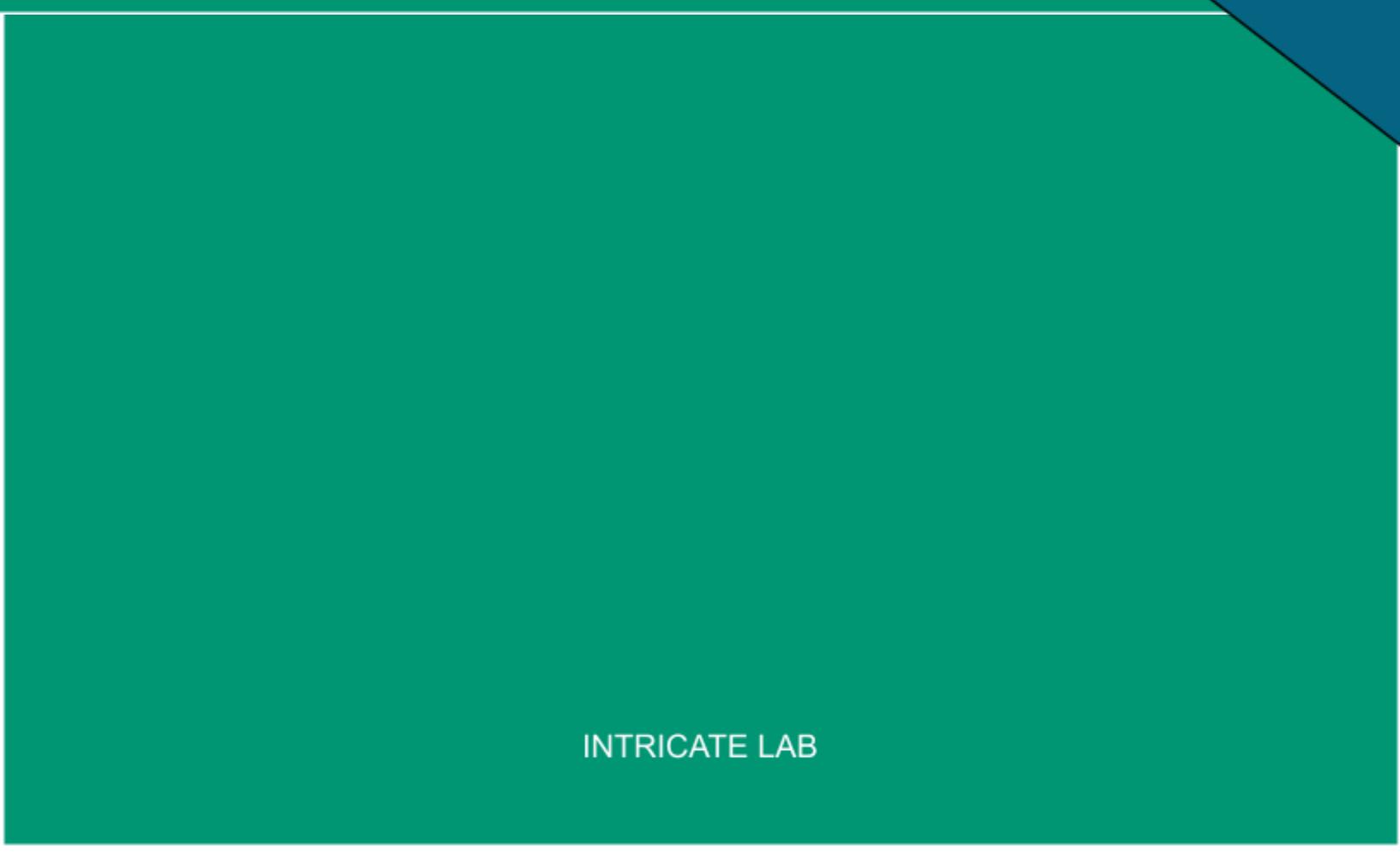


INTRICATE LAB

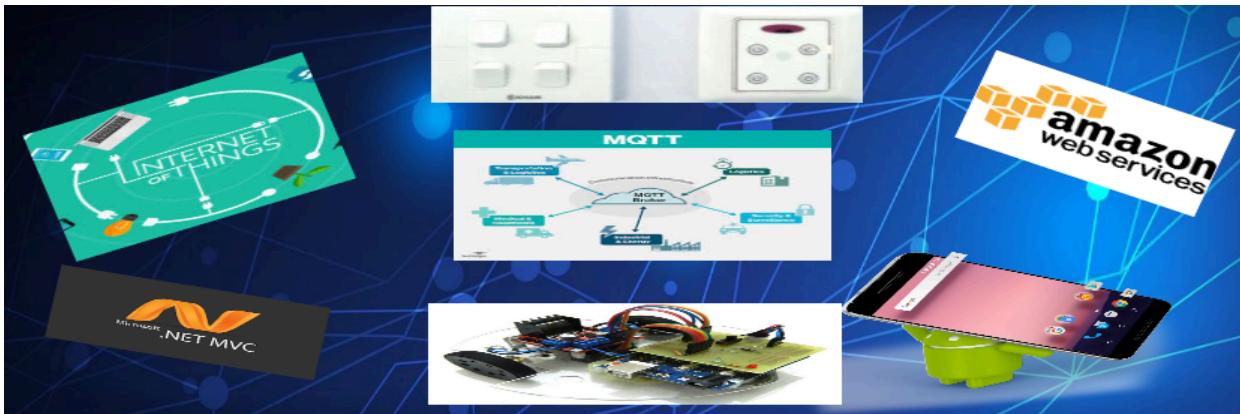


INTRICATE LAB



# Intricate Lab

To make something, Stop at nothing



**Vision:** Build the best product, cause no unnecessary harm, use business to inspire and implement solutions for all people with latest technology.

# Professional Expertise



Full stack Web Development with Angular 8

Node JS & NoSQL & SQL

Mobile App development with IONIC, Java & Flutter

IOT device with STM 32 and AT mega and PIC Microcontroller

Microservice, Monolithic, SOA

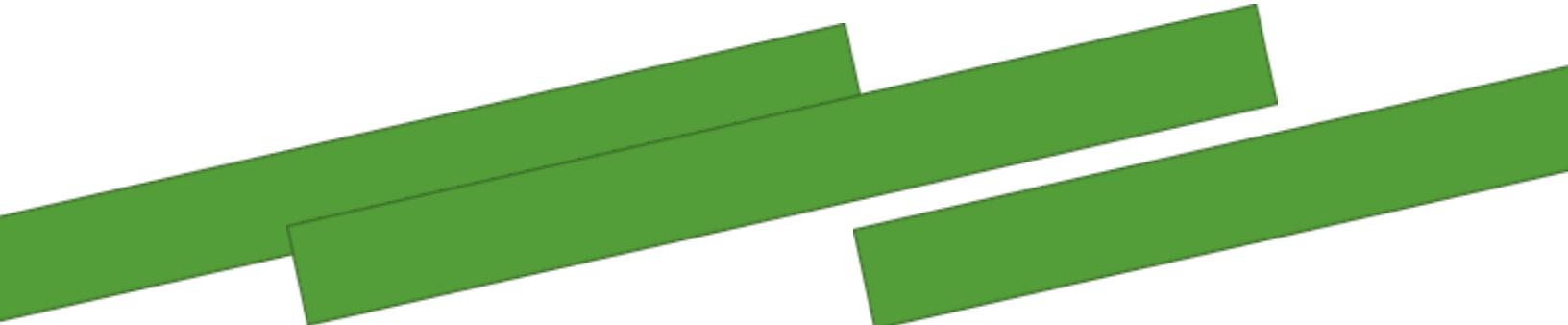
Full Stack web development with .net Core MVC

FAAS, SAAS, IAAS Cloud

AWS lambda, EC2, Big query, API gateway

Industrial automation design & implementation with microcontroller

Electronic circuit design and laser cutting box design



## Our Services

Web Application Development: We develop customized web based application with MEAN(Mongo.Angular,Express,Nodejs) and asp.net mvc framework with sql server

Procurement and supply of Electronics Goods: We provide on-demand supply of Electronics and other scientific Equeipment to Government and semi-government entities

Electronics & PCB Design: We design and make PCB of multiple layer in local and chiness market and we also develop high power application

Biometric Security Element: We provide fingerprint reader with customized software and geade-1 CCTV Camera for offive Application.

Embedded System: We develop microcontroller based custom system. Our expertise is in PIC,AVR,ARM,ARDUINO microcontroller

Desktop App Development: We develop user preferred desktop based Application with 3rd party software development kit using latest .net framework

Androidan and IOS App Develop: We develop customized android application. Our expertise is in Internet of things development for smart device.

## Meet our team

Asif Rahman

B.Sc. in Electronics and Telecommunication

Sheikh Korban

M.sc in Information Technology

Masud Rana

B.SC. in Electrical and Electronics Engineering

Md. Ashraful

Diploma in Electrical and Electronics Engineering

A.S.M. Sayem

B.Sc. in Electronics and Telecommunication

# Kiosk Interactive Learning Aid

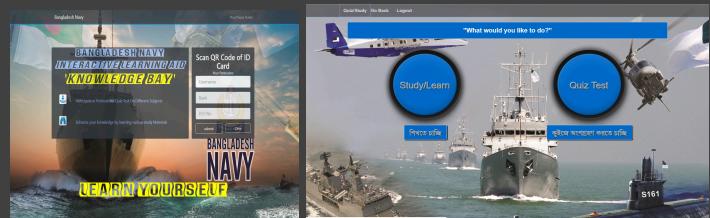


## Objective

- ② Unparalleled access to information in a *Single Device* in a *Secure way*
- ② Improvement of user's knowledge by participating in *Quiz/Tests* in a subject.
- ② Read pdf or view a video or search for a definition in a book like manner for *Learning* on a new topic.
- ② Getting access inside the content software with already existing *Smart Card* of all users and store their *Progress of a Quiz in database* for further evaluation later.
- ② *Issue Certificate* upon completion of a subject's tests to encourage user to learn on a topic and participate in Quizzes
- ② Creating a Unique experience for user with *high quality Graphics* and comfortable enclosure.

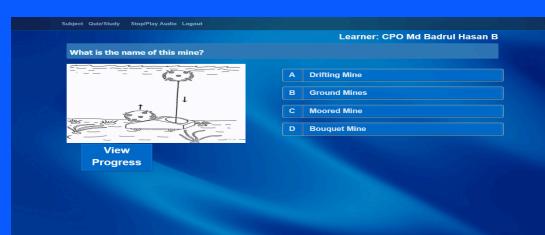
## Brief Description

- ② Interactive learning kiosk or knowledge bay consist of **multiple monitor** and a **uniquely design enclosure** for user comfort. It has a **QR code reader** to read existing smart card of defense personals and a **thermal printer**.
- ② The content software has a quiz/test part where user can **participate in tests** in various subjects and **learning tool** where user can read pdf or see a related video or search for anything in a particular topic.



## Software Details

- Software content consist of a backend for administrator and front end for user.
- Backend consist of a database where administrator can upload quiz/test question based on subject, sub subject .
- Some types of questions are video, image and fill in the blanks type. All question consists of a supporting material like audio, video, image or text which user can take a look if they don't know the answer.
- Admin can also upload pdf and doc along with video of a topic for learning purpose. Pdf appears in the top screen and control of pdf is done from lower touch screen.





Wemey is a smartphone-controlled switching and dimming device. It has **three output** in a single box. Two On/Off and one dimming output. The dimming output has 8 steps and can be used as ceiling fan regulator or light valve dimmer. The Wemey box has 4 built in touch switches. The switch One and two is toggle (means first touch on and second touch off) for light on/off. The third and 4th switch is for dimming at full speed and half speed. The **third switch** second touch switches off dimmer

The most attractive feature for Wemey is it can be controlled via android smartphone app locally or via internet (world wide web). The Wemey server is hosted on **Amazon web service IOT** (Internet of things). So Wemey can be **controlled from anywhere in the world in real time**. User can also connect the device via local router or directly if they don't want to use that feature. The app settings page gives all option to connect. The app can be downloaded from google play store

## Remote Control version Main Feature

- Fully Functional custom remote-controlled switch and dimmer.
- Manual push button option.
- Internal Electronic Triac switching - no sparks.
- Fan speed regulation 1-9 steps with indication.
- Fits in Standard Switch boxes.
- State save in EEPROM. No chance of reset in power cut
- Two on/off output and one dimmer output is available.



NSD Khulna  
Procurement and Tender General Notice Enlisted Supplier Schedule Contact NSD Khulna Hello admin Log off

Welcome to NSD Khulna, OIC: Commadar Shahriar

Downloads  
> Winzip  
> PDF View

User Name  
  
Password  
  
Log In

Welcome to NSD Khulna E-tendering System. Here Supplier can view ongoing Tender schedule and general Notice uploaded by NSD Khulna.  
Enlisted Supplier can also submit their bid online. Uploaded schedule can be edited or removed between before tender opening time. OIC will view the documents and take necessary action.  
Please Contact help Desk for furthur details

Home | Notice | Contact | Bangladesh Navy  
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Developed By: Intricate Lab



NSD Khulna Procurement and Tender General Notice Enlisted Supplier Schedule Contact NSD Khulna Hello admin Log off

Welcome to NSD Khulna, OIC: Commadar Si

View Supplier

Intricate  
Owner: gazi  
Supplier: group 1  
Address: khulna Kharishpur  
Email: gazi@gazi.com

Matrix Tech  
Owner: rvt  
Supplier: group 1  
Address: Hoose- 107/1/g Road- East Kafrel  
Email: rvt@gmail.com

## Objective

## Brief Description

- ② The e-procurement system is a single web portal from where and through which supplier is able to perform their procurement related activities using a dedicated secured web-based dashboard.
- ② Purpose of this project is to provide tendering and procurement in an automated way. This will help the decision makers to control correct procurement, storage, distribution and to take appropriate decisions for the most optimal use of procurement in a single program.
- ② To Submit bid online by supplier for comparative study of documents by decision makers

- ② The overall software has an admin part where user can **create a new tender and publish online for supplier to participate in that tender bid. Once Supplier submits their bid admin can reject and accept bid based on the information provided by supplier.**
- ② The Admin panel is divided into 6 parts with IT, LP, CST, CR, CINS and BILL section
- ② In user panel enlisted supplier with user id can participation in bidding
- ② Report for CINS: Liquidity damage, PPC sales, Waiting for approval etc.

### Software Platform Details

- Platform: ASP .net MVC.
- Database: MS SQL server.
- Web based.
- Web Report.

NSD Khulna    Procurement and Tender    General Notice    Enlisted Supplier    Schedule    Contact NSD Khulna    Hello admin    Log off

**Details of Upload By Asif Rahman**

Rahman

Offered Price  
Price: 1719086713

Supplier Contact	01719086713
Quantity	1
Date	2018-11-10
Quotation	
Other Doc One	
Other Doc Two	
Other Doc Three	
Other Doc Four	

**Delete Data**

NSD Khulna    Procurement and Tender    General Notice    Enlisted Supplier    Schedule    Contact NSD Khulna    Hello admin    Log off

**Create New Tender**

IT Section    CST Section    LP Section    CR Section    CINS/CACINS Section    BILL Section

Date:  yyyy/mm/dd

Letter No:

From:

User:

Type:  Nothing selected

Item Description:

Quantity:

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**All Tender List**

Tender No	Name	Reference	Date	Quantity	Price	Status	Supplier Status
20180115162202	S321450	IT15	2018-10-20	100	100	Open	Supplier Pending Approval
20180115162202	Asif Rahman	IT15	2018-10-20	100	100	Open	Supplier Pending Approval
20180115162202	Others	IT15	2018-10-20	100	100	Open	Supplier Pending Approval
20180115162202	Asif Rahman	IT15	2018-10-20	100	100	Open	Supplier Pending Approval
20180115162202	Asif Rahman	IT15	2018-10-20	100	100	Open	Supplier Pending Approval
20180115162202	Asif Rahman	IT15	2018-10-20	100	100	Open	Supplier Pending Approval

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**List Supplier**

ID	Name	Supplier Name	Group	Company	Phone	Email	Ber Code	IP Det	Published	
1	Asif Rahman	Asif Rahman	group 1	Asif	01719086713	asif@asif.com	2	2	1	1
2	Others	Others	group 2	Others	01719086713	others@others.com	1	1	1	1

NSD Khulna    Procurement and Tender    General Notice    Enlisted Supplier    Schedule    Contact NSD Khulna    Hello admin    Log off

**Tender Details**

Letter No	Tender No	Name	Reference	Date	Price	Status	Description	Quantity	Price Type	Supplier Name	Supplier Status	Remarks
IT15	20180115162202	Asif Rahman	IT15	2018-10-20	100	Open	IT15	100	Open	Asif Rahman	Supplier Pending Approval	Asif Rahman



**Employee Information**

Machine ID	Staff ID	Search	Add	View All	Edit
Name		Report	Save	Delete	Close
Fathers Name					
Mother's Name					
Company	EETHARS	Browse	Picture		
Designation		Remove			
Shift					
Miscellaneous Information					
Join Date	19/01/05	Present Address			
D.O.B.	19/01/05	Permanent Address			
O.T.		Religion	Status		
NID	TIN	Age	Sex		
Phone: _____ E-mail: _____					



## Main Features

- ② Fingerprint Time attendance system consist of a fingerprint scanner hardware with a time attendance HR management software.
- ② The software can be run in any windows PC. It doesn't need server. Just needs to connect with the device via Ethernet port to download data from device.
- ② Software can generate 17 types of reporting like daily attendance monthly attendance, Leave etc.

## Modules

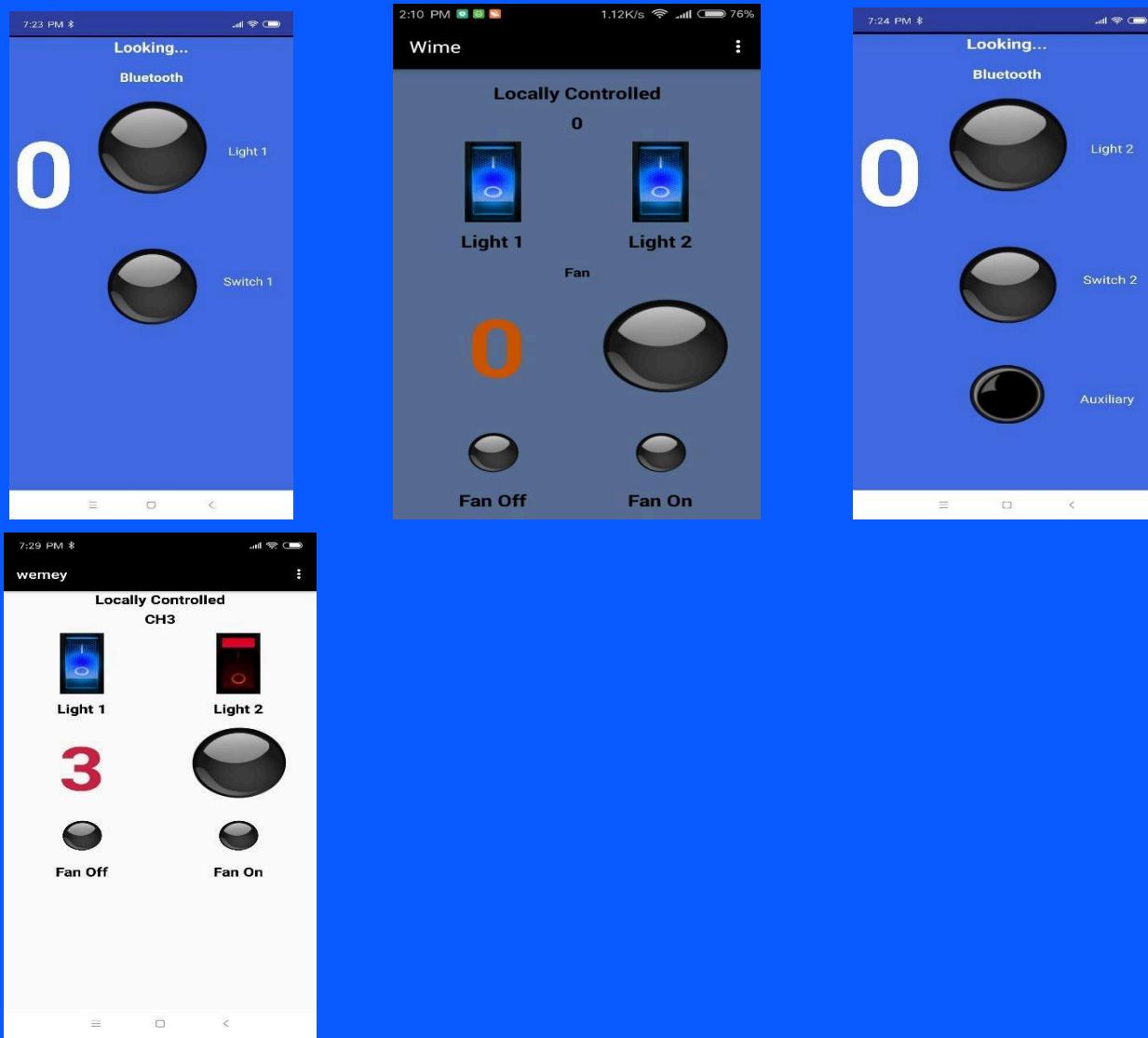
- ② **Shift module:** Multiple Shift Based Reporting.
- ② **Employee Module:** Employee History and Reporting.
- ② **Leave Management Module:** Casual, Sick, Earned, Maternity, Tour Leave management.
- ② **Holiday Module:** Govt. and public Holiday based reporting on Employee
- ② **Manual update module:** Employee entry time can be manually updated.
- ② **Device Connection module:** Connect with device

## Software Platform Details

- Platform: C# .net 4.5.
- Database: MS access server.
- Desktop based.
- RDLC Report.

The image displays several windows from a desktop application:

- Attendance Report Card:** A grid showing employee attendance details. Headers include Staff ID, Name, Date, Shift, Day, In Time, Out Time, Work Hour, Late, and Status. Total statistics at the bottom are: Total present: 3, Total absent: 5, Total Late: 3, Total Leave: 2, Total Holiday: 7.
- Leave Entry:** A form for entering leave information. It includes fields for Employee Id, Joining Date (19/01/05), Name, Desigation, Department, Company (LEMARS), Leave Type, From (19/01/05) to (19/01/05), and Total Days. Buttons for Save and Close are at the bottom. A legend defines leave types: AL - Annual Leave, EL - Earned Leave, SL - Sick Leave, HL - Maternity Leave, TL - Tour Leave, and HD - Half Day Leave.
- Monthly Report:** A report window titled "Monthly Report". It shows filters for Company (LEMARS), Department (All, 1, 2, 3), Date Period (From 19/01/05 To 19/01/05), and Report type (Absent, Late, Report, Early Leave, Holiday). Buttons include Save, Close, and Exit.
- Employee Manual Attendance:** A window for manual attendance entry. It has fields for Date (19/01/05), In Time (08:00 AM), Out Time (05:00 PM), Remarks, and Buttons for Add, Save, and Delete.
- Report Generation:** A preview of an RDLC report. The report header includes "Report Generated On: 20/01/2015 At: 10:00 AM By: Admin". The main body of the report is a table with columns: Date, In, Out, Status, and Remarks.



## Main Features

- ② Wemey is a smartphone-controlled switching and dimming app. It has three output in a single box. Two On/Off and one dimming output. The dimming output has 8 steps and can be used as ceiling fan regulator or light valve dimmer. The Wemey box has 4 built in touch switches.
- ② The most attractive feature for Wemey is it can be controlled via android smartphone app locally or via internet (world wide web). The Wemey server is hosted on Amazon web service IOT (Internet of things). So Wemey can be controlled from anywhere in the world in real time. User can also connect the device via local router or directly if they don't want to use that feature. The app settings page gives all option to connect. The app can be downloaded from google play store.

## Software Platform Details

- ② Platform: Android
- ② Database: MongoDB
- ② Server: Amazon web service

The screenshot shows a monthly calendar for June 2019. The days of the week are labeled from Sunday to Saturday. Specific events are highlighted with colored boxes: a long orange box from June 5 to June 8, a green box from June 15 to June 16, and a yellow box from June 24 to June 25. The calendar is titled "June 2019" and includes navigation buttons for "today", "month", "week", "day", and "list week". The top menu bar includes links for "Event Calender", "Course Calender", "Add Event", "View Archive", "Add Course Calender", "Hello findasifrahman@gmail.com", and "Log off". A sidebar on the left says "All Running Event". At the bottom, it says "DNT - Bangladesh NAVY" and "© 2019 - Intrinsic LAB".

The screenshot shows a weekly calendar view from June 2 to June 8, 2019. Each day has a header and a list of events. For example, Wednesday has one event, Thursday has two, Friday has one, and Saturday has one. The days are labeled "Wednesday", "Thursday", "Friday", "Saturday", and "Sunday". The top menu bar is identical to the previous screenshot. The sidebar on the left says "All Running Event". At the bottom, it says "DNT - Bangladesh NAVY" and "© 2019 - Intrinsic LAB".

### Objective

- ② The event & course scheduling calendar is a single web portal from where and through which user can upload events and event related details in a secure way and later view the events and courses in google calendar like manner

### Brief Description

- ② The overall software has an admin part where user can ***create a new event and publish online for others to view.*** ***The total view of event has month, day, week and list week view in a google calendar like manner.***

- Purpose of this project is to provide DNT events and courses in a single calendar view. This will help the decision makers to view event and detail of events and then to take appropriate decisions for the most optimal use in a single program.
- The Admin panel is divided into 3 parts. Event, Course and file upload for a course.
- Admin have to be authorized and authenticated to upload.
- Detail report of an event can be viewed and printed from user panel

## Software Platform Details

- Platform: ASP .net MVC.
- Database: MS SQL server.
- Web based.
- Web Report.

**Dashboard**

Event Name	Date	Action Buttons
fiscal \$ end	19/05/19 0:00:00	Edit   Details   Delete
South Korean Diplomat visit to military academy	19/05/05 0:00:00	Edit   Details   Delete
passing out parade day	19/05/14 0:00:00	Edit   Details   Delete

**List of Files**

Event Name	Action Buttons
single Day	Edit   Details   Delete
Pk trip	Edit   Details   Delete

**Create New Event**

Event Name: [ ]  
 Date: [ ]  
 Start Date: 2019-05-29 00:00  
 End Date: 2019-05-29 00:00  
 Duration: [ ]  
 Subject: [ ]  
 Description: [ ]  
 Start Date: 2019-05-29 00:00  
 End Date: 2019-05-29 00:00  
 Full Day: [ ]

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<https://www.linkedin.com/company/13328790>

<https://www.youtube.com/channel/UCztj8CCuOJ0xuyIL5wzmbsw>

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House-12, First Floor

Mirpur, Dhaka-1216