



H.K.E Society's

## Poojya Doddappa Appa College of Engineering, Kalaburagi

### FACULTY PROFILE

Personal Details				
Name: Dr. Sayyada Fahmeeda Sultana				
Designation: Associate Professor				
Department: Computer Science and Engineering				
College Address: Aiwan E Shahi Road, Kalaburagi				
E-mail id(college mail id): sayyadafahmeeda@pdaengg.com				
Areas of Interest		Image Processing, Cloud Computing, Artificial Intelligence & Machine Learning, Multimedia Secuirty		
Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Multimedia Security	VTU Regional Research Center, Belgavi	Visvesvaraya Technologica l University	January , 2020
PG (M.tech /M.E)	Computer Science and Engineering	KBN College of Engineering	Visvesvaraya Technologica l University	March, 2008
UG (B.Tech /B.E)	Computer Science and Engineering	KBN College of Engineering	Visvesvaraya Technologica l University	February , 2006
Subjects Taught				
UG			PG	
Operating Systems, Microprocessor, Analog and Digital Electronics, Data Structures, Analysis and Design of Algorithms, Multimedia and Virtual Reality, Big Data Analysis, Machine Learning, Database Management Systems, Finite Automata and Formal Languages, Data Communication			Big Data Analytics, Mathematical Foundation of Computer Networks	
Work Experience				
Name of the Institution	Position		From	To
KBN College of Engineering	Lecturer		August 2008	October 2011

PDA College of Engineering		Assistant Professor		13 <sup>th</sup> October 2011	30 <sup>th</sup> April 2024
PDA College of Engineering		Associate Professor		1 <sup>st</sup> May 2024	Till Date
<b>Total Experience</b>	16	<b>Teaching</b>	16	<b>Research</b>	5

Role & Responsibilities	
1.	Program and NBA Coordinator of CSE Department
2.	IPR Coordinator of PDA College of Engineering
3.	CSE Department Board of Study Member
4.	CSE Department Board of Examination Member

#### Innovative Teaching Learning Practices

Sl. No.	Innovative Teaching Learning	Academic Year	Subject	ICT Tool Used	Links
1	Project Based Learning	2024-25	Data Structures	Padlet	<a href="#">DS</a>
2	Case Study and Poster Presentation	2024-25	Microprocessors and Microcontrollers	Google Classroom	<a href="#">MP</a>
3	Project Based Learning	2023-24	Analog and Digital Electronics	Google Drive, Google Classroom	<a href="#">ADE</a>
4	Activity Based Learning	2023-24	Analysis and Design of Algorithms	Google Drive	<a href="#">ADA</a>
5	Case Based Learning	2021-22	Multimedia and Virtual Reality	Flipgrid	<a href="#">MVR.docx</a>

#### E- Modules Developed

Subject	E-Module	Link	Evaluation
Microprocessors	Video Lectures	<a href="#">Youtube Channel Link</a>	<a href="#">Evaluation Link</a>
C Programming	Video Lectures	<a href="#">C Programming</a>	

#### Appreciations Received

Sl.No.	Appreciation on	Awarded By	Year of Award
1	Mentoring Student Project in Summer Research Training Program	CSIR	2020
2	Top Performing Mentor	NPTEL	2019
3	NPTEL Star	NPTEL	2024

#### Research Publications

Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	17	0	2	0	19

#### Resent Publications

1	Video encryption algorithm and key management using perfect shuffle International Journal of Engineering Research and Applications 7 (2), 1-5
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2	Audio Data Security and Feature Extraction over Cloud International Journal of Computer Applications 168 (10), 33-37
3	Voice Based Gender Recognition Using Deep Learning International Journal of Innovative Research in Engineering 3 (3), 653-654
4	Privacy preserving LBP based feature extraction on encrypted images 2017 International Conference on Computer Communication and Informatics ...
5	Survey on energy efficient protocols and challenges in IOT International Journal of Advanced Research in Computer and Communication ...
6	Privacy Preserved Image Recognition on MSB Encrypted Images International Journal of Advanced Research in Computer and Communication ...
7	AUTHENTICATION, TAMPER LOCALIZATION AND RECTIFICATION ALGORITHM WITH PRIVACY PRESERVATION OF IMAGE FOR THE CLOUD USING HMAC. ICTACT Journal on Image & Video Processing 8 (2)
8	PRIVACY PRESERVATION OF SCALABLE DATA ON CLOUD USING MAPREDUCE BASED ANONYMIZATION AND BILINGUAL SUBSTITUTION CIPHER International Journal of Engineering Applied Sciences and Technology 3 (7 ...
9	Privacy preservation of videos using neutrosophic logic based selective encryption ICTACT J. Image Video Process. 9 (3), 1960-1965
10	Audio/Video Transcriber Using NMT in Different Languages International Scientific Journal of Engineering and Management (ISJEM) 3 (7 ...
11	Augmented Reality in Education Ijrasnet Journal For Research in Applied Science and Engineering Technology ...
12	Decision Based Image Encryption Algorithm INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY 10 (1), 5
13	Multimedia Information Privacy Preservation with fusion of MapReduce, Fuzzy K-Means Clustering and Security for Cloud Storage IJCAT - International Journal of Computing and Technology 6 (4), 21-26
14	Privacy Preservation of Video using Sample Image and SVM Classification on Video frames Journal of Emerging Technologies and Innovative Research 6 (3), 226-231
15	Color Image Privacy Preservation using RGB Pixel Numerical Value Shuffling for Cloud Storage ijrece 7 (1), 385-390
16	Safety Device Based on IOT Technologies for Children JETIR 5 (5), 413-419
17	AUTHENTICATION, TAMPER LOCALIZATION AND RECTIFICATION ALGORITHM WITH PRIVACY PRESERVATION OF IMAGE FOR THE CLOUD USING HMAC. ICTACT Journal on Image & Video Processing 8 (2)
18	Survey on Energy Efficient Protocols and Challenges in IO International Journal of Advanced Research in Computer and Communication ...

Memberships in Professional Bodies	
S. No.	Name of the Professional Body
1.	The Institution of Engineers

2.	Indian Society for Technical Education
3.	International Association of Engineers

Programs Organized	
1.	Student Training Program on “Digital Image Processing for Emerging Applications” 12 to 14 February 2025, Under ISTE Student Chapter [ <a href="#">Details</a> ]
2.	One Day Workshop on “Introduction of IP in Academics” 16-12-2023 , under KSCST [ <a href="#">Details</a> ]
3.	Inter college “Chandrayaan Mahotsav”, 4 <sup>th</sup> to 6 <sup>th</sup> September 2023 [ <a href="#">Details</a> ]
4.	Workshop on “Recent Trends in Research and Innovation for Forefront Technologies” 4 <sup>th</sup> to 8 <sup>th</sup> January 2023, Under ISTE [ <a href="#">Details</a> ]
5.	Workshop on Applications of IoT Technology with Industry and Smart City Perspective, 17 <sup>th</sup> to 21 <sup>st</sup> August 2019, ISTE, IETE
6.	IP Awareness Program under NIPAM 2.0, 11 <sup>th</sup> May 2023 [ <a href="#">Details</a> ]

#### NPTEL Course Complete

Sr. No.	Courses Details
1	Social Networks
2	Introduction to C Programming
3	Accreditation and Outcome based Learning
4	Effective Engineering Teaching Practice
5	Programming, Data Structures And Algorithms Using Python
6	Reinforcement Learning
7	Computer Vision
8	Introduction to Machine Learning (IITKGP)
9	Artificial Intelligence Search Methods For Problem Solving
Special Lectures Presented	
1.	Resource Person in Student Training Program on “ Digital Image Processing for Emerging Applications” Feb. 2025
2.	Resource Person in workshop on “Research Writing” April 2022

Training Programmes Attended			
Sl. No	Title	Date	Organized By
1.	FDP on Full Stack Java, SkillDzire, Swayam Plus, AICTE	17-Mar-2025 To 31-Mar-2025	SkillDzire, Swayam Plus
2.	FDP Artificial Intelligence: Search Methods for Problem Solving (12 Weeks)	Jul- Oct. 2024	NPTEL Course
3.	ATAL-FDP on QuantumVerse: Advancing Knowledge in Quantum Computing, XR, and the Metaverse	16/12/2024 to 21/12/2024	A P S COLLEGE OF ENGINEERING
4.	FDP on Building Advance Data Analytics Applications with Cloud, ATAL AICTE, Skill India	18/12/2023 22/12/2023.	Under Next Gen Employability Program
5	ATAL- FDP on Deep Dive into AI: Latest Trends using Machine Learning and Deep Learning	13/01/2025 to 18/01/2025.	REVA UNIVERSITY
6	FDP “Innovative Teaching Strategies with AI and Digital Tools ”	29th November, 2024	Department of Research & Publications, A2Z Edu-Learning Hub
7	FDP Computer Vision (12 Weeks)	Jul-Oct. 2024	NPTEL Course
8	FDP on Intelligent Computing Techniques and its Engineering Applications	6 to 10 January 2025	College of Engineering and Management Kolaghat, West Bengal
9	FDP on Applications of AI in Electronics System Design	02/12/2024 to 06/12/2024	Information Management and Emerging Engineering Department, NITTTR, Chandigarh
10	FDP Introduction to Machine Learning (8 Weeks)	Jul-Oct. 2024	NPTEL Course
11	FDP Reinforcement Learning (12 weeks)	Jul-Oct. 2024	NPTEL Course
12	IP Awareness/Training program under NIPAM	January 21, 2025	Intellectual Property Office, India
13	FDP on Data Science using Python	25/11/2024 to 29/11/2024	Computer Science and Engineering Department , NITTTR, Chandigarh
14	FDP on Building Web Development Solutions with Cloud Computing	03-02-2025 to 07-02-2025	Next Gen Employability Program
15	In-Person NPTEL Awareness Workshop	January 06, 2025	NPTEL, IIT Madras
16	FDP on “Inculcating Universal Human Values in Technical Education”	20th January to 24th January 2025	All India Council for Technical Education (AICTE)
17	FDP on Open Source Technologies	24/04/2023 to 28/04/2023	Computer Science and Engineering Department , NITTTR, Chandigarh

18	FDP on “Next Generation Wireless Networks for Autonomous Intelligent Communications”	26-12-2022 to 30-12-2022.	Department of Electronics & Communication Engineering in association with IQAC and IIC, Sri Venkateshwara College of Engineering, Bengaluru and technically sponsored by The Institution of Electronics & Telecommunication Engineers (IETE), Bengaluru
19	FDP Programming, Data Structures and Algorithms using Python (8 Weeks)	Jan- Mar 2023	NPTEL Course
20	FDP on Mentoring Skills and Cognitive Strategies	29 to 31 March 2023	Skill Development Center BIT
21	Workshop on Cloud Architecture – Design Patterns & PC on Cloud	17 Dec. 2022	NPTEL+Workshop
22	FDP Effective Engineering Teaching Practice (4 Weeks)	Jan Feb. 2022	NPTEL Course
23	AICTE sponsored QIP Short Term Course On “Augmented Reality and Virtual Reality Applications”	06/12/2021 to 11/12/2021	Information Management and Emerging Engineering Department, NITTTR Chandigarh
24	ATAL Online Elementary FDP on "An insight to Biomedical Instrumentation, Biomedical Signal and Image Processing with hands on experience and LabVIEW Programming"	2021-8-2 to 2021-8-6	AICTE Training and Learning (ATAL) Academy
25	ATAL Online Elementary FDP on "Robotics and Artificial Intelligence"	13/12/2021 to 17/12/2021	AICTE Training and Learning (ATAL) Academy
26	FDP on Advances in Natural Language Processing Using AI	14 to 18 March 2022	Computer Society of India
27	Teachers Training Program on Introduction to Cyber Security	22 to 26 May 2023	AICTE-VTU
28	IP Awareness/Training program under NIPAM	29 Dec 2022	NIPAM
29	Teachers Training Program on “Introduction to Python Programming & its Applications”	19th to 23rd June 2023	AICTE-VTU
30	FDP on “Simplifying IPR and Patent Filing”	1 July, 2023	BVICAM, New Delhi. AICTE, IEEE, CSI, ISTE

