

HR MANAGEMENT SYSTEM (APAR TECHNOLOGIES)

**PRESENTED BY:
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MCA(M)**

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 aim 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

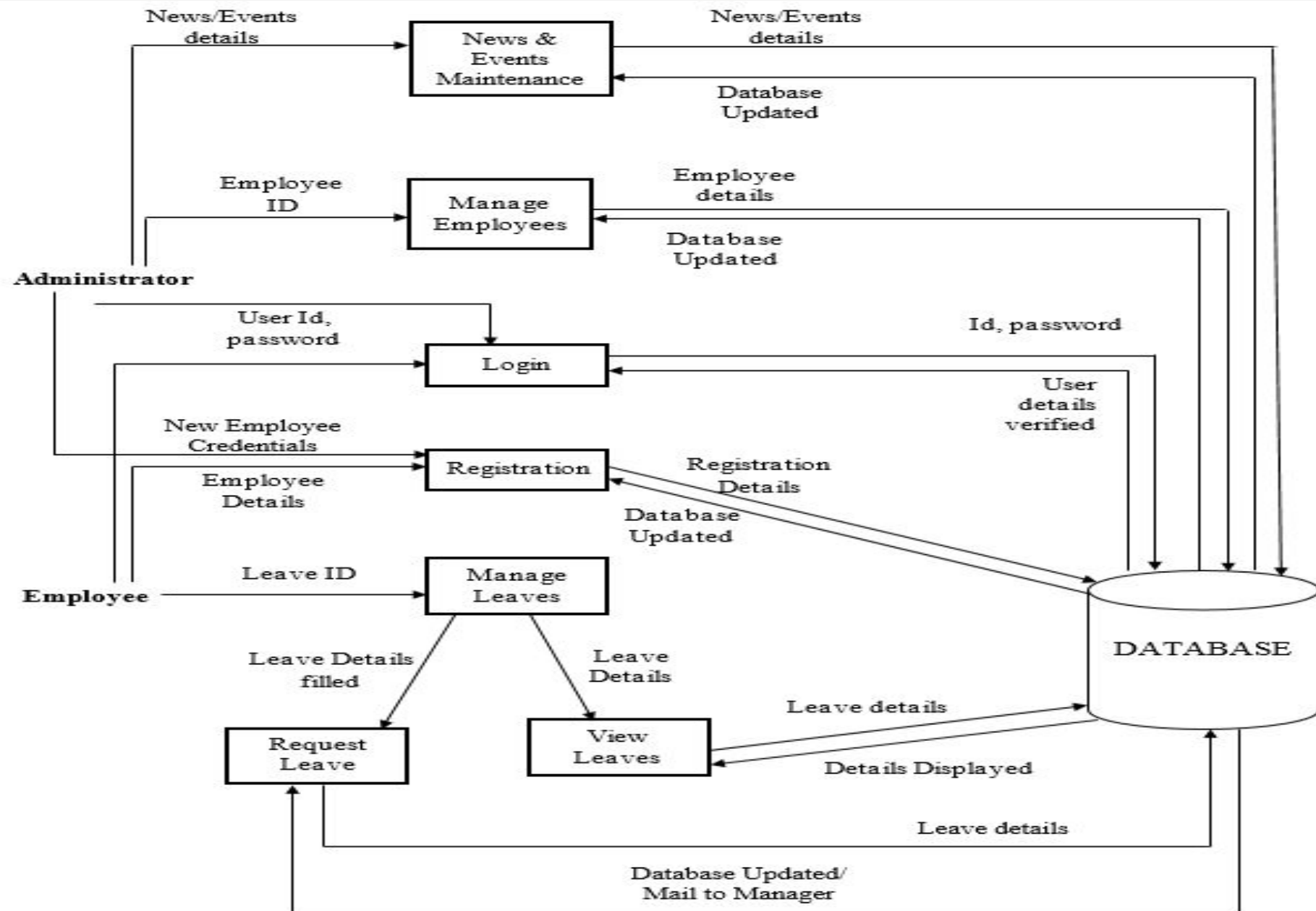
Sub-Modules:

- 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





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)	
marital_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]

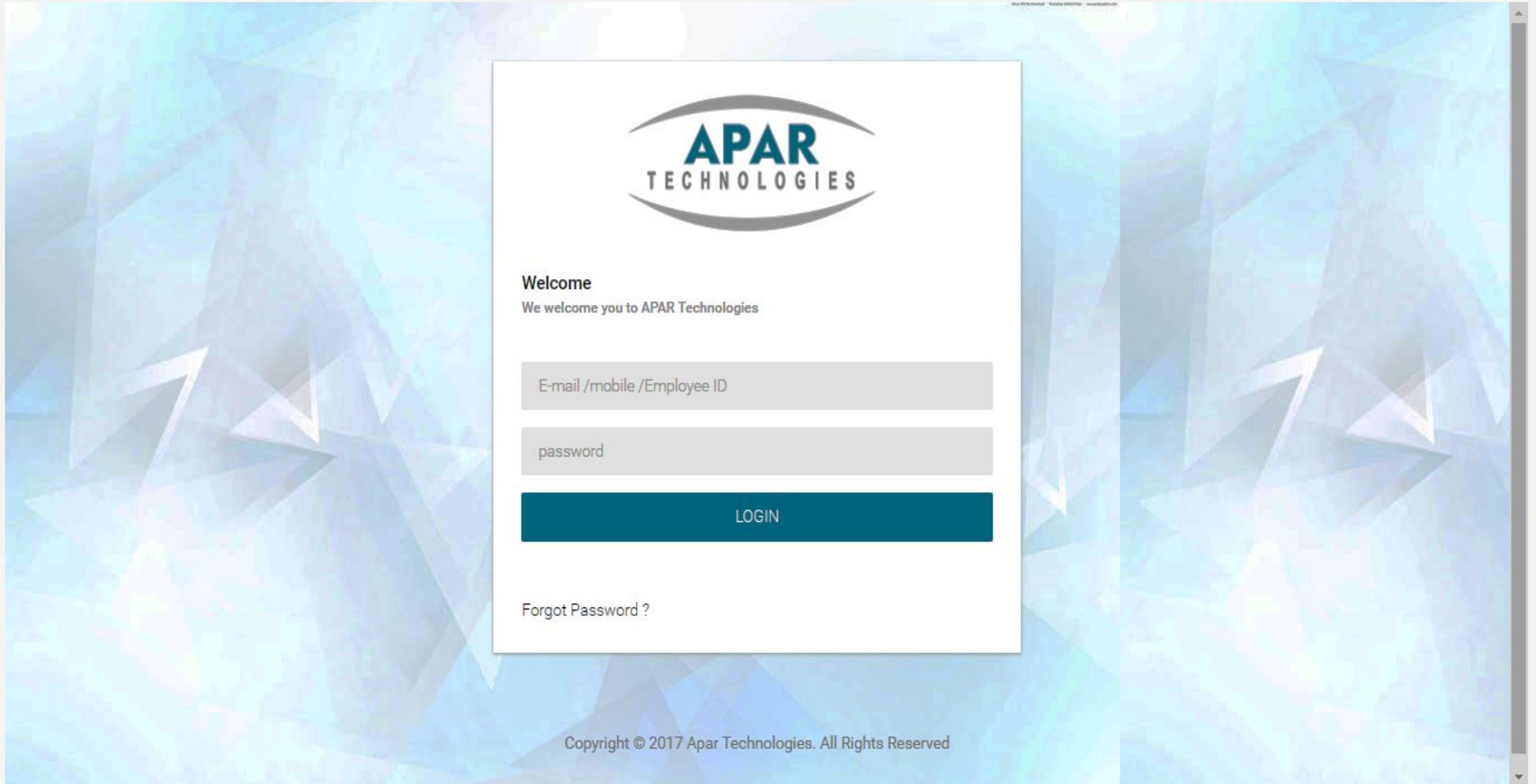
[Executed: 18/3/17 5:54:45 PM IST] [Execution: 7/ms]

emp_login

A decorative graphic on the left side of the slide consisting of three parallel, wavy vertical lines. The innermost line is yellow, the middle line is white, and the outermost line is a light gray. They all extend from the top to the bottom of the frame.

LAYOUTS

LOGIN PAGE



The login page features a central white box on a blue geometric background. At the top of the box is the APAR Technologies logo, which consists of the word 'APAR' in a bold, blue, sans-serif font, with 'TECHNOLOGIES' in a smaller, grey, sans-serif font below it. The logo is flanked by two grey curved lines. Below the logo, the text 'Welcome' is followed by 'We welcome you to APAR Technologies'. There are two input fields: the first is labeled 'E-mail /mobile /Employee ID' and the second is labeled 'password'. Below these fields is a dark blue 'LOGIN' button. At the bottom of the box is a link for 'Forgot Password ?'. The footer of the page contains the copyright notice 'Copyright © 2017 Apar Technologies. All Rights Reserved'.

APAR
TECHNOLOGIES

Welcome
We welcome you to APAR Technologies

E-mail /mobile /Employee ID

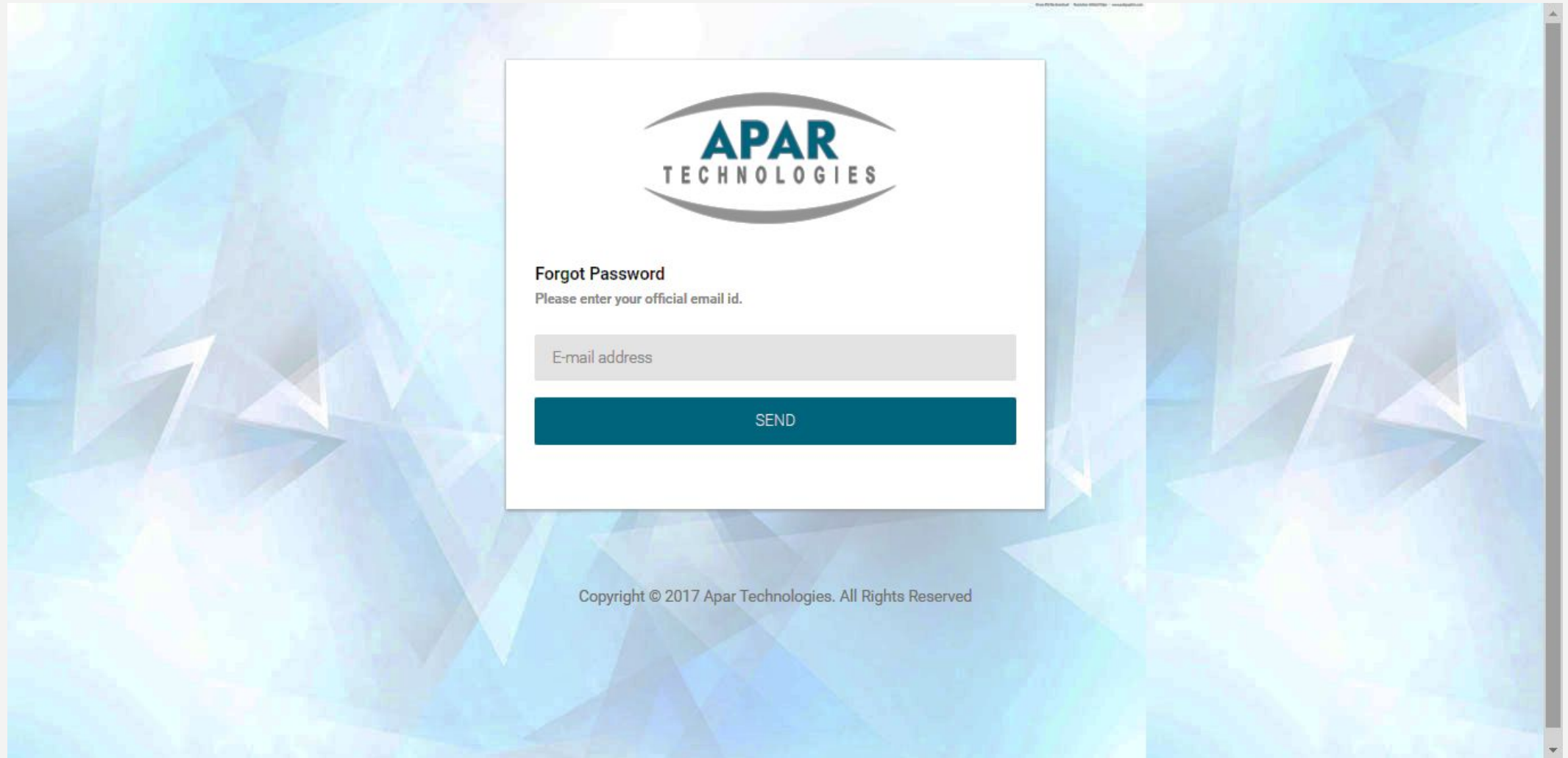
password

LOGIN

[Forgot Password ?](#)

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FORGOT PASSWORD PAGE



The image shows a web browser window displaying the 'Forgot Password' page for Apar Technologies. The background is a light blue geometric pattern. A white rectangular box is centered on the page, containing the Apar Technologies logo at the top. Below the logo, the text 'Forgot Password' is displayed in bold, followed by the instruction 'Please enter your official email id.' in a smaller font. There is a text input field labeled 'E-mail address' and a dark blue button labeled 'SEND' below it. At the bottom of the page, a copyright notice reads 'Copyright © 2017 Apar Technologies. All Rights Reserved'.

APAR
TECHNOLOGIES

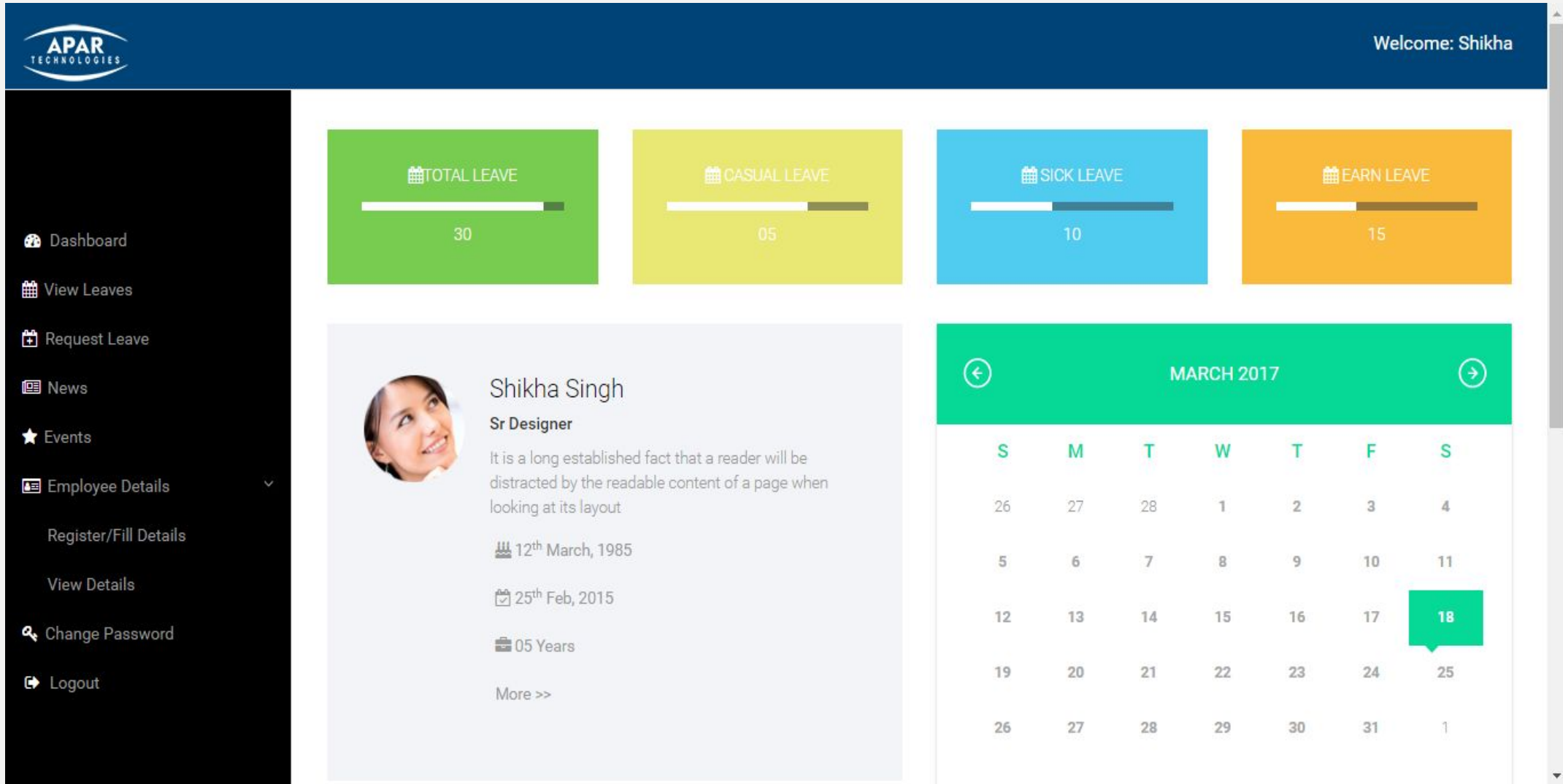
Forgot Password
Please enter your official email id.

E-mail address

SEND

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EMPLOYEE DASHBOARD



NEWS & EVENTS

APAR
TECHNOLOGIES

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
26	27	28	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

Apar News

Dummy Text Video

Building Performance Database CFA...
©02 Hours Ago 12/01/2016

Read More

Dummy Text Video

Building Performance Database CFA...
©02 Hours Ago 12/01/2016

Read More

Apar Events

Dummy Text Video

Building Performance Database CFA...
©02 Hours Ago 12/01/2016

Read More


Dummy Text Video

Building Performance Database CFA...
©02 Hours Ago 12/01/2016

Read More

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EMPLOYEE REGISTRATION FORM

Welcome: Shikha

Dashboard

View Leaves

Request Leave

News

Events

Employee Details

Employee Registration

Please mention NA if the field is not applicable to you.

Personal Details:

EMP_ID

First name

Middle name

Last name

Permanent Address:

house_number

Street

City

State

Country

Pincode

Correspondence Address

house_number

Street

City

State

Country

Pincode

Other Information

Landline

Mobile

Personal email

Marital status

Marriage date

Spouse name

No of dependents

Religion

Blood group

Qualifications

Qualification

University/college

Year of passing

Grade

Percentage

Add

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

Id type:

Expiry date:

ID number:

Upload Document

Choose File

No file chosen

Upload Document

Add Other Document

Particulars Of Employment

Date of appointment

Qualification date

Document added

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)

To (date)

dd-mm-yyyy

dd-mm-yyyy

Add

Family Details

Name

Address

Family Details

Name

Address

Relationship

DOB

Add

Nominee

Name

Relationship

DOB

Address

Share percentage

Add

Additional Details:

Only for office use.

Payroll id

Position

Department

Company_email

Salary

Status

Reporting manager

Employee type

☐ Are you sure you have filled all the fields?

Submit

Reset

VIEWING DETAILS OF EMPLOYEE



Welcome: Shikha

Personal Details

[Edit Details](#)

Name

Sikha Singh

Email

sikha.singh@apar.com

DOB

15/05/1979

Gender

Female

Father Name

Mr H. A. Singh

Mother Name

Smt. Saroj Singh

Pan

ABVF5520G

Local Address

ABVF5520G

Other Address

ABVF5520G

Landline

0120-25467892

Dashboard

View Leaves

Request Leave

News

Events

Employee Details

Register/Fill Details

View Details

Change Password

Logout

ABVF5520G

0120-25467892

Marital status

Single

Marriage date

Single

Spouse name

Single

No of dependents

Single

Religion

Single

Blood group

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

No

Confirmation date

No

Probation period

No

Resignation date of earlier organisation

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


CHANGE PASSWORD PAGE





Welcome: Shikha


 Dashboard


 View Leaves


 Request Leave

 News

 Events

 Employee Details

 Change Password

 Logout

Change Password

Old Password

New Password

Confirm New Password

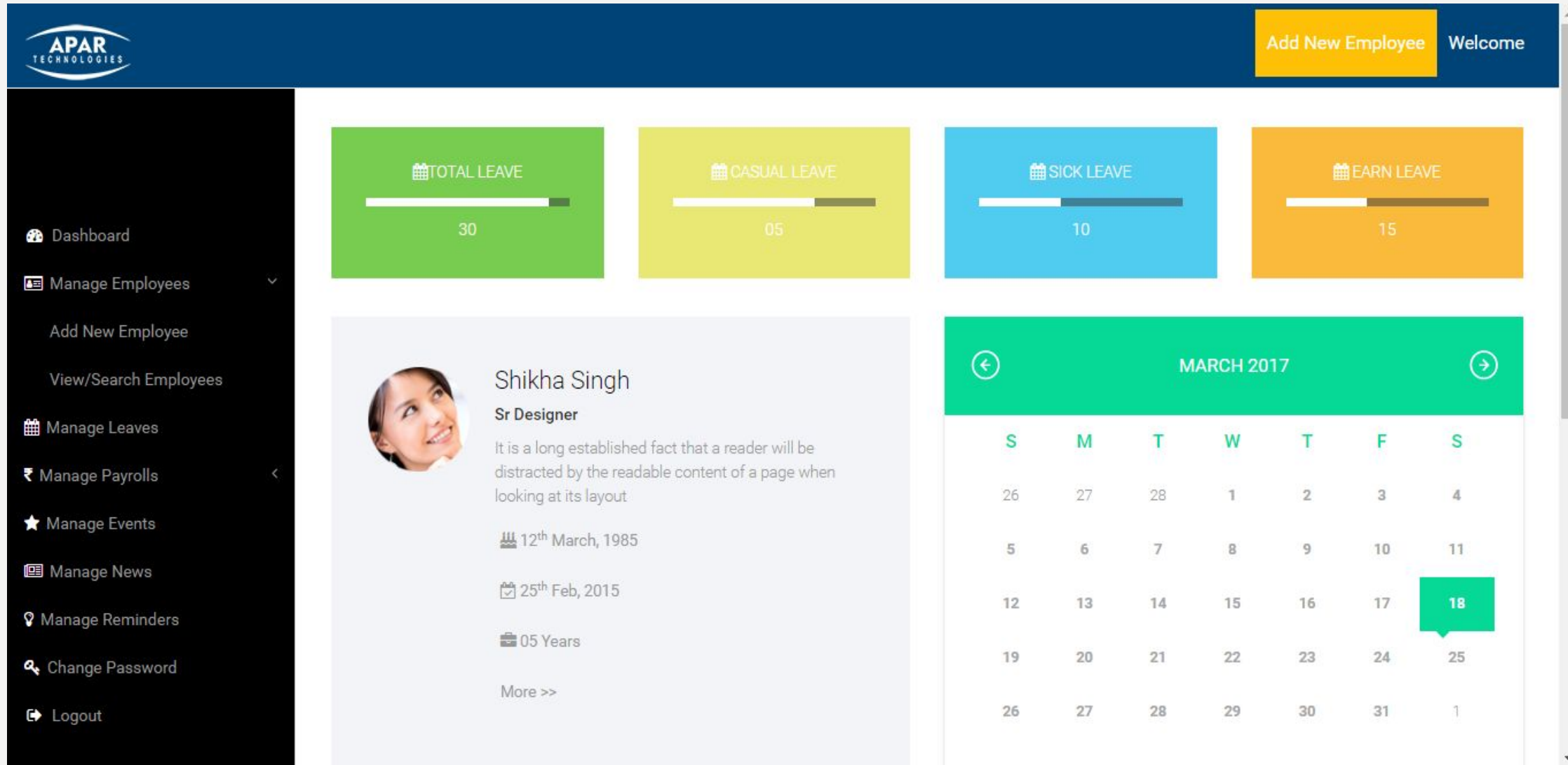
Submit

Reset


A decorative wavy line in yellow and white on the left side of the image.

ADMINISTRATOR LAYOUTS


ADMIN DASHBOARD




ADDING NEW EMPLOYEE




Add New EmployeeWelcome


 Dashboard


 Manage Employees


Add New Employee


View/Search Employees


 Manage Leaves


 Manage Payrolls

 Manage Events

 Manage News

 Manage Reminders

 Change Password

 Logout

Add new Employee

EMP_ID/Login ID

Password

Email ID

Submit

Reset

SEARCH & VIEW EMPLOYEE DETAILS

APAR
TECHNOLOGIES

Dashboard

Manage Employees

Add New Employee

View/Search Employees

Manage Leaves

Manage Payrolls

Manage Events

Manage News

Manage Reminders

Change Password

Logout

Add New Employee

Welcome

Search Employee

Employee ID

Employee Name

DoJ


Submit

Reset

Search Result

Employee Picture	Employee ID	Employee Name	DoJ	DoB	Emp Email	Contact No	Status
	2015237	Shishir Mohan Mathur	30-03-2015	15 May	shishir.mathur@apar.com	9044851943	Active
	2015237	Shishir Mohan Mathur	30-03-2015	15 May	shishir.mathur@apar.com	9044851943	Active
	2015237	Shishir Mohan Mathur	30-03-2015	15 May	shishir.mathur@apar.com	9044851943	Active

CHANGE PASSWORD PAGE



Add New EmployeeWelcome

Dashboard

Manage Employees <

Manage Leaves

Manage Payrolls <

Manage Events

Manage News

Manage Reminders

Change Password

Logout

Change Password

Old Password

New Password

Confirm New Password

Submit

Reset



THANK YOU!