

Faculty Profile Format

1. Basic Information

- **Name:** Dr. Asharani Patil
- **Designation:** Associate Professor
- **Department:** Electronics & Communication Engg.,
- **Email:** asharanispatil@gmail.com

2. Academic Qualifications

- **Ph.D. :** Visvesvaraya Technological University, Belgaum 2021
- **Postgraduate (PG) M.Tech / M.E.:** M.Tech - Communication Systems, PDA College of Engineering, Kalaburagi, Visvesvaraya Technological University, Belgaum 2011
- **Undergraduate (UG) – B.Tech / B.E.:** Electronics & Communication Engg., PDA College of Engineering, Kalaburagi, Visvesvaraya Technological University, Belgaum 2009

3. Work Experience

- **Total Academic Experience:** 14.2 Years
- **Industry Experience:** --

4. Research Interests

- Digital Communication and Detection
- Optical Communication and Networking
- IoT and Its Applications
- 4G & 5G Mobile Communication Systems.

5. Publications, Patents & Research Contributions

- **Citation Metrics:**
 - h-index: 02
 - i10-index: --
 - Total Citations: 08
- **Papers Published:**
 - **Conference Publications:**
 - National: 02
 - International : 13
 - **Journal Publications:**
 - Scopus/Web of Science Indexed: 10

- UGC Care Listed : 04
- Other: 02
- **Books/Book Chapters Published:**02
- **Patents (if any):**03
 - "A Nanotechnology Based System for Boosting the Fertility IONT", October 2021.
 - 5G Based Wireless Sensor Network Device For Environment Monitoring, 2024.
 - Machine Learning Based Anomaly Detection In Electronic Communication Networks, 2024.
- **Grants Received:***(Total Amount: [Currency and Amount])*
 - [Project Title], [Funding Agency], [Amount], [Duration]
- **Ph.D. Guidance:**
 - Ongoing: --
 - Completed: --

6. Teaching & Courses (*Mention subjects taught*)

- Basic Electronics Engineering
- Network Analysis
- Signals & Systems
- Control Systems
- Analog & Digital Communication
- Electro Magnetic Field Theory
- Information Theory & Coding
- Optical & Communication Networks
- Advanced Digital Signal Processing
- LTE 4G-Broadband Communication
- Probability & Random Process
- Wireless Communication
- Antenna Theory and Design

7. Awards & Recognitions (*If applicable*)

- **02 Best Research Paper**
 - i. Research Paper : International Conference – Springer
 - ii. Research Paper : International Symposium - IITKM – Kerala
- **Women Excellence Award 2023** – awarded by Sharnbasva University on the Women's Achievements in the field of Engineering & Technology Impact on the eve of International Women's Day
- **Best Teacher Award 2024 – Kalika Sneha Award 2024**, Sujay Educational and Welfare Society Kalaburagi, Kandra Educational Society, October 2024.
- **IEEE Award 2024 - Best Outstanding IEEE WIE Professional Award 2024**, IEEE Bangalore

Section.

8. Professional Memberships & Collaborations (*If applicable*)

- **Member:**IEEE, IEEE WIE, IETE,
- **Collaborator:**--

9. Additional Information (*If applicable – Links to profiles, IDs, etc.*)

- **Google Scholar:**<https://scholar.google.co.in/citations?user=kajoFf0AAAAJ&hl=en>
- **ORCID ID:**0000-0002-6498-0031
- **ResearchGate:**https://www.researchgate.net/profile/Asharani-Patil?ev=hdr_xprf
- **LinkedIn:**<https://www.linkedin.com/in/asharani-patil-28a2a3287/>