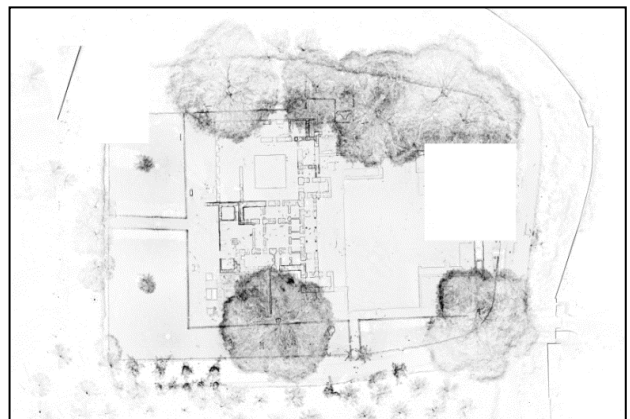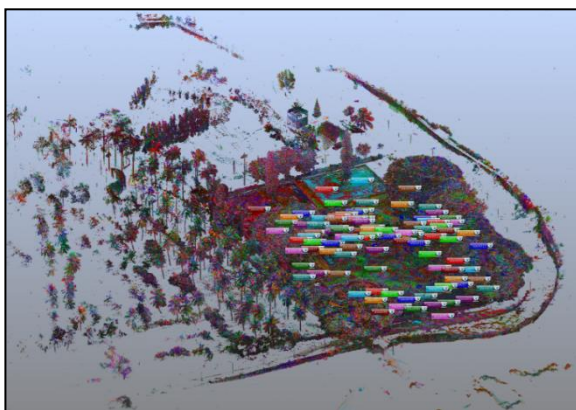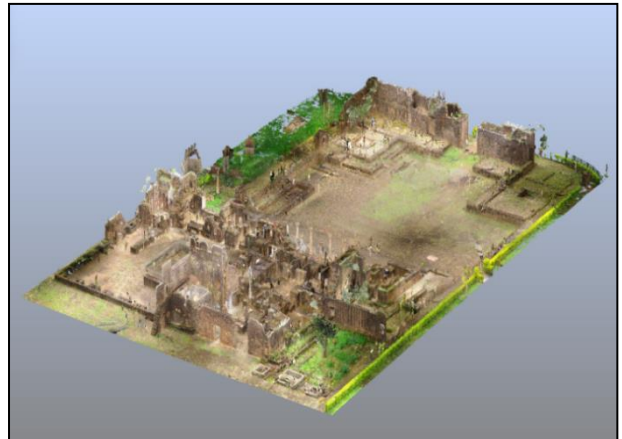# 107 D. (10) Karnataka Digital Heritage (KDH)

KSCST has initiated the KDH Programme for Digital Documentation of Heritage Monuments using 3D laser scanning and Geo-spatial technology Technologies of state archaeological protected heritage monuments to capture the Surface Geometric details of the Monuments to generate 3D Point cloud data, 3D Mesh Models and CAD Engineering drawings to create immersive virtual walk through and to promote Virtual Tourism for reconstruction/restoration of the protected Heritage monuments comes under Dept of Archaeology, Museums and Heritage, Govt of Karnataka.

- Completed 3D Laser scanning of 650 protected heritage monuments of Bengaluru, Mysuru and Kalaburagi division out of 844 identified monuments since inception of the project.
- Around 290 monuments have been covered in 5 districts of Belagavi division during 2022-23 in Belagavi, Bagalkote, Dharwad, Gadag and Haveri and Uttara Kannada districts.
- Creation of geo-spatial data, geo tagging of spatial and non-spatial data with Photographs of these monuments is in progress.
- Generation of 3D Point cloud data, 3D Mesh Models, CAD Engineering drawings and HTML web browser Conversion of these monuments are under progress.
- 3D laser scanning of monuments in Vijayapura district is under progress.

3D Laser scanning and 3D Point cloud data of Kittur Fort, Belagavi district