A Project Report on

#### **Course Information Monitoring System**

Submitted in partial fulfillment of requirement

for the award of the degree

##### **MASTER of COMPUTER APPLICATIONS**

Of

###### Visvesvaraya Technological University

By

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**2015**

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**C E R T I F I C A T E**

This is to certify that the project entitled **“Course Information Monitoring System”** is a bonafide work carried out by **Abhijith B.S. 1PI13MCA01 & Joshua Fernandes 1PI13MCA31** submitted in partial fulfillment of the requirement of Fourth semester course work of MCA during the academic session Jan-May 2015.

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**DECLARATION**

We **Abhijith B. S.** bearing University seat number **1PI13MCA01** and **Joshua Fernandes** bearing University Seat Number **1PI13MCA31** of 4th Semester, PESIT, hereby declare that the project entitled **“Course Information Monitoring System”** has been carried out by us under the supervision of Project Guide **Lolika Padmanabhan,** Assistant Professor, Department Of MCA, PES Institute Of Technology, Bangalore is to be submitted in partial requirements for the award of the Degree Of Master Of Computer Applications by **Visvesvaraya Technological University** during the academic year 2015. This report has been not submitted to any other organization/university for any award or degree certificate.

**Date:**

**Place: Bangalore Student 1**

**Date:**

**Place: Bangalore Student 2**

**ACKNOWLEDGEMENT**

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**ABSTRACT**

The Course Information Management System(CIMS) will provide the head of Department, teachers and students an online application that will allow them to track the workflow of the syllabus. It will provide teachers and students with information on how much of the course has been completed and how much is left. It will be driven by three interfaces; one for the head of the department, who will be able to keep of track of every subject and teacher and how much progression has been made. A second interface for teachers to update and keep track of how much of the syllabus is complete, and a third interface for students to check how much is completed based on which semester they are in.

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# Introduction

## Purpose

The Course Management System(CMS) is a system which integrates itself with the educational department, automating the task of monitoring the progress carried out by the faculties and staff and helps the head of the department monitor the progress and help him/her make decisions and evaluate the staff performance.

## Product Perspective

The product to be developed is a first of its kind,envisioned and required by the department to help monitor the faculties progress which was not possible manually and was unfeasible to do manually.

This product is a self-contained and can be extended further to provided new services to the department.

This SRS describes the requirements of the system as a whole and each of the services provided by the product.

It also lists the interfaces to be implemented and their inter-connections.

## Product Functions

It will be driven by three interfaces;

1. One for the head of the department, who will be able to keep of track of every subject and teacher and how much progression has been made.
2. A second interface for teachers to update and keep track of how much of the syllabus is complete.
3. Third interface for students to check how much is completed based on which semester they are in.
4. It provides a facility for the faculties to publish notifications for the students, like the assignments and their deadlines.

## User Classes and Characteristics

**HOD-** this type of user will be able to track the progress of the faculties and run queries and generate report against the DB

**Faculty-** This type of user will be able to add/update/edit the chapters and units completed and publish notifications for the students.

**Students-** This type of user will be able to see the state of the completion of the Course topics.

# REQUIREMENTS ANALYSIS

## Operating Environment

Apache Server, Linux OS, mySQL DB

## Design and Implementation Constraints

1. GUI is only in English.
2. Login and password is used for the identification of users.
3. Only registered Faculties and HOD will be authorized to use the services to add and edit.
4. Any student will be able to view only.
5. Limited to HTTP/HTTPS.
6. This system works on single server.

## User Documentation

The Documentation of the project and the manual will be provided with the software along with the deployment.

## Assumptions and Dependencies

The project assumes that the faculties will maintain up-to-date information about the course progress that they make.

The project depends on the Apache server and the server up time to make the resource available 99.9%

# SOFTWARE REQUIREMENTS SPECIFICATION

## Users

* + 1. **Head Of the Department**

Allow the hod to select faculty member that will display overall progress of the teacher with respect to every subject. In the same interface will allow them to select a semester along with the subject to keep track of specific subject. Will also include a button to refresh the database for the next semester. An additional interface for the hod will provide a view of the test portion for each semester with respect to the test number.

* + 1. **Faculty**

Will present the faculty member with its overall report in the first page, along with the ability to either add a new subject, edit a subject, update current date’s progress, set test portions or select particular semester/subject.

The Add new subject will allow the faculty the ability to add a subject based on semester and subject name and provide texts boxes with chapter name and number of hours.

The edit a subject will allow the faculty to edit either the number of hours or the chapter description along with feature to add more chapters or delete existing ones.

The update current date’s progress will allow them to update what chapter was completed today and how many hours was taken for which semester/subject.

Set test portions will allow them to select chapter from a list of completed portions to include in a particular test.

Selecting a particular semester/subject will provide them a view of their current progress; by generating reports of how much time has passed and how much progress has been made.

* + 1. **Student**

Students will be able to enter their semester and track all the subjects progress and view Test portions for the subject if available.