SUDAN UNIVERSITY OF SCIENCE &TECHNOLOGY COLLEGE OF GRADUATE STUDIES DEPARTMENT OF SURVEYING ENGINEERING

Adjustment and Analysis of Three Dimensional Survey Networks

A Thesis submitted for partial fulfillment for the requirement of the degree of (M.Sc.) in Geodesy and GIS.

BY

Gamar Elanbia Osman Haj Ali Mohamed

SUPERVISED BY

Dr. Ali Hassan Fagier

February-2012