

## Faculty Profile Format

### 1. Basic Information

- **Name:** Dr. Manikamma Malipatil
- **Designation:** Professor
- **Department:** Computer Science Engineering
- **Email:** manika.malipatil@gmail.com

### 2. Academic Qualifications

- **Ph.D. (if applicable):-** VTU, Belagavi, 2022
- **Postgraduate (PG) – M.Tech :** PDACE,Kalaburgi 2012
- **Undergraduate (UG) – B.E :** PDACE,Kalaburgi, 2010

### 3. Work Experience

- **Total Academic Experience: 12**
- **Industry Experience: Nil**

### 4. Research Interests

- Artificial Intelligence
- Network Security
- Machine Learning

### 5. Publications, Patents & Research Contributions

#### 1. Citation Metrics:

- h-index: 2
- i10-index: -
- Total Citations:07

#### 2. Papers Published:

- **Conference Publications:**

1. National: Nil
2. International: 02

1. Asst.Prof. Manikamma Malipatil , Dr.Shubhangi D C , Presented and Published the paper titled “An Efficient 3D Water Marking Algorithm for 3D Mesh Models ”, Fourth International conference on I-SMAC(IoT in Social,Mobile,Analytics and Cloud)(I\_SMAC) in IEEE, pages 380-384,7th to 9th October 2020. <https://ieeexplore.ieee.org/document/9243381>. DOI: [10.1109/I-SMAC49090.2020.9243381](https://doi.org/10.1109/I-SMAC49090.2020.9243381)

2. Asst.Prof. Manikamma Malipatil , Dr.Shubhangi D C , Presented and Published the paper titled, “ A Secure 3D Watermarking Technique for Encrypted 3D Mesh Model Based on Error Detection and Prediction”, 9<sup>th</sup> International Conference on ICIECE August 13-14 ,2021, Springer.

○ **Journal Publications:**

1. Scopus/Web of Science Indexed: 04

- Assoc.Prof. Manikamma Malipatil ,Dr.Shubhangi D C, Published the paper titled “High Secure Encryption and Masking Technique for 3D Point Cloud Models”, Published in Computer Integrated Manufacturing Systems (CIMS) Vol.30 August 2024, pp. 26-39,ISSN 1006-5911 DOI: 10.24297/j.cims.2024.8.2 :  
<https://cims-journal.org/index.php/CN/article/view/323/268>
- Dr.Manikamma Malipatil , Associate.Professor , Published the paper titled, " Offline Recognition of Handwritten Mathematical Expressions Using CNN and Xception “Foundry Journal Vol. 26, Issue. 9, September 2023, pp. 18-26 ISSN: 1001-4977 Scopus indexed journal. <https://foundryjournal.net/wp-content/uploads/2023/09/3.fj23c207re.pdf>.
- Asst.Prof. Manikamma Malipatil , Dr.Shubhangi D C , Published the paper titled, "An Efficient Data Masking Method for Encrypted 3D Mesh Model“ Indonesian Journal of Electrical Engineering and Computer Science (IJECS) Vol. 24, No. 2, November 2021, pp. 957-964 ISSN: 2502-4752, DOI: [10.11591/ijeecs.v24.i2.pp957-964](https://ijeecs.iaescore.com/index.php/IJECS).<https://ijeecs.iaescore.com/index.php/IJECS>.  
<https://ijeecs.iaescore.com/index.php/IJECS/article/view/22030>
- Asst.Prof. Manikamma Malipatil ,Dr.Shubhangi D C, Published the paper titled, “A Novel Watermarking Techniques For 3d Mesh Objects”, Published in the Journal of Harbin Institute of Technology VOL.53 No,12(2021), ISSN: 0367-6234 Page No.: 214-236,  
<https://journalofharbininstituteoftechnology.org/abstract-784.php>

2. UGC Care Listed: 04

- Dr.Manikamma Malipatil , Associate.Professor , Published the paper titled, " 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.  
<https://jseepublisher.com/wp-content/uploads/8-JSEE2555.pdf>
- Dr.Manikamma Malipatil , Associate.Professor , Published the paper titled, " Intrusion Detection System Using Machine Learning “GIS SCIENCE JOURNAL” ISSN NO : 1869-9391 VOLUME 11, ISSUE 8, 2024 PAGE NO: 401-407.  
<https://drive.google.com/file/d/1kjN1QgP5JYgomShuNc3n4j2458efUoVn/view>
- Dr.Manikamma Malipatil , Asst.Prof , Published the paper titled, " An Intelligent Based System For Voice To Text Conversion And Summarization Using Machine Learning “Journal For Basic Sciences Vol. 23, Issue. 8, September 2023, pp. 272-278 ISSN: 1006-8341.  
<https://drive.google.com/file/d/1E2J1MrIE9do2z0XWQDX-l8me6AhKhvnk/view>

- Asst.Prof. Manikamma Malipatil ,Dr.Shubhangi D C, Published the paper titled ,“Robust Encryption and Masking Technique for 3D Mesh Models “, MuktaShabd Journal Volume X, Issue VI, 2021 ISSN NO : 2347-3150 Page No :241-249 [DOI:10.0014.MSJ.2021.V10I9.0086781.111425](https://doi.org/10.0014.MSJ.2021.V10I9.0086781.111425) UGC Group-II approved journal. <https://app.box.com/s/q0gi5a9iwwxe6r90zk0x7qphkw377lpj>

### 3. Other: 05

- Asst.Prof. Manikamma Malipatil , Published the paper titled,“Automatic System Packet Generation & Testing of the Network Communication Lines in Network Data Transmission”IJSRD - International Journal for Scientific Research & Development| Vol. 5, Issue 05, 2017 | ISSN (online): 2321-0613. <https://www.ijssrd.com/articles/IJSRDV5I51391.pdf>
- Asst.Prof. Manikamma Malipatil, Published the paper titled,“Synthetic or Reconstructed Biometric Sample Detection for Real-Time Systems:Application to Face Recognition”, International Journal of Advanced Research in Computer Engineering &Technology (IJARCET) Volume 4, Issue 5, May 2015.
- Asst.Prof. Manikamma Malipatil , Published the paper titled,“Securing Privacy of User’s Data on Cloud Using Back Propagation Neural Networks ”, The International Journal Of Engineering And Science (IJES) || Volume || 4 || Issue || 5 || Pages || PP.92-98|| 2015 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805.
- Asst.Prof. Manikamma Malipatil , Published the paper titled,“Intelligent Division for Change Detection in Multi-Spectral Remote Sensing Images ”, The International Journal Of Advanced Research in Computer Engineering & Technology(IJARCET) || Volume || 4 || Issue || 5 || Pages || PP.1891-1896|| 2015 || ISSN: 2278 – 1323.
- Manikamma Malipatil ,Dr.Shubhangi D C, Published the paper titled “Authentication Watermarking for Transmission of Hidden Data using Biometrics Technique ”, International Journal of Emerging Technology and Advanced Engineering Website: [www.ijetae.com](http://www.ijetae.com) (ISSN 2250-2459, Volume 2, Issue 5, May 2012).

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

Book Chapter Publication on “Inner Air Quality Sensing and Prediction Analysis for Covid-19 Perspective Based On IOT” for the book titled "Recent Advances in Computer Science ", in “National Research Conference on Engineering, Business Management Science, Humanities & Social Sciences-2022” (NRCEBSHS-2022) – ISBN:978-93-94570-65-8,KRIPA DRISHTI PUBLICATIONS.**Patents (if any): 01**

### Patent :03

- A Novel Watermarking Techniques For 3d Mesh Objects ": <http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021102762&resultsPerPage>
- Encryption Technique For 3d Point Cloud Models With Mapping

<https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

- A Novel Watermarking Techniques For 3d Mesh Objects  
<https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

2. **Grants Received: 01**

Patent : A Novel Watermarking Techniques For 3d Mesh Objects

**Ph.D. Guidance: 03**

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

- Analysis and design of algorithm
- Operating System
- Programming for problem solving
- Embedded Computing system
- Computer networks
- Discrete mathematical structures
- AI&ML
- Java Programming
- C++
- Python Programming

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

- Received **Research Excellence Award 2023** from InSc Institute of Scholars for the research work, Published the paper titled, "An Efficient Data Masking Method for Encrypted 3D Mesh Model" in the Indonesian Journal of Electrical Engineering and Computer Science (IJECS) Vol. 24, No. 2, November 2021, pp. 957-964 ISSN: 2502-4752.
- Recognized as **Professional Member** of InSc International Publishers in recognition of Professional Standing.
- Recognized as a **Reviewer** of InSc International Publishing Platforms and also for technical Events under the stream: Computer Science & Information Technology: Computer Science & Information Technology.
- Obtained online certification from NPTEL for the course Programming in Java (12 Week Course) in Jan-April 2022.

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

- **Member:** IETE(LM), IEEE, ISTE(LM)
- **Collaborator:** Nil

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

- **Google Scholar:** [https://scholar.google.com/citations?user=ow\\_2yUsAAAAJ&hl=en](https://scholar.google.com/citations?user=ow_2yUsAAAAJ&hl=en)
- **ORCID ID:** 0000-0002-2653-0961