

## **Assignment for Students Training Program Employee Attendance System**

**This project work is being assigned to students towards partial fulfillment of Training Program. The onus of completion of project work lies with the students.**

### **Project Guidelines**

**A) Students are required to submit the Following on completion of the project.**

1. Source Code in Original
2. Compiled Source Code /Executable
3. Backup of database
4. Complete documentation of the project as follows
  - 4A. System Requirement Specification
  - 4B. Project Plan
  - 4C. High Level Design (HLD) Document
  - 4D. Low Level Design (LLD) Document
  - 4E. Test Report (Unit Test report)
  - 4F. Implementation Document

**B) Evaluation of the Project work will be done on a scheduled date where the students will be tested on knowledge base of their relevant projects.**

**c) The Evaluation of the Project will be done considering following parameters**

1. Process Compliance : Knowledge about the Application
2. Subject Knowledge Compliance : Knowledge on front End/Back end/ SDLC
3. Quality Compliance : user Interface, Coding standards, Exception handling etc
4. Project Documentation and Presentation : Document quality and viva voice
5. Implementation Process Knowledge : Knowledge on implementation of project

**N.B.**

**Students missing the evaluation test and/or submission of documentation are not be entitled for the certification.**

## **Phases in Project Execution**

The project will be carried out in the following phases:

- **Planning:** This phase involves the analysis of the various business and technical requirements according to the specifications given in the case study.
- **Designing:** This phase involves creating a design for the project by using DFD, Flow Chart.
- **Development:** This phase involves developing the project based on the specifications.
- **Testing, debugging, and performance tuning:** This phase involves testing the project before submitting it to the coordinator.
- **Documentation:** In this phase, the project documentation should be submitted to the coordinator as per the formats given in sample documentation. The documentation needs to be submitted to the faculty before the project walkthrough.

## **Project Standards and Guidelines**

You should adhere to the following standards and guidelines when creating the project:

- The purpose of each component should be documented clearly before designing the final solution.
- Consistent and proper variable naming conventions should be followed across the project.
- The user interface of the application should be user friendly.
- All files should start with a description of the working of the file as a comment.
- File names should be meaningful and should be saved in the appropriate project directory.
- All variables and constants must be defined at the very beginning of the file/class/module according to the scope of these entities.
- All variable, function, and class names should be meaningful and should convey their use. For example, a variable to store balance amount can be named as iBalanceAmount.
- First letter of the variable names should be in small letters and should specify the data type of the variable. Rest of the name should imply the functionality of the variable.
- Comments should be placed before the definition of each class and function to explain the functionality of the class/function.
- Appropriate comments can be placed within the code where some complex logic/algorithm is being used.
- No unused variables or constants should be used in the code.
- No commented code should remain in the code.
- Code should be properly indented to provide clarity.
- Table names in the database should be meaningful.

## **Project Activities**

During project development, you need to work individually on any one of the allocated projects. The following are the tasks that provide a suggested break-up of activities that you should perform in the project:

- Design the user interface of the application to make it user friendly.
  - Integrate data with any database like SQL Server /Oracle/MS Access etc
  - Implement business functionalities of the system in the application.
  - Do proper testing of the whole application
  - Make a documents as prescribed

## Employee Attendance System

Employee Logs in through secured User-Id and password

**Welcome to ESS**

Please enter your User ID & Password to login...

User ID

00054

Password

...

Note : Password is case sensitive

Login

## Employee Attendance System Admin Function

### Employee Registration

- New employee is registered with personal details

New Employee Registration

Update

Official	
Employee Name	Prasanta Behera
Employee ID	00054
Company	Bytech India
Password	.....
Confirm Password	.....
Email ID	prasanta.behera@bytechindia.
Location	New Delhi
Extension	011-43624400

Personal	
Date of Birth	07/09/1968 [mm/dd/yyyy]
Address	Flat-9, Pocket-I Sector -14, Dwarka
City	New Delhi
State	Delhi
Pincode	110075
Phone	011-23320999
Mobile	9350145533
Remarks	Manager IT & Business Development

## Employee Attendance System Admin Function

### Attendance Entry By Administrator

➤ Administrator can update attendance for the employee in emergency or for valid reasons

**Admin Entry for Anil Gupta**

Time	Remarks
<input type="radio"/> (By Admin) 5:31:58 PM Or <input checked="" type="radio"/> In 10 31 58 AM	Late due to Traffic-Intimated Office
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

**Admin Entry for Anil Gupta**

(By Admin) In 10:31:58 AM	Late due to Traffic-Intimated Office
(By Admin) Out 3:00:00 PM	Went to Client Site(Hp India)
<input type="radio"/> (By Admin) 5:35:05 PM Or <input checked="" type="radio"/> In 6 00 05 PM	Came back from Client Site
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

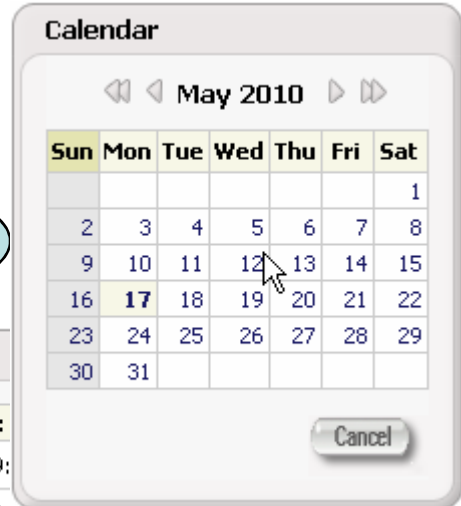
## Employee Attendance System Admin Function

### Any day's status

- Administrator can view status of all employees for any day
- Administrator Can view and Update profile of any employee



Click to Select  
Date for which  
Status is required



### Today's Status...

#	Name	Time & Remarks	HH :	
1	Sunny	In 6:57:00 PM In	9:	
2	Himanshu Jhamb	Out 6:56:00 PM Out	9:33:00	[view profile]
3	Rahul Chopra	In 6:56:00 PM In Out 6:56:00 PM Out	9:33:00	[view profile]
4	Priyanka A	Out 6:54:00 PM Out	9:33:00	[view profile]
5	Roopika H S	Out 6:51:00 PM Out	9:31:00	[view profile]
6	Vikash Thakur	Out 6:49:00 PM Out	9:34:00	[view profile]
7	Shailender	In 6:46:00 PM In	7:24:57	[view profile]
8	Mohd. Asjad	Out 6:44:00 PM Out	9:20:00	[view profile]
9	Parvesh Kumar	Out 6:44:00 PM Out	9:12:00	[view profile]
10	Upendra Prasad Yadav	Out 6:44:00 PM Out	9:04:00	[view profile]

View and Update  
Employee Profile

## Employee Attendance System Admin Function

### Employee wise – Month wise Status

➤ Administrator can view status of any employee for any month by selecting Name, Month, Year

January 2010 Prasanta Update

**Prasanta's January 2010 Status**

#	Name	Time & Remarks	HH : MM : SS
1	Friday, January 01, 2010		
2	Saturday, January 02, 2010		
3	Sunday, January 03, 2010		
4	Monday, January 04, 2010	<div style="text-align: center;">In 9:21:00 AM In</div> <div style="text-align: center;">Out 7:59:00 PM Out</div>	10:38:00
5	Tuesday, January 05, 2010	<div style="text-align: center;">In 9:30:00 AM In</div> <div style="text-align: center;">Out 7:24:00 PM Out</div>	9:54:00
6	Wednesday, January 06, 2010	<div style="text-align: center;">In 9:34:00 AM In</div> <div style="text-align: center;">Out 7:35:00 PM Out</div>	10:01:00
7	Thursday, January 07, 2010	<div style="background-color: yellow; text-align: center;">(By Admin) 9:40:10 AM Coming late In @ 9:45</div> <div style="text-align: center;">In 9:46:00 AM In</div> <div style="text-align: center;">In 9:46:00 AM In</div> <div style="text-align: center;">Out 2:01:00 PM Out</div> <div style="text-align: center;">In 2:17:00 PM In</div> <div style="text-align: center;">Out 8:07:00 PM Out</div>	10:21:00
8	Friday, January 08, 2010	<div style="background-color: yellow; text-align: center;">(By Admin) 9:56:44 AM Coming Late :- In @ 10:00</div> <div style="text-align: center;">In 10:01:00 AM In</div> <div style="text-align: center;">Out 8:14:00 PM Out</div>	10:13:00

## Employee Attendance System Admin Function

### Update Standard Holidays:

All approved holidays are updated by administrator with detail so that system can manage applicable leaves and synchronize with attendance and MIS

Standard Holidays for 2010
No Holidays

EDIT - Holiday  
EDIT\* - Restricted Holiday  
(R) - Restricted Holiday

Holidays for

May 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 EDIT
2 EDIT	3 EDIT	4 EDIT	5 EDIT	6 EDIT	7 EDIT	8 EDIT
9 EDIT	10 EDIT	11 EDIT	12 EDIT	13 EDIT	14 EDIT	15 EDIT
16 EDIT	17 EDIT	18 EDIT	19 EDIT	20 EDIT	21 EDIT	22 EDIT
23 EDIT	24 EDIT	25 EDIT	26 EDIT	27 EDIT	28 EDIT	29 EDIT
30 EDIT	31 EDIT					

Edit Holiday for Sat, 1 May, 2010

Holiday Name

Note : Empty Holiday Name will cancel the holiday

☐ Restricted Holiday

Update Cancel



## Employee Attendance System Admin Function

### Update Standard Leaves of Employees:

➤ Authorized no of leaves as applicable by organization policy is updated for individual employee.

Standard Leaves for year 2010

Update

#	Name	Earn Leaves	Sick Leaves	Casual Leaves	Total	
1	Anand Singh Rawat	18	7	5	30	Update
2	Anil Gupta	18	7	5	30	Update
3	Anil Kumar Sinha	18	7	5	30	Update
4	Ashish Mishra	18	7	5	30	Update
5	Ashish Mukherjee	18	7	5	30	Update
6	B. Anavaradha Sankar	18	7	5	30	Update
7	Bhawna Goglan	18	7	5	30	Update
8	Bishwajit	18	7	5	30	Update
9	C.Srikanth	18	7	5	30	Update
10	Deepak Kumar Bidlan	18	7	5	30	Update

## Employee Attendance System Admin Function

### Update Aailed Leave of Employee:

- Allows to Update availed leave status for any day of the year.
- Gives Updated Status of leaves for the year for an employee.

May 2010 Prasanta Update

00054's	EL	SL	CL	Total	LWP
<b>Opening Balance for 2010</b>	<b>18</b>	<b>7</b>	<b>5</b>	<b>30</b>	<b>---</b>
Leaves except for May 2010	0	0	0	0	0
Leaves taken for May 2010	1	0	0	1	0
<b>Leaves taken for 2010</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>Remaining leaves for 2010</b>	<b>17</b>	<b>7</b>	<b>5</b>	<b>29</b>	<b>---</b>

Prasanta's May 2010 Leave Status

Update Leaves for 00054

#	Date	1 <sup>st</sup> Half	2 <sup>nd</sup> Half	Remarks	
1	Saturday, May 01, 2010	<input type="radio"/> Present <input type="radio"/> Client Side <input checked="" type="radio"/> On Leave <input checked="" type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP	<input type="radio"/> Present <input type="radio"/> Client Side <input checked="" type="radio"/> On Leave <input checked="" type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP	on leave	EL EL
2	Sunday, May 02, 2010	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP		P P
3	Monday, May 03, 2010	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP		P P
4	Tuesday, May 04, 2010	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP	<input checked="" type="radio"/> Present <input type="radio"/> Client Side <input type="radio"/> On Leave <input type="radio"/> EL <input type="radio"/> SL <input type="radio"/> CL <input type="radio"/> LWP		P P

## Employee Attendance System Admin Function

### Enable / Disable User Access Right

Employees are allowed/prevented access of Online Employee Attendance System

Update

#	Name	Enable / Disable
1	Hari	<input checked="" type="checkbox"/>
2	Jaspal	<input checked="" type="checkbox"/>
3	Shailender	<input checked="" type="checkbox"/>
4	Rajan	<input checked="" type="checkbox"/>
5	Vinay Singh	<input checked="" type="checkbox"/>
6	Sumit Panda	<input checked="" type="checkbox"/>
7	Prasanta	<input checked="" type="checkbox"/>
8	Srinivasan	<input checked="" type="checkbox"/>
9	R. Biliya	<input checked="" type="checkbox"/>
10	Kondaiah	<input checked="" type="checkbox"/>
11	Shimna Mukundan	<input checked="" type="checkbox"/>
12	Yoginder Singh	<input checked="" type="checkbox"/>
13	Vikash Thakur	<input checked="" type="checkbox"/>
64	Afroz	<input type="checkbox"/>
65	Amit	<input type="checkbox"/>
66	Balaji-Jr	<input type="checkbox"/>

Update