Abstract

This paper demonstrated the usefulness of information integration in Kathmandu Metropolitan City. The spatial data--parcels, buildings, road, electricity, water-supply and telephone networks from cadastral maps, and newly constructed buildings and recent land use map from IKONOS imagery--was prepared using ESRI software. The non-spatial urban management supporting information--ownership details, tax-rate, parcel type, house number, and building status--was prepared independently in Microsoft Access. The customization developed in map objects links these spatial and non-spatial information including photos of owners and buildings. This application assists to assess tax and services charge payment status, details of owners, and land uses spatially together.

Tika Adhikari
Kathmandu Valley Mapping Programme, Kathmandu Metropolitan City
Information System Unit
P.O.BOX 12544
KATHMANDU, NA NA
NEPAL
Phone: 977-1-358554
Fax: NA
E-mail: tadhikari@yahoo.com

Purushottam Singh
Kathmandu Valley Mapping Programme, Kathmandu Metropolitan City
Information System Unit
P.O.BOX 20444
KATHMANDU, NA NA
NEPAL
Phone: 977-01-268517
Fax: NA
E-mail: will submit later

Satyandra Raj Sakya