



which means that the system is acceptable to be used in the real environment by all end users.



Fig. 1: Input – Process – Output Flow Diagram.

#### IV. METHODOLOGY

The proponents used the developmental research for the software development and design of the system. On the other hand, descriptive method of research was used in the evaluation [8] of the system. The respondents who evaluated the system were the five (5) personnel of the Cadiz City Environmental and Natural Resources Office, two (2) IT specialists and three (3) clerks from the solid waste management office. The proponents installed the SWMS in the computers and trained the personnel assigned at the solid waste management office in Cadiz City. The data were collected and gathered [5]. The instrument used to evaluate the efficiency, functionality and the acceptability was the validated and reliability tested researcher made questionnaire.

#### V. RESULTS AND DISCUSSION

The performance efficiency of the system was rated 4.83 and interpreted as very good. This is an indication of the responsiveness of the system to execute specific actions in a given time interval. On the other hand, functionality of the system was rated 5.0 and interpreted as very good. This indicates that the system provides the functions that meets the specific requirements of Cadiz City and the acceptability of the system was rated 5.0 and interpreted as very good. The system was accepted and met all the requirements [6] needed by Cadiz City Solid Waste Management office. The overall average means 4.9 and interpreted as very good which means that the consistency of the responses shows that the development and implementation of the SWMS meets the users' specified requirements for Cadiz City.

#### VI. CONCLUSION AND RECOMMENDATION

The deployment of the SWMS became smooth and easy because the performance efficiency and functionality of the system met the needs of the Cadiz City Solid Waste Management Office. Hence, the system was used and fully accepted. It is recommended that the Solid Waste Management System Office be implemented or deployed in all LGUs in Negros Occidental.

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