Applying the Use Case Points Effort Estimation Technique to Avionics Systems

The paper talks about the importance of estimating effort in project management, there are serval techniques to estimating effort in project like Function Points Analysis (FPA), the paper talked about its five processing steps and how to give points to calculate the degree of impact software functions and their weight from 0 to 5, and the calculation of productivity and cost and viewed its advantages and disadvantages. And like Use Case Points Technique method

Stamping steps display these steps also (7 steps).

The paper presents a case study for aerial photographs of territory recognition, environmental and agricultural monitoring, the Brazilian federal government is spending resources to build the USA project

The importance of an estimated automated tool lies in helping managers anticipate cost and effort and make certain decisions, such as product delivery dates, productivity and team size.

The EPCU tool is based on the Use Case Point Technique.

The information is required to perform estimation using the EPCU tool are actors, use cases, number of members, regarding the development team and members involvement time.

UCP Estimation Technique is illustrated and displayed its steps and displayed the results.

The main contribution of this paper was to provide an acceptable estimate of programs for the development of the avionics system and the integration of the case studies of the UAS project. And develop a UCP-based software tool.