Analytics”, Dept of Information Science, BMSIT&M in association with IETE and CSI, 10th -14th Aug 2020. • Internet of Things, I. T. S Engineering College, Greater Noida, 08 to 12 Feb 2021 • Machine Learning with Python, one week AICTE-ISTE Sponsored Induction/Refresher Programme, Department of Computer Science and Engineering, GNDEC Bidar, 05-01-2022 to 11-01-2022 • AI & ML Revolution, one week AICTE-ISTE Sponsored Orientation/ Refresher Program, SLN College of Engineering Raichur. 12 to 18 Jan. 2022
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Role & Responsibilities	
1.	Working as Department TEQIP- Coordinator.
2	Member of Board of Examinations.
3	Department Co-ordinator of ERP
4	Member of PAC Committee
5	Criterion -2 Co-ordinator.
6	Worked as Check-point coordinator for Code Hackthon 2019-20
7	Worked as Coordinator for one week Faculty Development Program-“One Week FDP On Machine Intelligence for Data Analysis Using Python”, 4 TH TO 9 TH APRIL 2018, CSE DEPT, PDACEK.”
8	Worked as Seminar Coordinator for the academic year 2018-19.
9	Worked as Student database incharge.
10	Worked as Blue Chip Association Coordinator for academic year 2013-2014, as coordinator

	of NIRVANA-college fest for academic year 2013-2014.
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