

# **Hostel Management System**

**DEVELOPED BY**

Name: SM Shakil Ahmed

University Roll No: 16104025

Email: <mailto:shakilcse25@gmail.com>

**BANGLADESH ARMY UNIVERSITY OF ENGINEERING & TECHNOLOGY (BAUET)**

**QADIRABAD CANTONMENT, NATORE-6431**

## Here you will see only the screenshot of the project

### 1. Admin Login

Login

E-Mail Address

Password

☐ Remember Me

[Forgot Your Password?](#)

### 2. Admin Dashboard

BAUET

Boral Hall

Dashboard

Student

Manage Room

Manage Meal

Monthly Cost

Manage Employee

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Dashboard

Total Student(Present)  
8  
Active Student

Total Meal Day(s)  
1  
Current Month

Total Meal Cost  
704  
Current Month

Student Total Cost  
26704  
Current Month

Total Deposit Collection  
0  
Current Month

New Registered Student  
13  
Last Two Month

Recently Student Vacant  
10  
Last Two Month

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Version 1.0.0

Waiting for magictraps.com...

## 4. Add New Room

The screenshot shows the 'Create New Room' form in the BAUET Hall Management System. The form has three input fields: 'Room No\*', 'Total Sit\*', and 'Room Charge(Per Sit)\*'. A green 'Submit' button is located at the bottom right of the form. The left sidebar contains navigation options: Dashboard, Student, Manage Room (selected), Create Room, All Room, Fill/Vacant History, Manage Meal, Monthly Cost, and Manage Employee. The top header shows the system name 'BAUET HALL MANAGEMENT SYSTEM' and the user 'Boral Hall'.

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## 4. Room List with allocated Student

The screenshot shows the 'Manage Rooms' table in the BAUET Hall Management System. The table displays a list of rooms with their details and actions. The table has columns: Serial, Room No, Room Charge(Per Sit), Max Sit, Student, Available Sit, and Action. The table is filtered to show 10 entries. The left sidebar contains navigation options: Dashboard, Student, Manage Room (selected), Create Room, All Room, Fill/Vacant History, Manage Meal, Monthly Cost, and Manage Employee. The top header shows the system name 'BAUET HALL MANAGEMENT SYSTEM' and the user 'Boral Hall'.

Serial	Room No	Room Charge(Per Sit)	Max Sit	Student	Available Sit	Action
1	101	3500	3	Md.Ariul islam Md Kafi Ahmed	1	Fill Vacant Update Delete
2	202	2500	6	Shariful Islam Nur A alam	4	Fill Vacant Update Delete
3	102	3500	3	MD Makhon Lal Md Nayem	1	Fill Vacant Update Delete
4	106	3000	4	Md Saniat Ahmed	3	Fill Vacant Update Delete
5	404	4000	2	SM shakil Ahmed	1	Fill Vacant Update Delete
6	502	3500	3		3	Fill Vacant Update Delete

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## 5. Vacant Functionality of Student

The screenshot displays the BAUET Hall Management System interface. A modal titled "Student in the Room" is open, showing two entries:

Student Name	Room No	Status
Md.Ariul islam(16114023)	101	Vacant
Md Kafi Ahmed(16114098)	102	Vacant

The background shows the "Manage Rooms" section with a table of room details:

Serial	Room No	Room Capacity	Room Name	Room Status	Action
1	101	3500	Md.Ariul islam Md Kafi Ahmed	1	Fill Vacant Update Delete
2	202	2500	Shariful Islam Nur A alam	4	Fill Vacant Update Delete
3	102	3500	MD Makhon Lal Md Nayem	1	Fill Vacant Update Delete
4	106	3000	Md Saniat Ahmed	3	Fill Vacant Update Delete
5	404	4000	SM shakil Ahmed	1	Fill Vacant Update Delete
6	502	3500		3	Fill Vacant Update Delete

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## 6. Register a student to a room

The screenshot displays the BAUET Hall Management System interface for adding a new student. The form includes the following fields:

- Upload Student Image \***: Choose File (No file chosen)
- Name \***: Text input field
- Department \***: Choose option (dropdown menu)
- Department ID \***: Text input field
- Batch \***: Choose option (dropdown menu)
- Session \***: Text input field
- Blood Group \***: Choose option (dropdown menu)
- Father Name \***: Text input field
- Father Phone No**: Text input field
- Mother Name \***: Text input field
- Mother Phone No**: Text input field
- Parent Phone No \***: Text input field

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7. You can add a student who are registered in the system but not allocated in the room or switch one room to another.

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Pick existed student to fill this room.

Dashboard / All Room / Add Student / Add Existed Student

DataTable with students who aren't allocated any room yet!

Show 10 entries

Search:

Name	Department	Department ID	batch	Status	Action
MD Makhon Lal	EEE	16114029	5th	Non-Resident	Fill

Showing 1 to 1 of 1 entries

Previous 1 Next

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8. You can see the details of the student from according to room

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Manage Rooms

DataTable with Room Details

Show 10 entries

Serial	Room No	Room
1	101	35
2	202	25
3	102	35
4	106	30
5	404	40
6	502	25

Room Allocation Date: 21/12/2019

Md. Ariul islam

ID: 16114023 DEPT: CSE Batch: 3rd Blood Group: A-

Phone: 01677153967

Gmail: arif@gmail.com

Room No: 101 Session: 20-1516

Father Name: rohomotullah kabir Father Phone: 0167363753

Mother Name: banu akter Mother Phone: 0187698474

Registered Date: 10/09/2019

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9. Track Student Room Allocation (Vacant and Fill)

BAUET HALL MANAGEMENT SYSTEM

Fill and Vacent Tracking History

DataTable with fill and vacent history

Show 10 entries Search:

Name	Student Id	Department	Room No	Action	Date
MD Makhon Lal	16114029	EEE	102	Vacant	29/12/2019
Shariful Islam	16114026	EEE	202	Fill	24/12/2019
Shariful Islam	16114026	EEE	202	Vacant	24/12/2019
Nur A alam	16114032	CSE	202	Fill	21/12/2019
Md Nayem	17104018	ENGLISH	102	Fill	21/12/2019
MD Makhon Lal	16114029	EEE	102	Fill	21/12/2019
Md Kafi Ahmed	16114098	CSE	101	Fill	21/12/2019

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## 10. Manage and Update Student Information

BAUET HALL MANAGEMENT SYSTEM

Manage And Update Student Information

Student / Student Information

☒ Residential ☐ Non-Residential

Select Batch: All, 1st, 2nd

Select Department: ALL, CSE, EEE

DataTable with Student Information

Show 10 entries Search:

Name	Department ID	Room No	batch	Department	Phone	Blood Group	Action
SM shakil Ahmed	16114022	404	12th	CSE	01677153967	O+	<a href="#">Details</a> <a href="#">Update</a>
Md.Ariul islam	16114023	101	3rd	CSE	01677153967	A-	<a href="#">Details</a> <a href="#">Update</a>
Shariful Islam	16114026	202	5th	EEE	01847349348	B-	<a href="#">Details</a> <a href="#">Update</a>
MD Makhon Lal	16114029	102	5th	EEE	01677-153967	A-	<a href="#">Details</a> <a href="#">Update</a>

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## 11. Updating Student Information

127.0.0.1:8000/editstudent/26

BAUET HALL MANAGEMENT SYSTEM

Update Student Information

Student / Dashboard



Update Student Image \*

Choose File No file chosen

Name \* SM shakil Ahmed

Department\* CSE

Department ID \* 16114022

Batch\* 12th

Session\* 20-1516

Blood Group\* O+

Father Name \*

Father Phone No

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## 12. Select a particular month for meal calculation

127.0.0.1:8000/select\_month\_page

BAUET HALL MANAGEMENT SYSTEM

Select a month to manage student meal history

Dashboard / Select Month(Student Meal)

Select Month: December 2019 View Meal

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### 13. All meal day of December, 2019

The screenshot displays the BAUET Hall Management System interface. The left sidebar contains navigation options: Boral Hall, Dashboard, Student, Manage Room, Manage Meal (selected), Student Meal, Search Student Meal, Employee Meal, Monthly Cost, and Manage Employee. The main content area is titled 'BAUET HALL MANAGEMENT SYSTEM' and shows 'All Meal(s) day of December, 2019'. A 'Data Found!' notification is visible. Below the title, there is a form to 'Add new meal at December, 2019' with fields for 'Date' (12/dd/2019) and 'Bazar Cost', and an 'Add New Meal' button. A table titled 'DataTable with all meals at this month.' shows the following data:

Date	Bazar Cost	No of Meal	Action
26/12/2019	700	8	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

At the bottom, it says 'Developed By Shakil Ahmed(CSE 3rd Batch)' and 'Version 1.0.0'.

### 14. Meal calculation of all active students of a particular day of December, 2019

There are some criteria we have to think to generate the meal cost of particular student. They are:-

- Student have to bear all employee's meal of the hall. You can manage and control the employee's meal (screenshot provided at the end)
- There may be some days, student can choose egg instead of fish and then they have to pay 20 tk less from the regular basis meal rate. So all the student and employee have to pay the egg cost (average egg cost) to overcome this.
- So, if bazar cost is 700, total student = 8; total meal = 8(student) + 2(employee) = 10
- Suppose one student choose egg and pay 20 tk less, so average egg cost =  $20/10 = 2$
- So overall meal rate =  $700/10 = 70 + 2(\text{average egg cost}) = 72$



- So employee cost =  $(72 \times 2) = 144$  divided by total number of student including who have zero meal. So average employee cost =  $144/8 = 18$
- So final meal rate with egg cost =  $(70 + 2) = 72$  and with average employee cost =  $72 + 18 = 90$

Look how the all meal cost is equal to bazar cost and there is no error...

The screenshot displays the 'BAUET HALL MANAGEMENT SYSTEM' interface. The left sidebar shows navigation options: Dashboard, Student, Manage Room, Manage Meal (selected), Student Meal, Search Student Meal, Employee Meal, Monthly Cost, and Manage Employee. The main content area shows filters for Select Floor (All, 1st, 2nd), Select Batch (All, 1st, 2nd), and Select Department (ALL, CSE, EEE). Below these are checkboxes for 'Set all meal zero initially' and 'Set all meal one initially'. A summary bar shows: Date: 26/12/2019, Bazar Cost: 700, Meal No: 8, Total Meal Cost: 700, Meal Rate: 72.0, Avg Employee Cost: 18.0. A table lists meal entries with columns: Name, ID, Room, Batch, Department, Meal No, Meal Cost, Egg, and Action. The table contains 6 rows of data. At the bottom, it says 'Developed By Shakil Ahmed(CSE 3rd Batch)' and 'Version 1.0.0'.

Name	ID	Room	Batch	Department	Meal No	Meal Cost	Egg	Action
SM shakil Ahmed	16114022	404	12th	CSE	1	90.0	<input type="checkbox"/>	Delete
Md.Ariul islam	16114023	101	3rd	CSE	1	70.0	<input checked="" type="checkbox"/>	Delete
Shariful Islam	16114026	202	5th	EEE	1	90.0	<input type="checkbox"/>	Delete
MD Makhon Lal	16114029	102	5th	EEE	1	90.0	<input type="checkbox"/>	Delete
Nur A alam	16114032	202	3rd	CSE	1	90.0	<input type="checkbox"/>	Delete

## 15. Student meal record search by id and month

The screenshot displays the 'BAUET HALL MANAGEMENT SYSTEM' interface with a search results overlay. The overlay shows a green checkmark and 'Data Found!'. Below the search bar, it says 'DataTable with all meal history of this student'. The search criteria are: Student ID: [input], Select Month: [input], Search: [button]. The results show: Month: December, 2019, Name: SM shakil Ahmed, ID: 16114022, Batch: 12th, Department: CSE. Summary: Total Meal No: 1, Total Meal Cost: 79.5455. A table lists meal records with columns: Date, Meal No, Meal Cost, and Egg. The table contains 1 row of data. At the bottom, it says 'Developed By Shakil Ahmed(CSE 3rd Batch)' and 'Version 1.0.0'.

Date	Meal No	Meal Cost	Egg
26/12/2019	1	79.5455	0

## 16. Manage Student Monthly Calculation.

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Update and Manage student's monthly calculation

Dashboard / All month

DataTable to manage available month's calculation

**Add New Month:**

Month:-  Electricity Bill  Internet Bill

Month	Electric Bill	Internet Bill	Action
December, 2019			<input type="button" value="Manage Cost"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

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## 17. Validation checking to add a new month.

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Update and Manage student's monthly calculation

Dashboard / All month

DataTable to manage available month's calculation

The month has already been taken.

**Add New Month:**

Month:-  Electricity Bill  Internet Bill

Month	Electric Bill	Internet Bill	Action
December, 2019	300	500	<input type="button" value="Manage Cost"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

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18. Now select a month and see the all student monthly due, surplus etc.

The screenshot displays the BAUET Hall Management System interface. The left sidebar contains navigation options: Dashboard, Student, Manage Room, Manage Meal, Monthly Cost (selected), and Manage Employee. The main content area is titled "BAUET HALL MANAGEMENT SYSTEM" and shows "Student's monthly calculation(December, 2019)". It includes a summary for December 2019: Electric Bill: 300, Internet Bill: 500. Below this is a table with student monthly calculations. The table has columns for ID, Room, Electric Bill, Internet Bill, Seat Charge, Total Meal, Meal Charge, Total Cost, Total Deposit, Surplus, and Action. The surplus values are highlighted in red. A modal dialog is open for updating the monthly calculation for SM shakil Ahmed, showing a deposit of 6000.

ID	Room	Electric Bill	Internet Bill	Seat Charge	Total Meal	Meal Charge	Total Cost	Total Deposit	Surplus	Action
16114022	404	300	500	4000	1	80	4880	0	-4880	<button>Update</button> <button>Delete</button>
16114023	101	300	500	3500	2	143	4443	0	-4443	<button>Update</button> <button>Delete</button>
16114026	202	300	500	2500	1	80	3380	0	-3380	<button>Update</button> <button>Delete</button>
16114029	102	300	500	3500	1	80	4380	0	-4380	<button>Update</button> <button>Delete</button>

19. You can update deposit and see the result after updating

The screenshot shows the same BAUET Hall Management System interface as before, but with a modal dialog open for updating the monthly calculation for SM shakil Ahmed. The dialog has a title "Update Monthly Calculation for SM shakil Ahmed" and a field for "Deposit(This Month)" with the value 6000. There is an "Update" button and a "Close" button. The background table is dimmed.

ID	Room	Electric Bill	Internet Bill	Seat Charge	Total Meal	Meal Charge	Total Cost	Total Deposit	Surplus	Action
16114022	404	300	500	4000	1	80	4880	0	-4880	<button>Update</button> <button>Delete</button>
16114023	101	300	500	3500	2	143	4443	0	-4443	<button>Update</button> <button>Delete</button>
16114026	202	300	500	2500	1	80	3380	0	-3380	<button>Update</button> <button>Delete</button>
16114029	102	300	500	3500	1	80	4380	0	-4380	<button>Update</button> <button>Delete</button>

BAUET HALL MANAGEMENT SYSTEM

Student's monthly calculation(December, 2019)

December, 2019 | Electric Bill: 300 | Internet Bill: 500

Add Student

Show 10 entries

ID	Room	Electric Bill	Internet Bill	Seat Charge	Total Meal	Meal Charge	Total Cost	Total Deposit	Surplus	Action
16114022	404	300	500	4000	1	80	4880	6000	1120	<a href="#">Update</a> <a href="#">Delete</a>
16114023	101	300	500	3500	2	143	4443	0	-4443	<a href="#">Update</a> <a href="#">Delete</a>
16114026	202	300	500	2500	1	80	3380	0	-3380	<a href="#">Update</a> <a href="#">Delete</a>
16114029	102	300	500	3500	1	80	4380	0	-4380	<a href="#">Update</a> <a href="#">Delete</a>

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## 20. You can manage and update employee's Information and their meals

BAUET HALL MANAGEMENT SYSTEM

Manage Employee

Employee Information

DataTable with employee's information

Add Employee Information:

Add Employee

Show 10 entries

Serial No	Name	Position	Email	Phone	Address	Action
1	S M shakil Ahmed	worker	arif@gmail.com	018347383824	sh	<a href="#">Update</a> <a href="#">Delete</a>
2	Shariful Islam	worker	arif@gmail.com	01753403591	ngn	<a href="#">Update</a> <a href="#">Delete</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

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BAUET

Boral Hall

Dashboard

Student

Manage Room

Manage Meal

Student Meal

Search Student Meal

Employee Meal

Monthly Cost

Manage Employee

BAUET HALL MANAGEMENT SYSTEM

Boral Hall

Employee's Meal at - 26/12/2019

Dashboard / Select Month / Employee's Meal

DataTable with employee's meal

Employee Meal in this month

Date: 26/12/2019

Bazar Cost: 700

Meal No: 2

Total Meal Cost: 128

Meal Rate: 63.64

Avg Employee Cost: 16.00

Name	Job Position	Phone	Meal no	Mela Cost	Action
S M shakil Ahmed	worker	018347383824	1	64.0	Delete
Shariful Islam	worker	01753403591	1	64.0	Delete

Total Meal Cost: 128

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