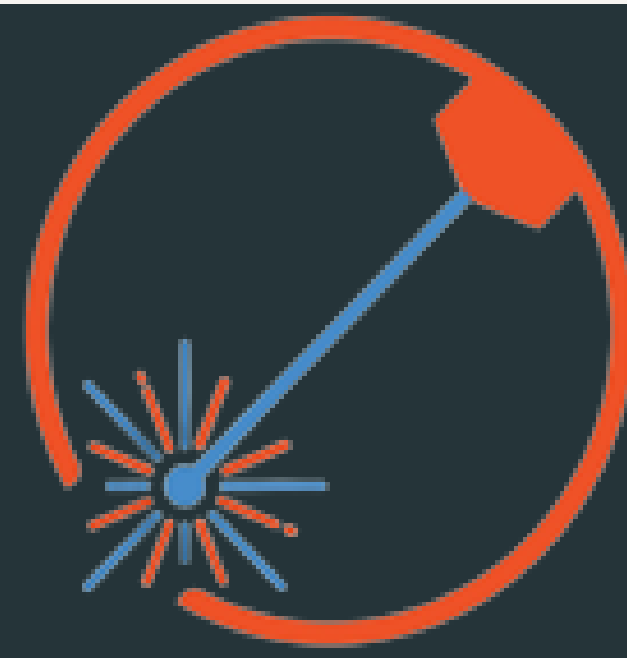


VOICE SABER



Attacking Virtual Voice Assistants Using Laser

Project ID 2112

1 ABSTRACT

Voice Saber is a project in which we are exploiting a vulnerability that exists in MEMS microphone which allows us to remotely execute commands using laser.

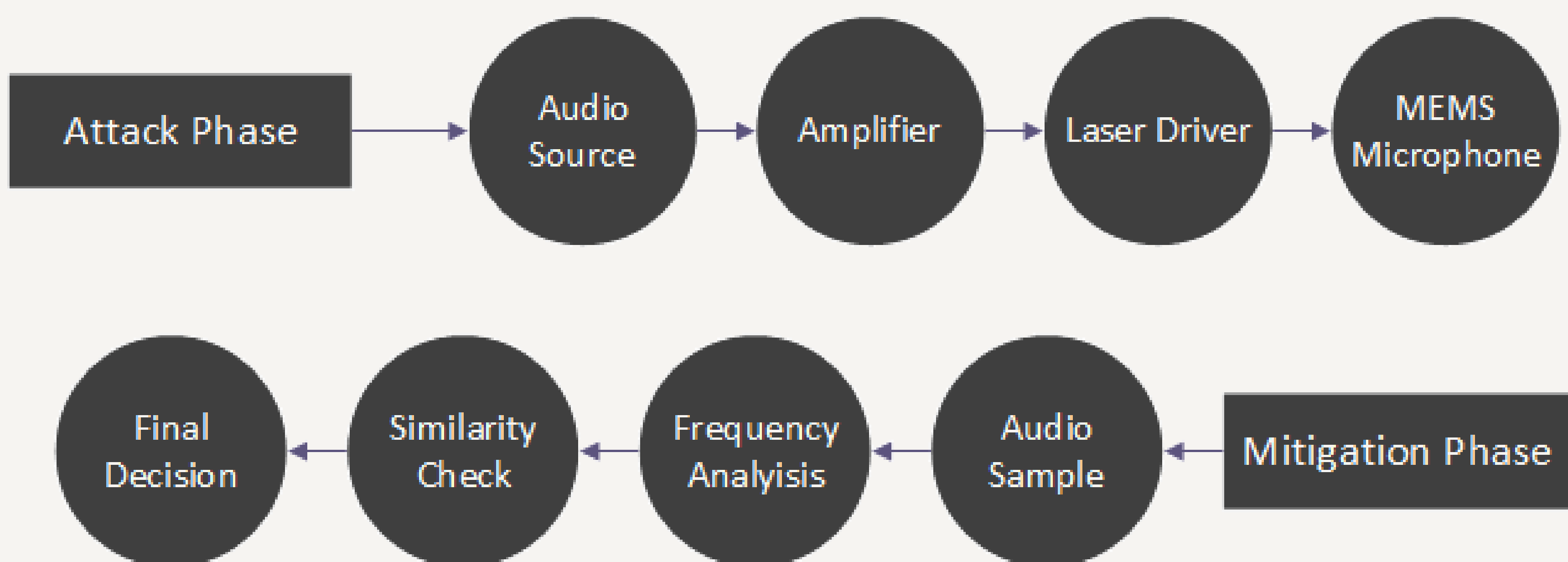
Alongside the attack case we also created a framework to patch this vulnerability.

2 OBJECTIVES

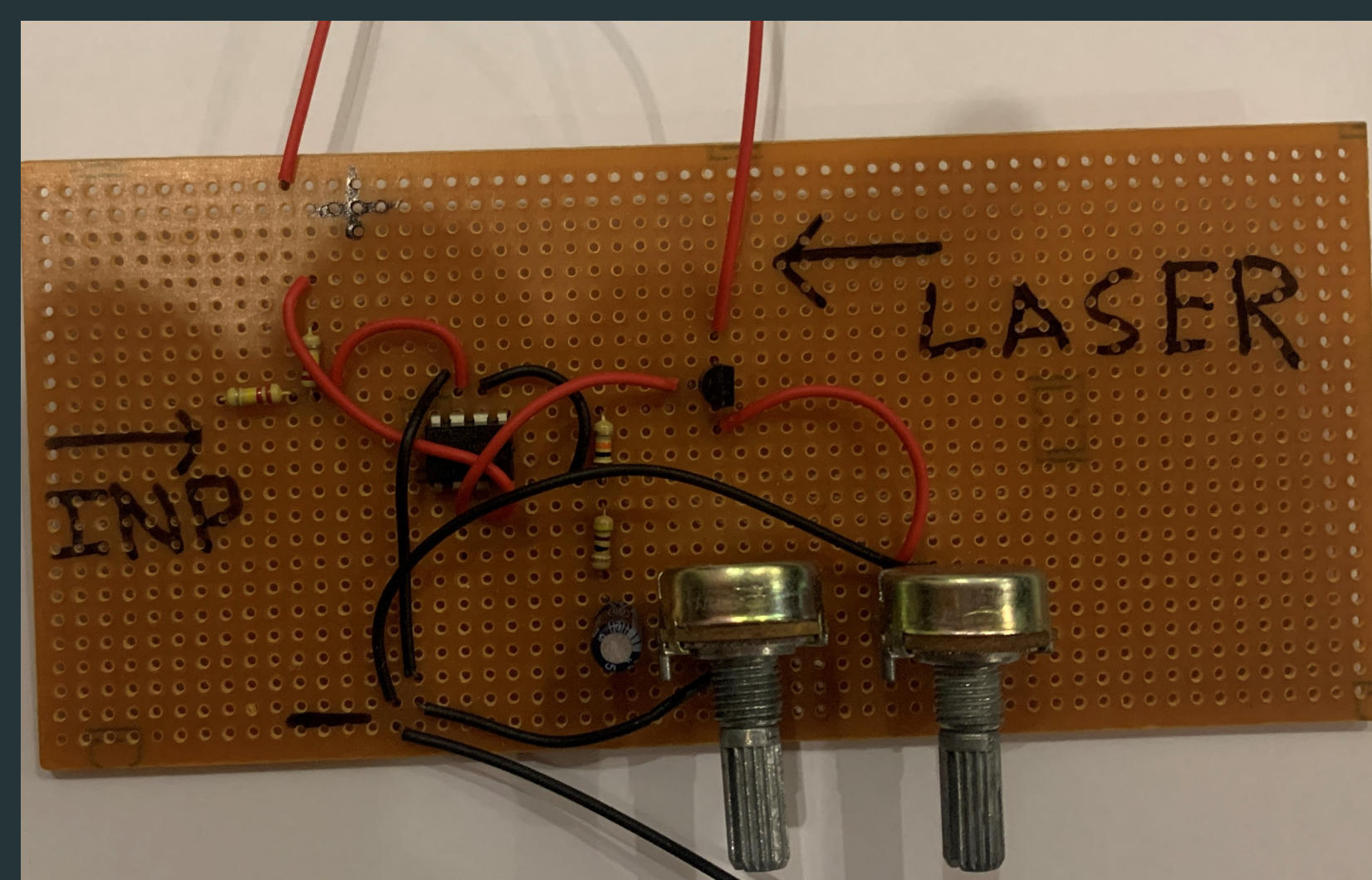
Two main objective, first of them being the attack case in which we made the whole attack circuit as cheap as possible.

In the second phase we created a framework which recognizes the voice coming into the mic and decides weather this is an attack or

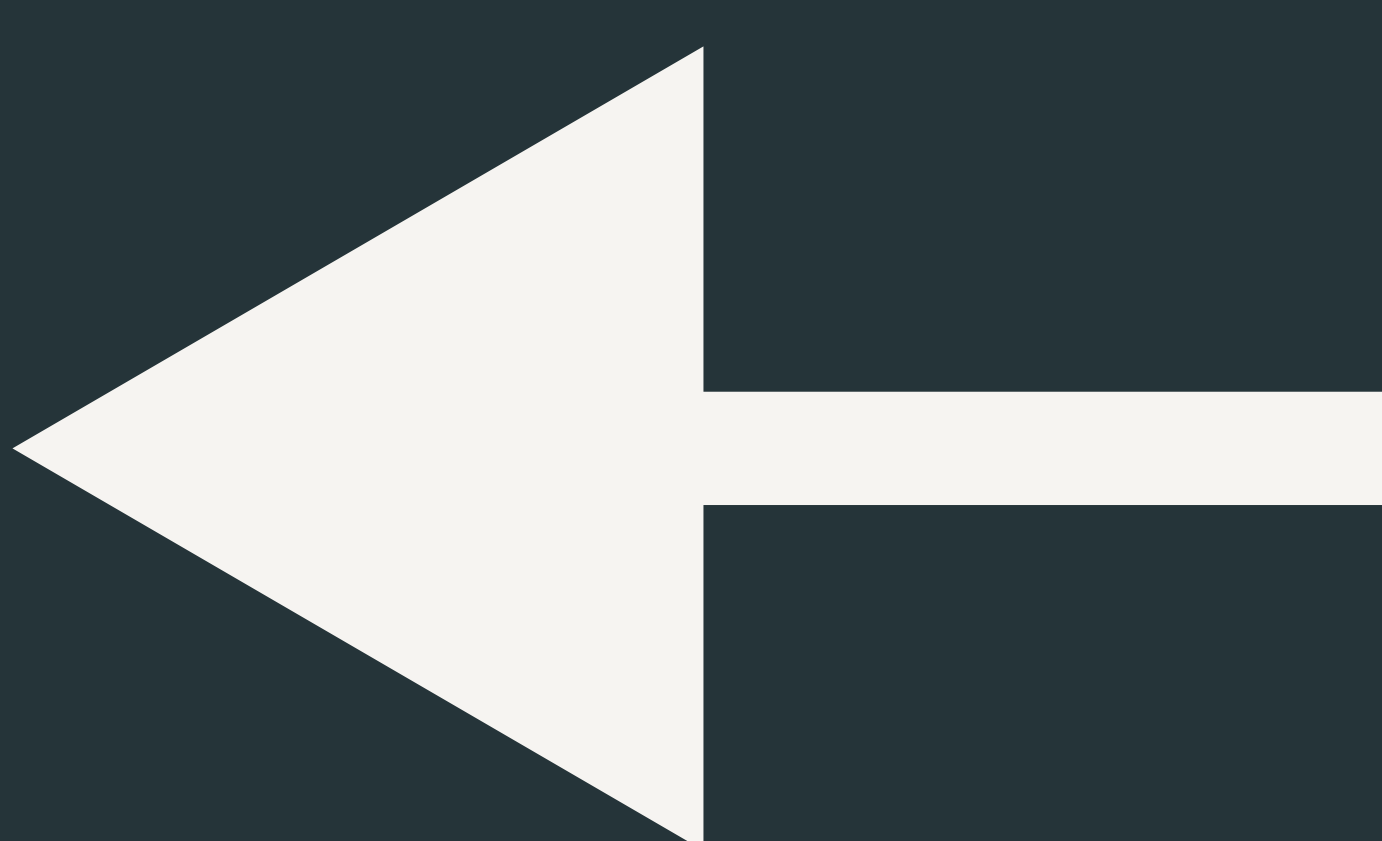
3 METHODOLOGY



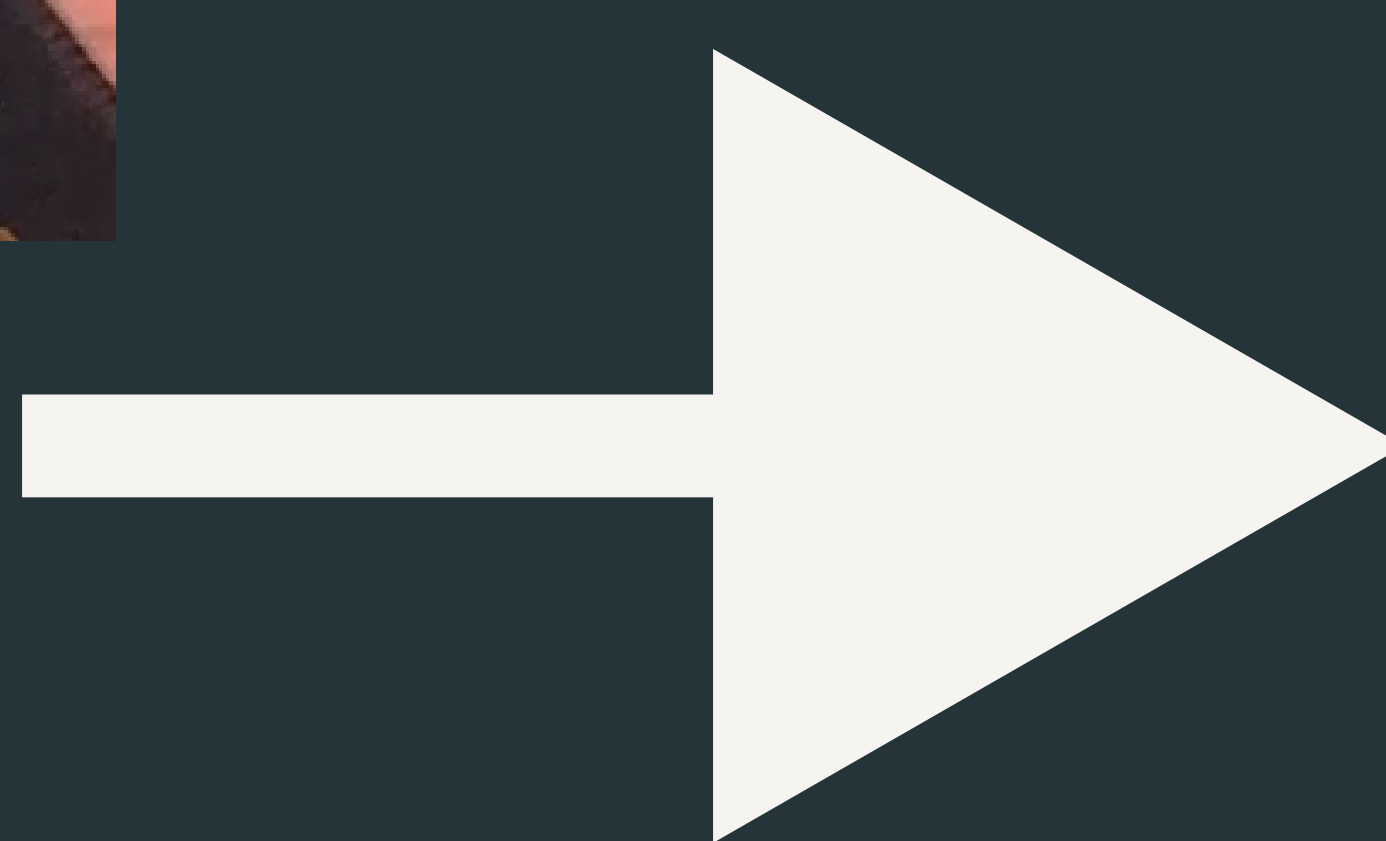
4 Results



Mitigation
Phase



Attack
Phase



Attack
Detected



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Made By:
Abdullah Khalid 181226

