

# Faculty Profile Format

## 1. Basic Information

- **Name:** Dr. Jyoti Neginal
- **Designation:** Associate Professor
- **Department:** Computer Science Engineering
- **Email:** jyoti.c.neginal@gmail.com

## 2. Academic Qualifications

- **Ph.D. (if applicable):**- VTU, Belagavi, 2024
- **Postgraduate (PG) – M.Tech :** VTU, Belagavi, 2013
- **Undergraduate (UG) – B.E :** VTU, Belagavi, 2006

## 3. Work Experience

- **Total Academic Experience:** 12 Years
- **Industry Experience:** NA

## 4. Research Interests

- Image Processing
- Artificial Intelligence
- Machine learning

## 5. Publications, Patents & Research Contributions

### 1. Citation Metrics:

- h-index: 1
- i10-index:0
- Total Citations: 3

### 2. Papers Published:

- **Conference Publications:**

1. National: 0
2. International: 01

1.“An adaptive stenographic technique, ascertaining upper bounds of embedding”, Second International Conference on Smart Systems and Inventive Technology (ICSSIT 2019) DVD Part Number: CFP19P17-DVD; ISBN: 978-1-7281-2118-5, 2/19/\$31.00 ©2019 IEEE.

<https://doi.org/10.1109/icssit46314.2019.8987969>

○ **Journal Publications:**

1. Scopus/Web of Science Indexed: 03

1. "Colour image steganography through channel transformation approach", IAES International Journal of Artificial Intelligence (IJ-AI) Vol. 12, No. 3, September 2023, pp. 1062~1069 ISSN: 2252-8938, DOI: <http://doi.org/10.11591/ijai.v12.i3.pp1062-1069>
2. "Colour Image Steganography Based On Channel Transformation Approach To Enhance Visual Quality", Advanced Engineering Science, ISSN: 2096-3246 Volume 54, Issue 02, December, 2022 DOI: <https://advancedengineeringscience.com/article/639.html>
3. "Adaptive Steganography technique using DIDC Model", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020.

DOI:<https://www.ijitee.org/wp-content/uploads/papers/v9i8/H6138069820.pdf>

2. UGC Care Listed: 05

1. "Intrusion Detection System Using Machine Learning", GIS SCIENCE JOURNAL, ISSN NO : 1869-9391, VOLUME 11, ISSUE 8, 2024. DOI:20.18001.GSJ.2024.V11I8.24.41185719
2. "Detecting human stress using machine learning algorithms based on sleeping patterns", Journal of Systems Engineering and Electronics (ISSN NO: 1671-1793) Volume 34,ISSUE 8 2024.
3. "Offline Recognition of Handwritten Mathematical Expressions Using CNN and Exception", Foundry Journal,ISSN:1001-4977, Volume 26, Issue 9,September 2023.
4. "An Intelligent Based System For Voice To Text Conversion And Summarization Using Machine Learning", Journal for Basic Sciences,Volume 23,Issue 8, 2023, ISSN: 1006-8341. DOI:10.37896/JBSV23.8/2493
5. "Covid-19 future forecasting using supervised machine learning ",Science, Technology and Development, ISSN : 0950-0707, Volume XI Issue VIII AUGUST 2022. <https://ijsrem.com/download/covid-19-future-forecasting-using-supervised-machine-learning/>

3. Other: 08

1. "Automating the Process from E-Commerce to M-Commerce", International Research Journal of Engineering and Technology (IRJET),e-ISSN: 2395-0056, Volume: 06 Issue: 08 | Aug 2019.

<https://www.irjet.net/archives/V6/i8/IRJET-V6I8194.pdf>

2. "Energy Efficient Link-Delay Aware Routing Wireless Sensor Networks", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume8, Issue6, ISSN: 2278-1323, June2019.

[https://www.academia.edu/42907396/Energy\\_Efficient\\_Link\\_Delay\\_Aware\\_Routing\\_in\\_Wireless\\_Sensor\\_Networks](https://www.academia.edu/42907396/Energy_Efficient_Link_Delay_Aware_Routing_in_Wireless_Sensor_Networks)

3. "A Fuzzy Logic Based Techniques for content based image Retrieval and Digital Data Transmission", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Volume 4, Issue 9, September 2017.

<https://ijercse.com/viewabstract.php?id=11044&volume=Volume4&issue=Issue9>

4. "Multiple Perceptions for Indian Road Sign Recognition and Classification", IJRST –International Journal for Innovative Research in Science & Technology| Volume 3 | Issue 01 | June 2016. ISSN (online): 2349-6010.

5. "A Transport Vehicular System Co-Ordinated with Movement Framework –VANET", IJRST – International Journal for Innovative Research in Science & Technology| Volume 3 | Issue 01 | June 2016.

6. "A Robust Face Annotation Method by Mining Facial Images", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 5, May 2015.

7. "A New Secure Image Transmission Technique via Secret-Fragment-Visible Mosaic Image", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 5, May 2015.

8. "Network Coding based Privacy Preservation Technique for Multi-Hop Wireless Networks", ISSN: 2278 – 1323 International Journal of Advanced Research in Computer Engineering & Technology Volume 1, Issue 4, and June 2012.

1. **Books/Book Chapters Published: 01**

Book Chapter: Recent Advance in Computer Science,2022

2. **Patents (if any): 03**

1. Title of the invention : A Reversible Data Embedding Approach for Secure Data Transmission with Minimized Distortions. Application No.202341019329 A,INDIA, Date of filing of Application :21/03/2023,Publication Date : 31/03/2023.

2. Title of the invention : A Robust Approach for Content Based Image Retrieval Using Efficient Feature Extraction and Classification Approach, Application No.202341019444 INDIA, Date of filing of Application :21/03/2023 ,Publication Date : 31/03/2023.

3. Title of the invention : Packet Loss and Error Recovery Optimization for Scalable Video Coding Approach to Provide QOS Support for Mobile Adhoc Network, Application No.202341019477 A,INDIA Date of filing of Application :21/03/2023 Publication Date : 31/03/2023.

3. **Grants Received: 00**

4. **Ph.D. Guidance: 00**

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

- Python Programming
- Programming for Problem Solving
- Operating System
- Java Programming

- Machine Learning
- Artificial Intelligence
- Discrete mathematical structures
- Deep Learning
- Internet of things
- Data Structures with C

**7. Awards & Recognitions *(If applicable)***

- Certified in NPTEL/SWAYAM courses

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

- **Member:** IETE(LM), ISTE(LM), IAENG
- **Collaborator:** NA

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

- **Google Scholar:**  
<https://scholar.google.com/citations?user=l8fXLo8AAAAJ&hl=en&authuser=1>