Faculty Profile Format

1. Basic Information

- **Name:** Mrs. Laxmi Patil

- **Designation:** Assistant Professor

- **Department:** Electronics and Communication Engineering

- **Email:** laxmi.patil@sharnbasvauniversity.edu.in

2. Academic Qualifications

- **Ph.D. (if applicable): Pursuing**

- **Postgraduate (PG) : M.Tech : [**JNTU, 2014]

- **Undergraduate (UG) : B.E :** [VTU, 2011]

3. Work Experience

- **Total Academic Experience:** 10 Years 6 Months

- **Industry Experience:** Nil

4. Research Interests

- Image Processing

- VLSI System Design

- Robotics

5. Publications, Patents & Research Contributions

- **Citation Metrics:**

  1. h-index: [Number]

  2. i10-index: [Number]

  3. Total Citations: [Number]

- **Papers Published:**

  1. **Conference Publications:**

     - National: Nil

     - International: Nil

  2. **Journal Publications:**

     - Scopus/Web of Science Indexed: 01

     - UGC Care Listed: Nil

     - Other: 01

- **Books/Book Chapters Published:** Nil

- **Patents (if any):** 02

o [Machine learning based recognition of patients behavior using hand to mouth gestures to assess their physical & emotional states in possible prediction AI-datasets], [Status (File)], [2022]

o [Progressive Braille Learning Kit with Interface], [Status (Granted)], [2024]

- **Grants Received:***(Total Amount: [Currency and Amount])*

    o [Design and Simulation of 5G Multiband Antenna with Phase Shift operation], [KSCST], [7000], [6 Months]

    o [Progressive Braille learning Kit with Interface], [KSCST], [5000], [6 Months]

    o [Expression based emotion detection in speech using Python], [KSCST], [5000], [6 Months]

    o [Dry hand washing machine using fog disinfection], [KSCST], [5500], [6 Months]

    o [Heating and cooling suit for military people and location tracking], [KSCST], [4500], [6 Months]

- **Ph.D. Guidance:**

    1. Ongoing: [0]

    2. Completed: [0]

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

o Logic Design
o Control System
o Microcontrollers
o Satellite Communication
o Professional Ethics
o Robotics
o Wireless Communication & LTE 4G Broadband
o Basic Electronics
o Management & Entrepreneurship Development
o VLSI Circuits
o HDL
o Information Theory & Coding
o Operational Research
o Wireless Mobile Networks

7. Awards & Recognitions *(If applicable)*

- **[Best Project of the Year], [KSCST], [2022]**

- **[Recognition/Grant], [Awarding Institution], [Year]**

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

- **Member:** [IEEE, ISTE and IAENG]

- **Collaborator:** [Research Institute/Industry Name]

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

- **Google Scholar:** [https://scholar.google.com/citations?user=qFcpYMkAAAAJ&hl=en]

- **ORCID ID:** [0009-0008-0182-5684]

- **Research Gate:** [URL]

- **LinkedIn:** [https://www.linkedin.com/in/laxmi-nijanand-055b67311/]