


Faculty Profile

Name	: Dr. Anitha Raghavendra	
Designation	: Professor of Practice	
Department	: Computer Science and Engineering	
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About me:

I am Dr. Anitha Raghavendra working as a Professor of Practice in the Department of Computer Science and Engineering at The National Institute of Engineering, Mysuru. I received my Ph.D. in Electronics from University of Mysore in 2021. My research interests include Machine Learning, Deep learning, Computer vision and training generative AI models with a focus quality evaluation of Agricultural products and predictive models in medical domain.

I have published several research papers in reputed Scopus and Web of Science indexed journals and conferences. I am actively involved in teaching AI related courses and mentoring student research projects.

Qualification:

- **Ph.D.** (Electronics), University of Mysore – 2021
- **M.Tech** (Digital Communication and Networking), VTU – 2004
- **B.E.** (Electronics), VTU – 2002

Courses Taught:

- Artificial Intelligence
- Computer Vision
- Machine Learning
- Python Programming
- Basic Electronics
- Digital Communication
- Analog Communication
- Basic Electricals

Publications (Scopus/WoS Indexed):

Journal Publications

1. **Anitha Raghavendra**, D.S. Guru and Mahesh K Rao, "HIERARCHICAL APPROACH FOR RIPENESS GRADING OF MANGOES", Artificial Intelligence in Agriculture-**Science Direct (Elsevier), Publication**.Volume-4, 243-252, October-2020
2. **Anitha Raghavendra**, D.S. Guru and Mahesh K Rao, "MANGO INTERNAL DEFECT DETECTION BASED ON OPTIMAL WAVELENGTH SELECTION METHOD USING NIR SPECTROSCOPY", Artificial Intelligence in Agriculture- **Science Direct (Elsevier) Publication**. Volume 5, Pages 43-51, January-2021.
3. **Anitha Raghavendra**, D.S. Guru and Mahesh K Rao, "AN AUTOMATIC PREDICTIVE MODEL FOR SORTING OF ARTIFICIALLY AND NATURALLY RIPENED MANGOES", **Springer- Book Series. AISC Proc. of FICTA-2020 (Evolution in Computational Intelligence)**.
4. **Anitha Raghavendra**, D. S. Guru, Mahesh K. Rao , "POST-HARVEST HANDLING OF MANGOES: AN INTEGRATED SOLUTION USING MACHINE LEARNING APPROACH", Communications in Computer and Information Science Computer Vision and Image Processing, 2022, p. 243-253. **Springer International Publishing**
5. . **Anitha Raghavendra**, Mahesh K Rao, "A COMPUTER VISION BASED SYSTEM FOR CLASSIFICATION OF CHEMICALLY AND NATURALLY RIPENED MANGOES" **IJEAT**, Volume-10, Issue-1, October 2020.
6. **Anitha Raghavendra**, D.S. Guru and Mahesh K Rao, "AUTOMATIC SORTING OF MANGOES USING RESNET50 DEEP NEURAL NETWORK AND LEARNING THROUGH SVM". **IJCTE**.
7. **Anitha Raghavendra**, Mahesh K Rao, "AN IMAGE SEGMENTATION COMPARISON APPROACH FOR EXTRACTING MANGO REGION FROM AN IMAGE", **IJSER**, Volume-11, Issue-8, August-2020.
8. **Anitha Raghavendra**, Mahesh Rao, "A SURVEY ON INTERNAL DEFECT DETECTION IN FRUITS BY NON-INTRUSIVE METHODS" **IJLTET**, , ISSN: 2278-621X, Volume-6, Issue 3, January-2016.
9. Moureen Ahmed, **Anitha Raghavendra**, Mahesh K Rao, "AN IMAGE SEGMENTATION COMPARISON APPROACH FOR LESION DETECTION AND AREA CALCULATION IN MANGOES", International Research Journal of Engineering and Technology (**IRJET**) Volume 2
10. R Sumithra, DS Guru, VN Manjunath Aradhya, **Anitha Raghavendra**, "TRANSFER LEARNING FOR CHILDREN FACE RECOGNITION ACCURACY" COMPUTATIONAL VISION AND BIO-INSPIRED COMPUTING: **ICCVBIC 2020**, 553-565.
11. 11. R Sumithra, DS Guru, VNM Aradhya, **Anitha Raghavendra**, "FACE VERIFICATION USING SINGLE SAMPLE IN ADOLESCENCE", **International Conference on Computer Vision and Image Processing**, 354-366.
12. R Sumithra, DS Guru, VNM Aradhya, **Anitha Raghavendra**, " CHILDREN LONGITUDINAL FACE RECOGNITION USING RANDOM FOREST". Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering (**ISMAC-CVB 2020**)
13. D S Guru, Nandini D, **Anitha Raghavendra**, "Mango ripeness evaluation: A hierarchical Deep learning Approach", International Conference on Data science and Applications (ICDSA 2025).

Other Achievements

- Received an **Excellence Award** for winning league of super Heroes- The value Creators in the year 2024 at **Infosys**.
- Have been recognized by Infosys Leaders to take part in training program on mathematics behind Machine learning and deep learning conducted by Applied Mathematics Centre, **Cambridge University, Cambridge, United Kingdom**

Patents:

1. Patent 1: Apparatus and method for internal quality inspection of agricultural products– 2022 [Published]
2. Patent 2: Intelligent business expense tracker 2023 – Granted.
