**A purple circle with a white circle and a blue circle with a white circle and a white circle with a blue circle with a white circle with a blue circle with a white circle with a white circle

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**REQUIREMENT DOCUMENT**

**FEATURE – VIDEO PROCTORING IN INTERVIEWS USING AI**

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| **KONVERZ AI**  **Business Requirement Document** | | | | | | |
| **Version** | 00 – | Approved | – | Initial Release | **Date of Issue** | 05-07-2024 |
| **BRD Author(s)** | Ashish Chauhan | | | | **BRD Reviewer** | Ayush Singh |
| **Business Priority** | High | * Medium | | | Low |  |
| **Application Name** | Video Proctoring | | | | | |
| **Initiative Short Description** | Video proctoring in Interviews using AI | | | | | |
| **Specific Exceptions related to BRD** |  | | | | | |

## Document Change History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rev** | **Date** | **Editor** | **Section** | **Nature of Change** |
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|  |  |  |  |  |

**Requirement:** By implementing below scenarios in AI-driven interviews, companies can ensure a secure, fair, and efficient assessment process, maintaining the integrity of their hiring practices.

**Scenarios**:

#### **Scenario 1: Candidate’s Availability Throughout the Interview**

**Objective**: Ensure the candidate is present and engaged for the entire duration of the interview.

* **Actions**:
  + The system continuously monitors the candidate’s presence via webcam.
  + The candidate receives alerts/flagged if they leave the camera view or appears inactive for a certain period.
* **Acceptance Criteria**:
  + The candidate remains visible on the webcam throughout the interview.
  + Alerts are generated if the candidate leaves the view or remains inactive for more than 30 seconds.

#### **Scenario 2: Single or Multiple People Detection**

* **Objective**: Ensure only the candidate is present during the interview and no unauthorized individuals are assisting.
* **Actions**:
  + The system uses facial recognition to detect and count the number of people in the camera view.
  + An alert is generated if more than one person is detected.
* **Acceptance Criteria**:
  + The system accurately detects the presence of additional people.
  + Alerts are generated immediately when an unauthorized person is detected.

#### **Scenario 3: Liveliness Check**

* **Objective**: Confirm the candidate is a live person and not a pre-recorded video.
* **Actions**:
  + The system performs periodic liveliness checks by checking the candidate’s specific actions.
* **Acceptance Criteria**:
  + The system successfully verifies the candidate's liveliness at random intervals.

#### **Scenario 4: Object Detection for Electronic Devices**

* **Objective**: Detect the presence of unauthorized electronic devices during the interview.
* **Actions**:
  + The system uses object detection algorithms to identify electronic devices in the camera view.
  + If an electronic device is detected, an alert is generated.
* **Acceptance Criteria**:
  + The system accurately identifies electronic devices in the camera view.
  + Alerts are generated immediately upon detection of an electronic device.
  + The candidate been flagged for unauthorized devices seen during the interview.

#### **Scenario 5: Eye Movement Detection**

* **Objective**: Monitor the candidate's eye movements to ensure they are not looking away from the screen frequently.
* **Actions**:
  + The system tracks the candidate’s eye movements using facial recognition technology.
  + An alert is generated if the candidate frequently looks away from the screen or seems distracted.
* **Acceptance Criteria**:
  + The system accurately tracks and logs eye movements.
  + Alerts are generated if the candidate’s gaze shifts away from the screen excessively.

#### **Scenario 6: Lip Movement Detection**

* **Objective**: Ensure the candidate is not receiving verbal assistance from someone off-screen.
* **Actions**:
  + The system monitors the candidate’s lip movements for unusual or excessive talking when not expected.
  + If suspicious lip movements are detected, an alert is generated.
* **Acceptance Criteria**:
  + The system reliably detects and logs lip movements.
  + Alerts are generated for unexpected or suspicious lip movements.