

PRANVEER SINGH INSTITUTE OF TECHNOLOGY

Mini Project Proposal

Team Id: 22_AIML_2A_20

Team Details:

S No	Full Name	Roll No	Branch & Section	Mob No
1	Ayush Agnihotri	2101641530049	CS-AIML 2 A	8090549705
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Project Title:

Akashic: The Smart Resource Management System

Domain: (Select all relevant Options)

1. Software-Web Application ✓	2. Software-Mobile Application
3. Artificial Intelligence/Machine Learning/Deep Learning ✓	4. Computer Vision/Image Processing ✓
5. Blockchain	6. Internet of Things
7. Natural Language Processing	8. Big Data / Cloud Computing
9. Others (Specify if any): Data Analysis ✓	

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Problem Statement:

As we see today, in the era of Fast-Moving world, everyone hesitates from typing credentials with long and hectic password which is sometimes tough to remember and there are chances of breaching of ID and Passwords.

So, everyone wants new, advance and secure way of login that can make their login work more faster and easier.

Proposed Solution:

We are proposing a solution in form of new, advance and secure facial recognition login system. That will determine the face of the account owner and will secure login to the user panel by simply asking a security pin for more security purposes.

In case if the server is unable to determine the face due to some issues, then the account owner will be having a secondary method to recover his/her account.

Unique/Distinctive feature of the solution:

The features that make our project unique are as follows:

1. This type of face reorganization login system will bring a new era of login system in the world of credentials.
2. None type of data can be breached while using our login system.
3. There is no way for any type of Hacker to login through our system as it requires the person to be there.
4. We will be using ML to recognize whether the real person is there or its image is being shown to the camera.
5. The whole project will be completely responsive for all frames devices.
6. Interactive UI.
7. No lag in mobile devices.
8. Also works in low internet speed.

There no such type of smart login system currently being proposed or used by any of the company.

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Tools/Technology Uses:

Hardware Requirements:

- Camera
- Internet Connection
- i6 10th Generation Processor
- SSD
- RAM – 8 GiB

Software Requirements:

- Python 3.10.7
- NodeJS 18.9.0
- VPS
- OpenCV
- Database
- Cryptography
- TensorFlow
- Keras
- Pandas

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(To be Filled by Faculty/Evaluator)

Proposal Evaluation:

1. Right Identification of the Problem (Appropriate selection of the problem)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
2. Relevance of the Solution (Adequately addressing the problem/need)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
3. Innovativeness in the Solution (Distinctive innovative components/features of the solution)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
4. Uniqueness of the Solution (Intellectual Property Component)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable

Improvements/ Suggestions by the Evaluator:

1.	
2.	
3.	
4.	

Name of Faculty:

Designation:

Signature with Date:

Instructions:

- One Proposal per team will be submitted by the team leader only.
- A Team can have maximum 5 Members.
- Upload the document in .doc or .pdf format with font size 12, single spacing, Times New Roman font only.