

# USER MANUAL

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## CHAPTER 1-HOW TO SETUP

### 1.1 SOFTWARE REQUIREMENTS

	Required Software level
Operating System	Microsoft Windows XP or Windows 7
JAVA Runtime	JAVA 6 or above
DBMS	MySQL Server 5.1 or above
<i>Tool of DBMS</i>	MySQL Query Browser 1.2.12 or

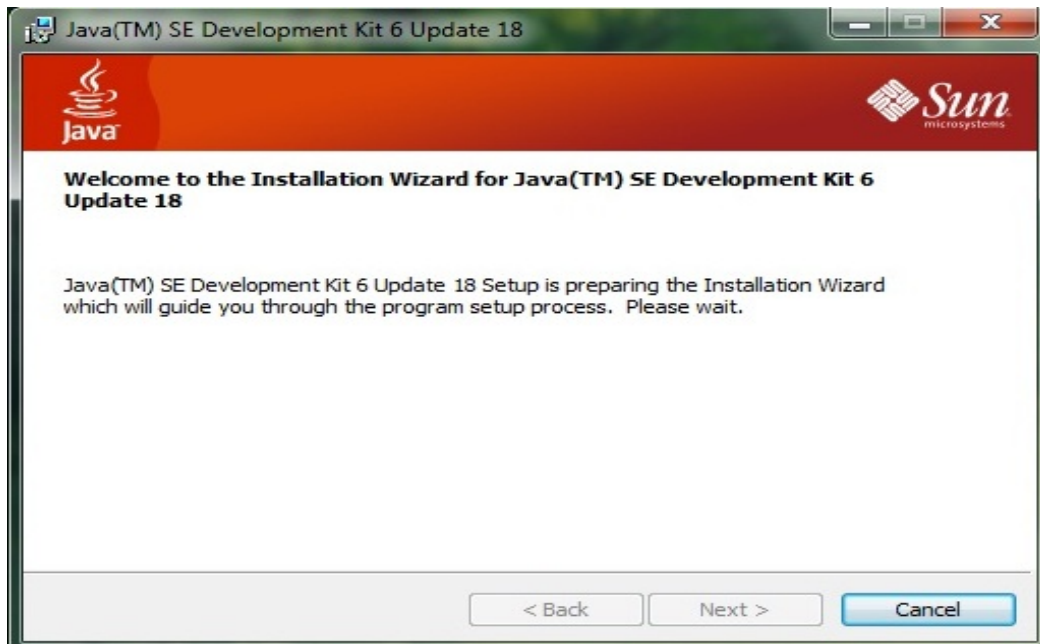
*Table 1.1: Software Requirements*

### 1.2 INSTALLATION

#### 1.2.1 Installing java runtime on machine

Run the installation package and it will install the modules and packages that are required by the setup.

Step1



*Fig 1.1: Installing JAVA (step 1)*

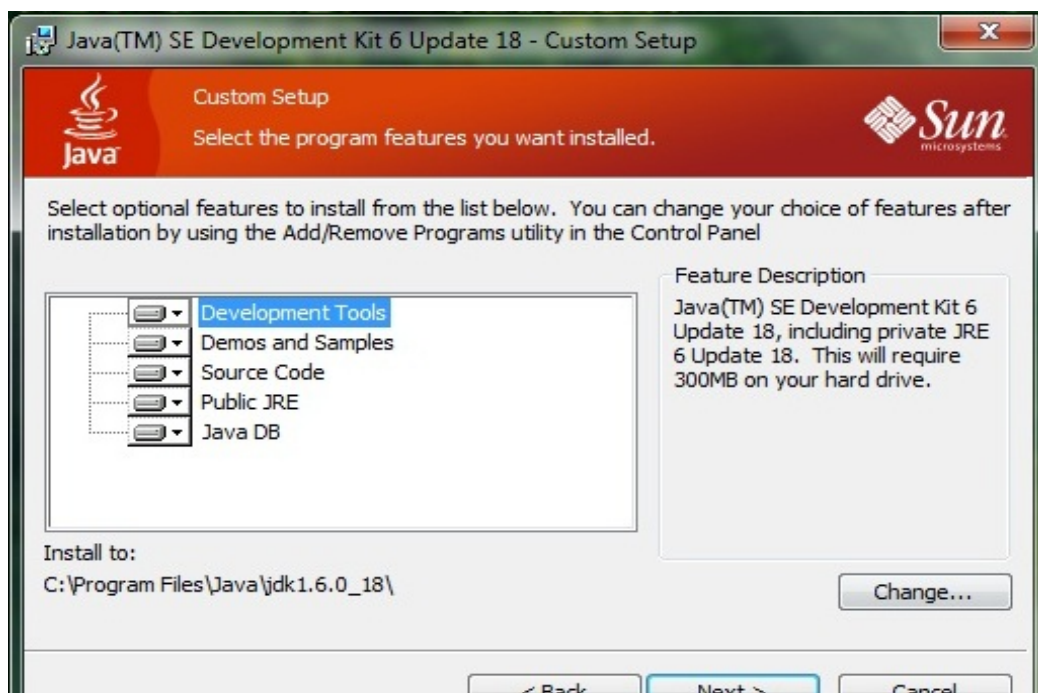
## Step 2



*Fig 1.2: Installing JAVA (Agreement License)*

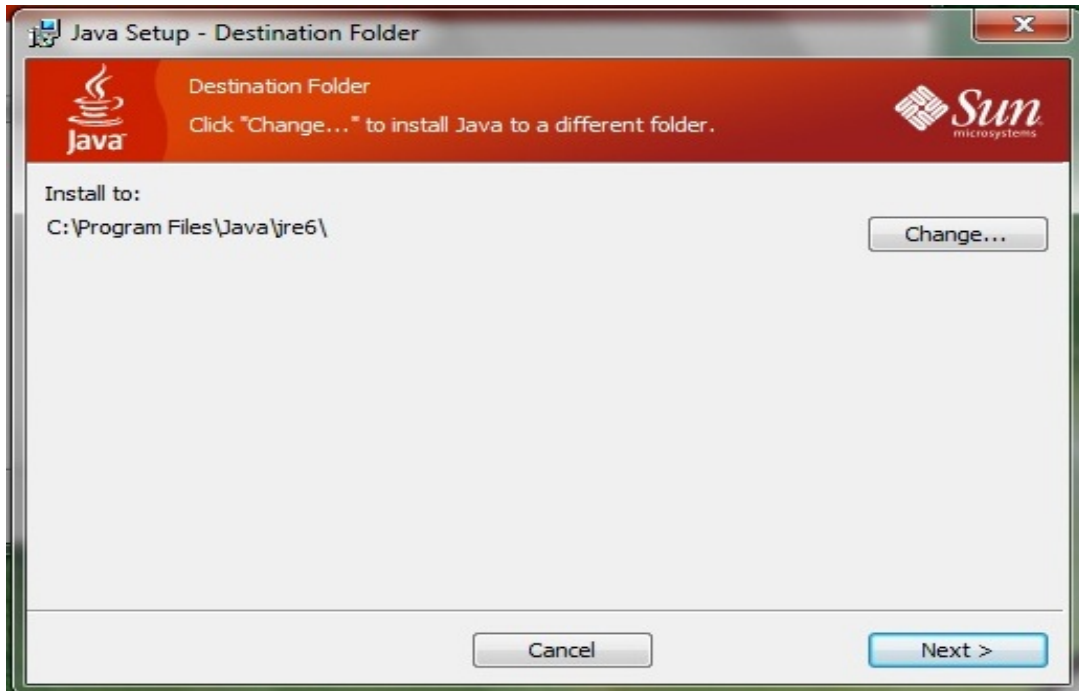
## Step 3

Then the wizard asks to select program features which you want to install and select the Development Tools



*Fig 1.3: Installing JAVA (Program Features selection)*

Step 4



*Fig 1.4: Installing JAVA (Destination Folder Selection)*

Step 5



*Fig 1.5: Installing JAVA (Progress)*

## Step 6

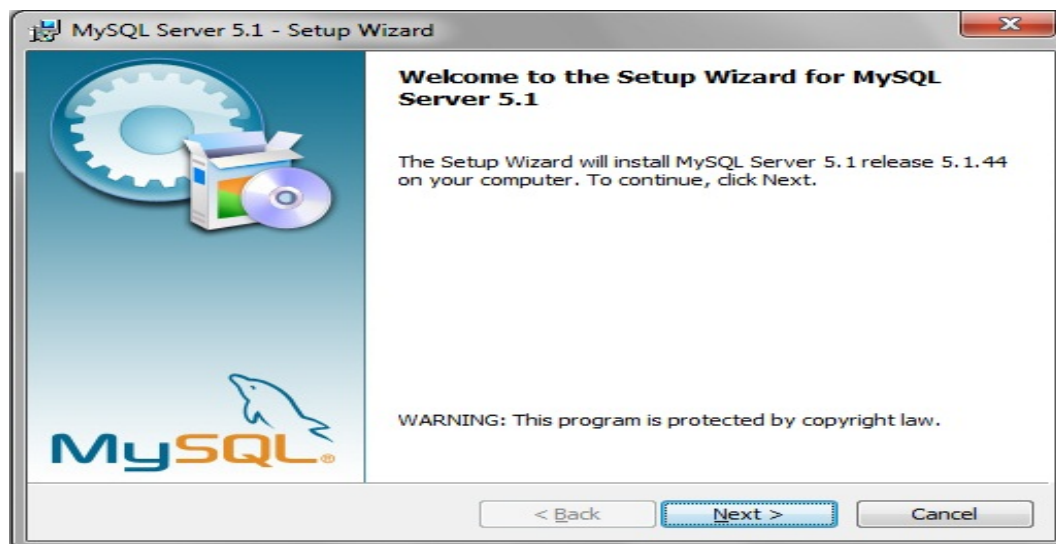


*Fig 1.6: Installing JAVA (The End)*

## 1.2.2 Install MySQL

Run the installation package and it will install the modules and packages that are required by the MySQL Server 5.1 setup wizard.

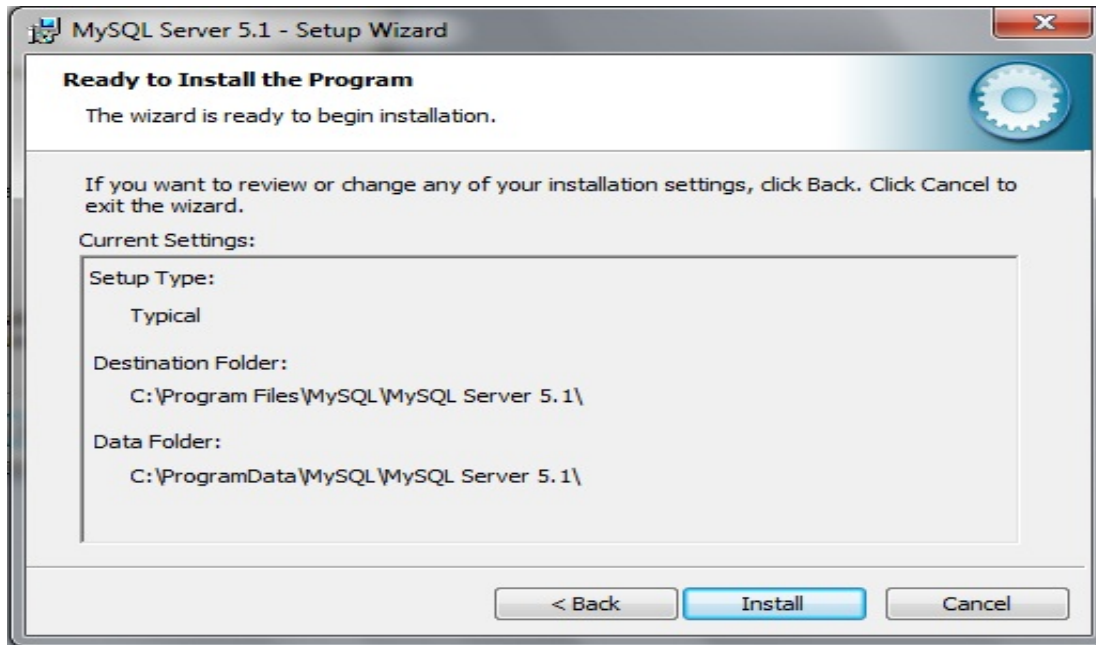
## Step1



*Fig 1.7: Installing MySQL Server(Step 1)*



## Step 2

*Fig 1.8: Installing MySQL Server(Step 2)*

## Step 3

*Fig 1.9: Installing MySQL Server(Step 3)*

This is the MySQL Server Instance Configuration wizard and it configure the MySQL Server 5.1 server instance. The wizard asks to choose a maintenance option and select the Reconfigure Instance.

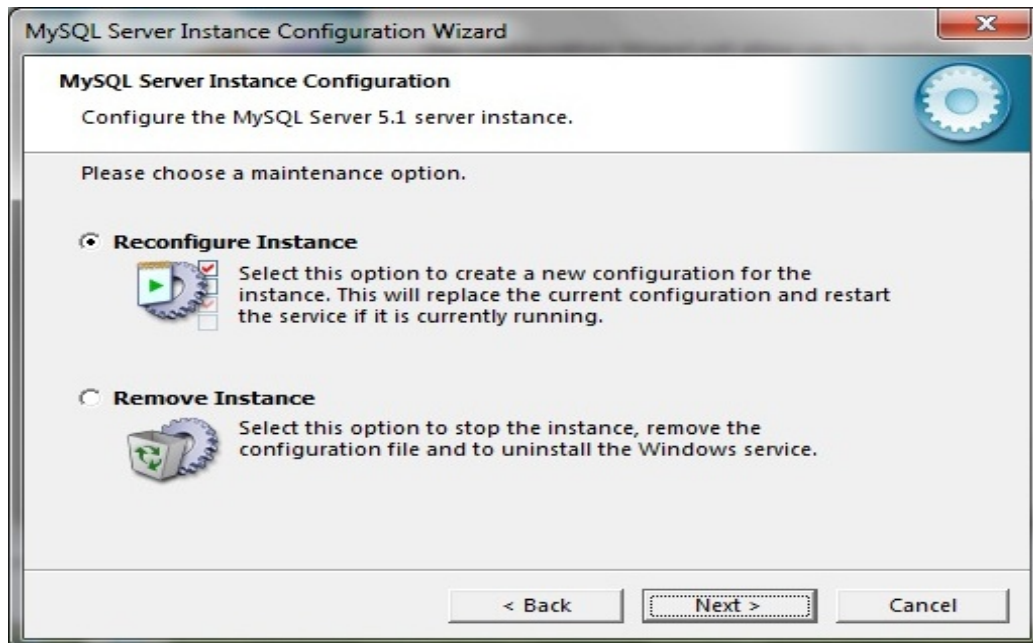


Fig 1.10: *MySQL Server Instance Configuration* (Maintenance option selection)

In the Server Instance Configuration ,select both networking options and set the port number.

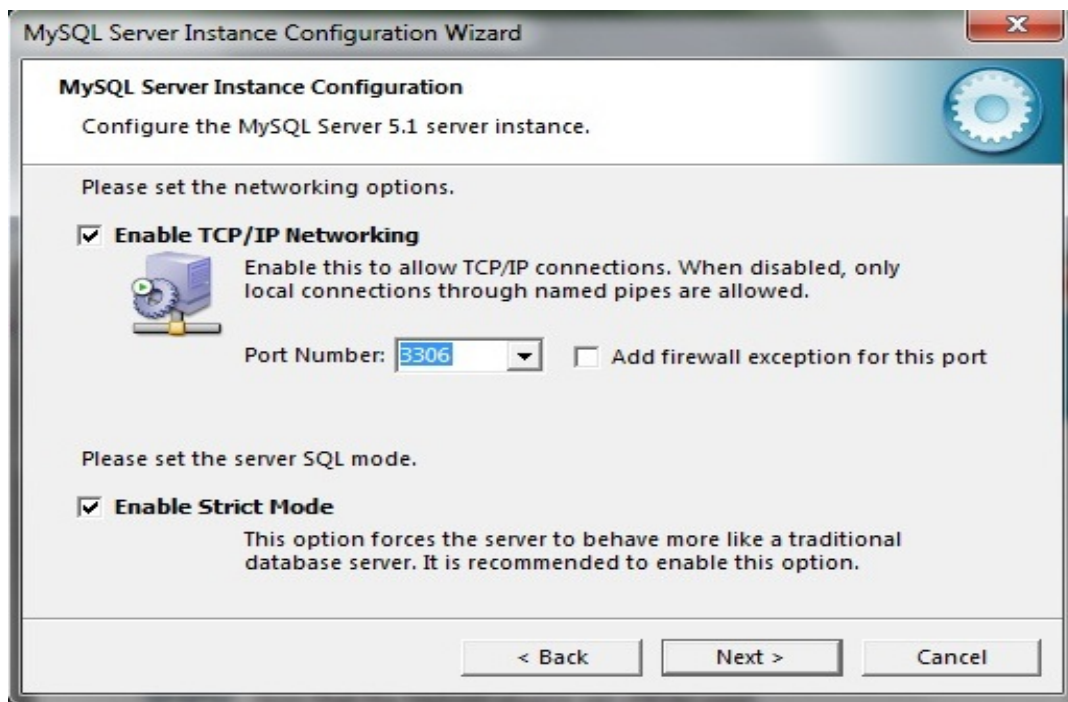


Fig 1.11: *MySQL Server Instance Configuration* (Networking option selection)



In this window you must select the root account and give a valid password



Fig 1.12: *MySQL Server Instance Configuration* (Security option selection)

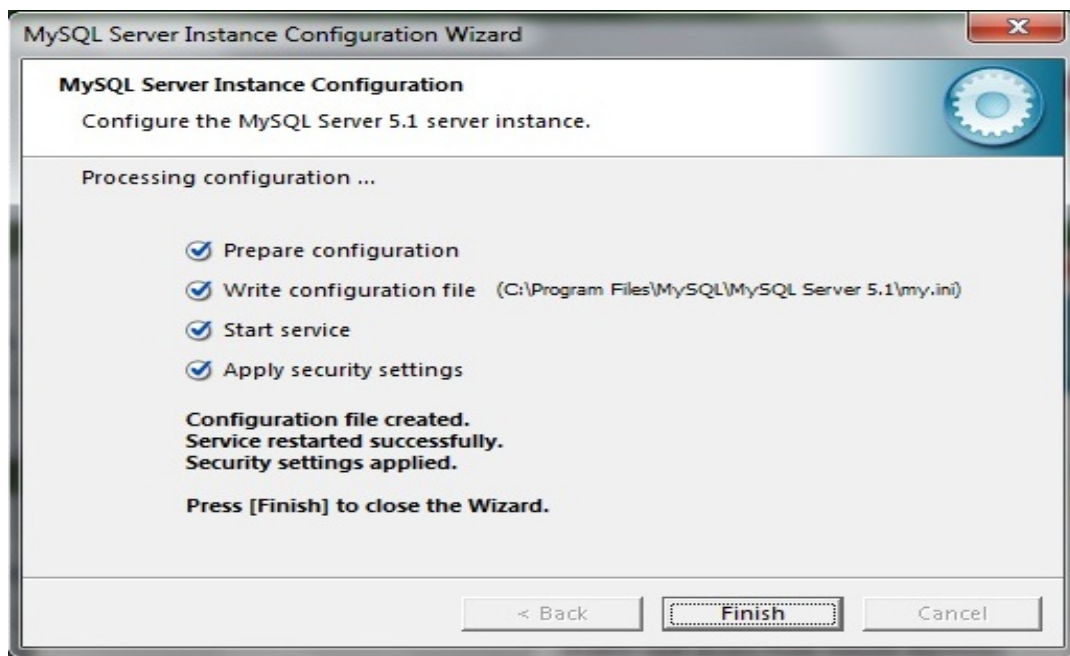


Fig 1.13: *MySQL Server Instance Configuration* (Final)

### 1.2.3 Restore the database

Launch MySQL Administrator and type 'root' as the username and password given at the installation of the MySQL server instance.

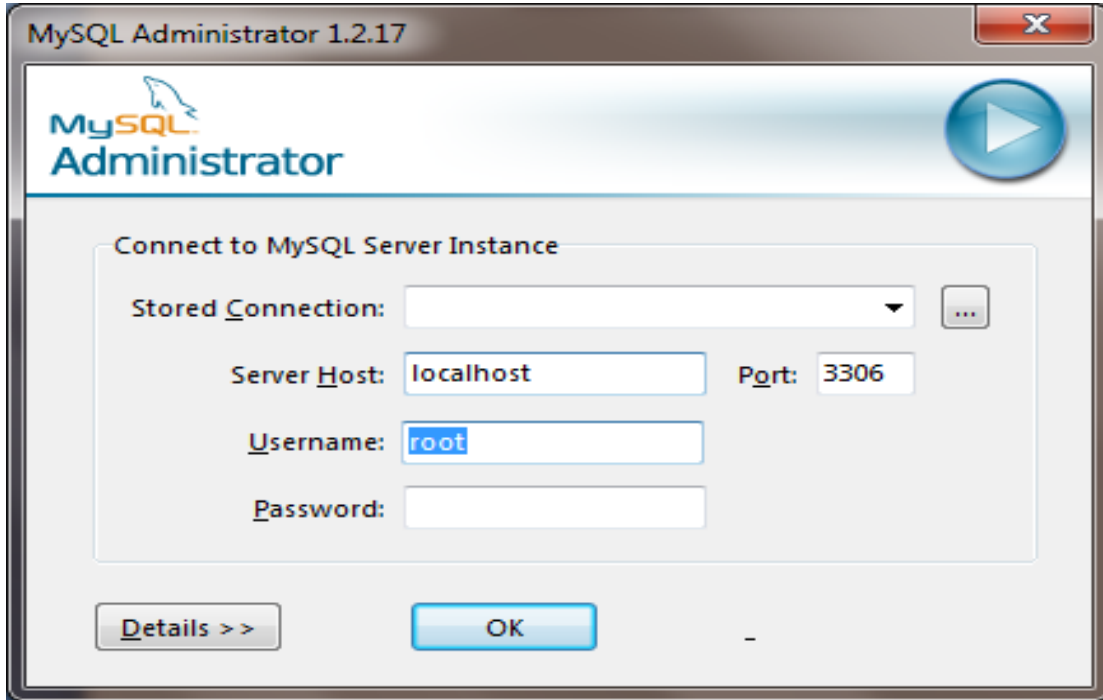


Fig 1.14: Connecting to the MySQL Server Instance

- Select restore database

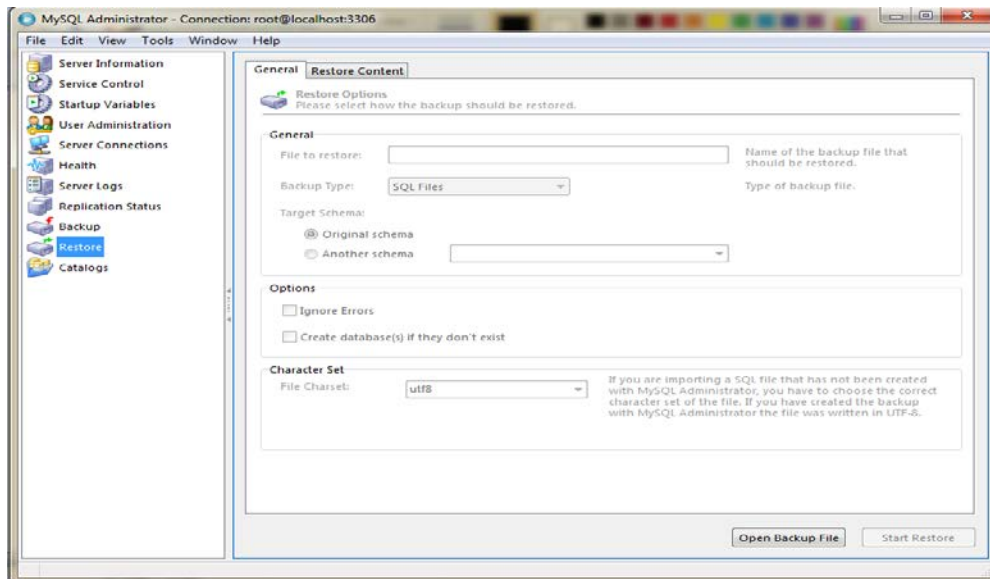
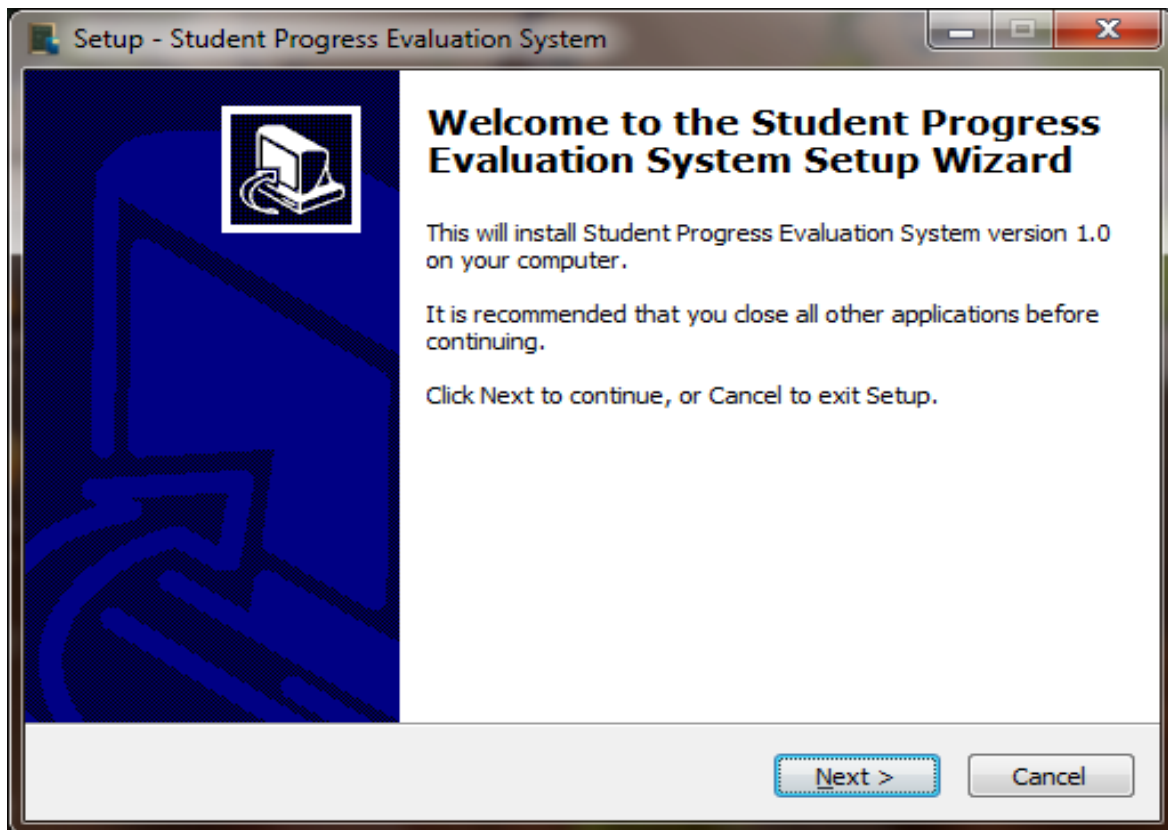


Fig 1.15: Restore the database

- Set to database to **res**
- Select res.from device
- Click Add
- Browse the res file from CD

### 1.2.3 Installing Student Progress Evaluation System

Run the *setup.exe* file(fig 1.16) located in CD (*CD\System\Developed Solution\setup.exe*). Setup will continue automatically. By the installation wizard the system can be successfully installed in a machine.

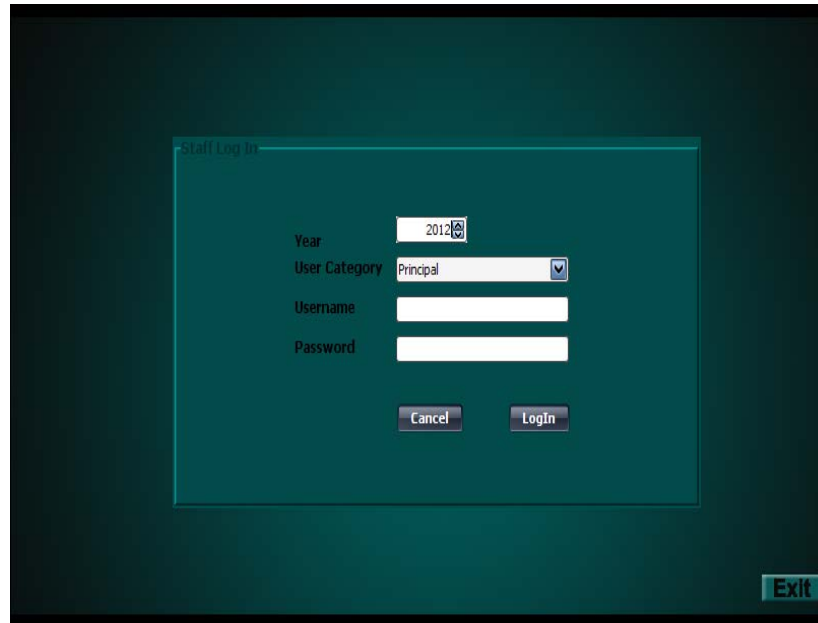


*Fig 1.16: Installation Wizard*

## CHAPTER 2-HOW TO OPERATE

This section includes details about how to operate the system.

### Login to the system using valid user category, username and password



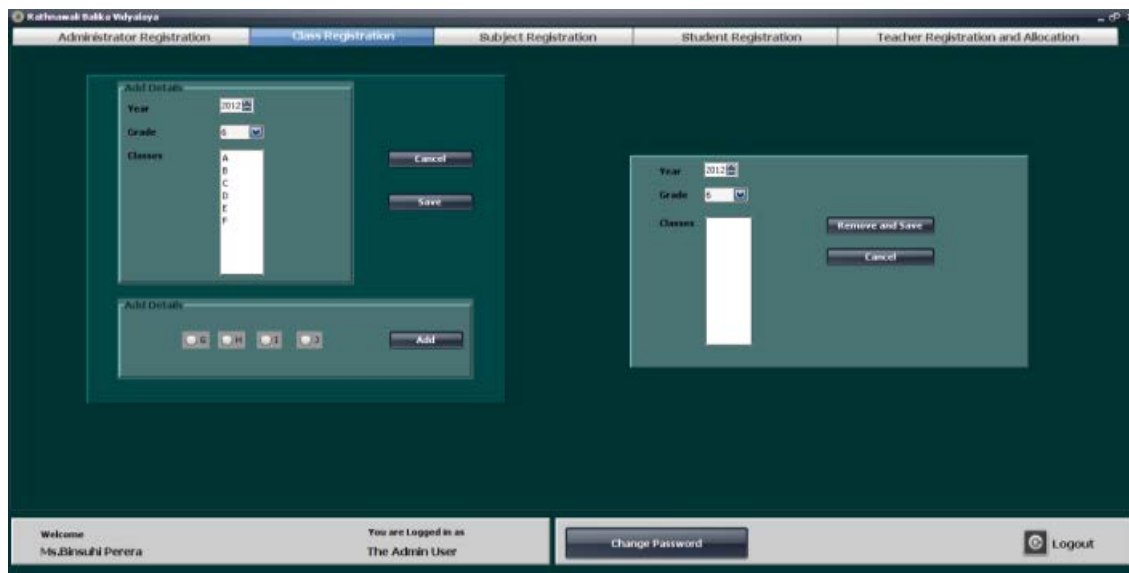
The image shows a 'Staff Log In' dialog box with a dark teal background. It contains the following fields and controls:

- Year:** A text input field containing '2012'.
- User Category:** A dropdown menu with 'Principal' selected.
- Username:** An empty text input field.
- Password:** An empty text input field.
- Buttons:** 'Cancel' and 'Login' buttons at the bottom.
- Exit Button:** An 'Exit' button located in the bottom right corner of the main window.

*Fig 2.1: Login Form*

### To register classes, teachers, students, subjects

Login as the admin user⇒select the registration tab⇒enter data⇒ click save icon



The image shows the 'Class Registration' window of the system. It features a tabbed interface with the following elements:

- Tabs:** 'Administrator Registration', 'Class Registration' (active), 'Subject Registration', 'Student Registration', and 'Teacher Registration and Allocation'.
- Left Panel (Add Details):**
  - Year:** Text input with '2012'.
  - Grade:** Dropdown menu with '6' selected.
  - Classes:** A list box containing 'A', 'B', 'C', 'D', 'E', and 'F'.
  - Buttons:** 'Cancel' and 'Save'.
- Right Panel (Add Details):**
  - Year:** Text input with '2012'.
  - Grade:** Dropdown menu with '6' selected.
  - Classes:** An empty list box.
  - Buttons:** 'Remove and Save' and 'Cancel'.
- Bottom Bar:**
  - Welcome:** Ms.Bhimsuñ Perera
  - You are Logged in as:** The Admin User
  - Buttons:** 'Change Password' and 'Logout'.

*Fig 2.2: Class Registration*

Administrator Registration	Class Registration	Subject Registration	Student Registration	Teacher Registration and Allocation
<a href="#">Insert and update Personal Details</a> <a href="#">Transfer class</a> <a href="#">Change Status</a>				

### Student Personal Details

Year:

Admission No:

Name:

Address:

Date of Birth:

Contact No:

Status:

Password:

Class:

### Student Personal Details

Name:

Relationship:

Occupation:

Address:

Contact No:

email address:

\* Required fields. You can not leave them empty.

[Clear](#)

[Search for Upd...](#)

[Update](#)

[Insert](#)

← → ← →

Welcome  
Ms.Binsuhi Perera

You are Logged in as  
The Admin User

[Change Password](#)

[Logout](#)

*Fig 2.3: Student Registrarion*

**Bathawadi Balika Vidyalaya**

<b>Administrator Registration</b>	<b>Class Registration</b>	<b>Subject Registration</b>	<b>Student Registration</b>	<b>Teacher Registration and Allocation</b>
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### View Administrators

Year:

Select the post:

Title 1	Title 2	Title 3	Title 4

Name:

Post:

Password:

### View Administrators

Year:

Select the post:

Title 1	Title 2	Title 3	Title 4

Welcome

Ms.Binsuhi Perera

You are Logged in as

The Admin User

Logout

*Fig 2.4: Administator Registraion*

The screenshot shows the 'Subject Registration' window. At the top, there are tabs for 'Administrator Registration', 'Class Registration', 'Subject Registration' (selected), 'Student Registration', and 'Teacher Registration and Allocation'. The 'Add Subject' section has input fields for 'Subject ID', 'Name', and a 'Category' dropdown set to 'Common Subject'. Below this is the 'Assign Subjects to grades' section, which includes a table with columns 'Subject ID', 'Subject', and 'Category'. The table lists subjects like Buddhism, Catholicism, Sinhala Language & Lit., English, Mathematics, History, Science, Oriental Music, Western Music, Art, Dencing, and English Literary. To the right of the table are 'Save Selected', 'Cancel', and 'View' buttons. The 'View subjects' section has a 'Subject Category' dropdown and a table with 'Title 1' and 'Title 2' columns. The 'Update details' section has fields for 'Subject ID', 'Name', and 'Category'. The bottom status bar displays 'Welcome Ms.Binsuhri Perera', 'You are Logged in as The Admin User', a 'Change Password' button, and a 'Logout' button.

Fig 2.5: Subject Registration

## To register a student

Select the student registration tab⇒enter data⇒ click save icon

The screenshot shows the 'Student Registration' window. At the top, there are tabs for 'Administrator Registration', 'Class Registration', 'Subject Registration', 'Student Registration' (selected), and 'Teacher Registration and Allocation'. Below the 'Student Registration' tab are sub-tabs: 'Insert and Update Personal Details' (selected), 'Transfer class', and 'Change Status'. The 'Student Personal Details' section on the left has fields for 'Year' (2012), 'Admission No' (10164), 'Name', 'Address', 'Date of Birth', 'Contact No', 'Status' (Current student), 'Password', and 'Class' (6 A). The 'Student Personal Details' section on the right has fields for 'Name', 'Relationship' (Father), 'Occupation', 'Address', 'Contact No', and 'email address'. To the right of these fields are 'Clear', 'Search for Update', 'Update', and 'Insert' buttons. The bottom status bar displays 'Welcome Ms.Binsuhri Perera', 'You are Logged in as The Admin User', a 'Change Password' button, and a 'Logout' button.

Fig 2.6: Student Insert and Update form



## To update student details

select the student registration tab⇒ select Insert and Update Personal Details tab⇒ click search for update button⇒ select a student row to be updated⇒edit data⇒ Click Update button

The screenshot shows the 'Rathnawali Balika Vidyalaya' application window. It features a search form with a 'Student Name' input field, a 'Search' button, and dropdown menus for 'Year' (set to 2012), 'Grade', and 'Class'. Below the form is a table of student records.

Admission No	Name	Address line1	Address line2	Address line3	Contact No.	Date of Birth
10111	P.D. Binushi Ke...	No.31	Kalyani Mawatha	Gampaha	077-4835622	24-05-1989
10112	P.D.Anjani Chin...	No 31	Kalyani Mawatha	Gampaha	033-2225099	19-05-1989
10113	A.K.Nadeeshan...	No 847	Yakkala Road	Gampaha	033-2222217	22-03-1989
10114	Sachithra K. Thi...	No 15	Wathurugama	Gampaha	033-2225868	25-09-1989

Fig 2.7:Secrch student

## To transfer a class to the next year class

select the student registration tab⇒ select transfer class⇒ select year and class from the from table⇒ select year and class for to table⇒select student from the from table⇒ Click suitable save icon

The screenshot shows the 'Rathnawali Balika Vidyalaya' application window with the 'Student Registration' tab selected. The 'Transfer class' sub-tab is active. It displays two sections: 'Transfer from' and 'to'. The 'Transfer from' section has a 'Year' dropdown set to 2012 and a 'Grade' dropdown set to 6. Below it is a list of students with their 'Ad No' and 'Name'. The 'to' section has a 'Year' dropdown set to 2013 and a 'Grade' dropdown set to 6. Below it is an empty list for the destination. Two green arrows point from the 'Transfer from' list to the 'to' list, with the text 'Move Selected class and save' above and below them.

Fig 2.8:Student Trasfer

## To add a teacher allocation

select the teacher Registration and Allocation tab⇒select the allocation type from semi tab set⇒  
select combo boxes values⇒ click save button

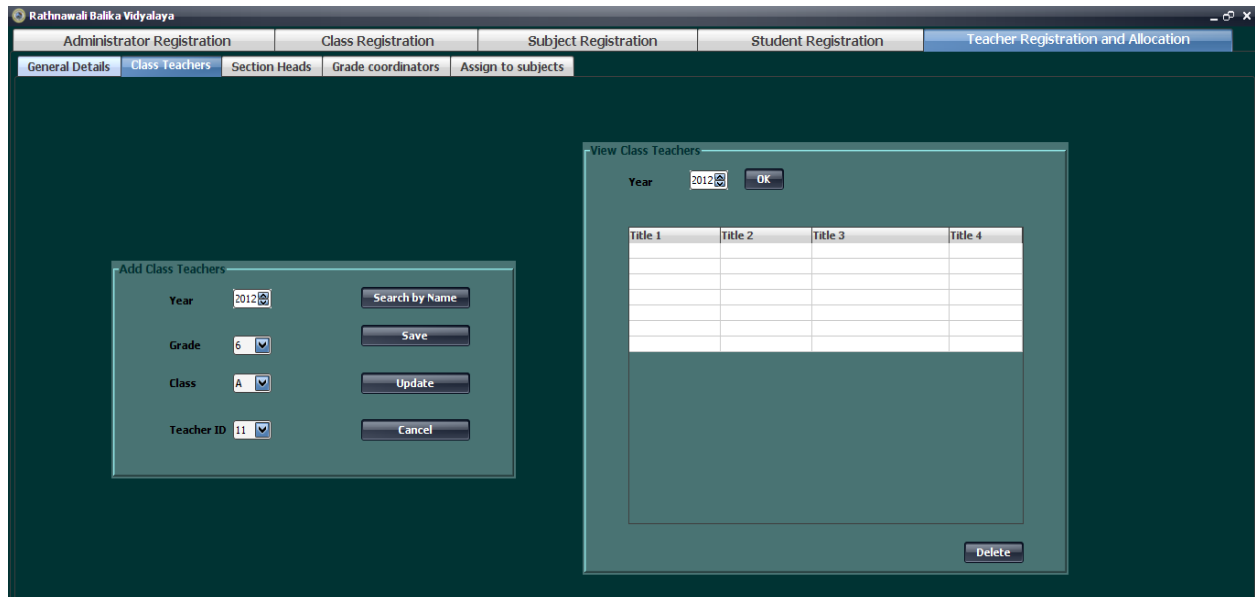


Fig 2.9:Teacher Allocations

### To search a teacher by name for allocation

select the teacher Registration and Allocation tab⇒select the allocation type from semi tab set⇒  
select Search by name button⇒ select a teacher

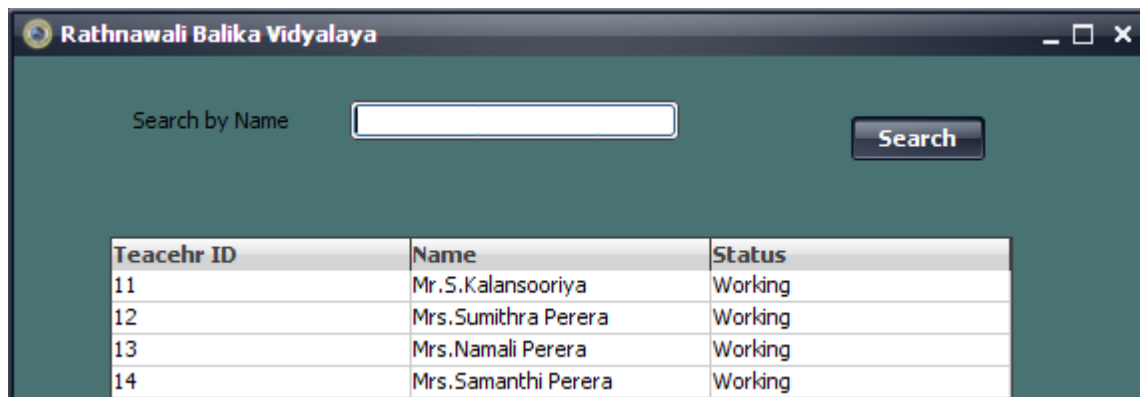
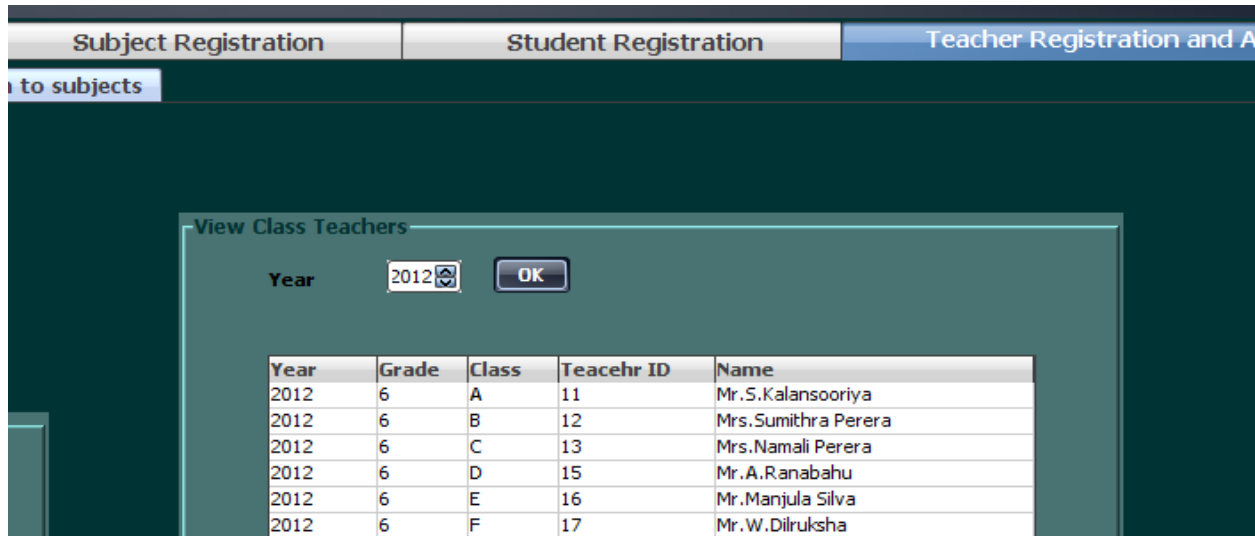


Fig 2.10: Teacher Allocations

### To view teacher allocations

select the teacher Registration and Allocation tab⇒select the allocation type from semi tab set⇒  
select the corresponding year ⇒ click ok botton



**View Class Teachers**

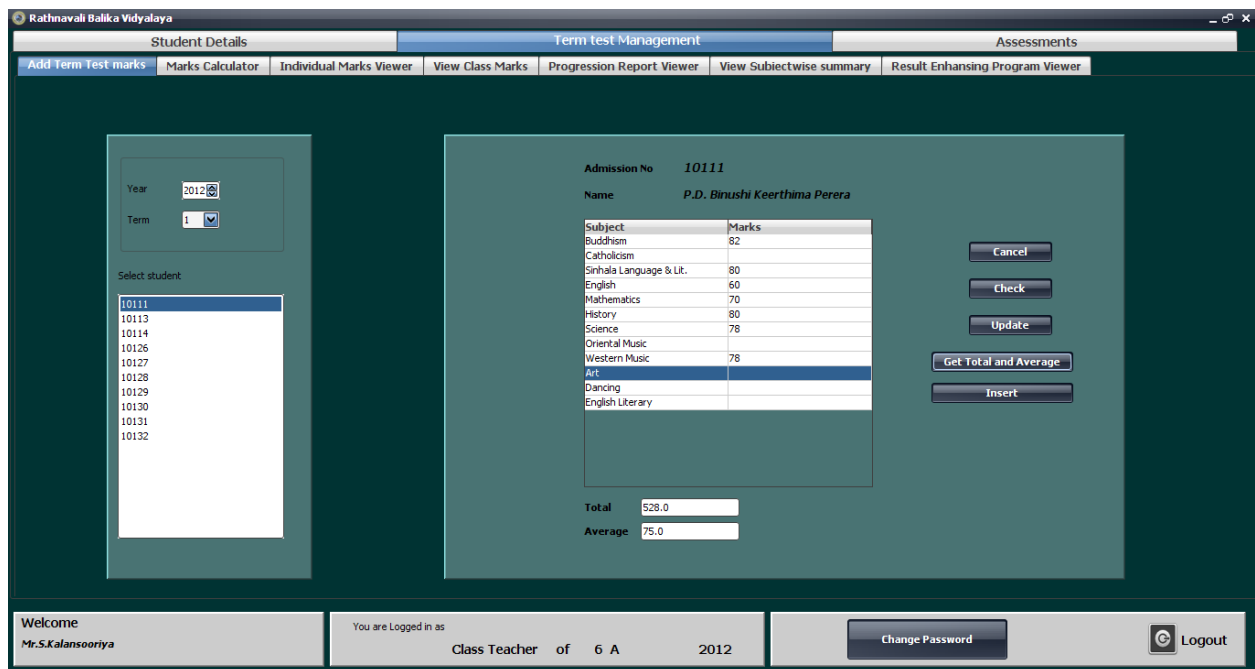
Year: 2012 [OK]

Year	Grade	Class	Teacehr ID	Name
2012	6	A	11	Mr.S.Kalansooriya
2012	6	B	12	Mrs.Sumithra Perera
2012	6	C	13	Mrs.Namali Perera
2012	6	D	15	Mr.A.Ranabahu
2012	6	E	16	Mr.Manjula Silva
2012	6	F	17	Mr.W.Dilruksha

Fig 2.11:View Teacher Allocations

### To insert term test marks

Log as a class teacher⇒ Select Term Test Management tab⇒ select Add Term Test Marks⇒ select the year and term ⇒ select a student admission no (table will appear ) ⇒ enter marks⇒ click on Get Total and Average ⇒ click Insert button.



**Term test Management**

Year: 2012, Term: 1

Select student:

- 10111
- 10113
- 10114
- 10126
- 10127
- 10128
- 10129
- 10130
- 10131
- 10132

Admission No: 10111  
Name: P.D. Binushi Keerthima Perera

Subject	Marks
Buddhism	82
Catholicism	
Sinhala Language & Lit.	80
English	60
Mathematics	70
History	80
Science	78
Oriental Music	
Western Music	78
Art	
Dancing	
English Literary	

Total: 528.0  
Average: 75.0

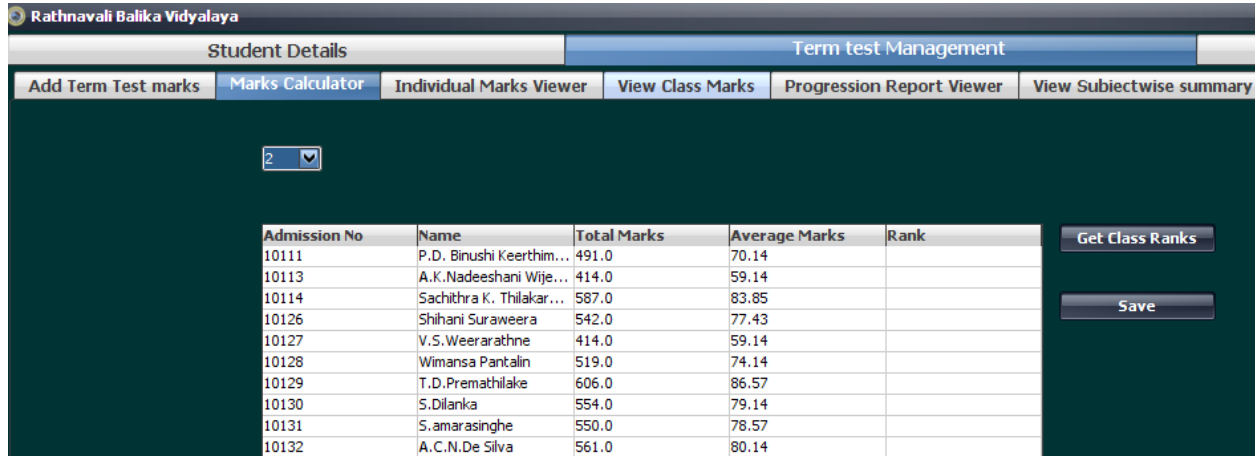
Buttons: Cancel, Check, Update, Get Total and Average, Insert

Welcome: Mr.S.Kalansooriya  
You are Logged in as: Class Teacher of 6 A 2012  
Change Password, Logout

Fig 2.12:Term Test Marks Entering Form

## To calculate class rank by term test marks

Log as a class teacher⇒ Select Term Test Management tab⇒ select Marks calculator select the term from the combo box ⇒ Click on Get class rank button⇒ click save button.



Admission No	Name	Total Marks	Average Marks	Rank
10111	P.D. Binushi Keerthim...	491.0	70.14	
10113	A.K.Nadeeshani Wiye...	414.0	59.14	
10114	Sachithra K. Thilakar...	587.0	83.85	
10126	Shihani Suraweera	542.0	77.43	
10127	V.S.Weeraratne	414.0	59.14	
10128	Wimansa Pantalin	519.0	74.14	
10129	T.D.Premathilake	606.0	86.57	
10130	S.Dilanka	554.0	79.14	
10131	S.amarasinghe	550.0	78.57	
10132	A.C.N.De Silva	561.0	80.14	

Fig 2.13:Term Test Summary of the Class

## To get student wise progression reports

Progression Report Viewer ⇒click on student button⇒ select a student⇒ select values from combo boxes⇒ click on Get report button

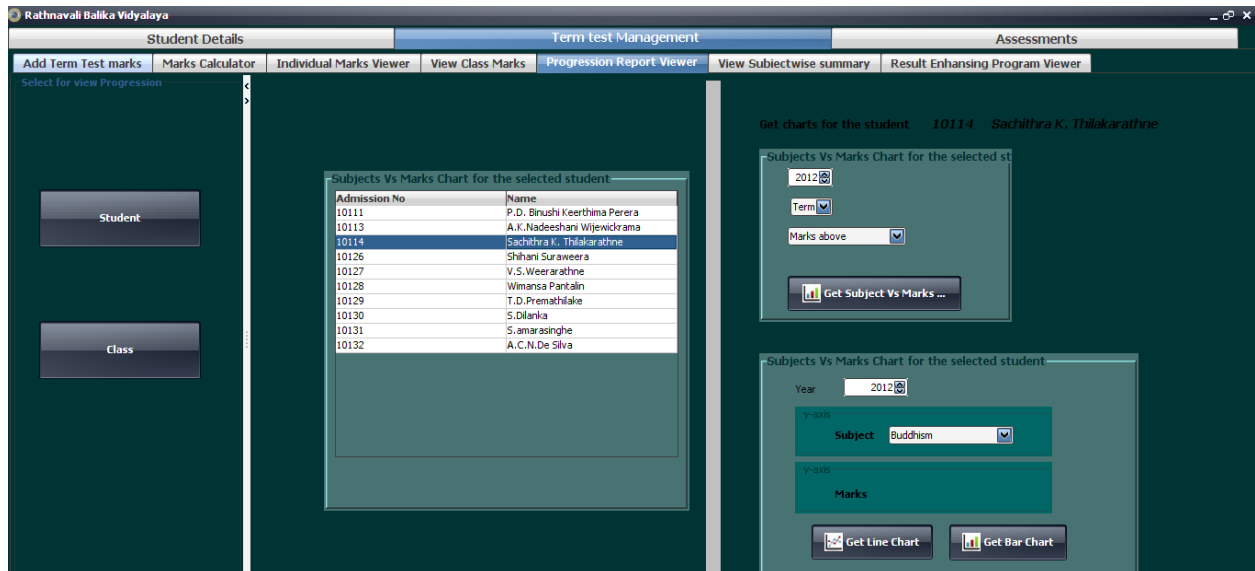
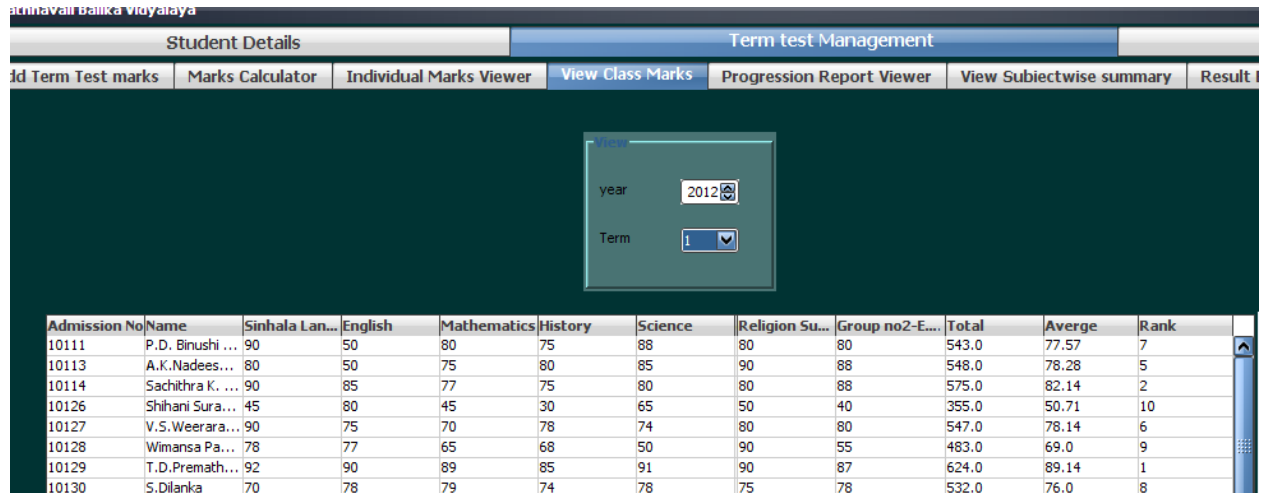


Fig 2.14:Progression Report

## To get class term test summary table

View Class marks ⇒click on student button⇒ select the year and term



Admission No	Name	Sinhala Lan...	English	Mathematics	History	Science	Religion Su...	Group no2-E...	Total	Averige	Rank
10111	P.D. Binushi ...	90	50	80	75	88	80	80	543.0	77.57	7
10113	A.K.Nadees...	80	50	75	80	85	90	88	548.0	78.28	5
10114	Sachithra K. ...	90	85	77	75	80	80	88	575.0	82.14	2
10126	Shihani Sura...	45	80	45	30	65	50	40	355.0	50.71	10
10127	V.S.Weerara...	90	75	70	78	74	80	80	547.0	78.14	6
10128	Wimansa Pa...	78	77	65	68	50	90	55	483.0	69.0	9
10129	T.D.Premath...	92	90	89	85	91	90	87	624.0	89.14	1
10130	S.Dilanka	70	78	79	74	78	75	78	532.0	76.0	8

Fig 2.15:View Class Marks Summary

## To email reports for email address provided

Report Mailing ⇒ click on student table ⇒ select term and generate the report ⇒ Browse and select the report ⇒ Click on email button

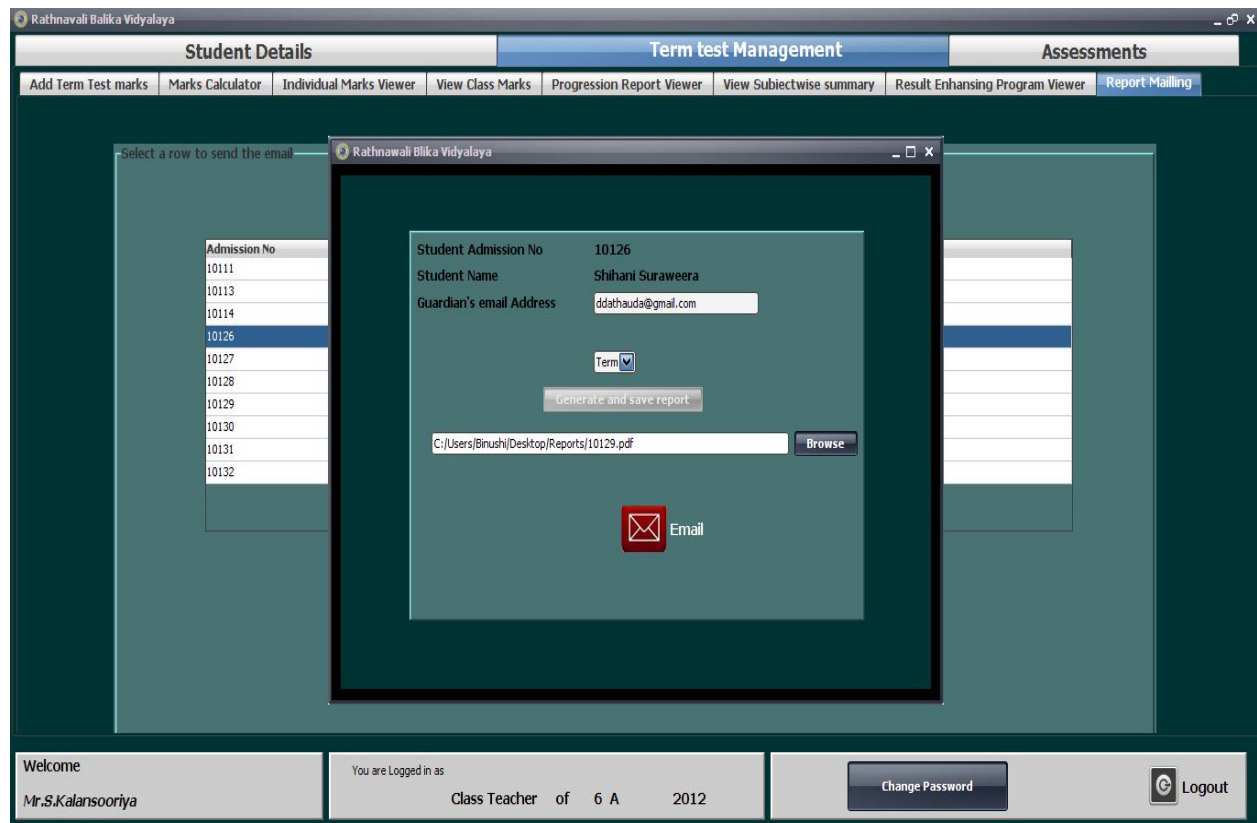


Fig 2.16: Mailing reports