**AMSLER INDIA PROJECT**

Author Name:

Creation Date:

Last Revised:

Version:

Methodology: Waterfall model and Prototype methodology, Agile Software dev methodology.

1. Project Definition:

2. Project Description:

3. Project purpose :

3. Project scope:

4. Platform:

5. Software hardware requirement

|  |
| --- |
| **Table names:**   1. Employee table 2. Employee Role table 3. Order table 4. Order status table 5. Customer table 6. Product table 7. Product category table |

**Project Modules( main menu sidebar)**

1. Authentication Module

* Admin login
* Employee Login

1. Employee Management

* Register Employee
* Manage Employee(View, Update Delete)
  + Generate Pay slip
  + Permission(Module Access Permission)

1. Order Management

* New Order
* Manage Order( View, Update, Delete)
  + Track Order Status(Processed by Employee(Who is are all involved in this order Processed ))
  + Payment
  + Generate Bill Details
  + Generate Order Details

1. Charts

* Yearly (Bar chart & Pie Chart)
* Monthly
* Weekly

**1. Authentication Module:**

**Admin Login (Class):**

Admin only login this method using username and password. Admin only access and manage all the modules in this login method.

**Attributes**: Username, Password

**Employee Login (Class):**

This type of login is OTP Login. When the employee want to login that time the OTP was sended to the admin and registered company Email. The OTP Like a Password.

Set Default Login With OTP if any Interrupt occurred in OTP Login .

**Attributes:** Username, email OTP

**2. Employee Management Module:**

**Register Employee:**

Register Employee only done the admin.

**Attributes:**

|  |  |
| --- | --- |
| 1. emp\_code 2. emp\_name 3. emp\_password 4. emp\_fierstname 5. emp\_lastname 6. emp\_depcode 7. emp\_joindate 8. emp\_leftdate 9. emp\_phone 10. emp\_altphone 11. emp\_email 12. emp\_education 13. emp\_dob | 1. emp\_sex 2. emp\_address1 3. emp\_address2 4. emp\_area 5. emp\_state 6. emp\_country 7. emp\_pincode 8. emp\_yearlysalary 9. emp\_yearlybonus 10. emp\_createdby 11. emp\_created 12. emp\_lastupdated 13. otp |

**Manage Employee:**

Admin manage the employee personal info to view, update and delete the employee. and the page contain profile, company role and responsibility, attendance, permissions.

1. Generate employee info (print)

2. Generate Pay slip (Print)

**3. Order Management Module:**

The Order management module contain below classes

**New Order:**

This class contains the product needed attributes. There are five types of products

1. All board and signage
2. Printing & stationeries
3. Promotional Items
4. Safety products
5. IOT

**3.1. All board and signage:**

(Entities: Material, Thickness, width, height, print & cutting, fixing area, fixing type, board sides, chain details, chain type)

1. Foam
2. Acrylics
3. ACP
4. PVC
5. Banner & Flex
6. White

* White Board
* Magnetic
* Magnetic ceramic
* Flip chat

1. Pinups
2. Campaign
3. Welcome
4. Ss
5. Brass
6. Aluminum
7. Sandwich
8. Wood

**3.2. Printing and Stationeries:**

1. Broacher
2. Envelope
3. Check sheet
4. Log books
5. Tags
6. Dangler
7. Posters
8. Awareness hangouts
9. Letters
10. Ledger
11. Barcode label
12. Forms

* Thermal Labels
* Ribbon

1. Register

**3.3. Promotional items:**

1. Trophies
2. Lanyards
3. Id holders
4. YOYO’s
5. T-shirts
6. Cap
7. Gift coupons
8. Badges
9. Certificates
10. others

**3.4. Safety products:**

1. Helmets
2. Shoes
3. Glows
4. Mask
5. Safety jackets
6. Goggles
7. Mask
8. Ear pad
9. Safety flags
10. Safe cylinders
11. Way sign lights

**3.5. IOT’s:**

1. Home automation
2. Biometric systems
3. Digital door lock
4. Motion detection
5. Door sensor
6. Smoke sensor
7. Alerts
8. Security cameras
9. ERP tools
10. Web page creation
11. Server maintenance

**FORMS**

|  |  |
| --- | --- |
| 1. order\_code 2. cust\_code 3. category\_name 4. product\_name 5. order\_placed\_at 6. order\_delivered\_at 7. last\_modified 8. order\_taken\_by 9. order\_processing\_stage1 10. order\_processing\_stage2 11. order\_delivered\_by |  |

**3.1.1. All board and signage (Form Entities):**

**Material name:** (Foam, Acrylics, ACP, PVC)

|  |
| --- |
| 1. Material name 2. Thickness 3. Width  * Feet * Inches * Meter * Centimeter * Millimeter  1. Height 2. Print & cutting  * Eco solvent * Solvent print * Inject * Vinyl * Reflective * Kiwalite /3mm * Kiwalite / local 3mm * Auto glow / 3mm * Auto glow / local 3mm * Clear print * EC flam * Screen print * Direct print  1. Fixing Area  * Indoor * outdoor  1. Fixing type  * Holes * Double tap  1. Board sides  * Single side * Double side  1. Chain details  * With chain * Without chain  1. Chain type  * Hanging * Ring |

**Material name:** (Foam, Acrylics, ACP, PVC)

|  |
| --- |
| 1. Material name 2. Flex type 3. Width  * Feet * Inches * Meter * Centimeter * Millimeter  1. Height 2. Highlight  * With highlight * Without highlight  1. Flex lighting  * Front light * Back light  1. Flex sides  * Single side * Double side  1. Stand style  * Standee * Pole * frame * None |

3.3. Order\_track\_table:

1. order\_code
2. order\_placed\_by
3. order\_processing\_stage1\_by
4. order\_processing\_stage1\_at
5. order\_processing\_stage2\_by
6. order\_processing\_stage2\_at
7. order\_delivered\_by
8. order\_delivered\_at

**3.2.1. Printing and Stationeries:**

**3.3.1. Promotional items:**

**3.4.1. Safety products:**

**3.5.1. IOT’s:**