Faculty Profile Format

1. Basic Information

- **Name:** Prof Shruthi S A

- **Designation:** Assistant Professor

- **Department:** Computer Science and Engineering

- **Email:** srushtimarab.21@gmail.com

2. Academic Qualifications

- **Ph.D. (if applicable):** (Pursuing)

- **Postgraduate (PG) – M.Tech:**JNTUH,2014

- **Undergraduate (UG) – B.Tech / B.E.:** Visvesvaraya Technological University,2012

3. Work Experience

- **Total Academic Experience:** 9.10Years

- **Industry Experience:NIL**

4. Research Interests

- IMAGE PROCESSING

- ARTIFICIAL INTELLIGENCE

- MACHINE LEARNING

- DEEP LEARNING

5. Publications, Patents & Research Contributions

- **Citation Metrics:**

  - h-index: 3

  - i10-index: 0

  - Total Citations: 13

- **Papers Published:**

  - **Conference Publications:**

    - National: 00

    - International: 01

    - Inferring Dynamism Observed In Surveillance Videos To Analyzed Crowd Behaviors‖, Proceedings of 2nd International Conference on Recent trends in Engineering Technology and Management-ICRETEM20265 ,2022. (IEEE)

- o **Journal Publications:**

  - 1. Hybrid Active Contour Shape Features for Human Action Recognition using Deep Learning Model —, International Journal of Advanced Science and Technology, 29(3), Vol. 29 No. 3 (2020) .DOI: http://sersc.org/journals/index. php/IJAST/article/view/31915. (SCOPUS)

  - 2. A Human Behavior Analysis Model to Track Object Behavior in Surveillance Videos‖, Measurement: Sensors, Volume 24, December 2022,100454.DOI:https://doi.org /10.1016/j.measen.2022.100454. (SCOPUS)

  - **UGC Care Listed:07**

  - 1. Human Action Recognition On Hybrid Features Extraction From Silhouettes And Neural Networks—, Journal Of Scientific Research And Technology, Volume-2 Issue-7 ,July 2024. DOI: https://www.jsrtjournal.com (UGC CARE)

  - 2. A Novel Approach for Machine Learning-Based Identification of Human Activities‖, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 10 Issue: 08,Aug 2023.

- **Books/Book Chapters Published:** 01

- **Patents (if any): 02**

  - o An Analysis and Monitoring the Body Movements of Coma Patients using Wearable Motion Sensor System (2023)

  - o Machine Learning Based Facial and Emotional Identification Technique for Pharma Applications(2022)

- **Grants Received:** *(Total Amount: [Currency and Amount])*

  - o IOT Based Women Safety Patrolling Robot, KSCST, 5000, 6MONTHS

- **Ph.D. Guidance:**

  - o Ongoing: 00

  - o Completed: NIL

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

- Electronics circuit & Logic Design

- Operating System

- Discrete Mathamatical Structure

- Artificial intelligence and Machine Learning

- Data Structures with C

- Blockchain Technology

- Microprocessor & Microcontroller

- Fullstack web development

- Research Methodology

- Digital Design & Computer Organisation

- Web Development

- Unix Shell Programming

7. Awards & Recognitions : NA

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

- **Member:** ISTE,IETE

- **Collaborator:** NA

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