R L JALAPPA INSTITUTE OF TECHNOLOGY

(AffilatedtoVisvesvarayaTechnologicalUniversity,&ApprovedbyAICTE)

Doddaballapura -561203, Bangalore Rural District

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Name	Dr. Mrutyunjaya M S	
Designation	Associate Professor & HoD	
Area of Interest	Image Processing, Artificial Intelligence and Machine Learning.	
Email ID	hodds@rljit.in mrutyunjayams@rljit.in	
Research Identity	ORCID ID : https://orcid.org/0009-0009-8040-7743 GOOGLE SCHOLAR ID : : https://scholar.google.com/citations?user=bJXdVSgAAAAJ&hl=en SCOPUS ID : https://www.scopus.com/authid/detail.uri?authorId=57203142988	

EDUCATION

DEGREE	SPECIALIZATION	YEAR OF PASSING	University
Ph.D.	Computer Science and Engineering.	Oct 2023	Presidency University, Bengaluru.
M.Tech.	Computer Science and Engineering.	2014	Visvesvaraya Technological University Bengaluru.
B.E	Computer Science and Engineering.	2011	Visvesvaraya Technological University Bengaluru.

TECHNICAL SKILLS

- **Programming Languages Known:** C, Advanced C, C++, R and Python.
- **Operating Systems:** Windows, Linux.
- **Database Packages:** MYSQL, Oracle.

PROFESSIONAL EXPERIENCE: 11 Years

- Working as Associate Professor in the department of CS&E since July 2024 at R L Jalappa Institute of Technology, Bengaluru.

- Worked as Asst Professor Senior Scale in the department of CS&E from July 2017 to June 2024 at Presidency University, Bengaluru.

- Worked as Asst Professor in department of CS&E from Aug 2014 to June 2017 Karavali Institute of Technology, Mangalore.

- Worked as a technical trainer at "Ishwar Global Technologies" Bengaluru, for a period of 1 year.

CONFERENCE/WORKSHOPS/FDP

- Organizing Committee member for the IEEE International Conference on New Frontiers in Communication, Automation, Management and Security [ICCAMS] held at Presidency University during 27th and 28th October 2023.

- Organizing Committee member for the National Conference on Recent Advancements and Challenges in Information Technology [NCRACIT-23] held at Presidency University during 28th and 29th April 2023.

- Organizing Committee member for the National Conference on Cognitive Computing [NCCC 19] held at Presidency University during 22nd and 23rd March 2019.

- Organized 5 days FDP on advanced java in association with IEEE student branch presidency university between 14th to 18th March 2022.

- Organizing Committee member for 5 days' Workshop on Advanced Python programming held at Presidency University Bangalore between 23rd to 27th July 2018.

- Attended Workshop on Python programming held at Vivekananda College of engineering Bangalore.

- Organized Webinar on Introduction to Robotic Process Automation (RPA) with Hands-on" at Presidency University on 12th June 2021.

- Participated in 3 days' workshop on Research Methodology and Latex Documentation" from 6th to 8th Feb 2023 at Presidency University, Bangalore.

- Participated in FDP on "Design Thinking" on 3rd Nov 2022 at Presidency University, Bangalore.

- Participated in 5 days' FDP on "Arduino Using Embedded C – Hands On" from 20th to 24th Sep 2022 at Presidency University, Bangalore.

- Attended webinar Series on DevOps tools held at Reva University Bangalore, between 19-22nd June 2020.

- Attended ten days' online faculty development program on big data and predictive analysis, data science etc. organized by KLE society's Prabhu Kore college of computer applications, Belgaum between 8th to

17ᵗʰ June2020.

UNIVERSITY RESPONSIBILITIES

- University Project Central Coordinator.

- Timetable Coordinator.

- NACC 1 Criterion Coordinator.

- Instructor In Charge.

- Innovative Projects Faculty Coordinator.

- Build Club Coordinator.

- DAC And DQAC Committee Member.

- Examination Cell Committee Member.

- Discipline Committee Member.

- Placement Committee Member.

- Class Coordinator and Mentor.

PATENT & PUBLICATIONS

- Published an Indian patent titled "**Driver drowsiness detecting device based on AI**".

- Published an international journal on **"Quality analysis of rice grains using image processing techniques"** (IJCRD March 2014 Vol-2; Issue-3, eISSN: 2321-225X; pISSN:2321-2241).

- Published an international journal on **"Two-layer secured encryption and decryption methods for multimedia data"** (IJIET August 2013 Vol-2; Issue-4, ISSN:2319-1058).

- Published and presented a research paper on **"Grading and identification of different varieties of rice grains using image processing-A survey"** at BMSIT Bangalore (NCSIM Sep 2013, ISBN: 9788192820309, Pg:90-93).

- Published an international journal on **"Identification rice grains using image processing techniques"** (International Journal of Advanced Research in Computer and Communication Engineering Vol.7, Issue 2, February2018).

- Published an international journal on **"An innovative automated examination system"** (International

Journal of Advanced Research in Science, Engineering and Technology Vol. 5, Issue 5, May 2018 E-ISSN:2347-2693).

- Published an international journal on **"An Efficient Image Processing Methodology to Assess Quality in Food Grains"** (International Journal of Computer Sciences and Engineering Vol.-7, Special Issue-16, May2019).

- Mrutyunjaya M S, Harishkumar K S, "**A Novel Approach for Rice Grain Classification Using Machine Learning Techniques**." Eur. Chem. Bull. 2023, 12(Regular Issue 4), 3962-3972.

- Mrutyunjaya M S, Harishkumar K S, **"Non-destructive Machine Vision System Based Rice Classification Using Ensemble Machine Learning Algorithms'',** Recent Advances in Electrical & Electronic Engineering 2023; 16(). https://dx.doi.org/10.2174/2352096516666230710144614).

- Published a book chapter on **"A Study on Various Bio-Inspired Algorithms for Intelligent Computational System"** (Springer Link New Trends in Computational Vision and Bio-inspired computing pp 1533-1540, 28 Sept 2020).

- Presented a research paper on **"Skin Analytics Using Machine Learning and Deep Learning Techniques"** at National Conference on Recent Advancements and Challenges in Information Technology [NCRACIT-23] held at Presidency University, April 2023.

CERTIFICATIONS

- Completed Online Certification in Digital   image processing using MATLAB from Udemy.

- Completed Certification in software testing from TIMES TECHNOLOGIES Bangalore.

- Completed Certification in Advanced C and UNIX from UTTARA institute Bangalore.

GUIDED STUDENT PROJECTS

- Content Based Image retrieval using image processing techniques.

- An Appearance Based Human Motion Tracker Using Color Histogram and Color Correlogram Model.

- Range prediction system using deep learning techniques.

- Swarm Robotics in target search.

- Credit card fraud detection using machine learning techniques.

- Skin Analytics Using Machine Learning and Deep Learning Techniques.

- Artificial Intelligence in Farming.

EXTRA CURRICULAR ACTIVITIES

- Represented Basket & Volleyball teams at Cluster, Regional levels in U-19 category and won the volleyball championship at regional level.

- Represented college Basketball team at VTU zonal level meets.

CONTACT DETAILS
Name: Dr. Mrutyunjaya M S.
Father Name: Shivamurthaiah M B.
DoB: 26/07/1988.
Languages Known: English, Hindi, Kannada.
Current Address: #93, Samrudhi Nilaya, Addiganahalli, Rajanakunte - 560064.
Marital Status: Married.
Mob No: 9742038288.
Nationality: Indian.