

Faculty Profile Format

1. Basic Information

- **Name:** Dr. Basanti G
- **Designation:** Professor
- **Department:** Electronics and Communication Engineering
- **Email:** basantighanti@gmail.com

2. Academic Qualifications

- **Ph.D. (if applicable):** VTU, 2020
- **Postgraduate (PG) – M.Tech / M.E.:** VTU, 2008
- **Undergraduate (UG) – B.Tech / B.E.:** VTU, 2003

3. Work Experience

- **Total Academic Experience:** 20 years
- **Industry Experience:** Nil

4. Research Interests

- Wireless Communication
- Signal Processing

5. Publications, Patents & Research Contributions

- **Citation Metrics:**
 - h-index: 3
 - i10-index: 0
 - Total Citations: 3
- **Papers Published:**
 - **Conference Publications:**
 - National: 2
 - International: 5
 - **Journal Publications:**
 - Scopus/Web of Science Indexed: 2
 - UGC Care Listed: [Number]
 - Other: 5
- **Books/Book Chapters Published:** 01
- **Patents (if any):** 02

- Ai And Machine Learning Mathematical Model Based Early Detection Of Neuro Functional Disorders Like Autism, Alzheimer, Tumors Using Strong Deep Learning Algorithms - Ann/Cnn Among Children: 12/01/2024, No: 202341086079,2023
- **Grants Received: Nil**
- **Ph.D. Guidance:**
 - Ongoing: 0
 - Completed: 0

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

Under Graduate :

1. Signals and Systems
2. Digital Signal and Processing
3. Digital Communication
4. Digital Image Processing
5. Electromagnetic Waves and Antennas
6. Network Analysis
7. Information theory and Coding

Post Graduate:

1. Advanced Digital Communication.
2. Advanced Computer Networks
3. Cloud Computing
4. Statistical Signal Processing
5. Wireless & Mobile Networks
6. Optical Communication and Networks

7. Awards & Recognitions (*If applicable*)

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

- **Member:** IETE, AMIE,IEEE
- **Collaborator:** NIL

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

- **Google Scholar:**<https://scholar.google.com/citations?user=069NhooAAAAJ&hl=en>
- **ORCID ID:** 0009-0009-6284-3127
- **ResearchGate:** NIL
- **LinkedIn:** NIL