

I. Related Literature

According to **Earley Peter 2008**, the article entitled “**The Measurement of Faculty Workload**” states that before deciding the procedure’s measurement, it is necessary to identify first what is being measured. To measure a faculty workload, the team needs to know what are the activities that needs to be included and those who are excluded. Similarly, the proposed system of the developers had indicated the important criteria (Specialization, History of Teachings, Special Cases, Rules, Online Teaching Evaluation and Availability) as the basis on loading the faculty schedule. Identifying the primary factors to consider would minimize the conflicts on generating loading schedules among the faculty members. ^[5]

II. Related Studies

Foreign Studies

Based on **Southern California Community College (2012)**, their college has used a Business Analytics tool called Cognos for their faculty and student scheduling management system. It was designed by Irvine, a CA-base professional services firm Analytics. The college’s scheduling system takes 3 months to consolidate everything. All information about the faculty and its students are compiled in an Information System. ^[4]

The **Cognos-based faculty and student scheduling management system (2012)**, will be similar to the proposed system, wherein checking of faculty members’ information are to be input. This analytics tool can carefully match specific criteria to each faculty member. It will yield to a result wherein a faculty member is most suitable to teach a specific subject. But this Cognos-based

faculty and student scheduling management system allows faculty members and students to view the information in it. The system to be developed by system developers proposes that only the Program Head can have the privilege to view, edit and update the tool to be used. ^[4] Also, the proposed system (Enhanced Faculty Loading System) will use MS Excel as the business analytics tool.

The system to be developed is quite similar to the **Schedule System of Los Angeles College (2013) and Long Beach City College (2012)**, whereas information about the faculty members can be seen in the information system. Inputs like faculty availability, faculty specialization, faculty OTE rating and etc., will be viewed by the Program Head. ^[4]

Based on the **Appointment Scheduling System of Graysail 2010**, the core functionality of their system allows the designation faculty member to set their schedules availability and allows the individuals to enter the system in order for them to schedule their appointments as needed with the faculty or staff. Whereas the proposed system of the developers is likely the same when it comes on allowing the faculty members to set their availability. However, the Appointment Scheduling of Graysail 2010 allows the faculty member to have a direct access into the system while the proposed system of the developers only allows the Program Head to have an access. Setting of availability is being done by having a consultation to the Program Head as the admin of the proposed system of the developers. ^[4]

Local Studies

Based on **Bohol island State University (2012-2013)**, a study was conducted to test all functionalities of an Automated Class Scheduling System in terms of design, accuracy, security,

stability and adaptability in making class schedules. Six educationists who specializes in computer programming, verified and evaluate its programs functionalities. ^[4]

The **Automated Class Scheduling System of Bohol island state University in the year 2012-2013**, is similar to the proposed system because the Faculty Loading System also targets to test and evaluate its design, accuracy and security. The difference in this system is that the schedule is per class. The developers will develop a Faculty Loading System that will evaluate such features like their Automated Class Scheduling System. ^[4]

According to **Schedules of Professors of Ma. Charisse Ferrer**, the Dean office of the Immaculate Heart of Mary College (IHMC) Paranaque uses a Manual System in facilitating the schedules of the professors. Based on their studies about the complications caused by having a manual system, they came up to a proposed system that will focus on improving the manual records of IHMC. They will also provide a secured, reliable and efficient website that will assign the faculties in their designating rooms and schedules. The Dean and Program Head are the only ones who will have an access on the system. Similarly, the developers also want to improve the manual process of scheduling assignment at Asia Pacific College by creating a faculty loading module that is controlled and flexible using some data from its Flavio Module. The proposed system is likely the same as the IHMC because it only allows the Program Head to have an access on editing and deleting data inside the system. ^[6]