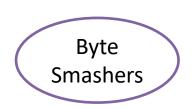
SMART INDIA HACKATHON 2024



Ministry of Defence/DRDO

- Problem Statement ID 1653
- Problem Statement Title Web based Selector-Applicant Simulation
 Software
- Theme Smart Automation
- PS Category- Software
- Team ID-
- Team Name (Registered on portal)







Enhancing Interview Processes with a Real-Life Board Room Experience all by a single platform:



Video link:

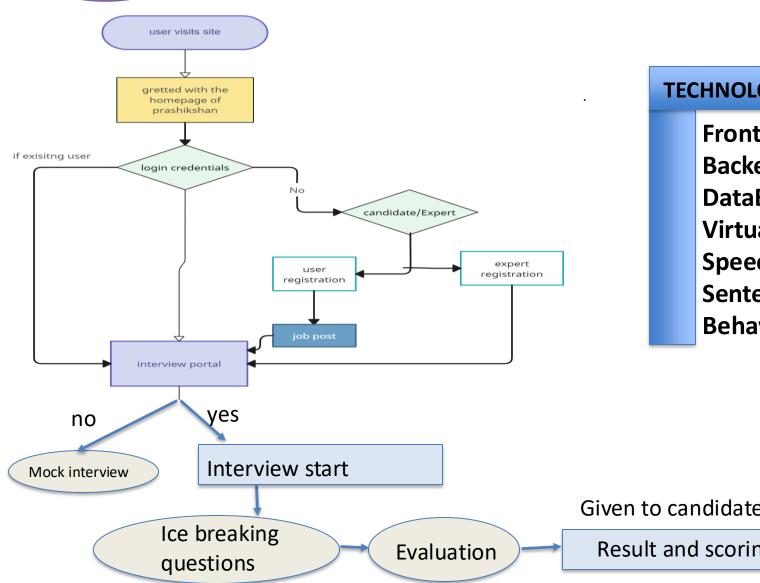
https://drive.google.com/file/d/1L8Lde_gK1KvQQvV2jXuRVGJZlui1v0b/view?usp=sharing



For candidate

TECHNICAL APPROACH





Using SBERT

TECHNOLOGIES USED:

Front End ->HTML, CSS, Javascript

Backend- >NODEJS

DataBase Management-> MongoDB, MySQL

Virtual Boardroom-> WebRTC, SEB

Speech-Text-> Google transcript

Sentence Analysing-> SBERT

Behavior Analysis-> NLP, SBERT

Given to candidate

Result and scoring

From candidate

Feedback

End

Byte Smashers

FEASIBILITY AND VIABILITY



- · Technical feasibility
- · Operational feasibility
- · Scalability
- Adaptability

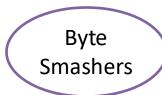
Feasibilities

Potential Challenges & Risks

- · Accuracy of scoring
- · Resource requirement/Effective maintenence
- · Performance degradation
- · Technology advancement

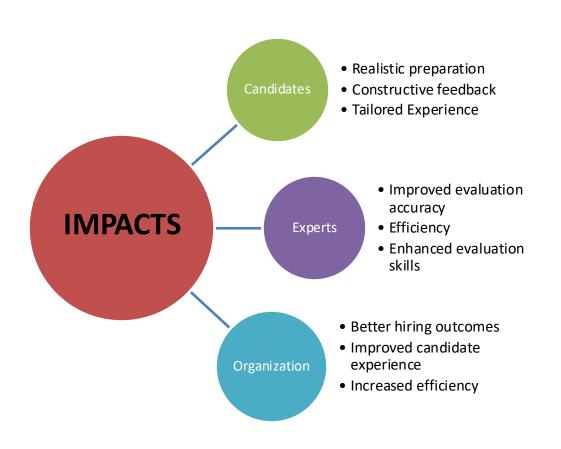
- · Use of advance NLP and MLM
- Continuous refining and training of model based on feedback
- · Defining clear KPI along with feedback mechanism
- Regulatory changes with respect to new emerging technology.

Strategies to overcome these challenges



IMPACT AND BENEFITS







Social

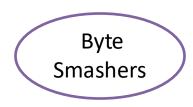
- Fairness and Inclusivity
- Professional Development

Economical

- Cost Efficiency
- Better Hiring decisions

Environmental

- Reduced Physical Meetings
- Optimized Resource Use



RESEARCH AND REFERENCES



- 1. <u>Using a virtual reality interview simulator to explore factors influencing people's behavior | Virtual Reality (springer.com)</u>
- 2. <u>A Comprehensive Study and Implementation of the Mock Interview Simulator with AI and Pose-Based Interaction | IEEE Conference Publication | IEEE Xplore</u>
- 3. How to Conduct a Feasibility Study: Key Steps & Examples (simplifearn.com)
- 4. How to Conduct Virtual Interviews? (wecreateproblems.com)
- 5. <u>SentenceTransformers Documentation Sentence Transformers</u> documentation (sbert.net)