

### **Road Safety solutions using 3D datasets**

Technology Innovation Hub at IIT Tirupati well known as IIT Tirupati Navavishkar I-Hub Foundation (IITTNiF) have developed innovative solutions to mitigate Road Risks and ensure Road Safety. Road Safety has become a critical issue with the increase of Highways and Expressways in India. We feel that this issue can be addressed effectively using our solutions which are based on 3D Digital Twin datasets which reflect an accurate and realistic view of the roads. Simulations can be performed on these data sets as this gives a view of the roads and surrounding areas in three dimensions.

IIT Tirupati Navavishkar I-Hub Foundation (IITTNiF) has extensive experience in this subject. We have tied up with Genesys International Corporation based in Mumbai, who are the leaders in this 3D data creation. This data set will be the foundation of our Road Safety solutions which allow modeling and simulations of different scenarios.