



IIT (ISM)
TEXMiN



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

UPSKILL

A close-up photograph of a woman wearing a virtual reality headset and holding a VR controller. She is smiling broadly, showing her teeth. Her hair is dark and curly. The background is blurred, suggesting an indoor setting.

MINE SIMULATOR



WE got knocked with an idea of creating a virtual
mine that will helpful in training and research.

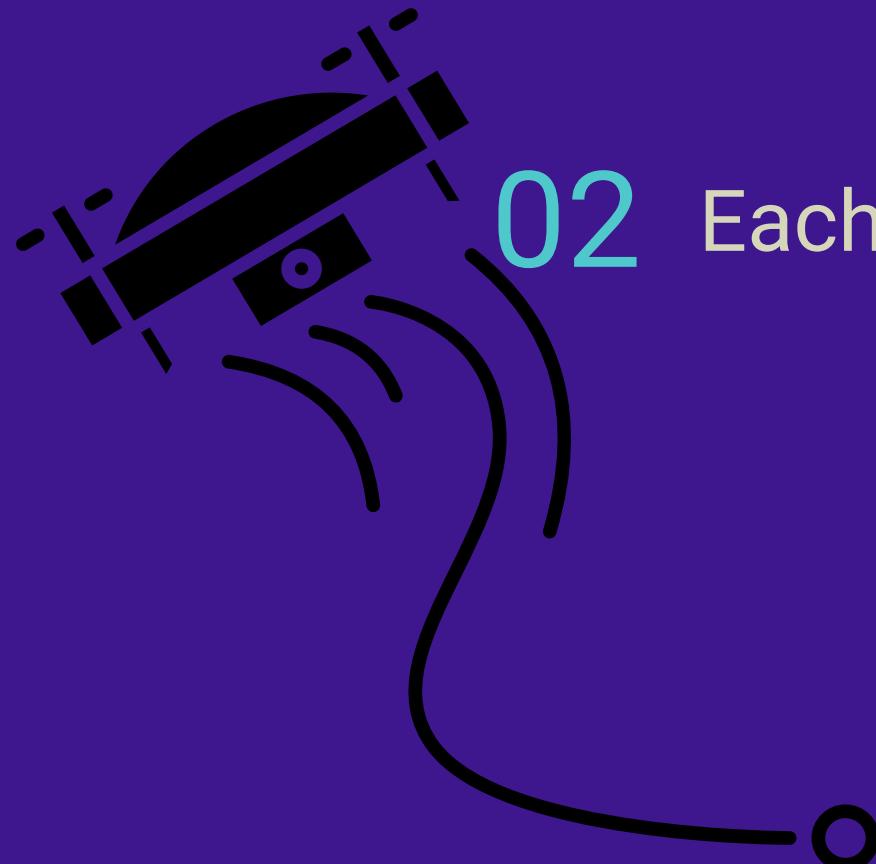


PROCESS

- 01 Image Collection
- 02 Compilation and Modelling
- 03 Refining and Furnishing
- 04 Creation of virtual environment
- 05 Uploading into VR Headset

IMAGE COLLECTION

01 Aerial Image of mine has to be taken with the help of Drone.



02 Each Image will contain Geo-reference

COMPIRATION AND MODELLING

- 01 By the use of GIS software, we create a Point Cloud
- 02 This Point Cloud is used to make a solid Mesh.

FURNISHING

- 01 By the use of Blender, we refine model
- 02 Tools like sculpting is used to make mines look more real

CREATING OF VIRTUAL ENVIRONMENT

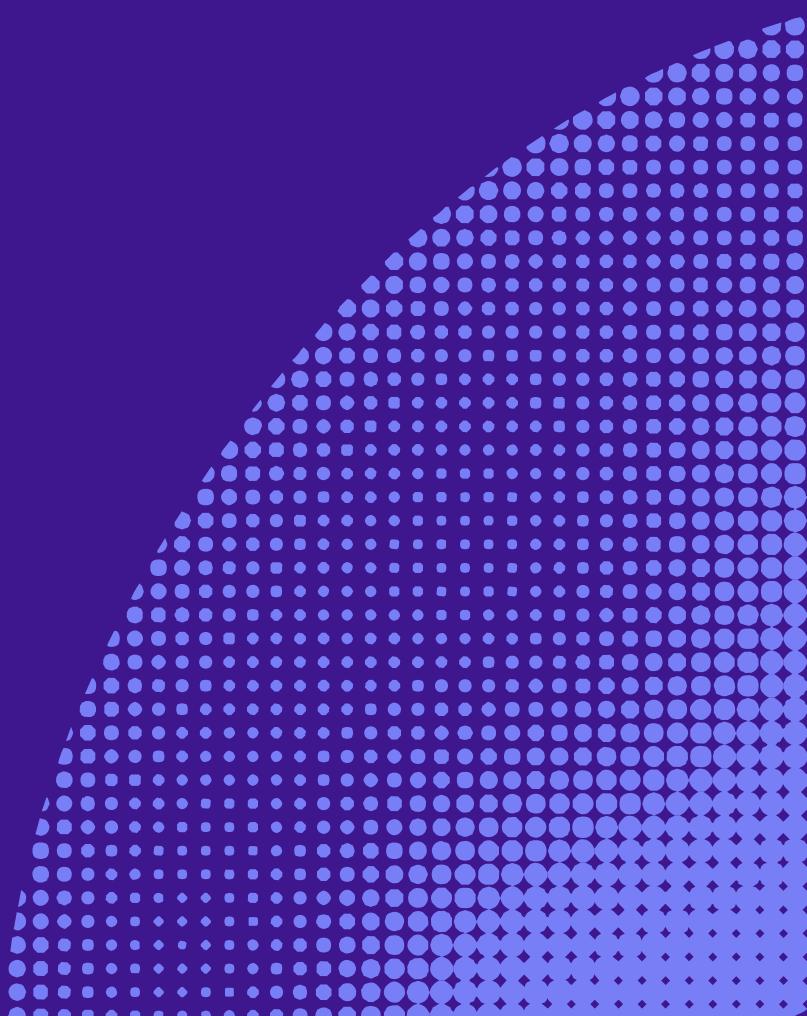
01

We import the 3D model to Unity

02

And then teleport an Avatar that works on
User input and actions

VOILA !



OUR TEAM



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