Univesity of Sofia
St. Kliment Ohridski

Faculty of mathematics and informatics
Department of Information technology

Graduation work resume

Student: Nikolay Lyudmilov Nikolov, subject: Informatics, faculty № M21878

Director of studies: associate professor A. Popov, department of "Information technology".

Graduation work title:

   Development of a graphic module for GPS mobile device under Windows CE OS.

Key words and concepts:

1. Graphic objects and data specification – MapInfo MIF/MID.
2. MIF/MID data reading and writing.
3. GPS data stanards.
4. GPS data reading and writing.
5. Graphic module integration with professional GPS application.

Annotation:

The graduation work implements Windows based application, which visualizes the connection between data, and geography through simplified graphic editor. The application interacts with GPS receiver installed on a mobile device working under Windows CE operating system. The input and output data is presented in MIF/MID file format in order to be assured interoperability with the professional mapping application "MapInfo Professional". It is achived the main goal of the work – to transport the basic functionality of "Mapinfo Professional" to a mobile device and adding functionality for graphic representation by the means of GPS receiving set.