**CODE BREAKERS**

**Report: AI Video Generator for Educational Content Creation.**

**IDENTIFIED PROBLEM**

In today's digital age, the education landscape is evolving rapidly. This growth is not visible in the education sector of rural/remote areas. With a growing need for engaging and accessible online learning materials, educators face the challenge of creating visually appealing and informative presentations or videos that can help students living in these areas better understand a topic. Also, creating these presentations and videos is often a very time-consuming process.

**PROPOSED SOLUTION**

To address this challenge, we have developed an innovative AI Video Generator designed specifically for educators. This tool allows teachers to create presentations which automatically get converted to videos in which, the topic is explained by our product’s text to speech convertor.

**MOTIVATION**

Saving educator’s time is motivating in itself. Additionally, we aspire to enable children living in remote areas (with limited internet access) to get access to good quality education. This can be done efficiently with our project as it allows educators to create educational videos very quickly from the convenience of their own location, making it possible to reach students in remote areas and helping them experience the AI revolution.

**FEATURES**

1. Transcript and Image Generation:

Our product uses WorqHat’s AiCon V3 Advanced Text Generation AI Model for the transcript of the topic provided by the user and their ImageCon V3 Beta to generate images that go along with it.

1. Voice Over to Explain the Content:

As the presentation/slides will only contain the points and not the whole explanation, a voice over will be added to narrate the generated transcript. This will be beneficial as no additional human involvement will be required by the students while consuming the knowledge.

1. Video Presentation Generation:

Our product will combine these slides and the voiced explanation to finally export a video, which can be delivered to students in various online and offline ways.

1. Giving Educators Control Over the Contents:

The AI models might generate some things that the educator creating the video presentation may not like. They might also want to add a few additional points or update an image. Our product makes sure that they can do this for any slide by either regenerating a specific part or manually adding the content that they want before exporting the video.

**BENEFITS OF OUR PRODUCT**

* Remote learning: Our product ensures a good quality learning experience and educational content is accessible to a wide range of learners, including those who live far away from physical educational institutions.
* Time saving: Our product significantly reduces the time spent on content creation, allowing educators to focus on other things that require their attention.
* Engagement: The visually appealing presentations and voice-overs enhance student engagement and comprehension.

**CONCLUSION**

Our AI Video Generator for Education revolutionizes content creation process for educators. It simplifies the process of generating high quality presentations and converting them into engaging videos with realistic text-to-speech capabilities. The addition of editing the content manually further enhances the flexibility and control educators have over the final output. The ultimate goal of providing remote learning experience for students with limited access to resources is also achieved efficiently.