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**Problem Statement**

Primary Schools have a high priority requirement of protecting children. In the past, many children have been taken away from schools due to unauthorised adults disguising as their legal guardian. Often times, these children are targeted by parental alienation where the parent is trying to kidnap their child and take them away from the other parent. As a result of such situations, primary schools are a common abduction target where the child may be picked up by someone that hasn’t been authorised for collection.

**Problem Motivation**

The problem is extremely important if we want children to stay safe at primary schools. Primary schools don’t have a good enough collection control system where children can be targeted to be picked up by people who are unauthorised.

**Literature Review**

**INTRODUCTION**

To create the most beneficial solution to our facial recognition children collection authorisation project, we should understand facial recognition a little better. In our recent times, facial recognition has gained increasing attention. The reason why is because technology is more available than it ever has been and there are many useful things facial recognition allows us to do such as identification, access control, human-computer-interaction, etc. (Adjabi, et al., 2020). Sounds great right? Sadly, over the facial recognition history, there been complications implementing it. There are many aspects that may make it difficult to recognise faces such as lighting, facial expressions, angle of face, distance between the face and the camera (Adjabi, et al., 2020). Therefore, over the years, many different techniques have been used which has its own positives and negatives which can impact the performance and the accuracy of correctly identifying faces and that deal with these complications differently, which is why, it is important to be aware of the positives and negatives the different techniques provide. In this literature review, we will identify different solutions and the techniques they have used including their strengths and weaknesses that will help us identify the best technique for us.

**Project Statement**

Based on this research, what kind of technique should we use? Why will we use this technique? What will we do exactly? – MAKE SURE TO CHANGE PROBLEM STATEMENT AS I HAVE COVERED THINGS IN THERE THAT SHOULD BE COVERED IN HERE

Adjabi, I., Ouahabi, A., Benzaoui, A. and Taleb-Ahmed, A., 2020. Past, present, and future of face recognition: A review. *Electronics*, *9*(8), p.1188.

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