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**CHAPTER 1**

**INTRODUCTION**

* 1. **OVERVIEW**

**“VTU ANALYTICS”** isa query based web portal. It provides you the benefit of analyzing and getting detailed information of the individual or bulk result of the stundents of the university. User can explore with various options available at this site, which includes choice of graphs from multiple options, choice of region, choice of college, choice of individual or bulk result, etc.

Any person browsing through this site will get information about any of the student or college results performance.This site is designed with optimum user interface which ensures easy use for all types of user.

* 1. **PROBLEM STATEMENT**

Online Result announcement has become a trend in many universities, the university provides the result in their websites after the end of each semester of the respective courses handled by the university. Website Developers use this data provided by the University either to promote their website or to earn or to lower the traffic in the university website.

All this websites allows the visitor to view his individual result, these websites don’t give us a detailed analysis of the result of a particular college/Department/Region.

This types of website are only limited to the students. Many such websites concentrate, mainly on providing notes, resources which might prove helpful for the students.

Our focus is mainly on providing bulk results as well as display of results graphically as well as statically in the form of tables with calculated percentage.

**CHAPTER 2**

**LITERATURE SURVEY**

**2.1 OVERVIEW OF THE PROJECT**

**“VTU ANALYTICS”** is a website where we have used ADOBE DREAMWEAVER as frontend and MYSQL SERVER as backend. In which we can get online detailed information about the performance of the student’s or college result. There is dropdown menu from which we can select whether a user wants individual or bulk result. There is also an option of viewing the results of the desired students of particular department / colleges of the particular region.

**"VTU ANALYTICS"** is an exceptional and impulsive tool for Colleges, which provides a complete and detailed result breakdown in form of charts, graphs and tables.

**“VTU ANALYTICS”** isa query based web portal. Itis platform independent and can be accessed on any of the browsers. Shows single or bulk results. It can search the result of the student name –wise or USN-wise. Reports can be produced based on multiple dimensions such as Branch, Semester, Subject etc. Shows the graphical based statistics of the students result based on the performance in each subject. Multiple Graphs output is supported by the portal. Access to previous archived students results.

**CHAPTER 3**

**FEASIBILITY STUDY**

**3.1 EXISTING SYSTEM**

The current system of Visvesvaraya Technological University producing results provides basic result layout which is very limited to displaying result of particular Student, result with limited information without any wide range analytics of multiple results and other meaningful queries. However many sites do provide the resources related to the University like notes, news updates etc.

In the existing web portal, we can view only individual results which proves helpful only in some dimensions.

**3.2 PROPOSED SYSTEM**

**"VTU ANALYTICS"** is an exceptional and impulsive tool for Colleges, which provides a complete and detailed Result breakdown in form of charts, graphs and tables.

* **VTU ANALYTICS"** is an exceptional and impulsive tool for Colleges, which provides a complete and detailed Result breakdown in form of charts, graphs and tables.
* **“VTU ANALYTICS”** isa query based web portal.
* **“VTU ANALYTICS”** is platform independent and can be accessed on any of the browsers.
* Shows single or bulk results.
* It can search the result of the student name-wise.
* Reports can be produced based on multiple dimensions such as Branch, Semester, Subject etc.
* Shows the graphical based statistics of the students result based on the performance in each subject.
* Shows the average performance of students in a particular subject.
* Shows the aggregate percentage of a student who has appeared in the exam till date during his/her academic career.
* Multiple Graphs output
* Access to previous archived students results.

#### 3.3 SYSTEM FEASIBILITY

Figure 1. Feasibility study

Feasibility study is made to see if the project on completion will serve the purpose of the providing bulk results for the colleges, students or departments that are in a particular region. Feasibility study lets the developer foresee the future of the project and the usefulness among students and staff members of various colleges.

The document provide the feasibility of the project that is being designed and lists various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibilities. The following are its features:

#### 3.3.1 Technical Feasibility

The system was evaluated from the technical point of view first. The assessment of this feasibility is based on an outline design of the system requirement in the terms of input, output, programs and procedures. Having identified the outline system, the investigation was carried further with the type of software’s available for designing and coding, required procedures and algorithms developing the system, of running the system once it was designed.

The necessary functions and performance are achieved within the constraints by using the advanced and complex algorithms. The project is developed within latest software’s such as PHP designer and ADOBE Dreamweaver CS5. The system has been developed using PHP and MySQL. The project is technically feasible for development.

#### 3.3.2 Economic Feasibility

The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which affect the development of a new system, is the cost it would require.

The following are some of the important financial questions asked during preliminary investigation:

* The costs conduct a full system investigation.
* The cost of the hardware and software.

Since the system is developed as part of project work, there is no manual cost to spend for the proposed system. Also all the resources are already available, it give an indication of the system is economically possible for development.

#### 3.3.3 Operational Feasibility

The project would be beneficial because it will satisfy the objectives when developed and installed. All behavioral aspects are considered carefully and conclude that the project is behaviorally feasible.

**CHAPTER 4**

**SYSTEM ANALYSIS**

**4.1 STUDY OF EXISTING SYSTEM**

The current system of Visvesvaraya Technological University producing results provides basic result layout which is very limited to displaying result of particular Student, result with limited information without any wide range analytics of multiple results and other meaningful queries. However many sites do provide the resources related to the University like notes, news updates etc.

In the existing web portal, we can view only individual results which proves helpful only in some dimensions.

**4.2 PROBLEMS AND WEAKNESS OF EXISTING SYSTEM**

* The result displayed on Visvesvaraya Technological University website only provides individual result.
* The result displayed cannot be viewed in graphical or chart form for any of the results.
* Bulk results are not provided on Visvesvaraya Technological University website.
* Class ranking also cannot be seen for particular department.
* Topper in every subject cannot be viewed for particular subject.
* Grade distribution over each class cannot be viewed.
* Total number of colleges or their details affiliated to VTU cannot be viewed.
* Result cannot be searched by name or college-name wise.
* College distribution over each region also cannot be viewed.

**4.3 SCOPE OF THE SYSTEM**

* Online portal will help students studying under vtu as well as faculty members to use this websites' features like.. fetching solo or bulk results
* Visitor can view the overall results of individual colleges
* Companies can view the best college performance which can prove to be helpful for campus recruitments
* Results can be viewed statistically as well as graphically.
* Faculty can view the results of the subjects handled by them
* Save time
* Provides user friendly interface which helps user and administrator both to do their respective tasks with an ease

**4.4 SYSTEM REQUIREMENTS SPECIFICATIONS**

**4.4.1 SOFTWARE REQUIREMENTS**

**Operating System**  : Windows 2000/XP/7/VISTA, LINUX, MAC

**Languages**  : PHP, JavaScript

**Front End Tool** : PHP designer, HTML, jQuery UI, Adobe Dreamweaver

**Platform** : PHP

**Web Servers** : Apache HTTP Server

**Backend Tool**  : MySQL

**Browser Program**  : Opera /Internet explorer/Mozilla Firefox/Chrome

**4.4.2 HARDWARE REQUIREMENTS**

**Processor**  : Intel® Core™2 Duo or above.

**RAM**  : 1 GB

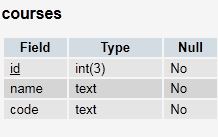
**Hard disk**  : 40 GB

**Connectivity** : Internet/Network

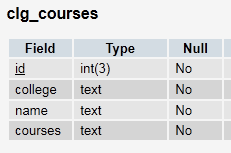
**Bandwidth** : 1Mbps or above

**4.5 DATA DICTIONARY**

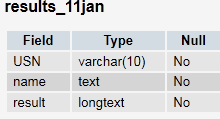
* **This table contains total courses offered by VTU.**

****

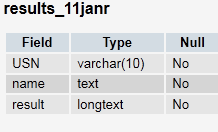
* **This table contains total courses offered by each college.**



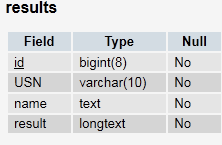
* **This table contains the firstly declared result.**

****

* **This table contains the revaluation results.**

****

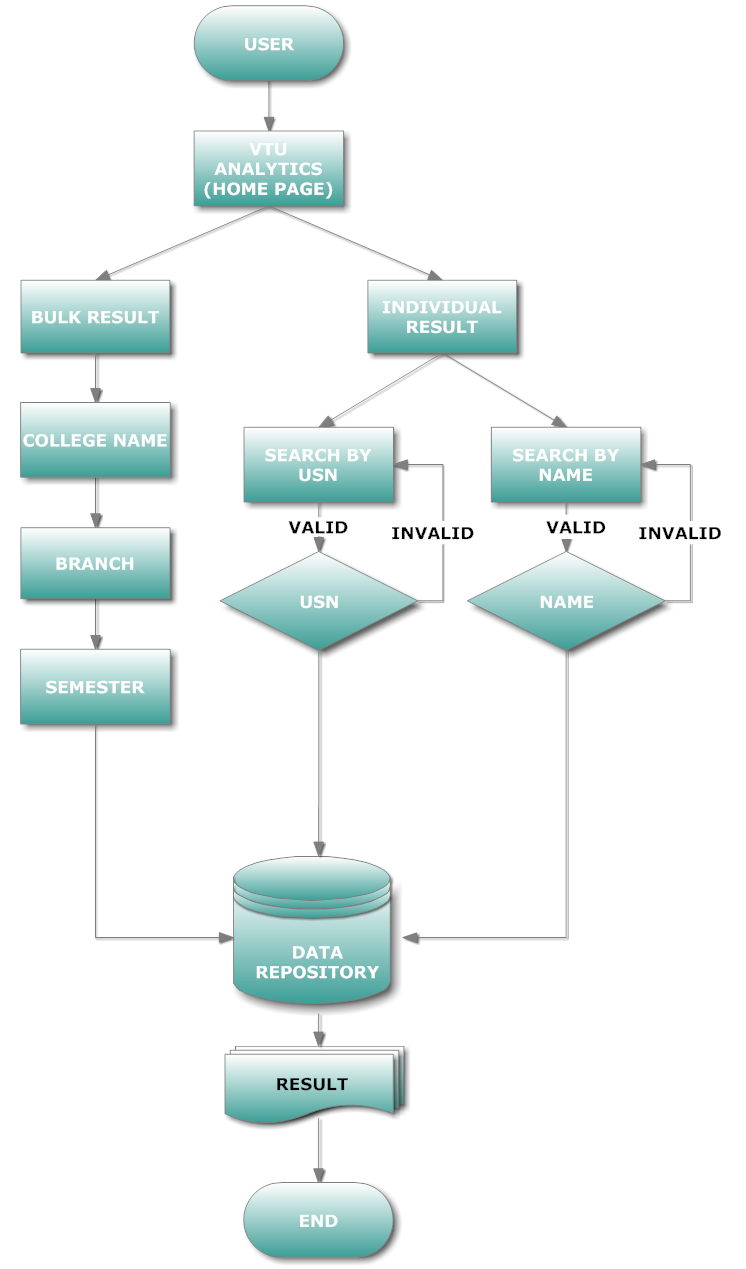
* **This table contains the old + revaluation result.**

****

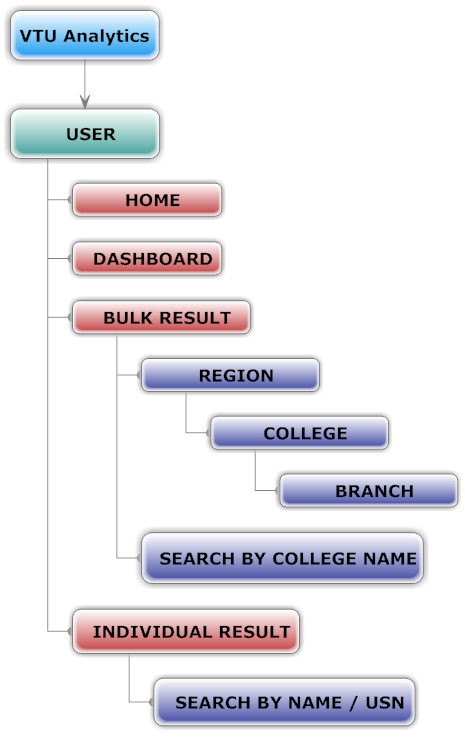
**ChAPTER 5**

**system design**

**5.1 FLOW DIAGRAM (USER)**

****

**Figure 1. Flow diagram (User)**

****

**Figure 2. Menu Tree**

**5.2 ACTIVITY DIAGRAM (USER)**

**USER**

**Figure 3. Activity Diagram of the user**

**5.3 ACTIVITY DIAGRAM (ADMIN)**

**Figure 4. Activity diagram of the admin**

**CHAPTER 6**

**IMPLEMENTATION**

1. Step 1:- Table creation

CREATE TABLE results\_11jan LIKE results;

CREATE TABLE results\_11jan\_temp LIKE results;

INSERT INTO results\_11jan\_temp SELECT \* FROM `results`;

INSERT INTO results\_11jan\_temp SELECT \* FROM `results\_prob`;

----- MERGING ----- MAIN

CREATE TABLE results\_11jan LIKE results;

# DELETE `id` ;)

insert into results\_11jan (USN,name,result)

select USN,name,result

from results

insert into results\_11jan (USN,name,result)

select USN,name,result

from results\_prob

----- MERGING -----

----- MERGING ----- REVAL

CREATE TABLE results\_11janR LIKE results;

# DELETE `id` ;)

insert into results\_11janR (USN,name,result)

select USN,name,result

from results\_11\_1\_reval

insert into results\_11janR (USN,name,result)

select USN,name,result

from results\_prob\_reval

----- MERGING -----

# iCutter Function for PHP 5.x - Snaps particular string from another STRING starting from X and ending at Y.

$CHKVER = stripos(phpversion(), "5.3"); // PHP version is checked.

if ($CHKVER === false) // After the version is checked the function snap is executed depending upon PHP version

{

function snap($start,$end,$string)

{

// For PHP <= 5.2

$search = array(stristr($string,$end),$start);

$snap = str\_ireplace($search,"",stristr($string,$start));

return $snap;

}

}

else

{

function snap($start,$end,$string)

{

// For PHP >= 5.3

$portion = str\_ireplace($start,'',stristr( stristr($string,$start ,false), $end,true));

return $portion;

}

}

Example:- This is an example of the page source result of student Studying in 5th sem.

1. Function for storing values to the ATTRIBUTES of a student.

Values will be stored for USN, NAME, SUBJECT, SUBJECT CODE, RESULT(‘P’ OR ‘F’), EXTERNAL MARKS, INTERNAL MARKS, TOTAL MARKS.

function Sub($string)

{

$subject = $string;

$sub = "|" . snap('<i>','</i>',$subject);

$sub = snap("|",'(',$sub);

$sub\_code = snap('(',')',$subject);

$Result = snap('<b>','</b>',$subject); //$Result will store 'P' OR 'F'

// Marks ( Internal, External, Total s)

//$cut = '|' . snap('<td width=60 align=center>','<b>',$subject) . '\_';

//$cut1 = snap('|','\_',$cut);

$cut = snap('<td width=60 align=center>','<b>',$subject);

$marks = explode('</td>',$cut);

$External = $marks[**0**];

$Internal = $marks[**1**];

$Total = $marks[**2**];

$res\_arr = array(

"subject"=>$sub,

"code"=>$sub\_code,

"result"=>$Result,

"external"=>$External,

"internal"=>$Internal,

"total"=>$Total);

if(stripos(implode('',$res\_arr), 'Semester') === false)

return $res\_arr;

else

return 'NotFound';

}

<TD width="513">

<B>B LAXMINARAYANA KAMATH (4km08is002) </B><br><br><br><br><hr><table><tr><td><b>Semester:</b></td><td><b>5</b></td><td></td><td> &nbsp;&nbsp;&nbsp;&nbsp;<b> Result:&nbsp;&nbsp;FIRST CLASS WITH DISTINCTION </b></td></tr></table><hr><table><tr><td width=250>Subject</td><td width=60 align=center>External </td><td width=60 align=center>Internal</td><td align=center width=60>Total</td><td align=center width=60>Result</td></tr><br><tr><td width=250><i>Software Engineering (06IS51)</i></td><td width=60 align=center>64</td><td width=60 align=center>25</td><td width=60 align=center>89</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Systems Software (06CS52)</i></td><td width=60 align=center>78</td><td width=60 align=center>25</td><td width=60 align=center>103</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Operating Systems (06CS53)</i></td><td width=60 align=center>65</td><td width=60 align=center>24</td><td width=60 align=center>89</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Database Management Systems (06CS54)</i></td><td width=60 align=center>61</td><td width=60 align=center>24</td><td width=60 align=center>85</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Computer Networks - I (06CS55)</i></td><td width=60 align=center>67</td><td width=60 align=center>25</td><td width=60 align=center>92</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Formal Languages & Automata Theory (06CS56)</i></td><td width=60 align=center>60</td><td width=60 align=center>25</td><td width=60 align=center>85</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Database Applications Laboratory (06CSL57)</i></td><td width=60 align=center>20</td><td width=60 align=center>25</td><td width=60 align=center>45</td><td width=60 align=center><b>P</b></td></tr><tr><td width=250><i>Algorithms Laboratory (06CSL58)</i></td><td width=60 align=center>26</td><td width=60 align=center>23</td><td width=60 align=center>49</td><td width=60 align=center><b>P</b></td></tr></table><br><br><table><tr><td></td><td></td><td>Total Marks:</td><td> 637 &nbsp;&nbsp;&nbsp; </td></tr></table> </TD></TR>

<TR>

<TD width="513">

**For example**:- If we want to fetch Subject code from this we find the subject name in the tags shown below.

//$subject = "<td width=250><i>Software Engineering (06IS51)</i></td><td width=60 align=center>37</td><td width=60 align=center>16</td><td width=60 align=center>53</td><td width=60 align=center><b>P</b></td></tr>";

//$subject = "<td width=250><i>Systems Software (06CS52)</i></td><td width=60 align=center>42</td><td width=60 align=center>15</td><td width=60 align=center>57</td><td width=60 align=center><b>P</b></td></tr>";

Step 1:- The subject name lies inside ‘(‘ & ‘)’ tag. So for fetching subject name the fuction call given is

$sub\_code = snap('(',')',$subject);

Step 2:- The fuction snap is called with three parameters '(', ')', $subject

function snap('(', ')',$subject)

{

$portion = str\_ireplace('(','',stristr( stristr($subject, '(' ,false), ')',true));

return $portion;

}

Step 3:- The second stristr Returns all of haystack from the first occurrence of ‘(‘ from ‘(06IS51)’. So now the value ‘06IS51)’ is passed into stristr function again. Again the stristr function returns all of haystack from the first occurrence of ‘)’ from ‘06IS51)’. Thus, the value will be now ‘06IS51’ which will be stored in $portion and will be returned.

Step 4:- The ‘$sub\_code’ variable now contains the value = ‘06IS51’.

* The function shown below will merge the old result and revaluation result.

function SubR($string)

* While debugging the program code the following function is used.

// Custom ECHO function along with CSS based message box !

function EO($disp,$css\_code)

{

if($disp==null) $disp='I, EO requires string...';

$css\_arr = array(**1**=>'info',**2**=> 'success',**3**=> 'warning',**4**=> 'error',**5**=> 'purple');

if($css\_code == null) $css\_code = **4**;

$css\_code = $css\_arr[$css\_code];

echo "<div class='$css\_code'>$disp</div>";

}

* For validating USN entry into the database table, the following function is used.

function validateUSN($usn)

{

if($usn == null)

return **0**;

else

return preg\_match("/^([1234]{1})([a-zA-Z]{2})([0-9]{2})([a-zA-Z]{2})([0-9]{3})$/i",$usn);

}

* First Word Cap of sentence along with formatting CAP to char followed by '-', '\' and ‘.'

function ucname($string)

* A function to return the Roman Numeral, given an integer

function numberToRoman($num)

* The maximum marks of particular student varies from first to last semester. The following function was used for determining the maximum total of a student’s result.

function MaxTotal($sem,$usn)

{

$sem\_list1 = array('1','2');

$sem\_list2 = array('3','4','5','6','7');

if (in\_array($sem, $sem\_list2))

{

if(substr($usn, -**3**,**1**) == '4') // Diploma Candidate..

{

if($sem=='3' || $sem=='4')

{

$MaxTotal = **1000**;

}

else

{

$MaxTotal = **900**;

}

}

else

{

$MaxTotal = **900**;

}

}

elseif(in\_array($sem, $sem\_list1))

{

$MaxTotal = **775**;

}

else

{

$MaxTotal = **750**;

}

return $MaxTotal;

}

* For determining the grade of a particular student the following function is used.

function Calc\_Grade($perc)

{

if($perc >= **35** && $perc <= **59.49**) $str = "Second Class";

if($perc >= **59.50** && $perc <= **69.49**) $str = "First Class";

if($perc >= **69.50**) $str = "First Class with Distinction";

return $str;

}

* The result is encoded by gzencode method to store the result in the database. And for viewing the result it is again decoded by base64decode method shown below.

//example of data encoded by gz compression method.

$str = "H4sIAAAAAAAAA52QTUsDMRRF/0p46xYyxkY6u6EWGaQgtLgRF3H6nKZkkpIPsQzz300EJcZN6fI8wj33ZgQtBoQaGh8UeQyDsARmEJyOt+p+S5erHaUsnhwOUI/AoH4ZwYW3I3Y+vlnrXmpEK3VPNsIfcBBedo7M27ZNSZ3Zp3jKN82OVT85kBItuqBSxlME/PRotVARF4vIUv9yldgb/w13FKZZXmDrLereH4h5TwViE6HcH/PqmbGLxKwQ3+Ri/k8c7Aee0+45aUvh7XVLeb60KoTN6aQk7kn+5Q9olOnPpZ5ftpcX+mWmj92m12n6AkkmpmkhAgAA";

$str = gzdecode(base64\_decode($str)) ;

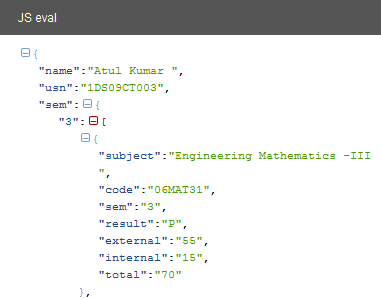
echo "<textarea COLS=60 ROWS=19>$str</textarea>";

echo "Sample " . base64\_encode(gzencode("Hi Hello",**9**));

* The decoded data is shown below

{"name":"Atul Kumar ","usn":"1DS09CT003","sem":{"3":[{"subject":"Engineering Mathematics -III ","code":"06MAT31","sem":"3","result":"P","external":"55","internal":"15","total":"70"},{"subject":"Strength of Materials ","code":"06CV33","sem":"3","result":"P","external":"35","internal":"25","total":"60"},{"subject":"Surveying - I ","code":"06CV34","sem":"3","result":"P","external":"55","internal":"16","total":"71"},{"subject":"Applied Engineering Geology ","code":"06CV36","sem":"3","result":"P","external":"36","internal":"19","total":"55"}]}}

* For final viewing purpose of the decoded data the json parser is used for storing and retrieving values from variables. Example is shown below.



* For autocomplete in search box of search by USN/name the following query is executed.

$sql = "SELECT \* FROM `results` WHERE `name` LIKE '%$q%' OR `USN` LIKE '%$q%' ORDER BY `results`.`name` ASC LIMIT 0 , 120";

* While searching for individual result by name/USN the USN value is taken from search box as it is the primary key, the following query is executed.

$sql = "SELECT \* FROM `results` WHERE USN LIKE '$q' LIMIT 0 , 1";

* For bulk results the college has to be selected first and then the branch has to be selected. For that purpose the following query is executed.

$sql = "SELECT \* FROM `clg\_courses` WHERE college='$code' OR name='$code' LIMIT 0 , 1";

* For bulk result fetching the values are stored in variable shown below.

$college\_name = $\_REQUEST['cname']; // 4KM

$college\_code = $\_REQUEST['code']; // IS

$college\_sem = $\_REQUEST['sem']; // 7

$college\_year = "%";//str\_pad($\_REQUEST['year'], 2, '0', STR\_PAD\_LEFT); // 07

* The following query is executed for bulk result.

$sql = "SELECT \* FROM `results` WHERE USN LIKE '$college\_name$college\_year$college\_code%'";

* For embedding the values for title and subtitle in graph the following query is executed.

title: {

text: '<?php echo $college; ?>'

},

subtitle: {

text: '<?php echo "$course\_name, " . ordinal($college\_sem) . " Semester"; ?>'

},

* For inserting the data values in graph the following query is executed.

series: [{

type: 'pie',

name: 'Browser share',

data: [{

name: 'First Class with Distinction',

y: <?php echo $Chart\_3["First Class with Distinction"];?> ,

sliced: true,

selected: true

},

['First Class', <?php $temp=$Chart\_3["First Class"]; if($temp==null) echo **0**; else echo $temp;;?> ],

['Second Class', <?php $temp=$Chart\_3["Second Class"]; if($temp==null) echo **0**; else echo $temp;?> ],

['Fail', <?php $temp=$Chart\_3["Fail"]; if($temp==null) echo **0**; else echo $temp;?> ]

]}]

**CHAPTER 7**

**TESTING**

**Test Cases**

|  |  |
| --- | --- |
| **Test case No.** | **1** |
| **Description** | **Dashboard process** |
| **Pre Condition** | **Dashboard** |
| **Test action** | **Select dashboard** |
| **Expected result** | **Views college name and code,region** |
| **Post condition** | **Graph college/region** |

|  |  |
| --- | --- |
| **Test Case No.** | **2** |
| **Description** | **Bangalore region colleges bulk result** |
| **Pre Condition** | **Bulk results** |
| **Test action** | **Select college** |
| **Expected result** | **Opens a window containing branches** |
| **Post condition** | **Directs you to the semseter pop up menu** |

|  |  |
| --- | --- |
| **Test case No.** | **3** |
| **Description** | **Views results based on the college ,branch and sem** |
| **Pre Condition** | **College page-branch pop up menu** |
| **Test action** | **Select SEMESTER** |
| **Expected result** | **Views the list of students of the respective sem,branch,college,region** |
| **Post condition** | **Directs you to the graphical analysis page of the students** |

|  |  |
| --- | --- |
| **Test case No.** | **4** |
| **Description** | **College Wise results** |
| **Pre Condition** | **Search box** |
| **Test action** | **Enter College name** |
| **Expected result** | **List of branches (POP UP menu)** |
| **Post condition** | **Directs you to the graphical analysis page of the students of the entered college** |

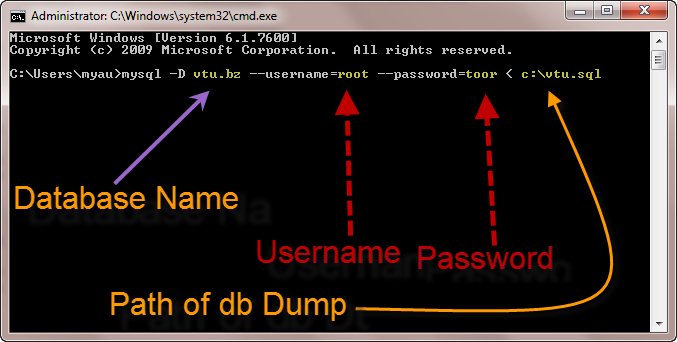
|  |  |
| --- | --- |
| **Test case No.** | **5** |
| **Description** | **Individual result** |
| **Pre Condition** | **Search box** |
| **Test action** | **Enter NAME** |
| **Expected result** | **result of the entered Name** |
| **Post condition** | **Directs you to the tabular result page of the student** |

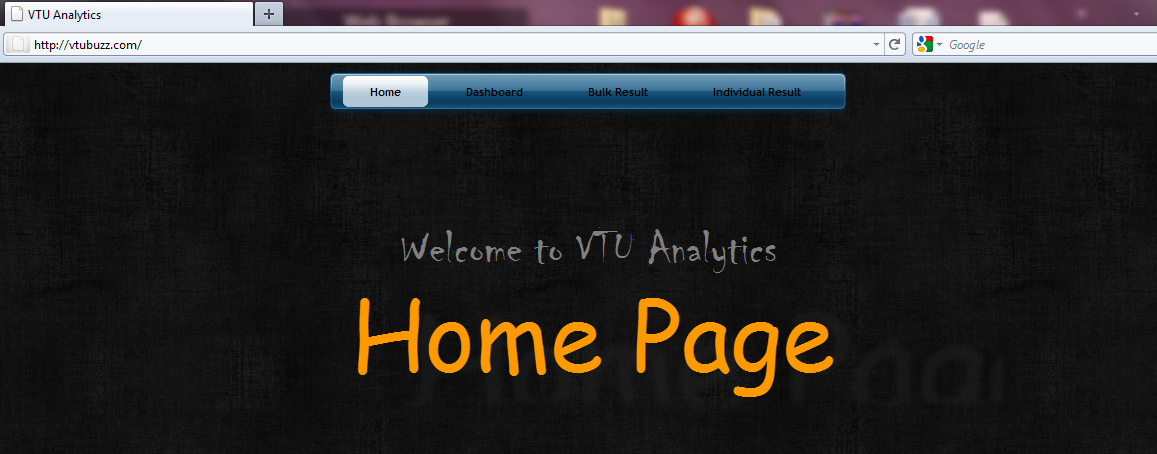
|  |  |
| --- | --- |
| **Test case No.** | **6** |
| **Description** | **Individual result** |
| **Pre Condition** | **Search box** |
| **Test action** | **Enter USN** |
| **Expected result** | **result of the entered USN** |
| **Post condition** | **Directs you to the tabular result page of the student** |

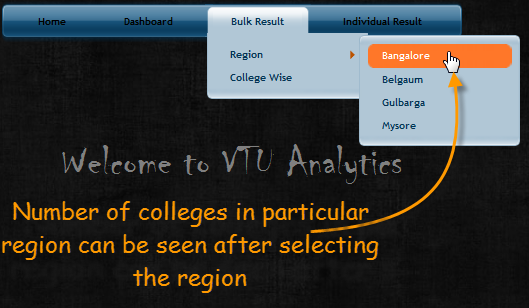
|  |  |
| --- | --- |
| **Test case No.** | **7** |
| **Description** | **Individual result** |
| **Pre Condition** | **Search box** |
| **Test action** | **Enter usn** |
| **outcome** | **Usn invalid** |
| **Expected result** | **result of the entered USN** |
| **Post condition** | **page refreshes** |

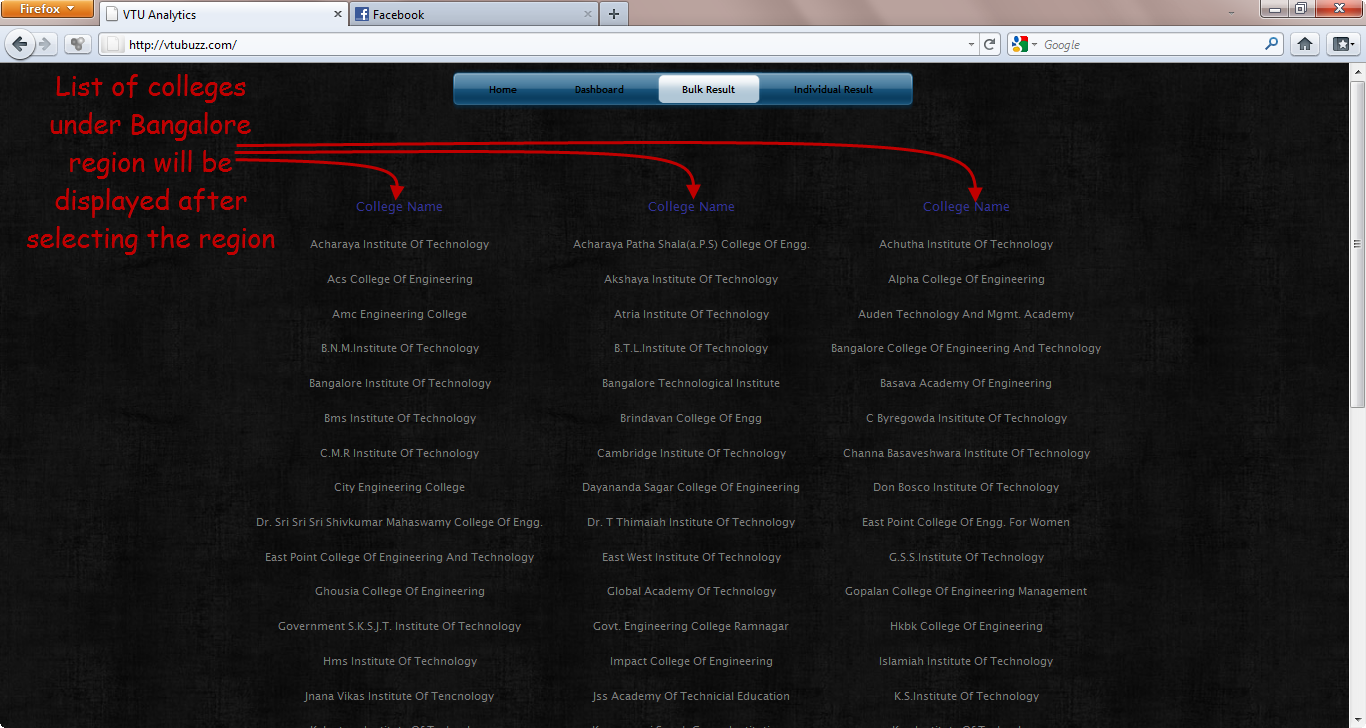
**cHAPTER 8**

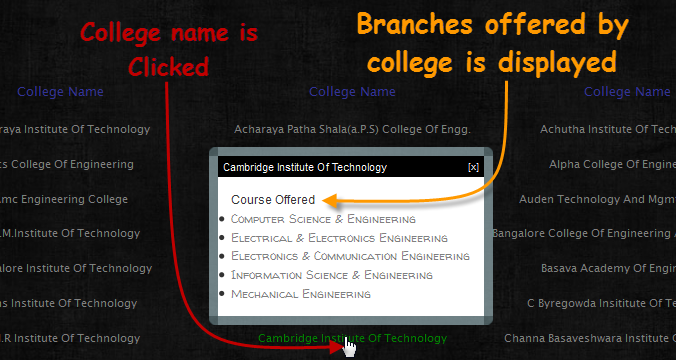
**sCREENSHOTS**

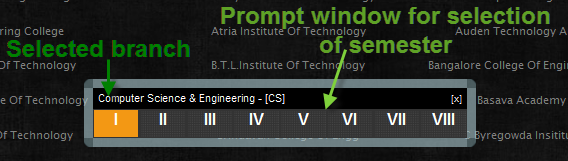
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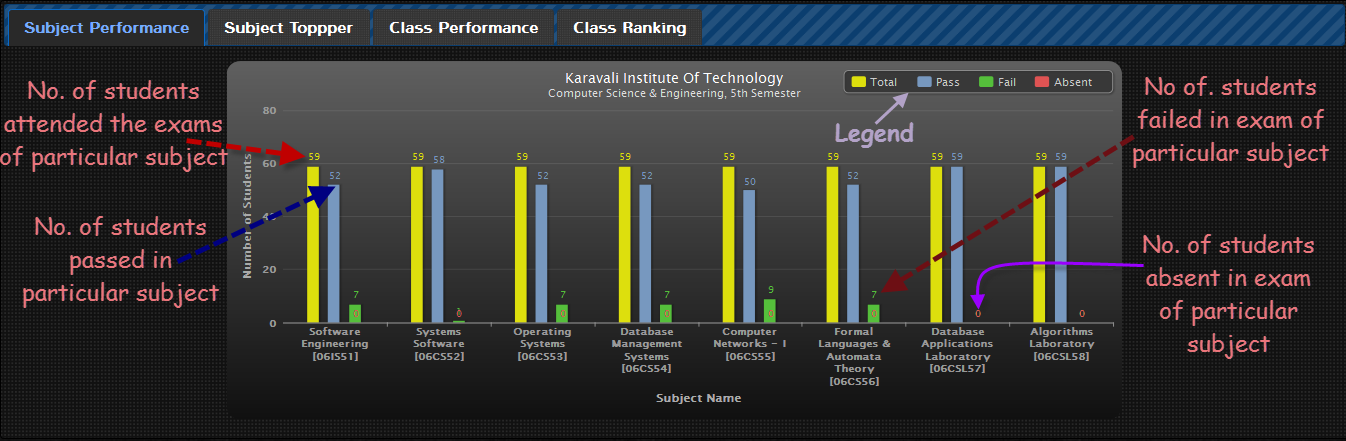
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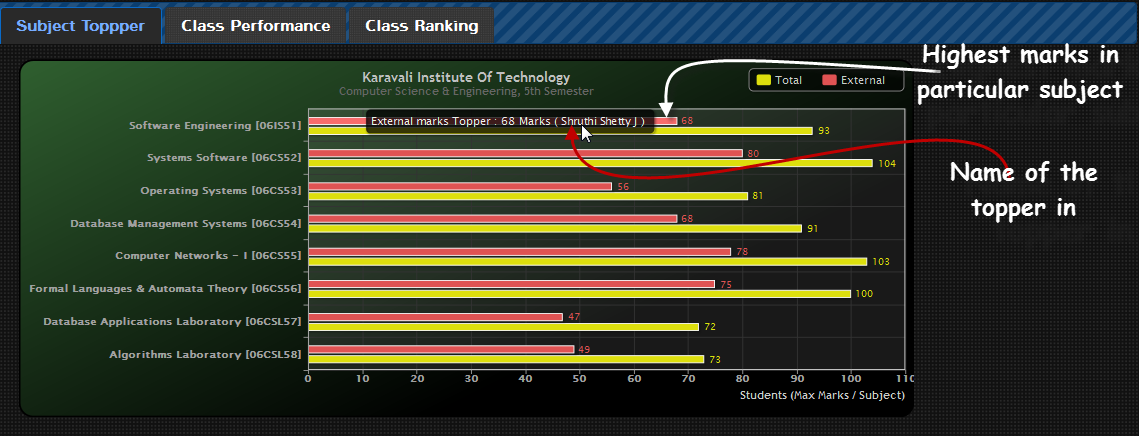




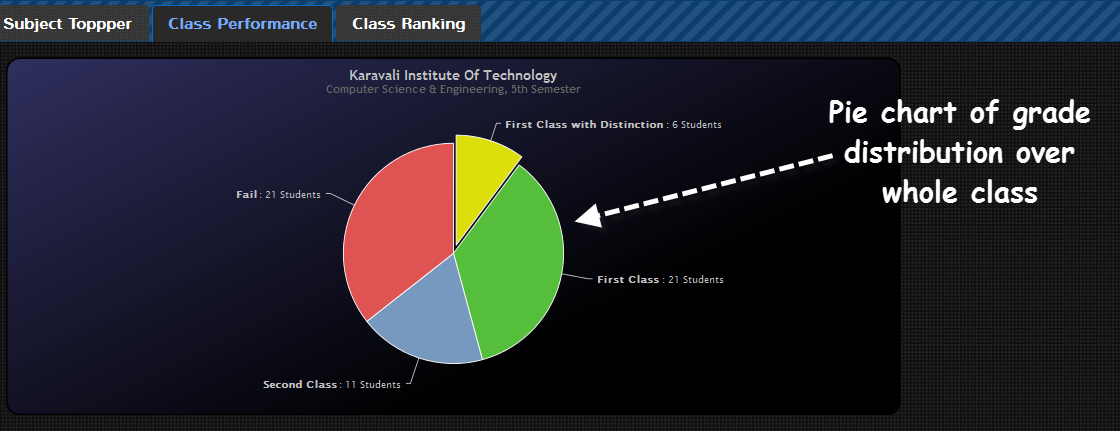


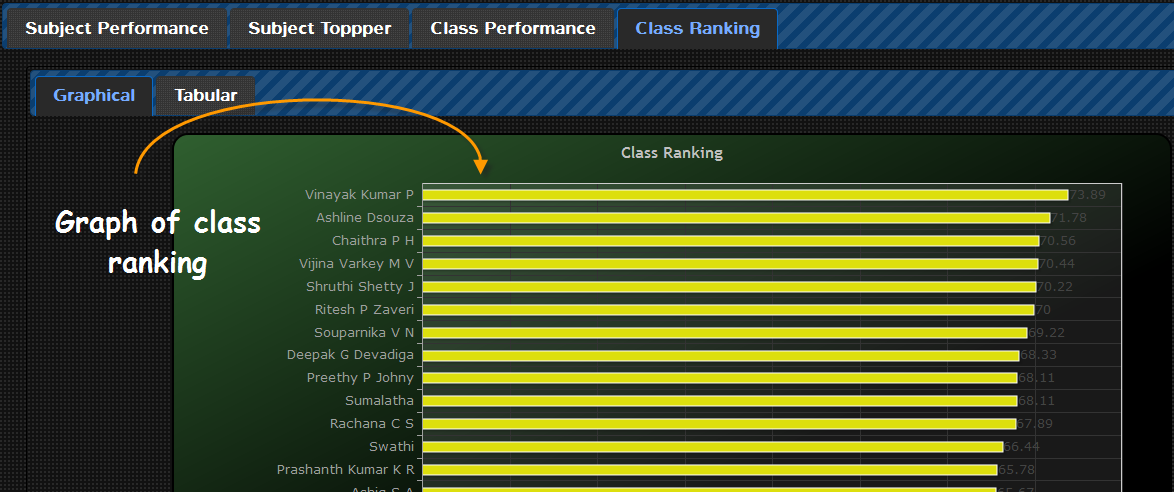




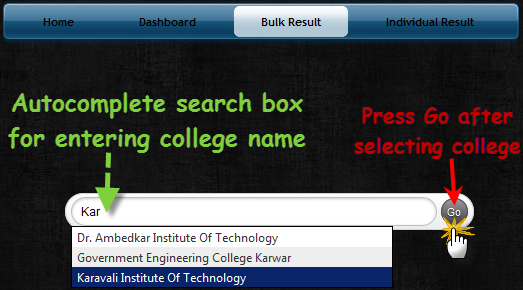


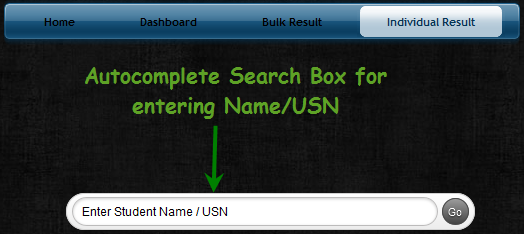
bulk7.png

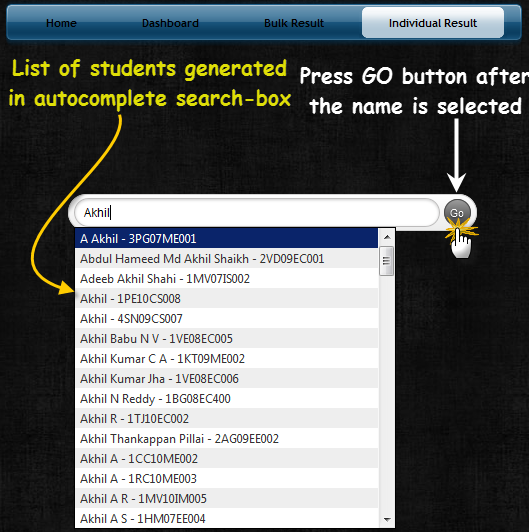


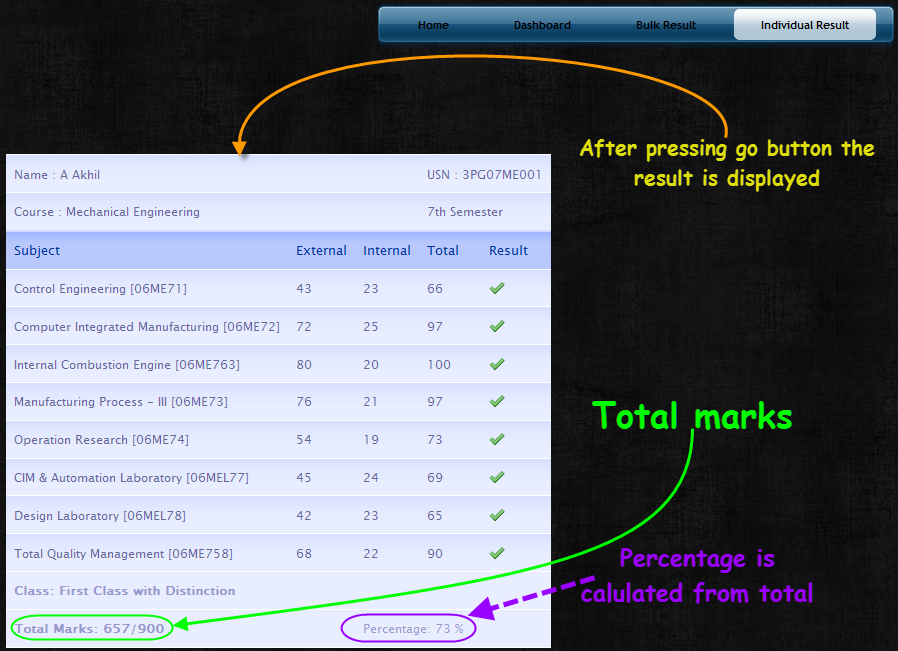










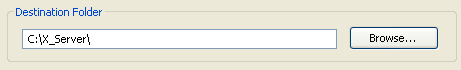


**CHAPTER 9**

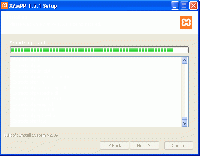
**USER MANUAL**

### Step 1: Installing XAMPP

Run the installer, eventually you will be presented with an option about where to install the package. We told it to install it in a new folder called C:\X\_server which XAMPP will create. You could use the browse button to point to a location.

[](http://docs.moodle.org/20/en/File:XAMPP171_Install_folder.png)

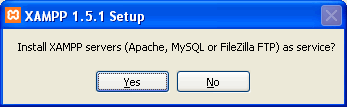
Continue with the installation, this will take a while!

[](http://docs.moodle.org/20/en/File:Xampp3.gif)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:Xampp3.gif)

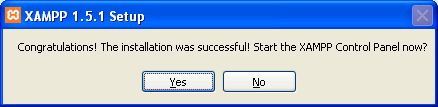
Installation info screen

Eventually you will be presented with the option to install Apache, MySQL, Filezilla and Mercury as a service.

[](http://docs.moodle.org/20/en/File:Xampp4.gif)

* It’s probably best to choose “No” for now. You can always enable these as services later.

Next you’ll be asked if you want to start the XAMPP Control Panel.

[](http://docs.moodle.org/20/en/File:Xampp5.gif)

* Click the “No” button.

1. On your Desktop, locate the shortcut XAMPP icon and double click to launch the Control Panel.

* When the XAMPP Control Panel has launched, click the “Start” buttons for Apache and MySQL (see below).

2. In the folder you installed XAMPP, look for the XAMPP\_start, or XAMPP\_restart icon.

* When XAMPP start has finished, both Apache and MySQL have been started.

3. In the folder you installed XAMPP, look for the Apache start and MySQL start icons

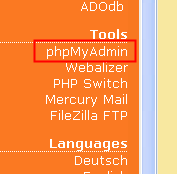
* When Apache and MySQL start icons are used, two black windows command window should remain open

## Step 2 : Create the MySQL database

To create a MySQL database for your Moodle “site” we will use the phpMyAdmin utility included with XAMPP.

[Browser address bar](http://docs.moodle.org/20/en/File:Xampp8.gif)

* To access this launch the web browser of your choice (Firefox is used in this example), type [http://localhost](http://localhost/) in the address bar.
* The XAMPP default page will be displayed, click the link for your preferred language – we will be using English.
* From the menu on the left, click on “phpMyAdmin”

[](http://docs.moodle.org/20/en/File:Xampp10.gif)

* When phpMy Admin has launched in your browser window, enter the name of your database in the “Create new database” field.

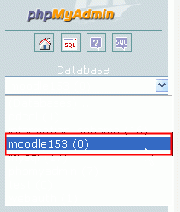
[http://docs.moodle.org/20/en/images_en/thumb/7/7c/PhpMyAdmin3131_create_database.png/180px-PhpMyAdmin3131_create_database.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_create_database.png)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_create_database.png)

Center of initial phpMyAdmin screen

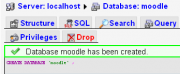
* From the "Collation" drop down list select "utf8\_unicode\_ci"
* Click the “Create” button to create the database.

You should see the database on the left with your moodle MySQL database name without files in it and/or a notice that it was created.

[](http://docs.moodle.org/20/en/File:Xampp13.gif)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:Xampp13.gif)

Example of a phpMyAdmin database list, click on moodle to add MySQL users

[](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_created_moodle.png)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_created_moodle.png)

The database is corrected, notice the privileges icon

### Step 3 :MySQL security

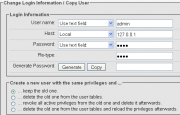
Security on a localhost may not be a big concern, but at this point we recommend you click the moodle database, then on the privileges icon. Select one of the root users for editing. Create their passwords.

[http://docs.moodle.org/20/en/images_en/thumb/f/f8/PhpMyAdmin3131_privileges_edit.png/180px-PhpMyAdmin3131_privileges_edit.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_privileges_edit.png)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_privileges_edit.png)

See the edit action icon

The best practice is to create a password for the root user. The "edit action" will give a place to do that. Another good practice is to copy the root user's privileges to another user. Here we changed the root user to admin, added a password and kept the user called root.

[](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_privileges_create_admin.png)

[http://docs.moodle.org/20/en/skins/common/images/magnify-clip.png](http://docs.moodle.org/20/en/File:PhpMyAdmin3131_privileges_create_admin.png)

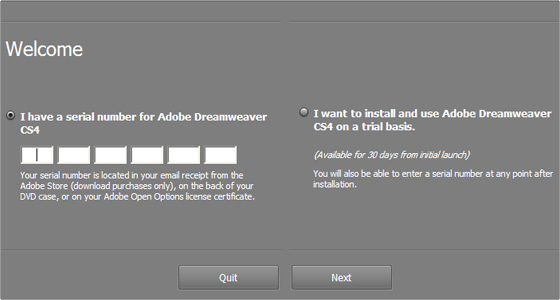
Creating an admin MySQL user

**TIP:** On a localhost site, that has no internet security issues, use the same name and password for the user with the most privileges/permissions, usually "admin", for both MySQL and Moodle.

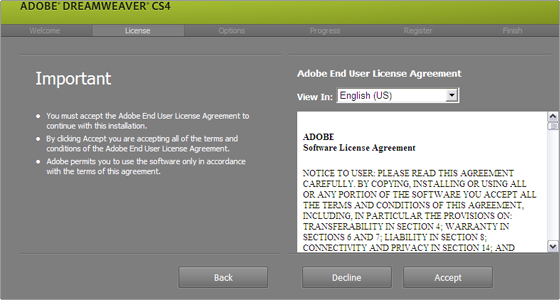
**Step 4: Installing dreamweaver**

You can download the Adobe Dreamweaver CS4 Trial version from the [Macromedia/Adobe official web site.](http://www.adobe.com/)

If you have already purchased the full version of Adobe Dreamweaver CS4, you can enter its serial number at the initial installation screen.



Next, you should agree to the Adobe Software License Agreement.



Once you have done that, follow the instructions in the setup program in order to finish the installation of Adobe Dreamweaver CS4.

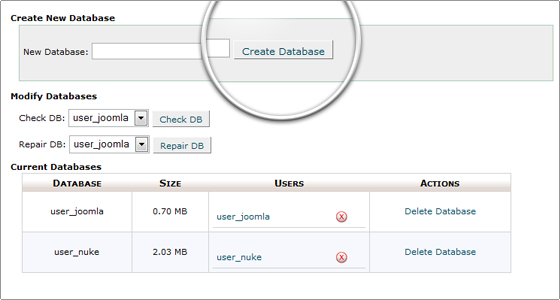
**Step 5: Cpanel Installation**

The Databases section allows you to create MySQL and PostgreSQL databases and users, to modify databases and access to them. SQL stands for Structured Query Language. SQL is an international standard in querying and retrieving information from databases. PostgreSQL is an object-relational database management system. MySQL is essentially an SQL server - it responds to requests for information that are written in SQL. You can communicate with MySQL using a wide variety of programming languages (PHP being one of the most common). MySQL is Open Source software and free for use. There are several features in the cPanel Database section:

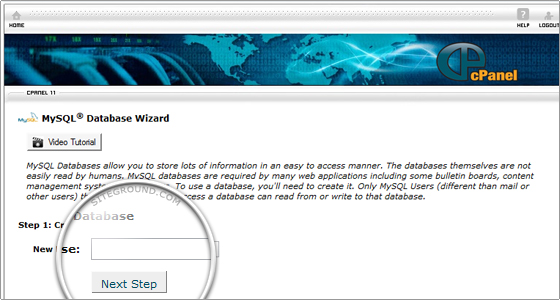


## [MySQL Databases](http://www.siteground.com/tutorials/cpanel/mysql.htm)

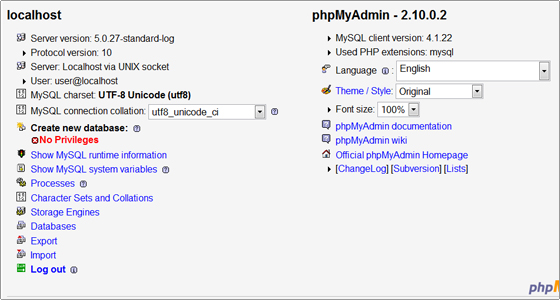
* **MySQL Databases** - through this tool you can create new MySQL databases, list and remove the existing ones, add and delete database users with the corresponding passwords.



* **MySQL Database Wizard**- this feature allows you to create a new MySQL database and to add a user to it using an intuitive wizard.



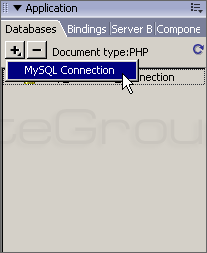
* **phpMyAdmin** - this is a link to the phpMyAdmin tool. This application is used for the management of the databases and the database tables, running of sql queries, importing and exporting of databases.

****

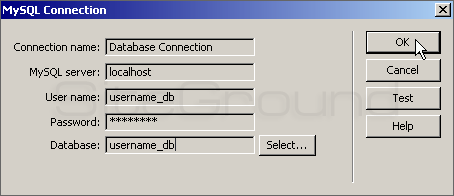
**Step 6: DATABASE CONNECTIVITY**

Once you have created your database and added a user to it, you should [connect to the remote server](http://www.siteground.com/tutorials/dreamweaver/website_upload.htm) where your website and database are located. Then you can continue with setting your connection to the MySQL database.

Select**Window -> Database** to open up Database property window:

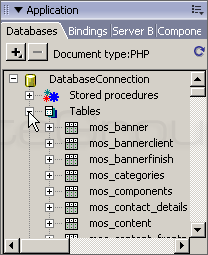


Click on "+" sign and choose **MySQL Connection**. A new window will pop up - here you should enter the MySQL username, password and database, as well as the MySQL server.



In the first field type a name for the connection. In the "MySQL server" field type **localhost**. Then enter the MySQL username and password details and the database name as shown in the example. Click **OK** to connect to your database.

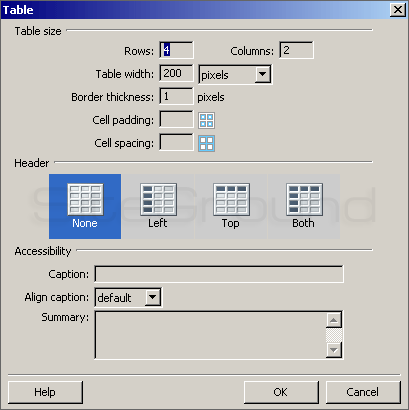
If you have entered all details correctly, you should be able to see your connection listed in the Databases tab:



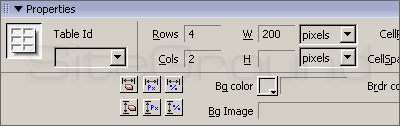
**Step 7: TABLE CREATION**

pen Dreamweaver and create a new HTML file. From the **Insert** drop-down menu choose **Table**.

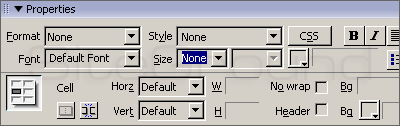
A **Table** property window will appear:



Select the format of your table and click **OK**. Your table will be created in your page. Select the table and look at its Properties panel:



Here you can modify your table by changing its attributes. Each cell of the table has its own Properties panel. Select the cell that you want to modify and the Properties panel will appear. Alternatively, you can go to **Windows -> Properties**:



**CHAPTER 10**

**CONCLUSION**

Development of our website brings us to a conclusion that our website mainly aims at providing results in a bulk format. Moreover it also provides us results both in a tabular form as well as in a graphical format. VTU ANALYTICS will provide the overall result of a student of all the semesters in the future. VTU ANALYTICS helps not only the students and the faculty members but also the companies for campus placement. Companies can check out the overall performance of a college branch wise. The official website of VTU provides the individual result of the current semester. Contradictory to the official website, “VTU ANALYTICS” provides overall class ranking. A Search Box is placed which enables a user to search the results of a college of his choice. Hence we can conclude that VTU ANALYTICS is reliable, maintainable and consistent in terms of performance

* **Future Enhancement**
* High speed, accuracy and non-redundant data are the main advantages of the proposed system. In the proposed system the user is provided with a choice of data screen, which are similar in formats to the source documents.

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