Poojya Doddappa Appa College of Engineering, Kalaburagi

FACULTY PROFILE FORMAT

Personal Details	
Name: Dr. Jayashree Agarkhed	
Designation: Director Faculty Skill Development Center & Professor	
Department: Computer Science and Engineering	
College Address:AiwanEShahiRoad,Kalaburagi	
Contact: 9880704448	
E-mailid(college mailid): jayashreeptl@pdaengg.com	Photo(3.5cmx4.5cm):

Areas of Interest	Multimedia Sensor Network, Cloud Computing, and Artificial Intelligence/Machine Learning

Subjects Taught	
UG	**PG**
Artificial Intelligence	Advanced database Management System
Artificial Intelligence & Machine Learning	Advanced Data Structures and Algorithms
Data Communication	
Introduction to C programming	
Principles of Programming Using C	

Academic Background				
Degree	**Specialization**	**Name of the Institute**	**University**	**Monthand Yearof Passing**
PhD.	Faculty of Electrical and Ectronics Enginneering	PDA College of Engineering Kalaburagi	Visvesvaraya Technological University Belagavi	2013
M.Tech	Computer Science and Engineering	PDA College of Engineering Kalaburagi	Visvesvaraya Technological University Belagavi	2003
B.E	Electronics & Instrumentation	PDA College of Engineering Kalaburagi	Gulbarga University Gulbarga	1999

WorkExperience				
NameoftheInstitution	**Position**	**From**	**To**	
PDA College of Engineering Kalaburagi	Professor	1-3-2017	Till Date	
PDA College of Engineering Kalaburagi	Director Faculty Skill Development center	19-07-2024	Till Date	
PDA College of Engineering Kalaburagi	HOD, Dept. of Computer Science& Engg.	07-02-2024	18-07-2024	
PDA College of Engineering Kalaburagi	Associate Professor	1-9-2016	28-2 2017	
PDA College of Engineering Kalaburagi	Assistant Professor	1-7-2006	31-8 2016	
Appa Institute of Engineering and Technology, Kalaburagi	Senior Grade Lecturer	1-9-2005	9 -7-2006	
APPA Institute of Engineering and Technology (AIET), Kalaburagi	Lecturer	31-7-2002	31-8-2005	
Total Experience	23	**Teaching**	24	**Research**	17	**Administration**	10

ResearchPublications					
TotalNumber ofPublications **200**	**International Journal**	**National Journal**	**International Conference**	**National Conference**	**Total**
	104		97	1	201
Recent Publications (Journals)					

1.	Aruna Bagodi, **Jayashree Agarkhed**, "Deep learning based enhanced image captioning and audio description with hybrid model", 4th Indian International Conference on Industrial Engineering and Operations Management Hyderabad, Telangana, India, November 07-09, 2024 Publisher: IEOM Society International, USA Published: November 07, 2024 DOI: 10.46254/IN04.20240139.
2.	Pochal, B.S. , **Agarkhed. J**, Patil, S.R. "Cross-layer multipath routing approach and link quality indicator for QoS provisioning in mobile WMSN", Indonesian Journal of Electrical Engineering and Computer Science , 34(2), pp. 1288–1294 , 2024,
3.	Jayashree Agarkhed, VeerannaGatate, "Enhancing Intrusion Detection in Wireless Sensor Networks through Deep Hybrid Network Empowered by SC-Attention Mechanism", Iran Journal of Computer Science, Pages 1-12, Publisher Springer International Publishing, March 2024, DOI:10.1007/s42044-024-00171-2
4.	Jayashree Agarkhed, VeerannaGatate, "Enhancing Intrusion Detection in Wireless Sensor Networks through Deep Hybrid Network Empowered by SC-Attention Mechanism", Sep 2023;https://doi.org/10.21203/rs.3.rs-3343455/v1.
5.	**Jayashree Agarkhed** , Geetha Pawar, "Deep Seated Neural Network Learner Model for Trust Recommendation",International Journal of Intelligent Systems and Applications in Engineering, July 2023; ISSN:2147-6799, Volume 11, Issue 3, Pages 539-552.
6.	**Jayashree Agarkhed** , Geetha Pawar, Efficient Trust Inference Model for Pervasive Computing Based on HybridDeep Learning" , International Journal of Intelligent Systems and Applications in Engineering, Feb 2023; ISSN:2147-67992, Volume 11, Issue 2, Pages 170-179.
7.	
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Memberships in Professional Bodies	
S.No.	**Name of the Professional Body**
1.	**Executive Council Member**-Institution of Electronics & Telecommunication Engineers (IETE), sub-center, Kalaburagi, Karnataka 2016-18.
2.	Fellow member- Institution of Engineers, India **(IEI)**, Fellow member **IETE** and **Senior** member, Institution of Electronics & Electrical Engineering **(IEEE).**
3.	Member of, Association for Computing Machinery- women **(ACM-W),** Computer Society of India **(CSI)**, Indian Society for Technical Education **(ISTE),** International Association of Engineers **(IAENG),** Hong Kong, **Kannada Saahitya Parishad** and **Karnataka Vignyan Parishad,** Bangaluru.
4.	**External Domain Expert** for 'Expert Visit Committee' at Sharanbasva University.
5.	Local Inquiry Committee (LIC) visit member, Visvesvaraya Technological University (VTU), Belagavi, Karnataka for Granting continuation / Extension of affiliation /recognition of research centre for the academic year 2020-2021.
6.	**External referee** for the Ph.D thesis, Shivaji University, Maharashtra.
7.	**External observer** for the conduct of supplementary Examination Nov 2021, Sharanbasava University, Kalaburagi (SUK)
8.	Member, **Women Empowerment Cell** of Sharana Basava University kalaburagi (SUK). From 2020.

9.	Member, Board of Studies (BOS), UG in Artificial Intelligence and Machine Learning, Sharanbasava University, Kalaburagi (SUK)
10	Member, Board of Studies (BOS), PG in Artificial Intelligence and Machine Learning", Sharanbasava University, Kalaburagi (SUK)
11.	Member, **Board of Studies** (BOS), "PG Diploma in Data science for logistics", Sharanbasava University, Kalaburagi**(SUK)**
12.	Member, Board of Studies (BOS), UG in Computer Science & Design, Sharanbasava University, Kalaburagi (SUK)
13.	Member, Board of Studies (BOS), Computer Science & Engineering (UG), Khaja Bandenawaz (KBN) University, Kalburagi
14.	Member, Board of Studies (BOS), Computer Science & Engineering (PG), Khaja Bandenawaz (KBN) University, Kalburagi
15.	Member, Board of Studies (BOS), Computer Science & Engineering (PhD), Khaja Bandenawaz (KBN) University, Kalburagi.
16.	Member, External Doctoral Research Committee, Appa Institute of Engg. &Technology Kalaburagi.
17.	Member, External Doctoral Research Committee, KBN Engg. College, Kalaburagi
18.	Member, **External Doctoral Research Committee** Sharanabasava University kalaburagi SUK.
19.	Member, External Doctoral Research Committee, Guru Nanakdev (GND) Engineering College, Bidar.

Programs Organized	
1.	One Day Workshop on "AIML for Advancing the Skill And Breaking Barriers for Innovation & Entrepreneurship" 29th March 2025 PDACEK.
2.	On Occasion of National Start up Week - उद्यमोत्सव January 2025 on day online workshop on "Intellectual Property Rights(IPR) & Patent and Design Filing" in association with Rajiv Gandhi Institute of Intellectual Property Management(RGNIIPM) Govt. of India, Nagpur, on 21st Jan 2025. Resource Person-Dr. Bharat N Suryawanshi Assistant. Controller of Patents & Designs, RGNIIPM Nagpur.
3.	Conducted In-person NPTEL awareness Program 6th Jan 2025 in collaboration with IITM (IIT Madras) SWAYAM NPTEL, **MHRD, Govt. of India. resource person Sri Shib Shankar Das Senior Manager, NPTEL IIT Madras, Chennai.**
4.	Conducted "NPTEL awareness E-Workshop" 25 July 2024 in collaboration with SWAYAM NPTEL, MHRD, govt. of India.(Resource person-Ms. Bharathi Head of Operations at NPTEL).
5.	ISTE Sponsored One Day workshop on Skill Development program, - resume writing dept. of CSE , PDACEK on 13th May 2024.
6.	IEI Sponsored One Day Quality Enrichment & Training Webinar Program On "Industry Readiness With Holistic Skill Development -A Path To Success For Employability" In Association with The Institution of Engineers (India) [IEI] on 27th June 2024.
7.	IETE Sponsored One Day Quality Enrichment & Training Program On "Introduction to Speech Processing & Project Avenue", on 11th May 2024.
8.	One day webinar on Intellectual property Rights Awareness program in association with **National Intellectual Property Awareness Mission (AICTE-NIPAM), Govt. of India** in view of IP Literacy week celebration, on 5th May 2022.
9.	3 days workshop on "Venture with Intellectual Property Rights", in collaboration with cell for IPR promotion and management **Cell for IPR Promotion & Management (CIPAM) Govt. of India**, New Delhi. From 18th -20th April 2022.

	Training Programmes Attended		
Sr.No	**Title**	**Date**	**Place**
1.	Introduction to Internet of Things	2024	NPTEL_AICTE (Online)
2.	Cloud Computing	2024	NPTEL_AICTE (Online)
3.	Introduction to Industry 4.0 and Industrial Internet of Things	2024	NPTEL_AICTE(Online)
4.	NPTEL E-Awareness Program	25-07-2024	Online
5.	IP Awareness/Training program under National Intellectual Property Awareness Mission	21-01-2025	Online
6.	One Week AICTE–VTU Joint Teachers Training Programme on "Fundamentals of Data Science & Analytics"	05th – 09th June 2023	Online
7.	One Week AICTE–VTU Joint Teachers Training Programme on "Introduction to Python Programming & its Applications"	19th – 23rd June 2023	Online
8.	One week FDP on "Exemplary Practices in Teaching-Learning and Educational of Courses in Computer Science & Information Technology jointly organized by VTU	3-7-2020	Online

	Special Lectures Presented
1.	One day workshop on "SWAYAM NPTEL Awreness workshop for faculty and Post Graduate Students" 27th Jan 2025, H. K. E. Society'sDr. Maalakaraddy Homoeopathic Medical College & Hospital Kalaburagi.
2.	One day workshop on "Research Paper & Fund Proposal Writing", 28th December 2024, Dept. of E&CE PDACEK.
3.	Two day's workshop on "Research Methodology (RM)", 19th September 2024, (SUK), Kalaburagi.
4.	One day workshop on "Awareness Program-Transformation towards Outcome Based Education and NBA", KCT engineering College kalaburagi 14th March 2023.
5.	TEQIP Sponsored One Week STTP on "Machine Intelligence and data analytics", 4th to 11th April 2017 at PDACEK: Topic: Fuzzy c means clustering.
6.	One day workshop on "Use of E-resources for teaching and research" on 19th May 2017 , at PDACEK jointly organized by VTU Belagavi and PDACEK.
7.	TEQIP Sponsored One day workshop on "IEEE Xplore and Knimbus E-Library resources" on 11th March 2017 ,PDACEK, in collaboration with IEEE and GIST.

8.	TEQIP Sponsored One Week STTP on "Automation Using internet of things (IOT)" , 23rd to 28th Jan. 2017 at PDACEK	
9.	One day workshop on "Moving towards an outcome based education (OBE) Transformation at P.D.A.C.E.K" March 2015, at P.D.A College of Engineering, Kalaburagi.	
10.	One day workshop for "C programming for Beginners" April 2007, at N.V polytechnic college Kalaburagi.	

Role & Responsibilities		
1.	Director FSDCA	Responsible for organizing training programs, workshops, and seminars to enhance faculty teaching, research, and professional skills. They focus on continuous faculty development, promote academic excellence, and align initiatives with institutional goals and emerging trends.
2.	HOD, Dept. of Computer Science& Engg.	Departmental Responsibilities
3.	IPR coordinator	Formation of IPR cell, creating awareness on intellectual property rights, encouraging for Patent filing
4.	Member, PDA Innovation, Startup policy Cell (ISP)	ISP policy documentation and implementation
5.	Member, Cyber Security Cell	Bringing Awareness of importance about cyber security and training
6.	Academic Council Member	Academic activities (Curriculum framing)
7.	PG Coordinator	Academic and Administration
8.	Industry Advisory Board coordinator	Interaction with the industry experts , MoU with industries
9.	IT-BT coordinator	Innovative Ideas Project Proposals, New Age Incubation Network (NAIN) scheme sponsored by KBITS,Govt. of Karnataka
10	Academic Audit committee member and NBA Audit committee member	Auditing the academic activities and NBA related activities
11.	NBA Mentor	Guiding in Preparation of NBA SAR and its implementation
12.	NBA Coordinator	Preparation of NBA SAR and its implementation
13.	NBA Criterion Coordinator	Preparation of NBA SAR and its implementation.
14.	Member, Board of Studies (BOS)	Curriculum framing and review
15.	Member, Board of Examiners (BOE)	Maintenance of Question paperas per the set standard
16.	Chairmen, Board of Examiners (BOE)	Examination related matters such as Valuators, Examiners in order to give results in time.
17.	Local Inquiry Committee(LIC) visit member	Granting continuation / Extension of affiliation /recognition of research centre for the academic year 2020-2021

18.	External Doctoral committee Member	Continuous evaluation and Suggestions towards Research Progress