JAYANDRATH RANCHHODBHAI MANGROLIA
Assistant Professor

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CAREER OBJECTIVE

To obtain a position in an environment where I can encourage creativity, innovative thinking and technical skills amongst my students in a way that increases student performance. The vast experience in various diversified subjects provides me the ability to grow my potential in Research, Academic as well as Managerial aspects of the college.

ACADEMIC QUALIFICATION

1. Bachelor of Engineering in Information Technology from Gujarat University with First Class.
2. Master of Engineering in Computer Engineering from Sardar Patel University with Distinction.
3. Ph.D. (continue) in Computer Engineering from Raksha Shakti University.

PROFESSIONAL WORK EXPERIENCE

1. **Assistant Professor**
   Duration: 01 August 2008 to till date,
   Employer: ADIT, Anand, Gujarat.
2. **Trainee Lecturer**
   Duration: 01 July 2006 to 31 July 2007,
   Employer: VVP Engineering Collage

Total Teaching Experience: 13years

Key Responsibilities:

❖ Conducted classes and Laboratory sessions according to course objectives, map those with program objectives, calculate attainment at end the of semester and take actions if required.
❖ Counselled the students for their academic progress also solved their personal progress resistance issues.
❖ Published internal, term, semester results, and monitored student's performance and provided appropriate suggestions and training for betterments.
❖ Conducted and Organized workshops related to latest tools and Technologies of IT industry.
❖ Served on academic and administrative committees as assigned.
❖ Supervised and assisted the students in seeking external funding, scholarships etc.
❖ Maintained an active research program and motivated active participation.
❖ Assisted in the development of the department and the college.
❖ Participated in various FDPs, STTPs and Seminars.
❖ Worked as a overall co-ordinator of NBA accreditation process. We got the Accreditation.
❖ Worked as a Project Co-ordinator, ISO process Co-ordinator.

RESEARCH PUBLICTIONS

- ❖ Jayandrath R. Mangrolia, Dr. Ravi K. Sheth, "Detection and Classification of Anomalous Objects: An Analysis and Open Issues", International Conference on Research and Innovation in Science, Technology and Management (ICRISTM-22). (This paper has received a best paper award)
- ❖ Jayandrath R. Mangrolia, Dr. Ravi K. Sheth, "Histogram of Oriented Gradient based Abnormal Weapon Detection and Classification", International Conference on Communication and Computational Technologies (ICCCT 2021), RTU- TEQIP-III sponsored, February-21.
- ❖ Jayandrath R. Mangrolia, Dr. Ravi K. Sheth, "Histogram of Oriented Gradient based Abnormal Weapon Detection and Classification", Springer Book Series- Algorithms for Intelligent Systems, Page 945-955, August-21.
- ❖ Jayandrath R. Mangrolia, Dr. Ravi K. Sheth, "Detection and Classification of Weapons using Gradient Orientation and Laplacian Magnitude-based Histogram", PIMT journal of Research, Volume 12, No 4(A), July-September 2021, UGC care listed journal.
- ❖ Jayandrath R. Mangrolia, Dr. Ravi K. Sheth, "Classification of Weapons near Public Places using SIFT, HOG and GLH: A Comparative Approach", Journal of the Asiatic Society of Mumbai, Vol. 96, No.09 (I) September 2022, UGC care listed journal.
- ❖ Jayandrath R. Mangrolia, Dr. N.C.Chauhan "Intelligent video surveillance: Concepts, Review and Open Issues", ICIKR-ETS-2012.
- ❖ Jayandrath R. Mangrolia, "Automatic Facial Expression Recognition -A Survey", NCAC-09.
- ❖ Jayandrath R. Mangrolia, Jatin B. Patel, "Automatic facial expression recognition using support vector machine and neural network",Volume-5, Issue-2,IJCTA, March-April, 2014.

RESEARCH AREAS

- ❖ Image and Video Processing
- ❖ Computer Vision, Artificial Intelligence and Machine Learning Techniques
- ❖ Deep Learning
- ❖ Automated weapon detection near secure areas under Intelligent Video Surveillance.

TECHNICAL SKILLS

- ❖ C , C ++, Graphics in C, Python, IoT, AI/ML, Excel Macro, VBA scripts for MS word, Excel and Power Point, MATLAB, Shell Script, Asp.Net, C#, VB.Net, PL/SQL

PROFESSIONAL BODIES

- ❖ IEEE Member , ISTE Member,
- ❖ Member of Entrepreneurship Development club
- ❖ SSIP Club