**NIT Hamirpur VR**

In this project, we aim to replicate the NIT Hamirpur campus in a virtual world, so that all those who are willing to see their campus will be able to explore as well as remember their memories with their campus. Due to the pandemic, the college campus was off-reach for 1 year so the students couldn't visit their campus throughout the year. With the help of our app, in only 30 MB, you can see India’s one of the most beautiful campuses.

We have made it by using multiple software such as Blender, Unity and Visual Studio. Firstly we made 3D models of the Nit Hamirpur campus (Building, trees, Roads, playground, etc.), then we exported it in the (.fbx) format which was then imported to unity. Then we added many assets (eg. 1st person character, joystick in the mobile version, etc) and scripts (eg. scene changing, 3rd person character, 1st person movement, joystick script, volume button, etc ). We also created a natural atmosphere by linking the game time with the device time so that the day/night will occur according to the time in the VR simulation. In the end, all the scripts were processed in Visual Studio. We can launch this app as a virtual trip to Nit Hamirpur and also have a plethora of other uses of the app.