

# WEB-BASED SURVEY CREATOR WITH MULTIVARIATE DATA ANALYSIS FEATURES

Prepared by: Tan Jun

## ABSTRACT

---

This project investigates the development of application based online fact-finding system using AS.NET. This system is a prototype of web based SPCS system (Statistical Process Control System). This system provide statistical process control system functions and features online, to help the users obtain data easily in wide scope of area and analyze the survey automatically in system, the users can view the analysis results through the internet. Users should register into this system, and there are 2 types of survey can be chosen: normal survey which contains questions with answers yes or no, multiple choice questions, and subjective questions; regression survey which contains questions like IQ testing questions, each have different levels to be chosen, this kind of survey also allow the users to specify the categories of questions in the questionnaire. When the user chooses the category of the survey and set the questions on the system, the questionnaire will be put on the webpage of the system, other visitors and users can help answer the questionnaire, the data will be collected before the due date, after that the system will analyze the results of each questionnaire, come out will an analysis report. For normal survey, the report consists of charts and questionnaire report. For the regression survey, other than the charts and questionnaire report, there will be a report contains the means of each question and category the users set (of the user sets the categories of the questions in the questionnaire). The users can view these reports from the system after the analysis, and also the system will send an email append these analysis reports.