



Dr. Jayashree Agarkhed, Professor & HOD, Computer Science & Engineering (CSE) Dept., PDA college of Engineering, Kalaburagi has received the Bachelor of Engineering in 1999 from the Gulbarga University, Karnataka, India, Master of technology in Computer Science & Engineering in 2003 and awarded with Ph. D in 2013 from VTU, Belagavi, Karnataka, India. Her main research area includes Wireless Sensor Network, Cloud Computing, and Artificial Intelligence with 23 years of teaching experience including research.

❖ **Awards/ Honours / Recognition/ Distinction:**

- Two process patents **granted, The Patent Office, Government of India.**
    - Working of a secured multi talent framework in cloud computing systems in health care management systems.
    - A system to monitor Pigeon-Pea Agriculture Along with Helicoverpa Armigera Pest Control Using.
  - **Four** design patents are **granted with registration and** 10 process/product patents published and waiting for FER Results.
  - **ISTE National Award- 2020**, “Shayesta Akhtar Memorial National Award for Best Women Engineering College Teacher” in recognition of her outstanding contribution to the academic community and the students, ISTE, New Delhi
  - **ISTE National Award-2019**, “Rajarambapu Patil National award for Promising Engineering Teacher for creative work done in Technical Education”, ISTE, New Delhi.
  - **Award for Research Publication (ARP)**, (under the chairmanship of **Bharat Ratna Prof. CNR Rao**, honorary president JNCASR) , Vision Group of Science and Technology, Department of IT, BT and S&T, Government of Karnataka, 2018-19 with a cash award of **0.25 lacs rupees.**
  - **IEEE Best Paper Award**’, received for the **paper** entitled “QoS-based Intrusion Detection for Sink hole attack in Wireless Sensor Network”, IEEE ICCPCT 2016, Kumarcoil, Chennai, India **Under her guidance.**
  - **“Best Research Paper presentation Award”**, received for the paper entitled “Collaborative recommendation security model for ubiquitous environment using hybrid deep neural network technique”, International conference in advances in Sciences, Engineering and Technology (ICASET-2021), 29<sup>th</sup> -30<sup>th</sup> Dec 2021.
  - **“Best Research Paper Award”**, received for the paper entitled “Multi level, Multi constraint Trust management optimization techniques for intrusion detection in wireless sensor networks using data mining”, International conference in advances in Sciences, Engineering and Technology(ICASET-2021), 29<sup>th</sup> -30<sup>th</sup> Dec 2021
  - **Received international recognition with elevation to Senior** Member of “Institution of Electronics and Electrical Engineering (**IEEE**)” with a plaque and 25\$ voucher, Member No: 92675883 in July 2020 and given recognition to PDACEK at **International** Level.
  - **Under her PhD supervision, 5 research scholars awarded with PhD (3 are awarded in 2020-21 and 2 are awarded in 2022-23) one research scholar waiting for final viva and one is at the verge of thesis submission from CSE Dept. PDACEK, VTU Belagavi.**
  - She has **Authored Two** ‘Reference books’ on C- Programming from the international publisher and instrumental in various Laboratory manuals.
- ❖ She served as **Session Chair and Reviewer** for the various **National and International conferences including** prestigious **IEEE, Springer** International Conferences.

- ❖ She served as **Reviewer** for Refereed **Journals** including **IEEE Access, IEEE Transaction** on Industrial Informatics, **IET software, IET Electronic letters**, and articles of reputed publishers like **Elsevier, IGI Global, Wiley, De Gruyter, Taylor & Francis** etc.
- Around **200** articles presented / published in (SCI/ SCOPUS / WEB OF SCIENCE / UGC) :

| Digital database indexing   | Total Citations / h-index/ i-10 index                                  |
|---|--|
| Elsevier's SCOPUS   | 95 documents with h-index of 10, with 372 citations                    |
| Web of Science  | 41 publications, h-index 4, citations 58 from the past three years.    |
| IEEE Explore  | 53 publications, Citations 150   |
| SPRINGER Link   | 27 publications with 19 Book chapters and 8 Journal articles           |
| Google scholar  | 182 publications with h-index 15, i10 index 31 with 713 citations      |
| Research Gate   | 196 research items, RG score: <b>315.2</b> , 569 citations, h-index-12 |
| Apart from the above mentioned articles other articles are presented / published in Elsevier Conference, ACM Conference, other national / international conferences and UGC listed / Other referred journals. |  |

- ❖ **Mentor for technical competitions**
  - **CSI International APP Project Competition, Computer Society of India**
    - **2<sup>nd</sup> prize with 25k cash prize** in 12<sup>th</sup> **CSI International APP Project Competition**, B.E. Project proposal 2022-23, “Secure Digital identity using NFTs”.
    - **Finalists in 11<sup>th</sup> CSI In APP Project Competition**, B.E. Project proposal 2021-22, “Video based multi factor authentication system for access control in financial sector”.
    - “Object Detection with voice feedback” **Finalists** at the **2<sup>nd</sup> round of 10<sup>th</sup> CSI-In App International student project Awards 2021**.
    - **KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY Indian Institute of Science campus, Bengaluru (KSCST)**
      - **Finalists A grant of 6000 Rs** sponsorship for the proposal on B.E. Project proposal 2021-22 “Cloud assisted multistage classifier based disease prediction model using machine learning technique-Remote healthcare system”, 49<sup>th</sup> series of student project programme (**SPP**): 2021-2022 **KSCST**
      - **A grant of Rs 4000** sponsorship for the proposal on B.E. Project proposal 2021-22 “Secure Digital identity using NFTs”, 49<sup>th</sup> series of student project programme (**SPP**): 2022-2023 **KSCST, Bangalore**
      - **A grant of 5000 Rs** sponsorship for the proposal on B.E. Project proposal 2021-22 “Video based multi factor authentication system for access control in financial sector”, 49<sup>th</sup> series of student project programme (**SPP**): 2021-2022 **KSCST**.
      - Mentor, “Smart Gloves for military communication”, **5<sup>th</sup> National Level IEEE Project Competition** (Virtual) Organized by **IEEE Student Branch, GSSSIETW, Mysuru** on 26<sup>th</sup> June 2021 (Saturday), in association with **IEEE Bangalore** section and **IEEE Mysore** Subsection.
      - **A grant of 4000 Rs** sponsorship for the proposal on B.E. Project proposal 2015-16 Freindbook: A semantic –based Friend recommendation system for social networks”, **KSCST**.
      - UG students published around 20 papers published in **IEEE , Springer and other international conferences**.
      - Encouraged students to participate in **Smart India Hackathon, AICTE, New Delhi 2017**.
- ❖ She served at various capacities as part of various **Professional bodies /Societies**.

- She served the professional society as **Executive Council Member**, Institution of Electronics & Telecommunication Engineers (IETE), sub-center, Kalaburagi, Karnataka 2016-18.
  - She is Fellow member, Institution of Engineers, India (**IEI**), Fellow member **IETE** and **Senior** member, Institution of Electronics & Electrical Engineering (**IEEE**),
  - She is the 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.
- ❖ She served at various other **Universities / Colleges as External** with various capacities such as
- **She served as** 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.
  - She served as **External referee** for the Ph.D thesis, Shivaji University, Maharashtra.
  - She served as **External observer** for the conduct of supplementary Examination Nov 2021, Sharanbasava University, Kalaburagi (SUK)
  - Member, **Board of Studies (BOS)**, UG in Artificial Intelligence and Machine Learning, Sharanbasava University, Kalaburagi (SUK)
  - Member, **Board of Studies (BOS)**, PG in Artificial Intelligence and Machine Learning”, Sharanbasava University, Kalaburagi (SUK)
  - Member, **Board of Studies (BOS)**, “PG Diploma in Data science for logistics”, Sharanbasava University, Kalaburagi(SUK)
  - Member, Women Empowerment Cell of Sharana Basava University kalaburagi (SUK).
  - Member, **Board of Studies (BOS)**, UG in Computer Science & Design, Sharanbasava University, Kalaburagi (SUK)
  - Member, **Board of Studies (BOS)**, Computer Science & Engineering (UG), Khaja Bandenawaz (KBN) University, Kalburagi
  - Member, **Board of Studies (BOS)**, Computer Science & Engineering (PG), Khaja Bandenawaz (KBN) University, Kalburagi
  - Member, **Board of Studies (BOS)**, Computer Science & Engineering (PhD), Khaja Bandenawaz (KBN) University, Kalburagi.
  - Member, **External Doctoral Research Committee**, Appa Institute of Engg. &Technology Kalaburagi,
  - Member, **External Doctoral Research Committee**, KBN Engg. College, Kalaburagi
  - Member, **External Doctoral Research Committee** Sharanabasava University kalaburagi SUK.
  - Member, **External Doctoral Research Committee**, Guru Nanakdev (GND) Engineering College, Bidar.
  - invited Guest lecturer at VTU PG center, kalaburagi, 2012-2015
  - **Resource person for the various National level / State level technical events.**
  - **She served as ‘Judge / Jury Member** for various technical events at various colleges.
- ❖ Other than these she has served at various capacities at PDACEK, **few of which are listed.**
- **Head**, Intellectual Property Rights Cell (**IPR**), 2019-22.
  - Member, PDA Innovation Startup Policy (**ISP**) cell, 2019-2022
  - Advisory Member, PDA ISP cell , 2022-23

- Member, Cyber Security Cell, PDACEK, 2019-23
  - **Academic Council Member**, 2019-22.
  - **PG coordinator**, “Computer Networking Engineering”, 2014-16.
  - **Industry Advisory Board** coordinator, CSE, 2018-20.
  - **Member, IT-BT Cell**, Innovative Ideas Project Proposals, New Age Incubation Network (NAIN) scheme sponsored by KBITS, Govt. of Karnataka (2016-2022)
  - **NBA** coordinator 2017-18, CSE
  - **NBA Mentor**, ISE and E&I, 2017- 19 and **NBA** Audit committee member.
  - **Academic Audit** committee member.
  - Coordinator -**Good Governance -TEQIP** 2014-15
  - Coordinator- **IT (Smart Campus)** 2012-13.
  - **Chairmen**, Board of Examiners (**BOE**), CSE, 2019-20 (One sem).
  - Member, **Board of Studies (BOS)** and Member, **Board of Examiners (BOE)**, CSE Dept., PDACEK since 2010.
  - **Internal and External Doctoral Research Committee**, PDACEK
- ❖ Along with the above listed she has also played an important role such as Co-coordinator, International / National level / State level - Faculty Development / Training program / Project Exhibition
- Conducted **Workshops and Webinar** programme in collaboration with experts and Govt organizations on **Intellectual Property Rights(IPR)**
    - 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 18<sup>th</sup> -20<sup>th</sup> April 2022.
    - 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 5<sup>th</sup> May 2022.
  - Conducted competitive technical events by giving a platform to exhibit talent for budding programmers such as Code **Hackathon** and **Project exhibitions**
    - **Coordinator**, TEQIP III sponsored **A International Level Online Code Hackathon - PDAAntiCovid19, 27<sup>th</sup> -28<sup>th</sup>** April 2020, P.D.A college of Engineering, Kalaburagi. In pandemic situation to fight against Corona virus students encouraged to bring engineering solutions to serve the society.
    - **Coordinator**, TEQIP III sponsored **A National Level Code Hackathon - SMART TANTROTA - 2K19, 13<sup>th</sup> -14<sup>th</sup>** September 2019, P.D.A college of Engineering, Kalaburagi.
    - **Coordinator, 29<sup>th</sup> series: 2005-2006, State level Seminar cum Exhibition of Students project Programme**, Karnataka State Council for Science &Technology (KSCST), **Govt. of Karnataka, 29<sup>th</sup> -30<sup>th</sup>** September 2006, P.D.A college of Engineering, Kalaburagi.
  - Conducted **student training programme** in collaboration with reputed industry and experts in order to expose to the cutting edge technology to meet dynamic requirements and cope with industry demands

- Coordinator, **TEQIP-III sponsored National Level** One week Student training program on “Cyber Security & Forensics”, 7<sup>th</sup> -11<sup>th</sup> December 2020, Cyber Security Cell, PDACEK
- Coordinator, **TEQIP III sponsored One week National level** faculty development program on “ Block chain Technology & its Applications”, 22<sup>nd</sup> -27 th March 2021, CSE Dept., PDACEK
- Coordinator, TEQIP II sponsored One week Faculty development program on “Performance analysis and computer networks”, 22<sup>nd</sup> to 26<sup>th</sup> September 2014 PDACEK.
- Coordinator, **TEQIP II sponsored Faculty development program in association with Asperia Edu Corp Pvt. Ltd., Bangalore**, on “Emerging trends in IT career-“Holistic Picture of IT career life cycle” from 1<sup>st</sup> -3<sup>rd</sup> March 2013.