

KARNATAKA DIGITAL HERITAGE

Project Investigator	:	Dr. U.T. Vijay, Chief Scientific Officer
Budget	:	Rs. 64.92 lakhs
Funding agency	:	DAMH, GoK
Duration	:	October 2019 – October 2023

Objectives:

- To collect the data on heritage sites and monuments and capture the geographical location of 844 protected monuments of DAMH, GoK using GPS in all districts of the State.
- To capture the surface geometric details of heritage monuments using 3D laser scanner for 3D modelling.
- Geo-tagging of photographs and creation of the database on various parameters of all heritage monuments using geo-spatial technologies (GPS, GIS, RS)
- Organization of training programmes for officials on utilization of laser scanned data outputs for restoration and conservation of heritage sites

Progress:

- Collection and collation of the list of protected monuments of all 4 revenue divisions.
- Discussion with the Commissioner, Dept. of Muzrai, GOK to get the permission to carry out the field survey with 3D Laser scanning of temples comes under purview of Muzrai department
- Field survey with GPS and 3D Laser scanning of around 45 monuments in Bengaluru urban, Bengaluru Rural, Ramanagar, Chikkaballapur and Kolar districts in Bengaluru division.
- Post processing of the scanned data- registration, cleaning and generation of 3D point cloud data of these monuments is under progress.
- Creation of geo-spatial data and geo-tagging of spatial and non-spatial data with photographs of these monuments is under progress



3D point cloud data of Kempegowda tower and inscriptions in Ardeshanahalli, Devanahalli taluk, Bengaluru Rural