**Title**: Vision and Behavioral Pattern Recognition techniques for physical authentication in closed environment using deep learning approach.

**Objectives:**

1. To study different authentication mechanisms for vision and behavioral pattern recognition in closed environment.
2. To compare existing techniques for pattern recognition.
3. To capture an image of individual from different angles at different time slots.
4. To analyze the image on different parameters to get desired outcome.
5. To analyze different behavioral pattern, sentimental pattern of an individual to predict behavior of an individual.
6. To propose deep learning-based tool which captures image and with the help of different deep learning methods of pattern recognition will analyze image for achieving maximum level of authenticity on basis of various parameters.
7. **WORK PLAN**

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| **Sr. No** | **Period** | **Plan of Work** |
| 1 | **First Year** | * Completion of Course Work * Study of literature and extensive survey * Comparing the results * Finalization of Topic * Preparation of Synopsis * Presentation of Topic |
| 2 | **Second Year** | * Implementing the method * Processing the material * Finding out the results * Comparison of the result * Paper Publication |
| 3 | **Third Year** | * Analysis of Result * Preparation of Summary * Checking of Plagiarism * Paper Publication * Finalizing the thesis * Pre-thesis viva * Any correction from suggestions * Hard Binding of Thesis * Thesis Submission to JJTU * Final Defence |