HR MANAGEMENT SYSTEM

(APAR TECHNOLOGIES)

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OUTLINE

1. Introduction
2. About the company
3. Module description
4. Block diagram
5. Database
6. Layouts

INTRODUCTION

The Human Resource Data Management System is an extensive system that requires a lot of work and keep up on a regular basis. This is due to the fact that candidates join companies almost all over the year especially during seasonal recruitments. Thus maintenance of such data requires utmost attention when done manually. Most of this task is alone performed by the HR of the company. Thus, management of such hefty data becomes difficult for one person.

Some of the problems are:

- Lack of immediate retrievals
- Maintenance of Accuracy and Reliability issues
- Lack of immediate information storage
- Lack of prompt update
- Error prone manual calculation

- The Human Resource Database Management software is very user friendly and appealing.
- This software project stores and manages all the data needed to describe the employees and their framework within an organization.
- It has a database administrator who has access to the entire database, in regards with viewing and update of information.
- The main objective of the system is to maintain and retrieve information about the entire personnel framework of the organizational system.
- This system is fairly simple in design and implementation.
- A proper set of **coding conventions** are followed.
- This project is being made using Java technology for front-end and MySql for back-end.

ABOUT APAR TECHNOLOGIES

- Apar is a leading provider of information technology and consulting services and dedicated to helping the world's leading companies build stronger, new age, digital businesses.
- "Headquartered in Singapore we partner with the IT industry to provide comprehensive cutting edge technology and business solutions. We aims to be a premier international software services and solutions company by providing the best value to clients, employees and associates in an honest, open and ethical environment." - APAR
- Some of the technology partners of Apar Technologies are Amazon Web Services, Dark Trace, IBM, MicroStrategy, K2Partners and many more.
- Apar technologies provide services such as Technology Consulting and Application Services, Data Management and Business Intelligence, Portals and Content Management, Staffing and Consultancy Services and Enterprise Applications and Industry Solutions.

MODULES

1. Login Module
2. Employee Module

   Sub-Modules:

   i. Registration Details
   ii. Update Details
   iii. View Details
   iv. Change Password
   v. Forgot Password
   vi. Request Leave

3. Administrator module

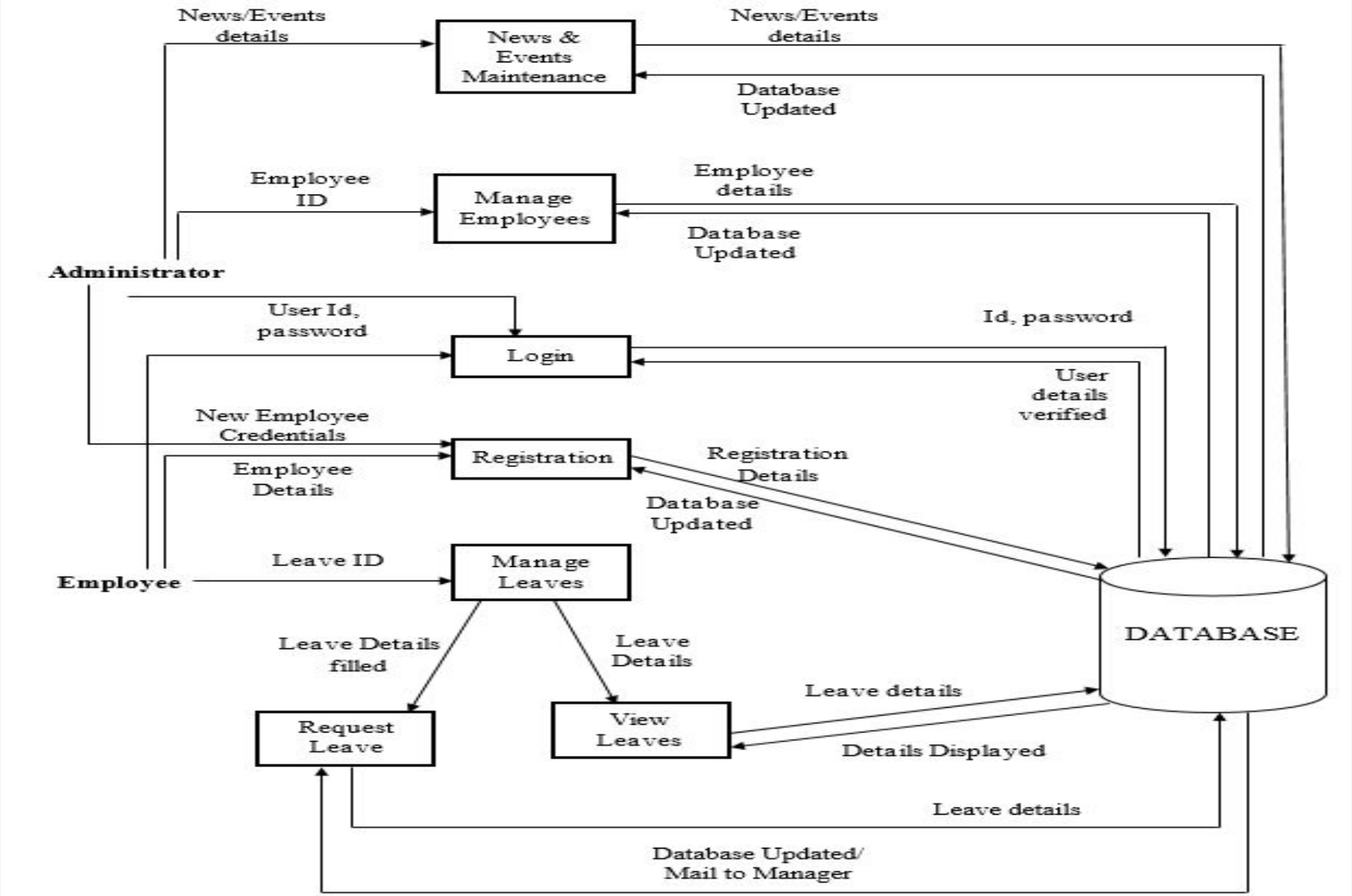
Sub-Modules:

i. Generation of new employee credentials
ii. Search Employee
iii. Update Details
iv. View Details
v. Payroll generation
vi. Change Password
vii. Forgot Password

4. Leave Module

5. Events & News Maintenance Module

BASIC FLOW


News/Events details
News & Events Maintenance
News/Events details
Database Updated
Employee ID
Manage Employees
Employee details
Database Updated
Administrator
User Id, password
Login
Id, password
User details verified
New Employee Credentials
Registration
Registration Details
Employee Details
Database Updated
Leave ID
Manage Leaves
Employee
DATABASE
Leave Details filled
Leave Details
Leave details
Request Leave
View Leaves
Details Displayed
Leave details
Database Updated/ Mail to Manager

DATABASE

LIST OF DATABASE TABLES

The system is composed of the following tables:

1. emp_address
2. emp_apar_details
3. emp_employment_details
4. emp_family_details
5. emp_financial_details
6. emp_id_proof
7. emp_leave_details
8. emp_leave_request
9. emp_login
10. emp_nominee
11. emp_personal_details
12. emp_qualifications
13. emp_work_experience

The database has been made using Aqua Data Studio.

Field	Type	Null	Key	Default	Extra
emp_id	varchar(255)	NO	MUL	(null)	
id_address	varchar(255)	NO	PRI	(null)	
house_number	varchar(25)	NO		(null)	
street	varchar(255)	YES		(null)	
city	varchar(255)	NO		(null)	
state	varchar(255)	NO		(null)	
country	varchar(255)	NO		(null)	
pincode	varchar(25)	NO		(null)	

8 record(s) selected [Fetch MetaData: 2/ms] [Fetch Data: 2/ms]

[Executed: 18/3/17 5:47:47 PM IST] [Execution: 2/ms]

emp_address

Field	Type	Null	Key	Default	Extra
id_company	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
payroll_id	varchar(255)	NO		(null)	
position	text	NO		(null)	
department	text	NO		(null)	
company_email	text	NO		(null)	
salary	varchar(25)	NO		(null)	
status	varchar(50)	NO		(null)	
reporting_manager	varchar(255)	NO		(null)	
emp_type	varchar(255)	NO		permanent	

10 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 1/ms]

[Executed: 18/3/17 5:50:01 PM IST] [Execution: 2/ms]

emp_apar_details

Field	Type	Null	Key	Default	Extra
id_employment	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
date_of_appointment	date	NO		(null)	
confirmation_date	date	NO		(null)	
probation_period	int(11)	NO		(null)	
previous_org_resignation_date	date	NO		(null)	
previous_org_branch	varchar(255)	NO		(null)	
previous_org_designation	varchar(255)	NO		(null)	
previous_org_department	varchar(255)	NO		(null)	
grade	varchar(25)	NO		(null)	

10 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 0/ms]

emp_employment_details

Field	Type	Null	Key	Default	Extra
id_experience	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
company_name	varchar(255)	NO		(null)	
location	varchar(255)	NO		(null)	
designation	varchar(255)	NO		(null)	
from_date	date	NO		(null)	
to_date	date	NO		(null)	

emp_work_experience

Field	Type	Null	Key	Default	Extra
id_family	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
name	varchar(255)	NO		(null)	
address	varchar(255)	NO		(null)	
relationship	varchar(255)	NO		(null)	
dob	date	NO		(null)	

6 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 0/ms]

emp_family_details

Field	Type	Null	Key	Default	Extra
id_finance	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
bank_name	varchar(255)	NO		(null)	
bank_branch	varchar(255)	NO		(null)	
account_number	varchar(255)	NO		(null)	
ifsc	varchar(255)	NO		(null)	

6 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 0/ms]

emp_financial_details

Field	Type	Null	Key	Default	Extra
proof_id	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
proof_type	varchar(255)	NO		(null)	
expiry_date	date	YES		(null)	
proof_number	varchar(255)	NO		(null)	
file_link	varchar(255)	NO		(null)	

6 record(s) selected [Fetch MetaData: 1/ms] [Fetch Data: 0/ms]

emp_id_proof

Field	Type	Null	Key	Default	Extra
id_leaves	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
earned_leave	int(11)	NO		(null)	
sick_leave	int(11)	NO		(null)	
casual_leave	int(11)	NO		(null)	
leave_type	varchar(255)	NO		(null)	
start_date	date	NO		(null)	
end_date	date	NO		(null)	
reason	varchar(255)	NO		(null)	
project_id	varchar(255)	YES		(null)	

10 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 1/ms]

emp_leave_details

Field	Type	Null	Key	Default	Extra
id_nominee	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
name	varchar(255)	NO		(null)	
address	varchar(255)	NO		(null)	
relationship	varchar(255)	NO		(null)	
dob	date	NO		(null)	
share_percent	float	NO		(null)	

7 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 0/ms]

emp_nominee

Field	Type	Null	Key	Default	Extra
emp_id	varchar(255)	NO	PRI	(null)	
firstname	text	YES		(null)	
middlename	text	YES		(null)	
lastname	text	YES		(null)	
father_name	text	YES		(null)	
mother_name	text	YES		(null)	
date_of_birth	date	YES		(null)	
gender	text	YES		(null)	
PAN	varchar(10)	YES		(null)	
permanent_address	text	YES		(null)	
landline	varchar(25)	YES		(null)	
mobile	varchar(10)	YES		(null)	
personal_email	varchar(30)	YES		(null)	
martial_status	varchar(15)	YES		(null)	
marriage_date	date	YES		(null)	
no_of_dependents	int(11)	YES		(null)	
spouse_name	varchar(40)	YES		(null)	
religion	varchar(25)	YES		(null)	
blood_group	varchar(5)	YES		(null)	

19 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 1/ms]

emp_personal_details

Field	Type	Null	Key	Default	Extra
id_qualification	varchar(255)	NO	PRI	(null)	
emp_id	varchar(255)	NO	MUL	(null)	
qualification	varchar(255)	NO		(null)	
university	varchar(255)	NO		(null)	
year_of_passing	int(11)	NO		(null)	
percentage	float	YES		(null)	
grade	varchar(5)	YES		(null)	

emp_qualifications

Field	Type	Null	Key	Default	Extra
sno	int(11)	NO	PRI	(null)	auto_increment
login_id	varchar(255)	YES	MUL	(null)	
password	varchar(20)	YES		(null)	

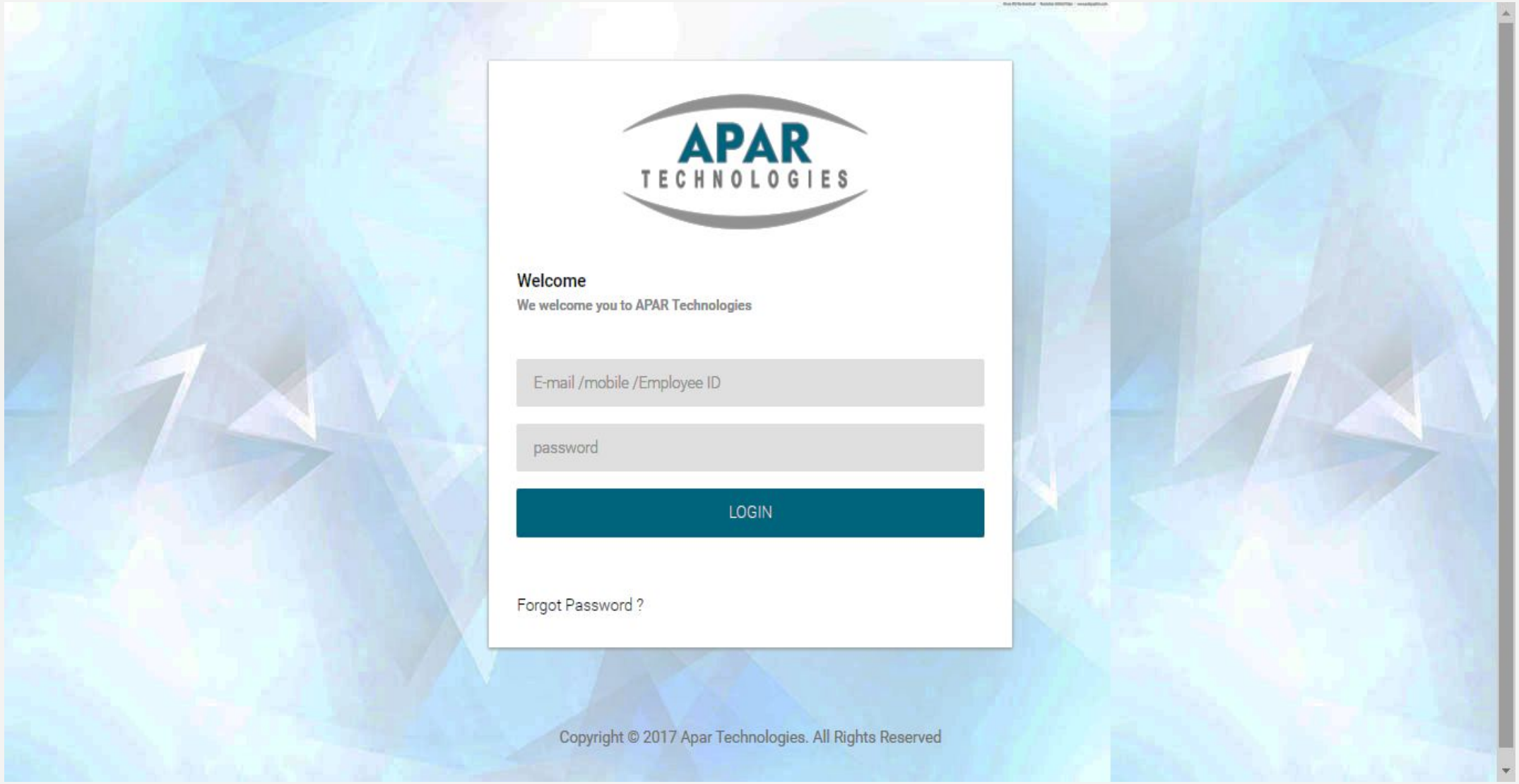
3 record(s) selected [Fetch MetaData: 0/ms] [Fetch Data: 0/ms]

[Executed: 18/3/17 5:54:45 PM IST] [Execution: 7/ms]

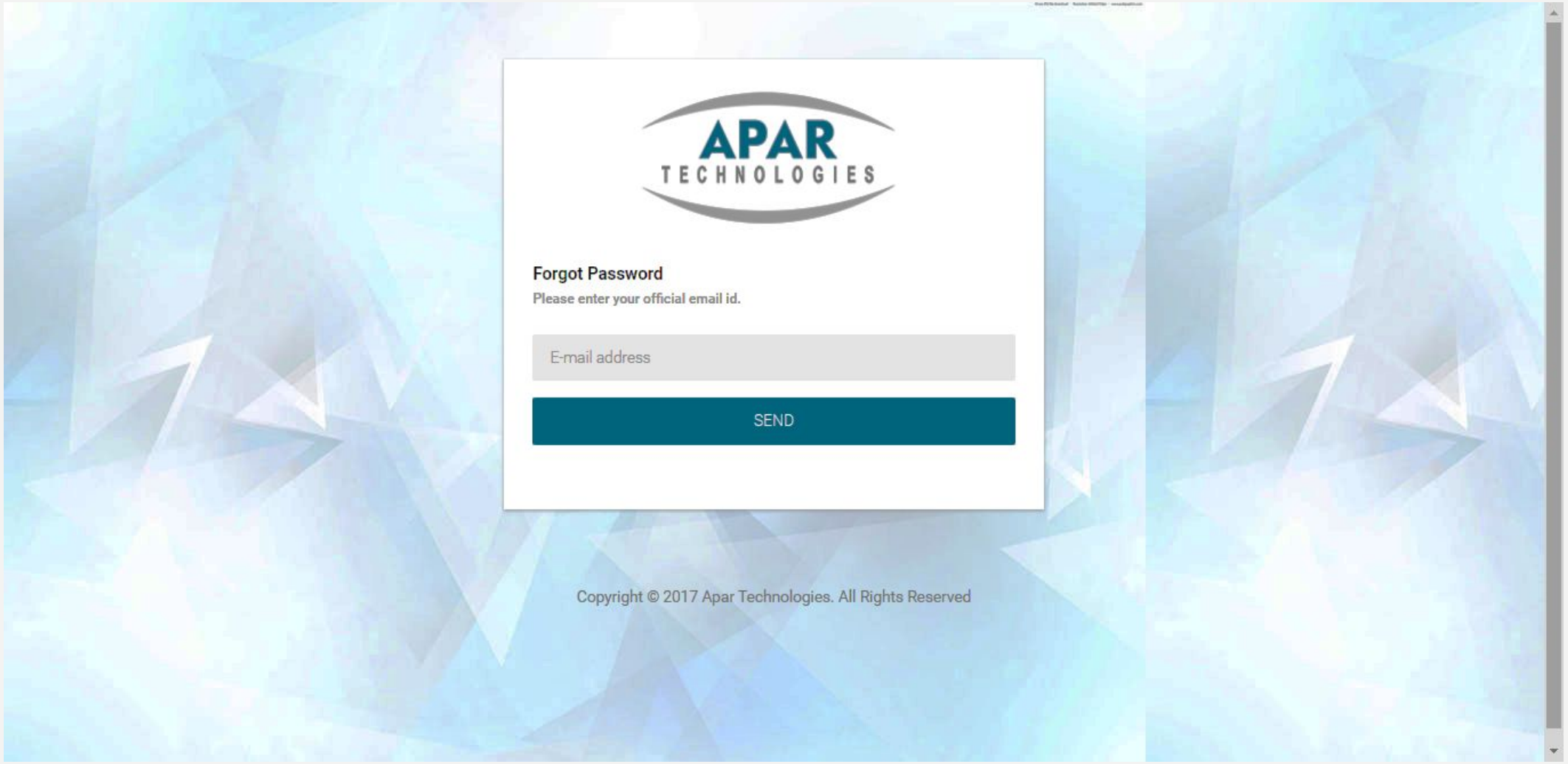
emp_login

LAYOUTS

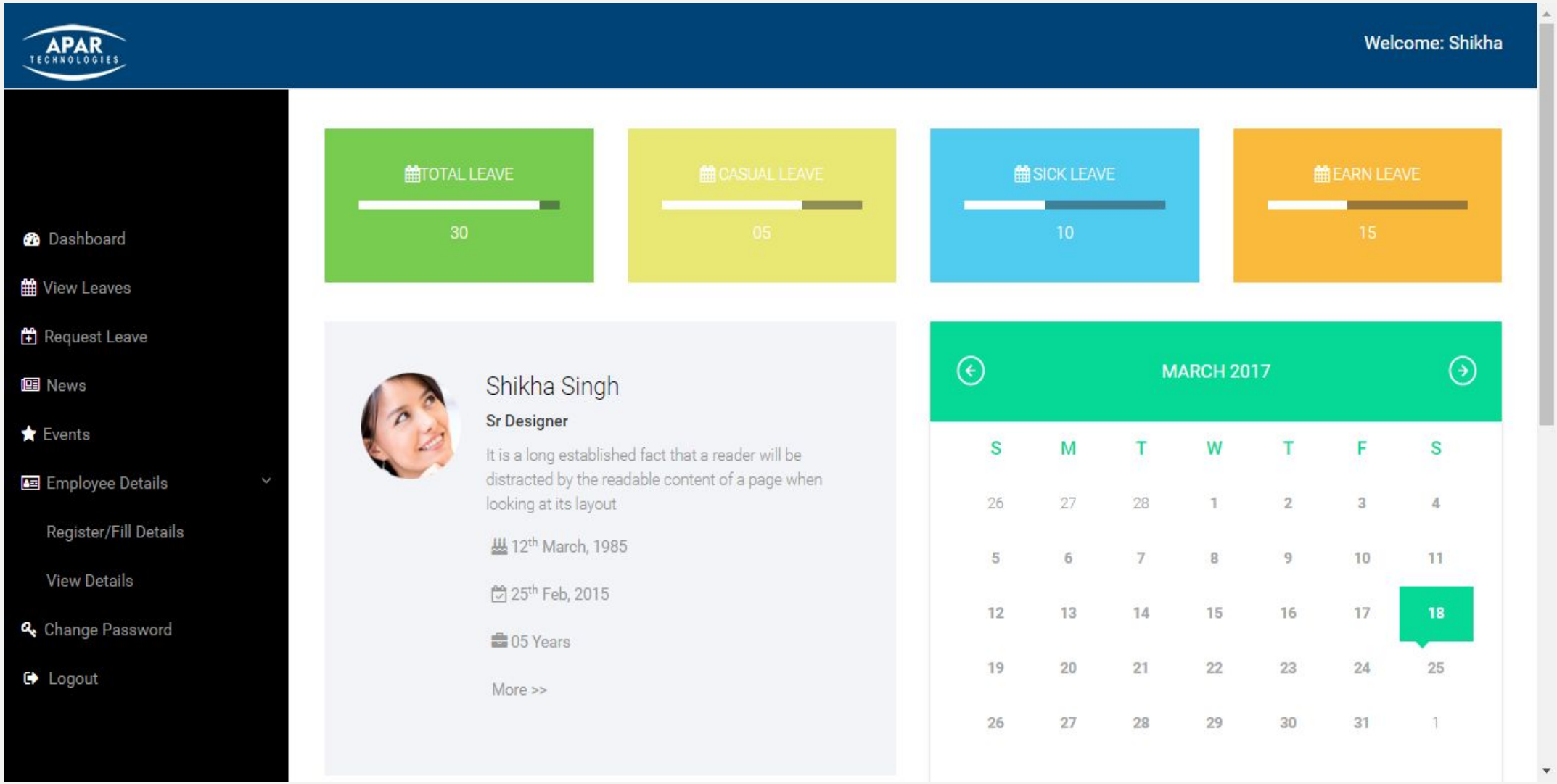
LOGIN PAGE


APAR
TECHNOLOGIES
Welcome
We welcome you to APAR Technologies
E-mail /mobile /Employee ID
password
LOGIN
Forgot Password ?
Copyright © 2017 Apar Technologies. All Rights Reserved

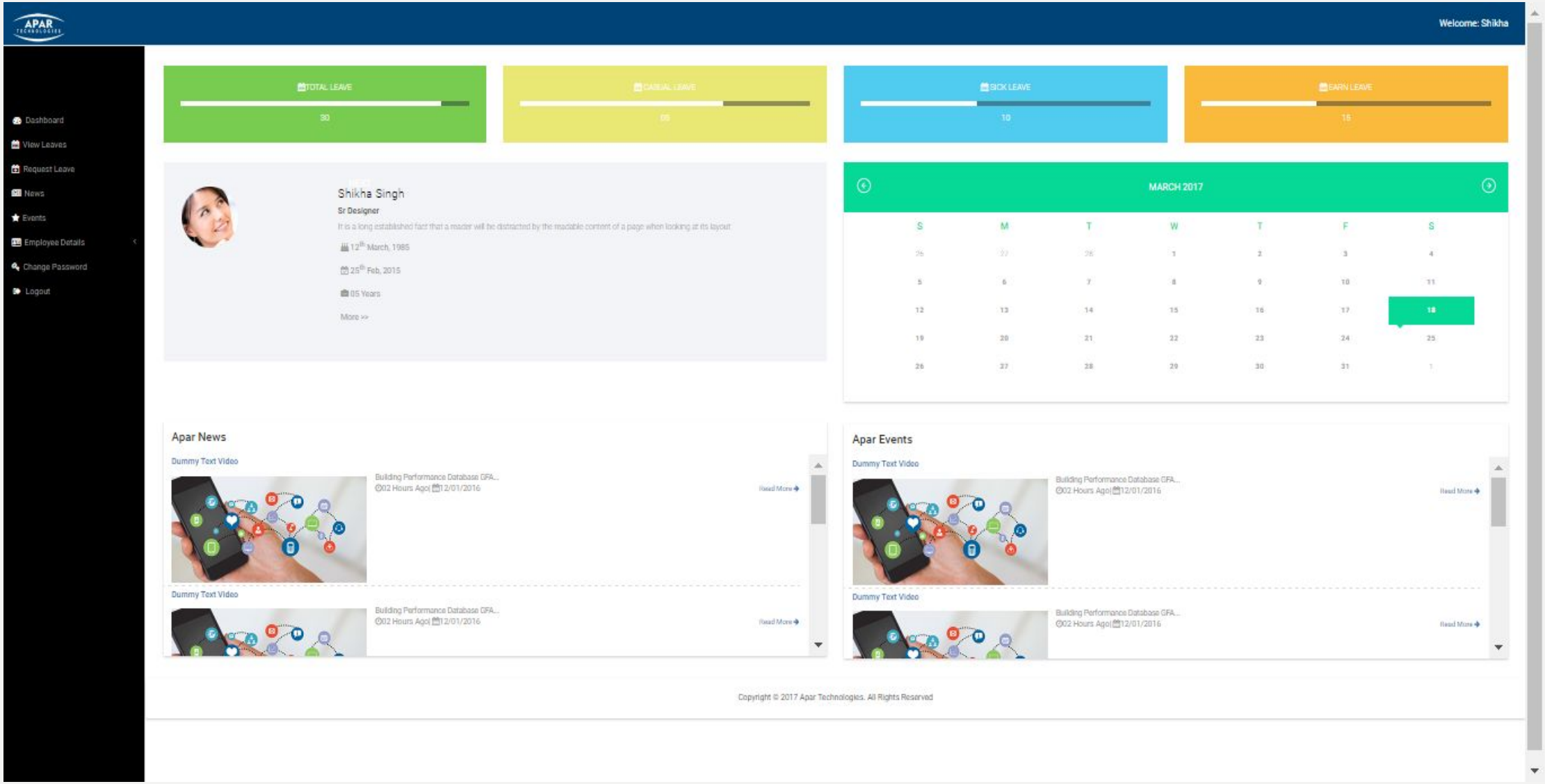
FORGOT PASSWORD PAGE



EMPLOYEE DASHBOARD



NEWS & EVENTS


APAR
Welcome: Shikha
Dashboard
View Leaves
Request Leave
News
Events
Employee Details
Change Password
Logout
TOTAL LEAVE
30
CASUAL LEAVE
05
SICK LEAVE
10
EARN LEAVE
15
Shikha Singh
Sr Designer
It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout
12th March, 1985
25th Feb, 2015
05 Years
More >>
MARCH 2017
S M T W T F S
Apar News
Dummy Text Video
Building Performance Database GFA...
02 Hours Ago| 12/01/2016
Read More
Dummy Text Video
Building Performance Database GFA...
02 Hours Ago| 12/01/2016
Read More
Apar Events
Dummy Text Video
Building Performance Database GFA...
02 Hours Ago| 12/01/2016
Read More
Dummy Text Video
Building Performance Database GFA...
02 Hours Ago| 12/01/2016
Read More
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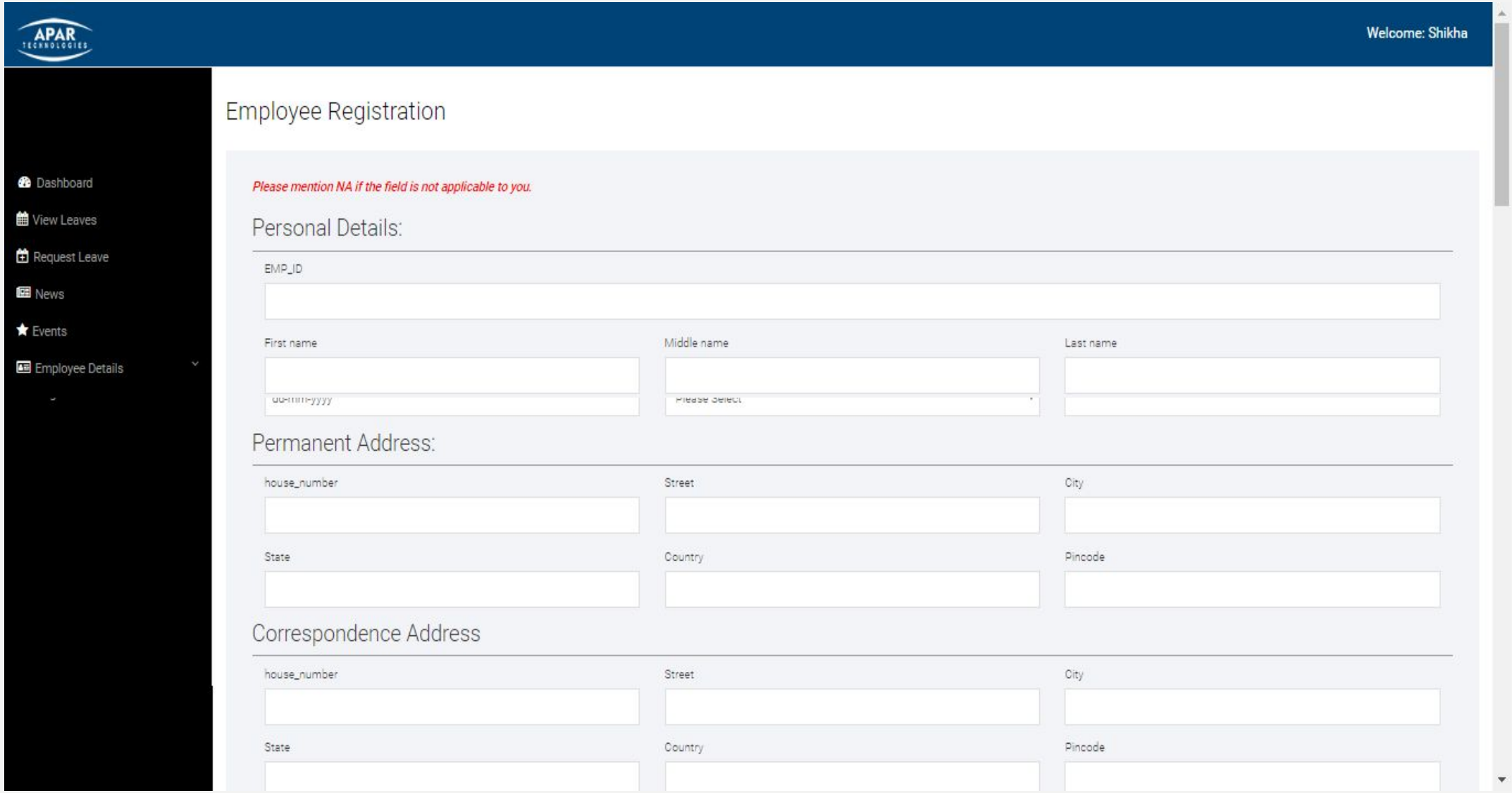
EMPLOYEE REGISTRATION FORM



Other Information

Landline

Mobile

Personal email

Martial status

Marriage date

dd-mm-yyyy

Spouse name

No of dependents

Religion

Blood group

Please Select

Qualifications

Qualification

University/college

Year of passing

Grade

Percentage

Add

Identity Proof (Passport / Driving Licence, etc..)

Id type:

Expiry date:

dd-mm-yyyy

ID number:

Upload Document

Choose File No file chosen

Upload Document

Add Other Document

Particulars Of Employment

Particulars Of Employment

Date of appointment: dd-mm-yyyy

Confirmation date: dd-mm-yyyy

Probation period:

Resignation date of earlier organisation: dd-mm-yyyy

Branch of earlier organisation:

Designation of earlier organisation:

Department of earlier organisation:

Grade:

Financial (APAR Technologies Salary Account Details)

Bank name:

Bank branch:

Account number:

IFSC code:

Previous Work Experience:

Company name:

Location:

Designation:

From (date): dd-mm-yyyy

To (date): dd-mm-yyyy

Add

Family Details

Name:

Address:

Family Details

Name

Address

Relationship

DOB

dd-mm-yyyy

Add

Nominee

Name

Relationship

DOB

dd-mm-yyyy

Address

Share percentage

Add

Additional Details:

Only for office use.

Payroll id

Position

Department

Company_email

Salary

Status

Reporting manager

Employee type

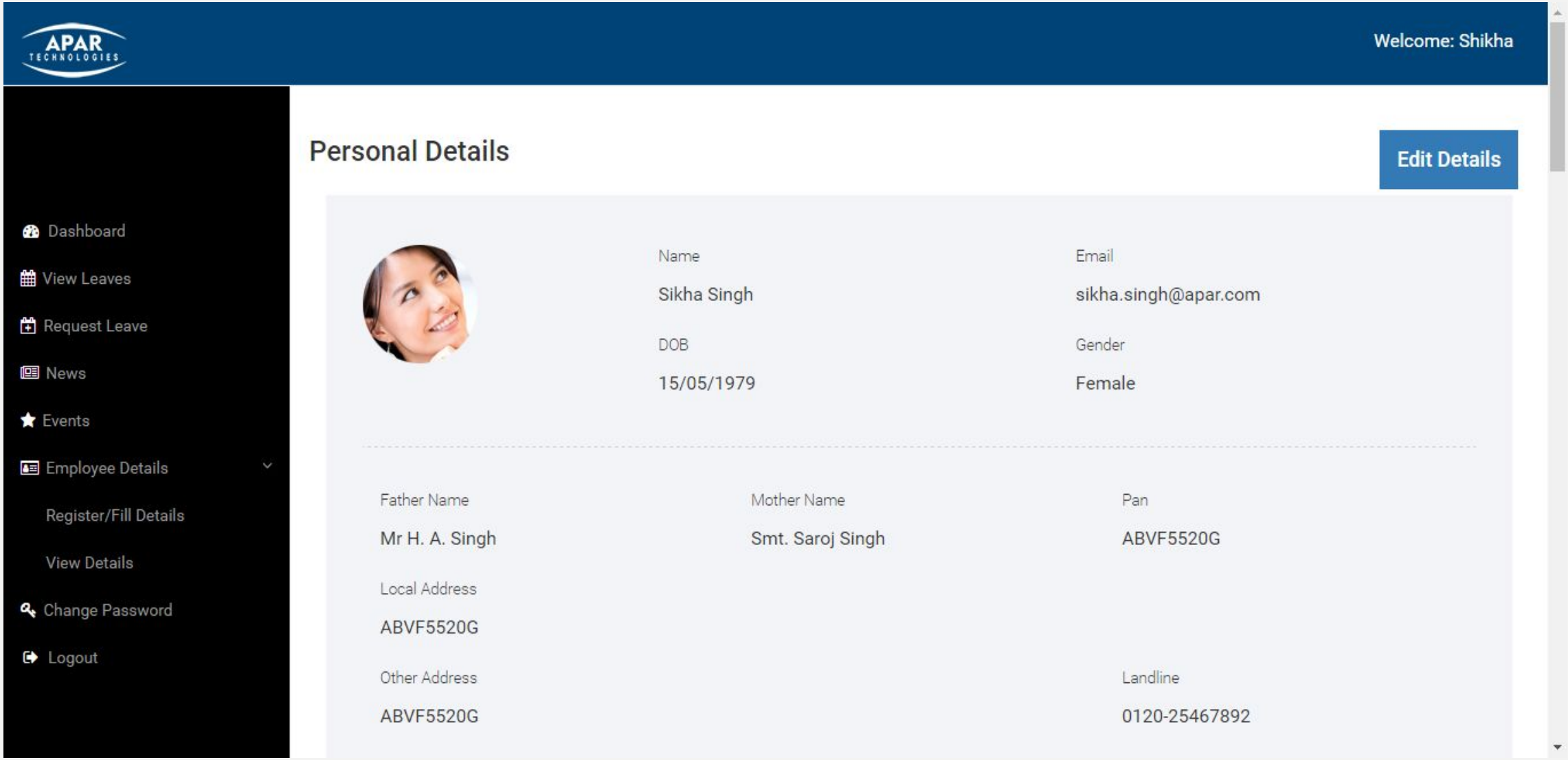
Please Select

Are you sure you have filled all the fields?

Submit

Reset

VIEWING DETAILS OF EMPLOYEE



ABVF5520G

0120-25467892

Martial status	Marriage date	Spouse name
Single	Single	Single
No of dependents	Religion	Blood group
Single	Single	Single

QUALIFICATIONS

Qualification	University/college:	Year of passing:	Grade:	Percentage:
1	Table cell	Table cell	Table cell	Table cell
1	Table cell	Table cell	Table cell	Table cell
1	Table cell	Table cell	Table cell	Table cell

IDENTITY PROOF

Expiry date	ID Type	ID Number	Attached Copy
Table cell	Table cell	Table cell	Table cell
Table cell	Table cell	Table cell	Table cell

PARTICULARS OF EMPLOYMENT

Date of appointment	Confirmation date
No	No
Probation period	Resignation date of earlier organisation
No	No
Branch of earlier organisation	Designation of earlier organisation

FINANCIAL (APAR TECHNOLOGIES SALARY ACCOUNT DETAILS)

Bank name	Bank branch
No	No
Account number	IFSC code
No	No

PREVIOUS WORK EXPERIENCE

Company name	Location	Designation	From (date)	To (date)
1	Table cell	Table cell	Table cell	Table cell
2	Table cell	Table cell	Table cell	Table cell
3	Table cell	Table cell	Table cell	Table cell

FAMILY DETAILS

Name	Relationship	DOB	Address
1	Table cell	Table cell	Table cell
2	Table cell	Table cell	Table cell
3	Table cell	Table cell	Table cell

NOMINEE

Name	Relationship	DOB	Address	Share Percentage
1	Table cell	Table cell	Table cell	Table cell
2	Table cell	Table cell	Table cell	Table cell

FAMILY DETAILS

Name	Relationship	DOB	Address
1	Table cell	Table cell	Table cell
2	Table cell	Table cell	Table cell
3	Table cell	Table cell	Table cell

NOMINEE

Name	Relationship	DOB	Address	Share Percentage
1	Table cell	Table cell	Table cell	Table cell
2	Table cell	Table cell	Table cell	Table cell
3	Table cell	Table cell	Table cell	Table cell

Additional fields

Payroll id	Position	Department	Company_email
No	No	No	No
Salary	Status	Reporting manager	Employee type
No	No	No	No

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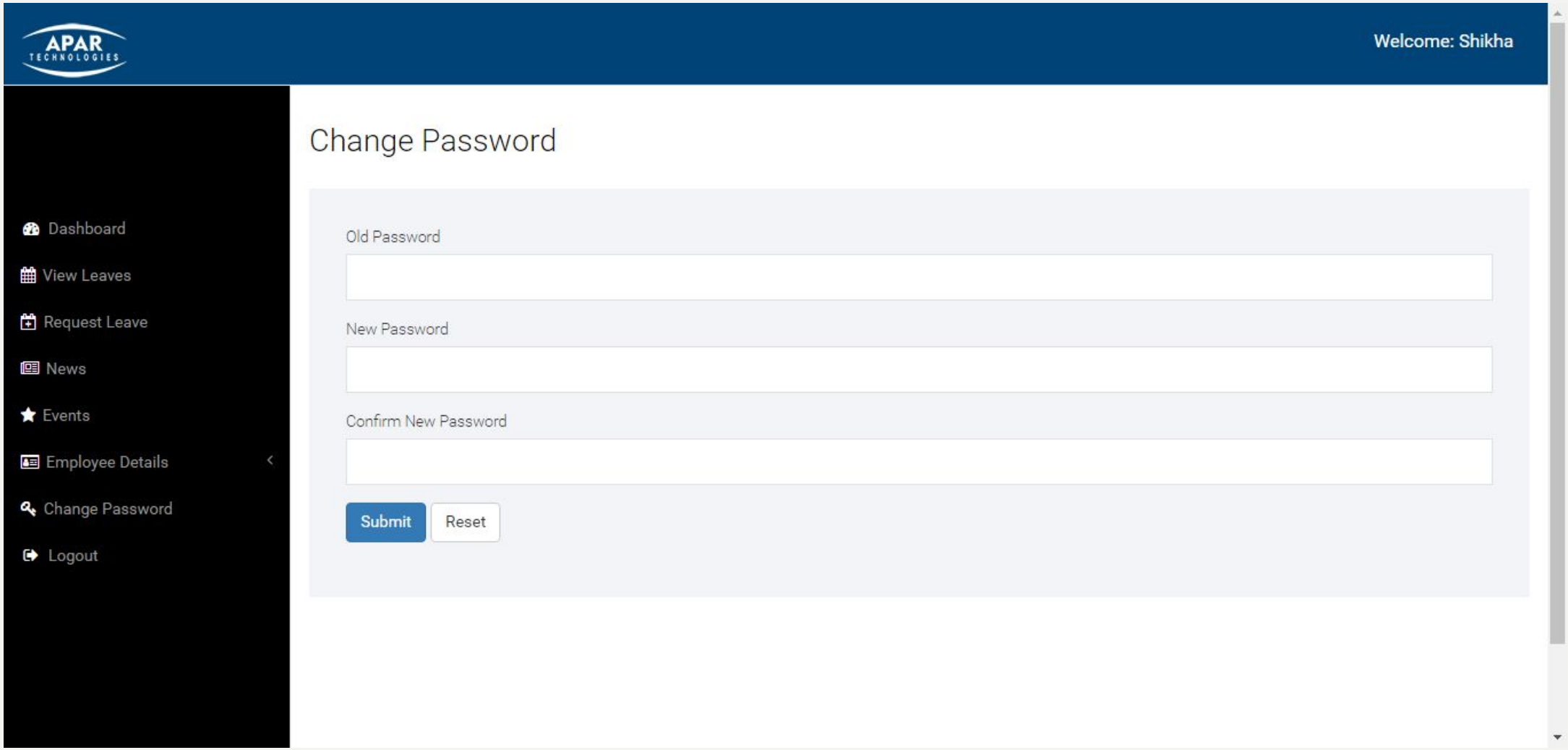
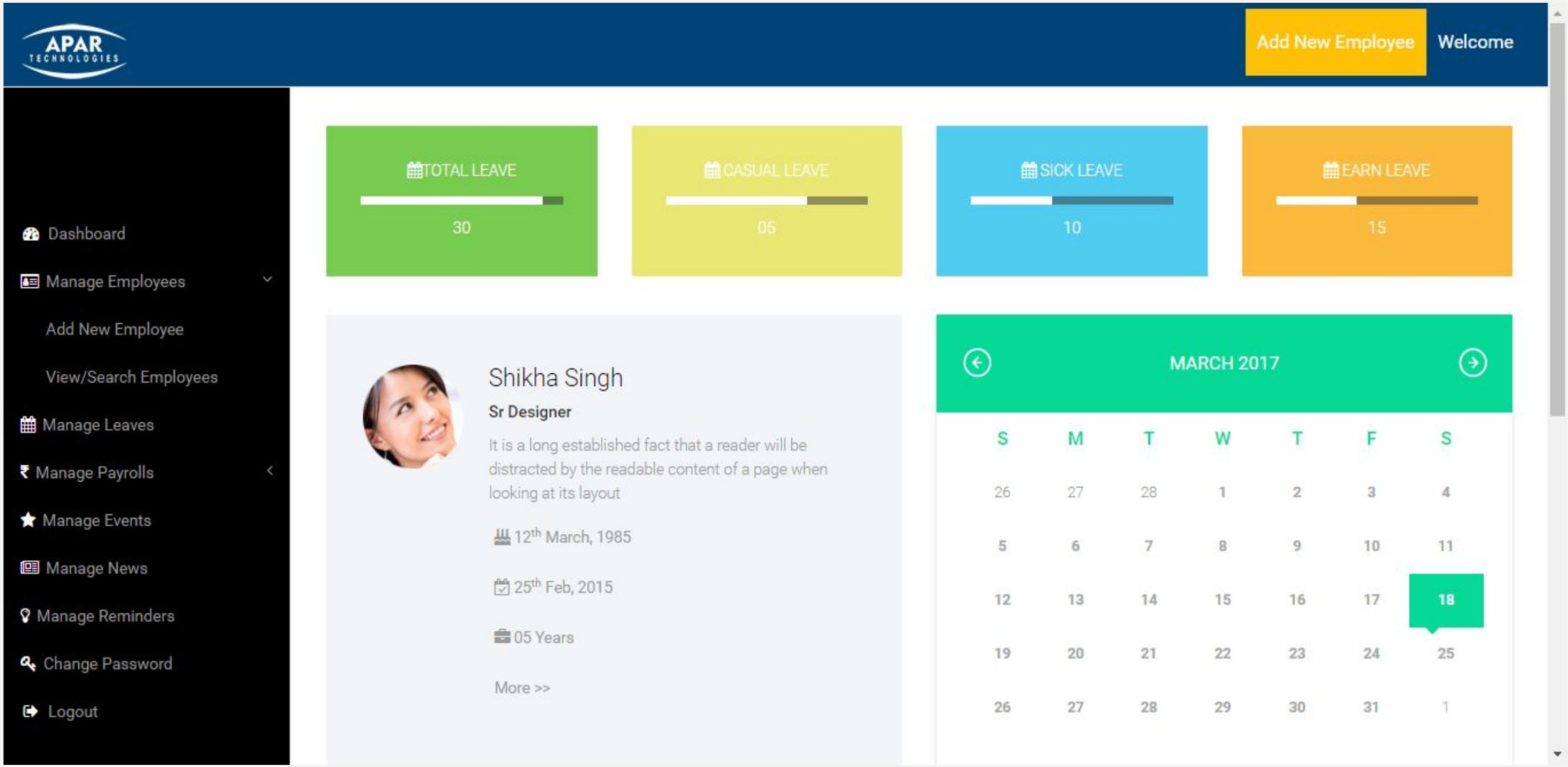
CHANGE PASSWORD PAGE

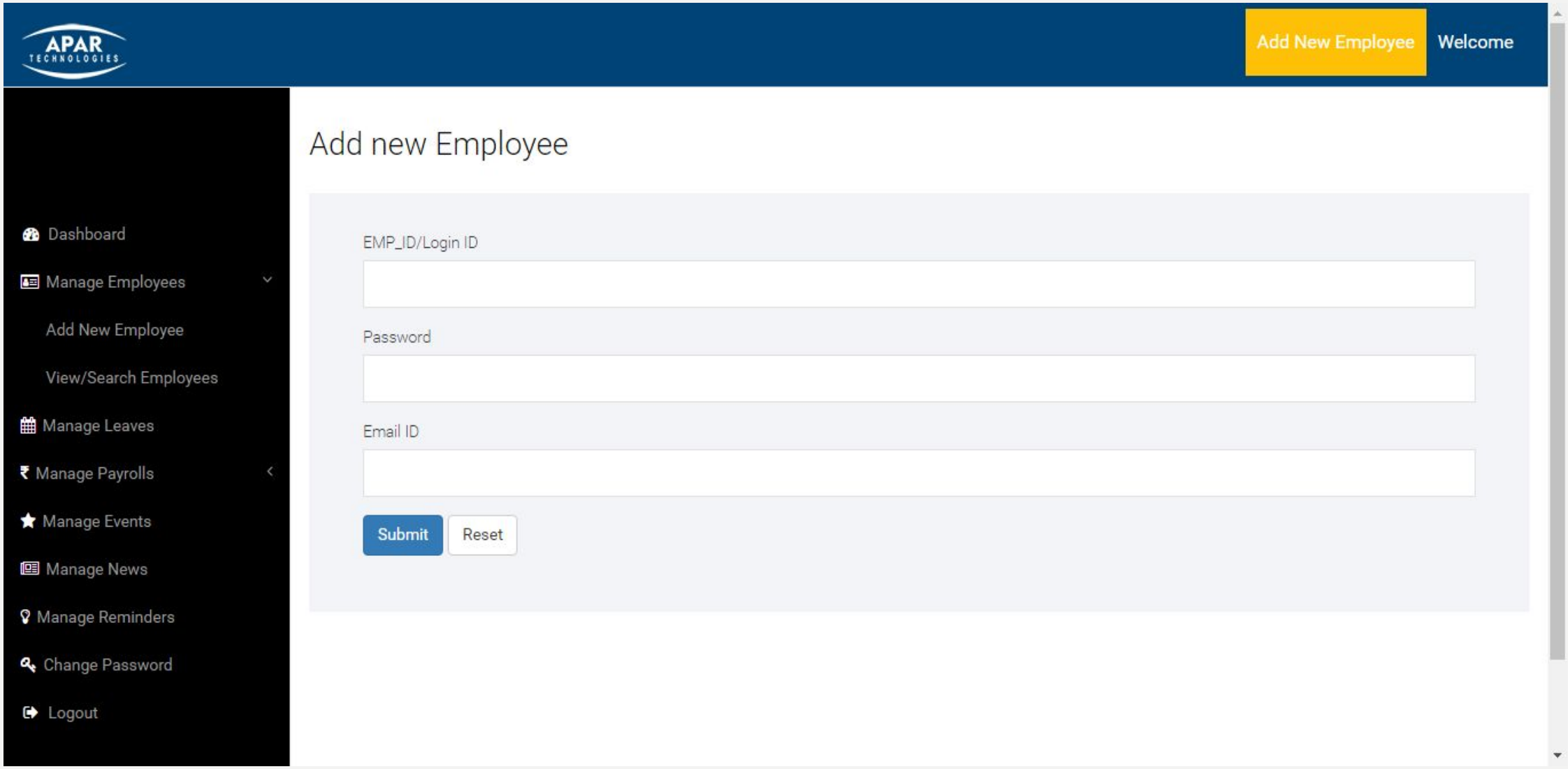


ADMINISTRATOR LAYOUTS

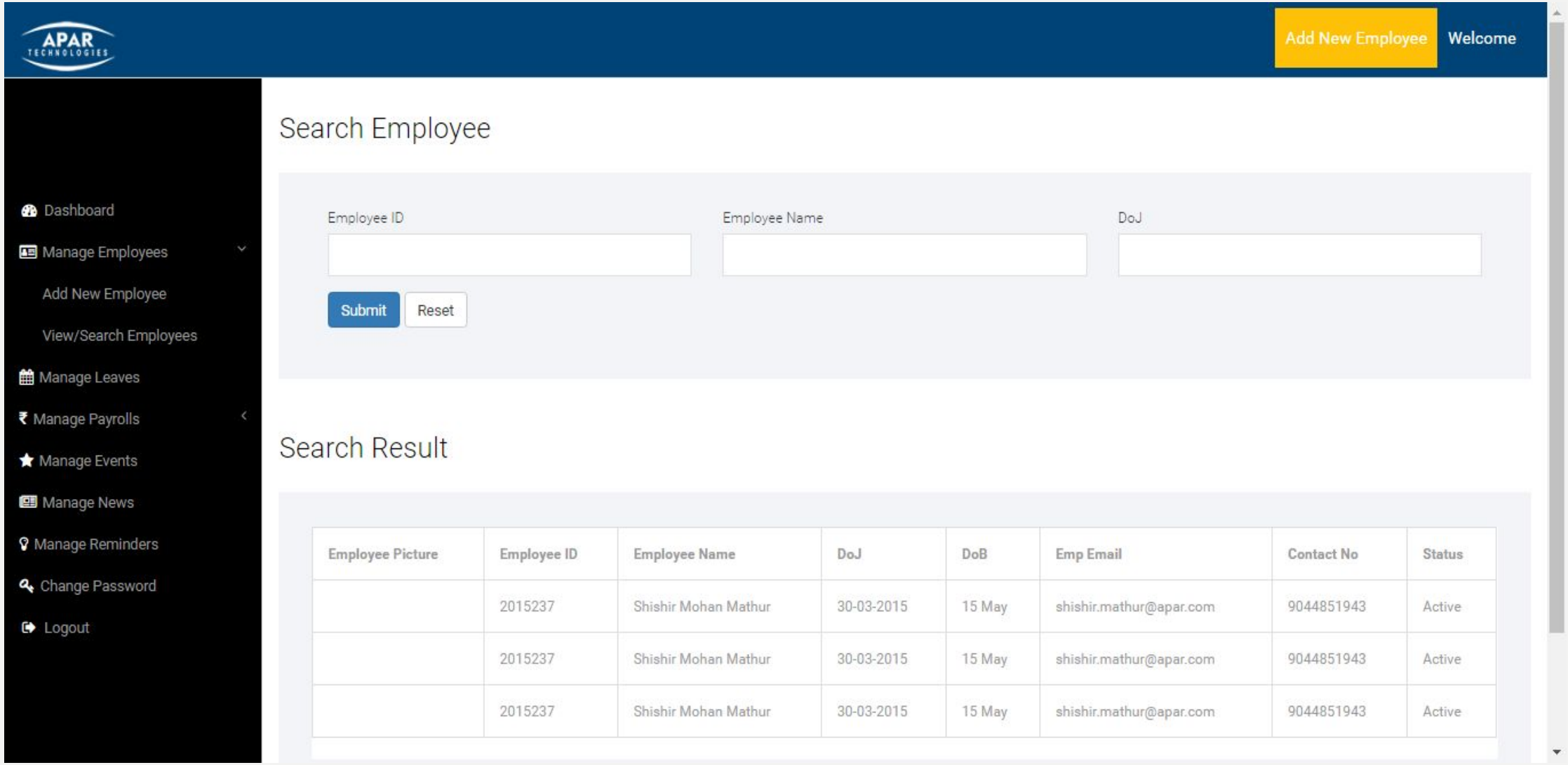
ADMIN DASHBOARD



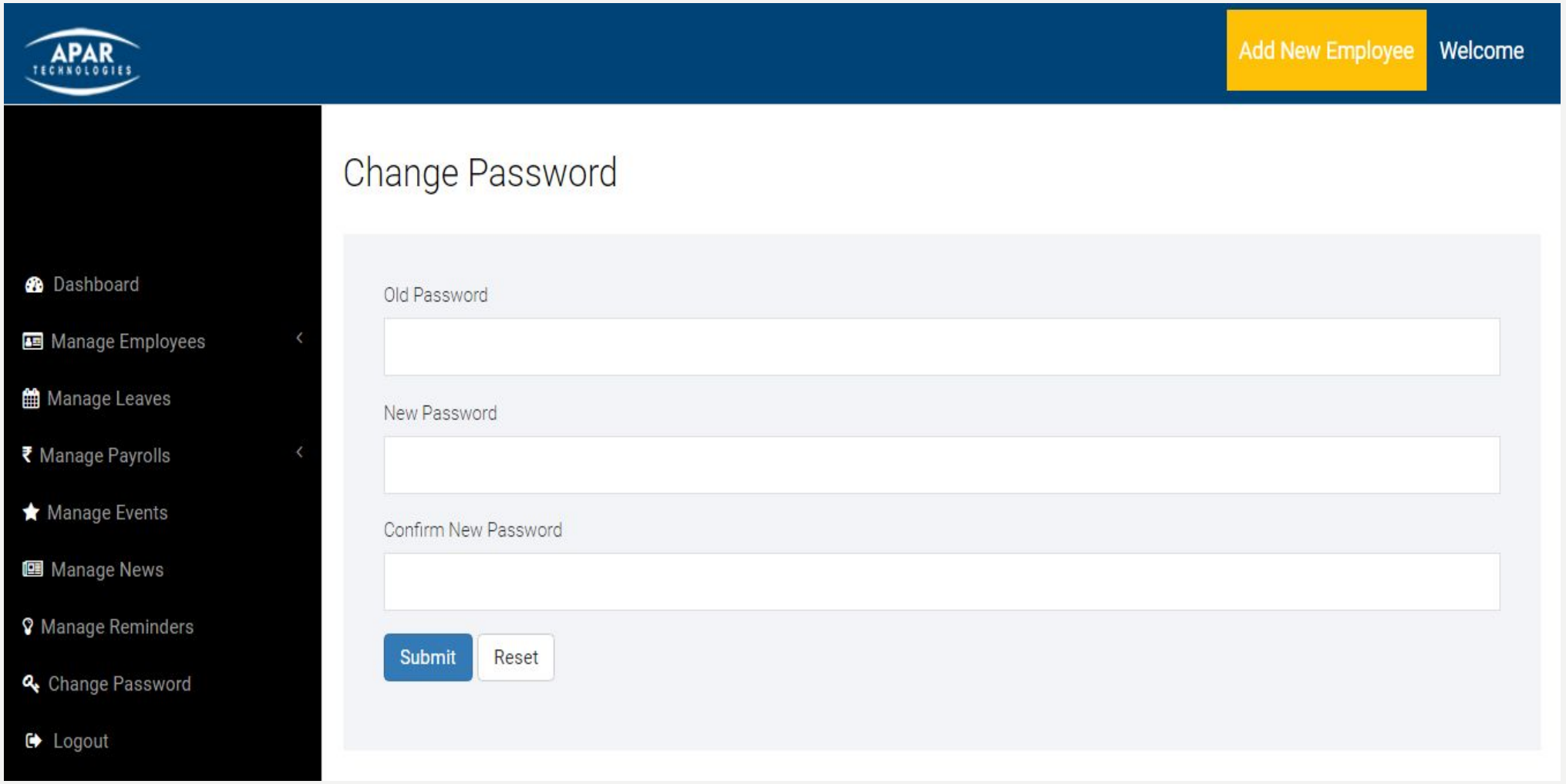
ADDING NEW EMPLOYEE



SEARCH & VIEW EMPLOYEE DETAILS



CHANGE PASSWORD PAGE



THANK YOU!