CHAPTER 1

INTRODUCTION

1.1 Introduction

The final examination students of invigilator system at UMP are includes to a few staff to be prepared of invigilator system duties that follows by Academic Management Division. Invigilation’s duties of all staff try to spread by the Academic Management Division. Invigilation duties are a set of requirement they have.

Examination in invigilator system is preparing for challenging the task has always been in it. The numerous factors of the invigilator system is getting for the invigilation committee consideration. The invigilator system such as lecturers do marking ensuring for duties assigned and their own subjects do not invigilate for lecturers.

In the literature review, the problem of the paper examination timetable is discussing and the problem is found. The educational examination of timetabling problem such as the room and timeslot of system exams does not finish here. The exam-timeslot of the room timetable has generated for the institution normally after. For the literature review in this timeslots and rooms from the research found involves assigning exams.

Problem of the invigilator is no datasets are available as due to the fact from the research community based on UMP. It is less attention. No dataset are available is dataset contains in this invigilator for modeled before and discussed.

Invigilator system is significant of capable minimizing in the development. The invigilation schedules have time spent and involvement on the preparation based on committee. In the producer of process an invigilation schedules such as reliability,
ensures consistency and continuity for the future semesters. The Final Examination Unit of the management of UMP has full control over the final examination to be able based in Academic Management Division.

In examination of operation room is the alterations of the number will be greatly reduced the invigilators of final using list. The constraints of optimized for the lecturers preferences with made of the number and controlled of the data. Furthermore, the system is a standalone develops by using the several of software such as XAMP, PHP, MYSQL, Adobe Dreamweaver, Apache and web server.

1.2 Problem Statement

Invigilator system for UMP examination is challenging task due to a number of factors that cannot be avoided. Factors of a number is cannot to be avoided during due the task of challenging. An invigilators are not satisfied with their schedule and they would like a better invigilator system because they feel that the division of duty with them during the time of exams is unfair. The think this work is burden them. Another reason is the number of invigilation’s duties between the gaps between is not satisfied.

Invigilator system is the second problems statements of UMP. During the draft preparation for timeslot of the one room or more than are assigned in this problems. The draft of timetabling in manually invigilators is the time to look for invigilators .The invigilators will be a lot of constraints time and room that have to be guarded invigilators out before the last draft.

The invigilators is an assigning to examination rooms for involved the third problems. This problem has received because it less attention than examination timetabling problem. No data sets are available from the research in the literature review.

The maximum number of invigilation duties based on invigilators exceed is the another problem statement in invigilator system. At least two or three day gap should be in scheduling invigilator refer to suggestion from them.
1.3 Objectives

i. To study the examination problem based in invigilator system for UMP.

ii. To develop a system based of invigilator system problem on the UMP examination requirement.

iii. To implement the graph colouring hyper heuristic of method in invigilator system.

1.4 Scope

i. Investigation of the graph colouring hyper heuristic of method.

ii. In the academic management division must only one user can control, monitor and initiate the invigilator system such as examination timetable.

iii. The system is a standalone develops by using the several of software such as XAMP, PHP, MYSQL, Adobe Dreamweaver, Apache and web server.

1.5 Project Significance

From this system will be going to help the Academic Management Division in the part segregation of duties in invigilator system. This result of this system will be given to the invigilator are satisfied. Thus, this can improve the invigilator are happy in their duties.