

PDPM Indian Institute of Information Technology Design & Manufacturing,
Jabalpur.

Project Documentation

CS203-Design and Analysis of Database Management System

Instructor- Dr. Pritee Khanna



by

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Overview

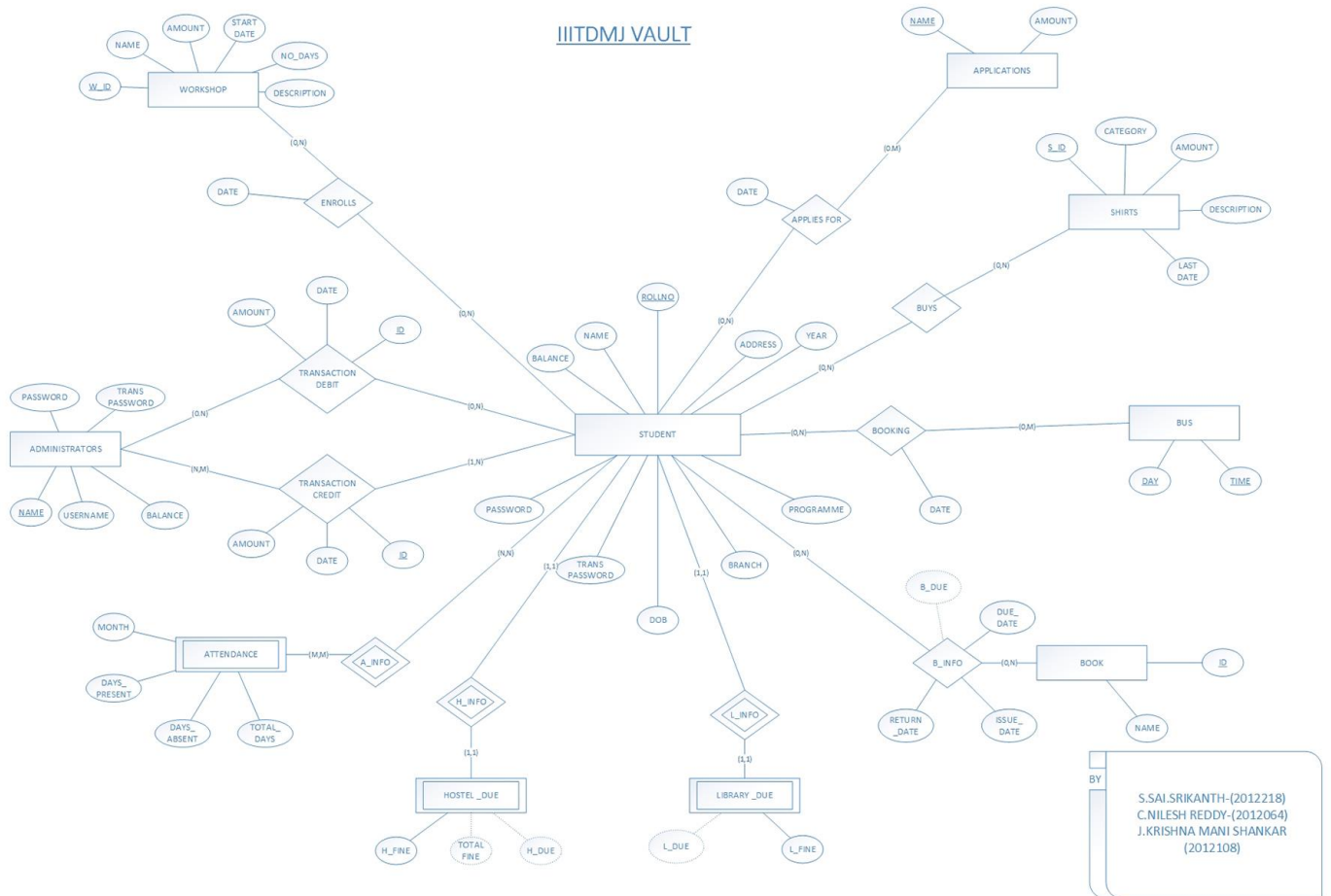
- IIITDMJ Vault is an intranet banking project which can be implemented successfully in our college.
- It contains seven admins. Each of them has an account.
 1. Main Admin:- Who controls every thing.
 2. Librarian:-Enters book dues and fine to be paid by students.
 3. Bus Conductor:-Can see who booked for upcoming buses.
 4. Care Taker:-Enters hostel fine to be paid by students.
 5. Workshop:-Enters the upcoming workshops information.
 6. Shirts:-Enters the shirts information for upcoming fests.
 7. ACAD:-To whom we can pay for Application forms.
- Next comes the students who can pay for the respective Categories(admins) mentioned above.
- As a security issue we restricted the transfer of money from one student to another student.
- At the end of the day admin can see all the transactions that took place on that day and clears the amount to be paid to respective admins by paying them manually.
- It includes various options for students to enroll for a workshop, booking a bus ticket, buying shirts for the fests, paying the dues of

hostel and library.

- To provide security each student is also provided with transaction password which he/she is supposed to enter in order to successfully complete a transaction.
- If a student has no balance then he/she is not allowed to make any transaction until his/her account is again refilled.

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2. Relational Schema of the project.
3. Introduction.
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ER Diagram of IIITDMJ Vault

Relational Schema of IIITDMJ Vault

account(name, password, bal)

app(id, rollno, fora, reason, date, category, phone_no, room_no, Hall)

attendance(ROLLNO, MONTH, P_DAYS, T_DAYS, DUE, PAID)

book(id, rollno, bid, amount, date)

book_due(rollno, due)

book_info(rollno, bid, bname, issuedate, duedate, returndate, due)

bus(ROLLNO, DATE, TIME)

hostel(ROLLNO, MONTH, AMOUNT, DATE)

hosteldue(ROLLNO, H_FINE, H_DUE)

shirts(SHIRT_ID, LAST_DATE, IMG_ID, AMOUNT)

shirts_booked(SHIRT_ID, ROLLNO, DATE)

students(ROLLNO, NAME, DOB, BRANCH, PROGRAMME, YEAR, BALANCE, PASSWORD, TRANS_PASSWORD)

trans(id, rollno, name, toa, date, amount)

workshops(W_ID, W_NAME, BEGIN_DATE, LAST_DATE, AMOUNT, DESCRIPTION)

workshop_enrolled(W_ID, ROLLNO, DATE)

INTRODUCTION

Vault is just a safe to store and spend money for various instances in college. It provides an easy route for students to clear their dues, register for workshops etc,.

HOW IT WORKS?

Every student is provided with their respective account. When a student login to their account, it displays available balance, hostel dues, library dues in the home. Clicking on the respective button they will be redirected to the respective page showing more information. If student wants to pay then he has to click on the pay button, then he will be redirected to the transaction page in which he has to enter his transaction password to make the transaction successful. Detailed information of how it works is provided in the next section along with the screenshots.

Student Portal -

A Student need to Login Through his Respective Account and is directed to login check page where if the entered details are correct then he is redirected to home page.

If the student enters Wrong details then he is asked to enter his details again.

In the Home page Student can pay his library and hostel dues, Book bus ticket, enroll for workshops, apply for applications and buy shirts .

He can also view his profile, Change Password, view last transactions and Available balance.

In the library due section he can view his issued books and can clear dues for the books he had returned but can see his present total due.

In the hostel fine section he can view his attendance and due for respective month and clear total fine.

In the Workshops section he can view his previous enrolled workshops and can also apply for workshops .He cannot apply for the same workshop twice.

In the Shirts section he can view his previous bookings and buy the T-shirts available .He cannot buy a Shirt twice.

In the Bus section he can book bus ticket for that day and select the timing .He cannot book a ticket twice for that day.

In the Applications Section he can apply for applications entering his details and also view applied application forms.

Admin Portal –

There are Seven Admins, each are directed to their respective pages when they login with their account.

The main Admin Can view all transactions for that day and also separately for each admin (library, hostel, acad, ...).

The Librarian, ACAD, Conductor, can view transactions paid to him.

The admin of Hostel, Workshops and Shirts can View his transactions and also add an Workshop or shirt, hostel admin inserts the attendance of students for the month .

Screenshots

Login page-



Student Login

or [Admin Login](#)

Sign in

Login error-




Unknown user or password incorrect.

Student Login

or [Admin Login](#)


Sign in


Home-





FAQsSignOut


Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Balance : RS.4814

Library

Know Your Library Info And Pay Dues
Library DUE :Rs.51

More

Hostel

Know Your Hostel Attendance,Dues And Pay Dues
HOSTEL DUE :Rs.0
HOSTEL FINE : Rs.0

More

Bus

Book Your Bus Tickets For Today

More

Buy Shirts

Buy Your T-Shirts Here

More

Workshops

Check and Enroll For On Going Workshops In the Institute.


More

Academic

Apply For Bonafide,and Pay the Amount Here

More

Profile-



FAQsSignOut

Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Personal Information

Full Name:

Abbadasari Prateesh

Date of Birth

1993-08-15

Roll No

2012005

Discipline

BTECH

Year


2012

Balance


4814

Father's Name


Abbadasari rajesh





Account-





Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Account Information


Available BalanceRs. 4814

Last 5 Transactions

2014-05-05	lib	lib_due	Rs.1
2014-05-05	ACAD	App ID No7	Rs.50
2014-05-05	HOSTEL	Hostel_dues	Rs.125
2014-05-05	shirts	Abhikalpan2014	Rs.250
2014-05-05	workshop	Cadence Workshop	Rs.1500

More Info

Change password-





Welc


FAQs


SignOut


You have gone full screen. [Exit full screen \(F11\)](#)sh

Home

Profile

Account

Change Password

Sign Out

Current Password*


New Password*

Retype New Password*

Change Password


is my name is dont no


Book Due-





FAQsSignOut


Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Balance : RS.4814


The Book Dues are -

Book ID	Book Name	Issue Date	Due Date	Return Date	Due
128489	swamy vivekanda life	2014-04-10	2014-04-23		13
145952	basics of electricla engineering	2014-04-10	2014-04-23		13
147852	Fundamentals of computing	2014-04-14	2014-04-30		6
147855	Fundamentals of computing	2014-04-14	2014-04-30		6
168444	elecrical design	2014-04-14	2014-04-30		6
175744	c language basics	2014-04-10	2014-04-23		13

Total Due:57
Payable Due:0


paydue


Enter Transaction Password-





FAQsSignOut


Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Balance : RS.4814


Roll No2012005

AmountRs.0

Trans Password


payback


Hostel due-





Welcome Abbadasari Prateesh


[FAQs](#)[SignOut](#)

 Home

 Profile

 Account

 Change Password

 Sign Out

Balance : RS.4814

HOSTEL attendance Info

Month	Total No. of Days	No. of Days Absent	No. of Days Present	DUE	PAID
1	31	30	1	25	YES
4	30	26	4	100	YES
			TOTAL DUES	0	

Pay Dues

Bus booking-



Welcome **Abbadasari Prateesh**

FAQs

[SignOut](#)[View Previous Booking Details](#)

[Home](#)



Profile

Account



Change Password



Sign Out

Bus Booking

Time 3:40 pm ▾


2:30 pm

3:40 pm

5:15 pm


6:30 pm


Buy shirts-





FAQsSignOut


Welcome Abbadasari Prateesh

Home

Profile


Account

Change Password

Sign Out

Balance : RS.4814


Abhikalpan2014



Pay

Back

View ongoing Workshops-



FAQsSignOut

Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password


Sign Out

Balance : RS.4814

View Your Enrolled Details

Workshop ID	Workshop Name	BeginDate	LastDate	Amount
7	Cadence Workshop	2014-03-01	2014-06-01	1500
70	leading edge theories and practices in design	2014-05-01	2014-06-01	1000
200	Android	2014-05-14	2014-05-09	950
1100	A workshop on MATLAB for Engineering computations	2014-03-01	2014-06-10	500
1212	Photography Workshops	2014-04-01	2014-06-11	1500
1598	Embedded systems	2014-04-01	2014-06-30	1200

Apply Applications-

Welcome Abbadasari Prateesh

Home

Profile

Account

Change Password

Sign Out

Balance : RS.4814

Application Form

Application For*

Reason*

Roll No

Name

Fathers Name

Year

Branch

Programme

Category*

Phone No*

Room NO*

Hall*

Date

Application For

Reason

2012005

Abbadasari Prateesh

Abbadasari rajesh

2012

ECE

BTECH

Category

Phone No

Room No

Hall

06/05/2014

submit

view previous applications

Signout-




You Have Succesfully Logged Out.

Student Login

or [Admin Login](#)

Sign in

Admin Home-



Welcome Admin

[FAQs](#)[SignOut](#)

view transactions

library

hostel


bus

workshops

shirts

applications

Add new Shirt-



Welcome

[FAQs](#)

[SignOut](#)

Shirt ID*

LastDate*

yyyy-mm-dd


Image ID*

Amount*

Proceed

Back

Hostel admin home-



Welcome

[FAQs](#)[SignOut](#)

[Click here to insert attendance](#)

Today's Payment Details are Details are -

DATE	MONTH	ROLLNO	NAME
------	-------	--------	------

If u want to know to know previous booking on dates

Date of Due Payment Day Month Year

Select workshops-



Welcome

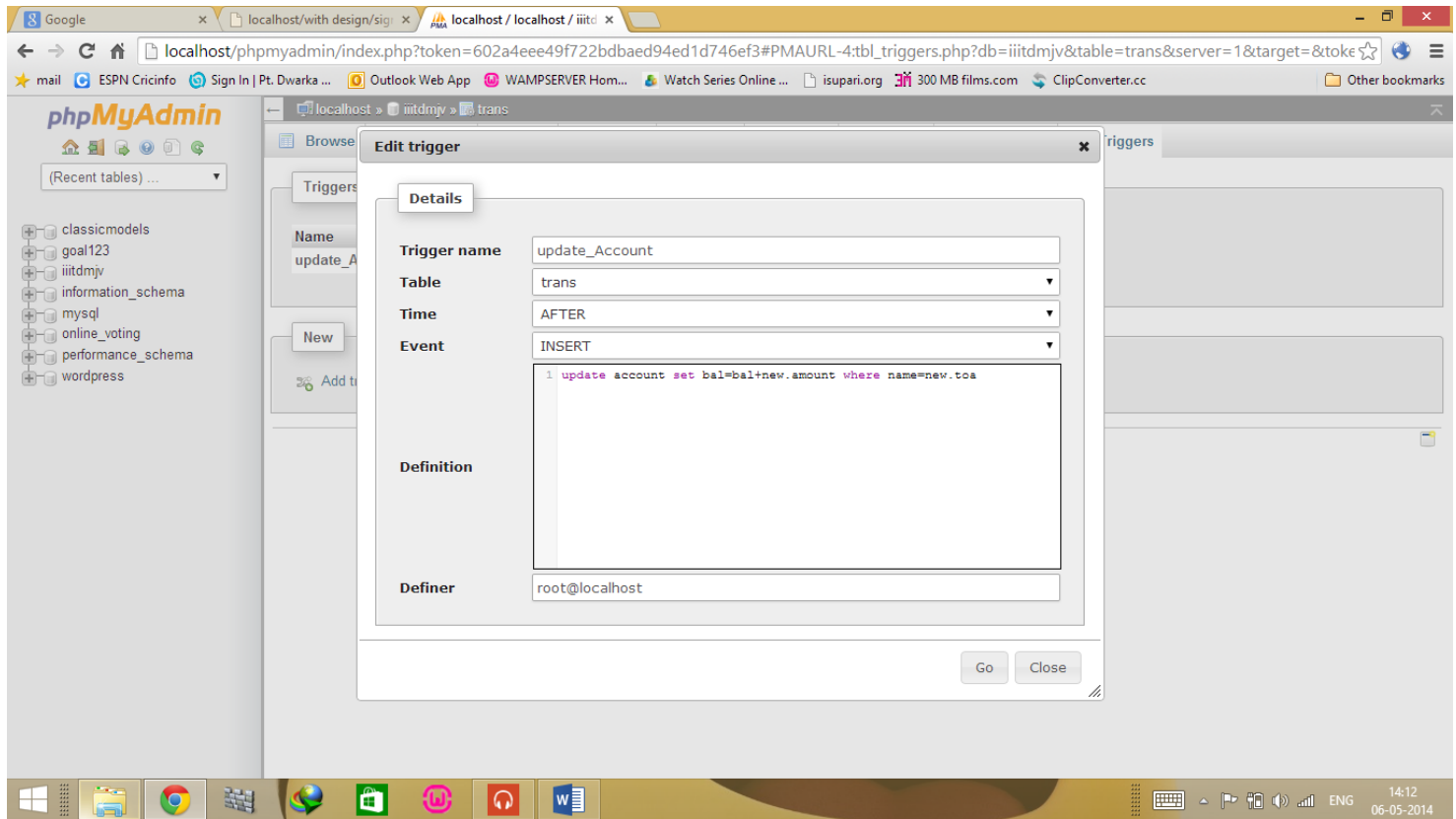
[FAQs](#)

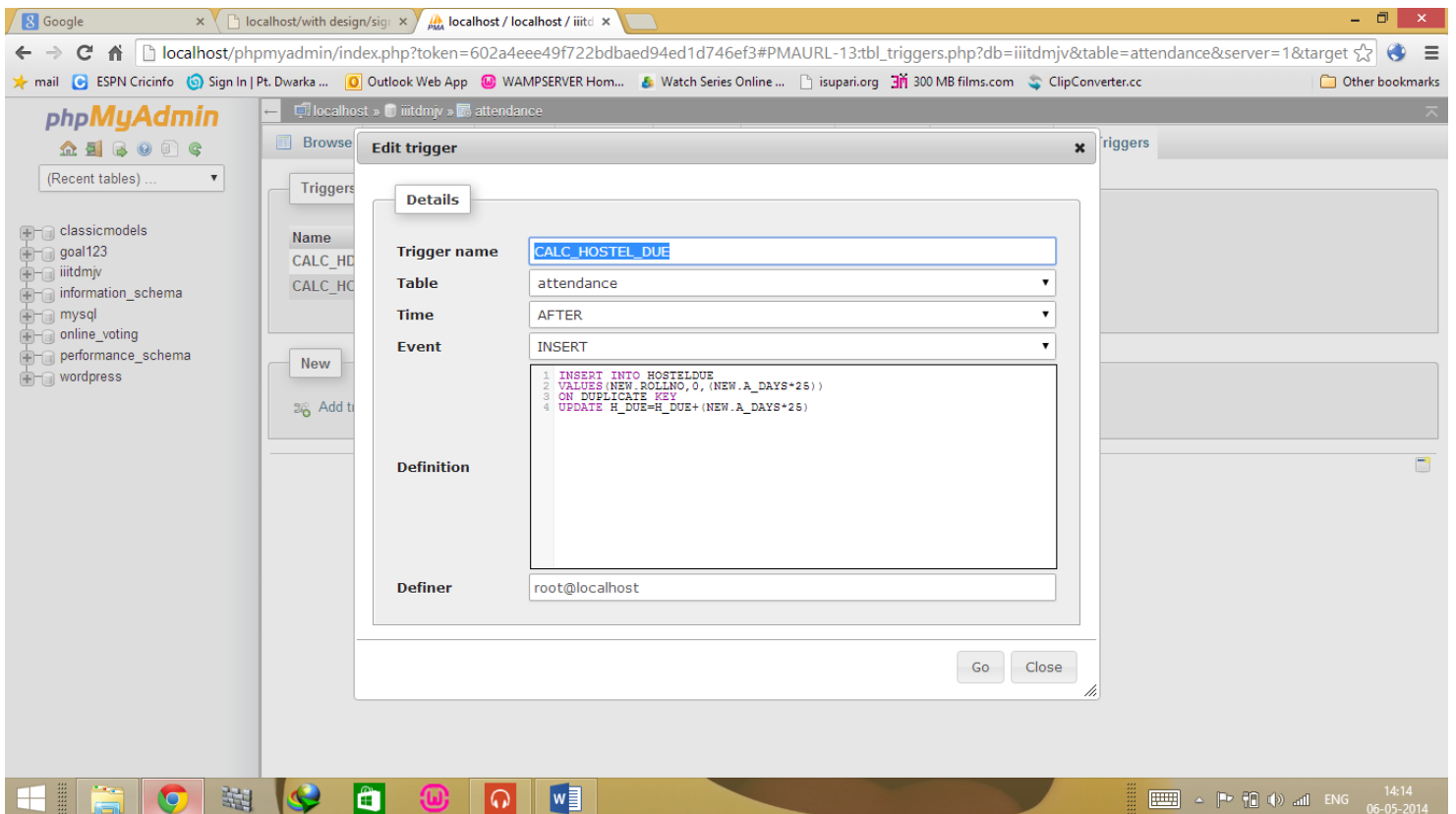
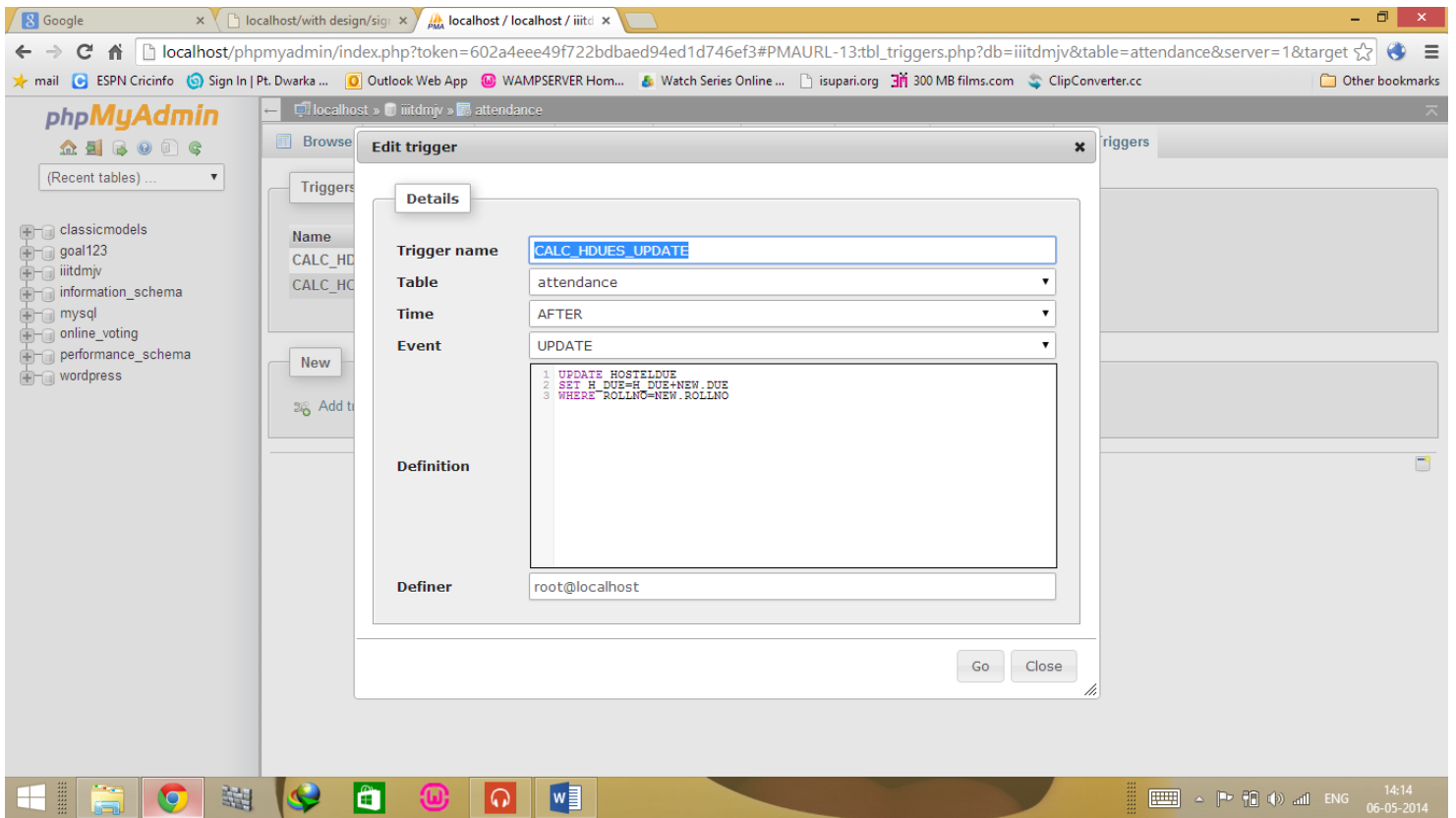
[SignOut](#)

- Select Workshop ▾
- Select Workshop

Cadence Workshop
leading edge theories and practices in design
Android
A workshop on MATLAB for Engineering computations
Photography Workshops
Embedded systems

Triggers used:





Conclusion-

In Future many security issues can be added and can be implemented successfully in the college.