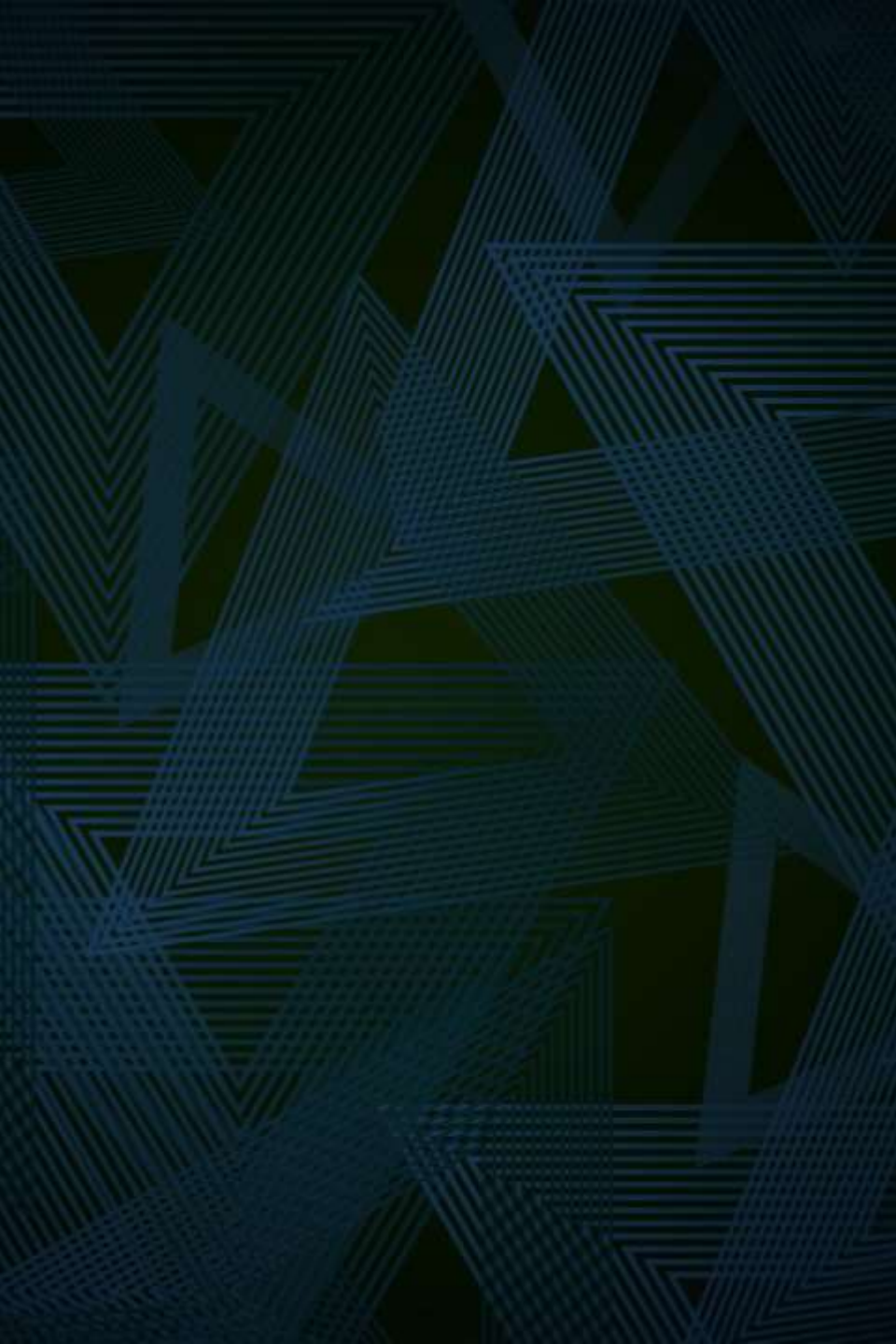




INTERIM VIVA

120069

SAMUEL GROVES

Contents

- **Research Question**
- **Aims & Objectives**
- **Statement of Problem**
- **Resources**
- **Methodologies**
- **Time Plan**
- **Proposed Design**



Research question

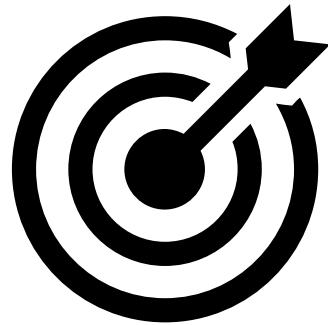
‘The use of facial recognition software to improve security within an academic/educational setting’



Aims & Objectives

Aim

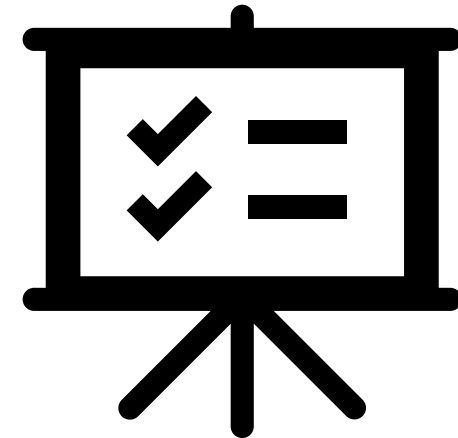
Assess how facial recognition software can improve the security of current systems within academic/educational settings



Aims & Objectives

Objectives

- *Ethical Considerations*
- *Security Considerations*
- *Data generated*
- *First-hand Statistics*
- *Benefits & Drawbacks of FR*
- *Design, Evaluate & Test Solution*



Statement of problem

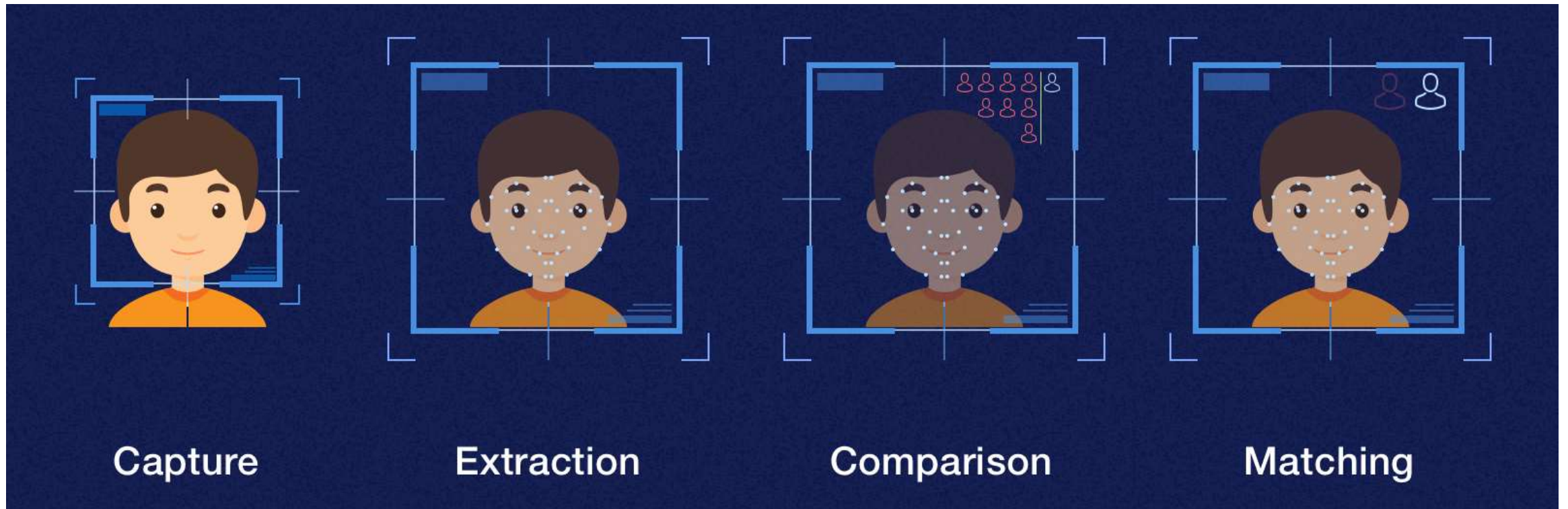
What is Facial Recognition?



(2)

Statement of problem

How does Facial Recognition work?



Statement of problem (Cont)

What is out there already?



Statement of problem (Cont)

Is Facial Recognition already used in Education?



Statement of problem (Cont)

Concerns

- *Ethical Dilemma*
- *Cultural Issues*
- *Legislation*
- *Sensitivity of Data*
- *Intrinsic & Extrinsic Factors*

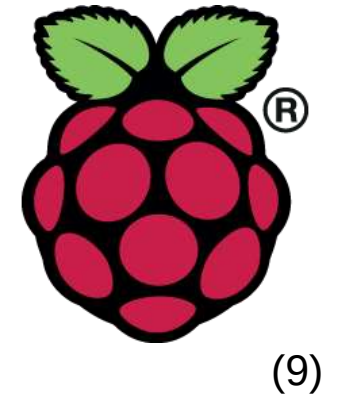
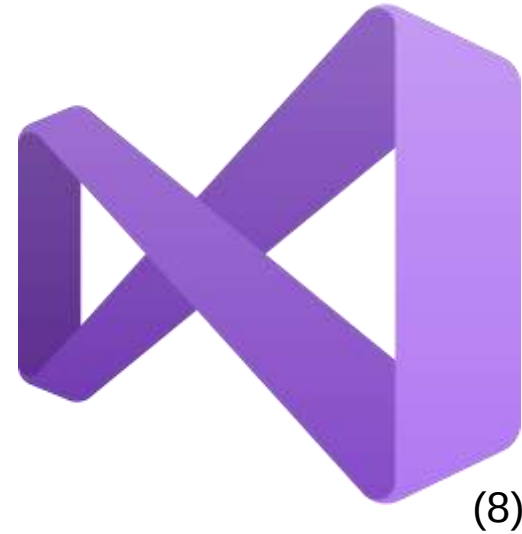


Resources

Hardware



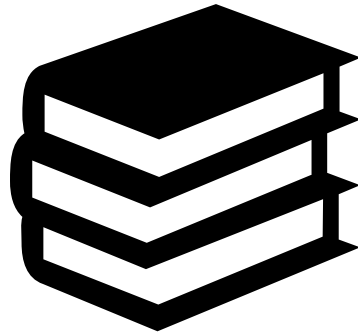
Software



Research Methodologies

Philosophy

- *Positivism*
- *Strictly Statistical*
- *Non-speculative*



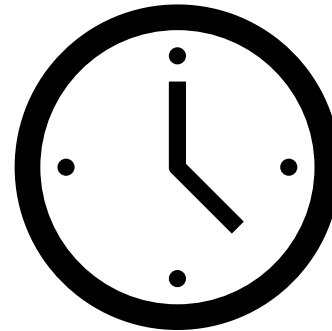
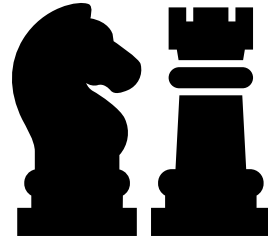
Approach

- *Deductive Approach*
- *Technology already used in environment.*
- *Hypothesis on Existing Theory*

Research Methodologies

Strategy

- *Experimental*
- *Security before solution
VS after*
- *Single variable change
to produce outcome.*



Time Horizon

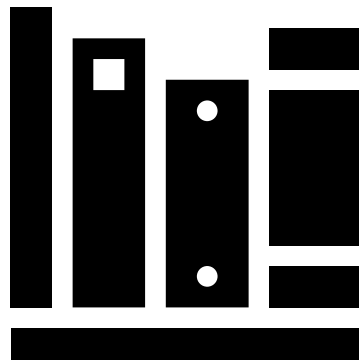
- *Cross-sectional*
- *Different groups of
users*
- *Finite Time Allocated*

Research Methodologies

Data Collection Method

Primary Data

- *Observations*
- *Interviews*



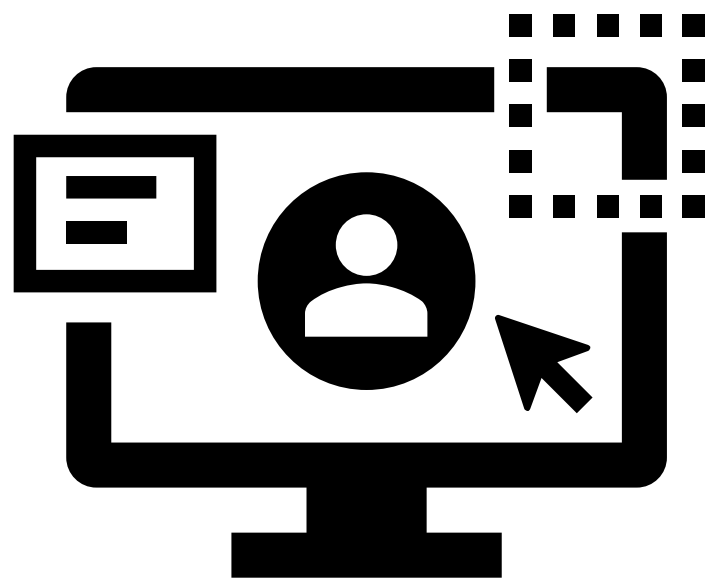
Secondary Data

- *Case Studies*
- *Suitable Experiments*
- *Range of Literature*

Time Plan

[illegible]

Proposed Design



Welcome to the NPTC Facial Recognition Scanner!



Please enter your student/staff number below

Student/Staff Number:

Welcome to the NPTC Facial Recognition Scanner!



Please Wait...



**Please Look Directly at the
camera**



...If you wear glasses, please remove them. Any
face coverings must also be removed.

You have been accepted.



Welcome!

**Hmm... I cannot seem to recognise
you.**



**Please contact a nearby staff
member.**

Any Questions?



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