RINL
VIZAG STEEL
Pride of Steel
A Navratna Company

राष्ट्रीय इस्पात निगम लिमिटेड **Rashtriya Ispat Nigam Limited**
विशाखपट्टणम इस्पात संयंत्र **Visakhapatnam Steel Plant**
तकनीकी प्रशिक्षण केन्द्र **Technical Training Institute**
विशाखपट्टणम **Visakhapatnam-530031**

No. 2016/   **0005134**   प्रमाण पत्र **CERTIFICATE**   S1603PNO2966-0087
0005134

प्रामाणित किया जाता है कि श्री/*This is to certify that*

Mr./Ms. _____PATTA DURGARAJU_____ *a student of*

(वर्ष/पाठ्यक्रम/शाखा *Year/Course/Branch/*_____II/B TECH/C S E_____

विध्यार्थी ने *from*____NATIONAL INSTITUTE OF TECHNOLOGY,RAIPUR____ . ____से

*has undergone*____PROJECT BASED____ प्रशिक्षण *training* विशाखपट्टणम इस्पात संयंत्र

के *at Visakhapatnam Steel Plant in*____INFORMATION TECHNOLOGY____

विभागों में *depts. from* दि ____23/05/2016____ से *to*____02/07/2016____ तक प्राप्त किया।

परियोजना शीर्षक *The project title is*____"RECRUITMENT APPLICATION USING BOOTSTRAP AND

____JAVA"____ है।

प्रशिक्षण अवधि में उनका आचरण *His/Her conduct during the period of training is*

____GOOD____ है।

स्थल/*Place* : Visakhapatnam

दि/*Date*   02/07/2016

प्रशिक्षण समन्वयक के हस्ताक्षर मोहर के साथ।
Signature of Training Co-Ordinator with Seal

ज.प्रभाकर राव -J. PRABHAKAR RAO
प्रबंधक(प्रशि.)-Manager(Trg.)
तकनीकी प्रशिक्षण संस्थान
Technical Training Institute
विशाखपट्टणम इस्पात संयंत्र
Visakhapatnam Steel Plant
विशाखपट्टणम-Visakhapatnam-530 031

CERTIFICATE

This is to certify that Mr. / Ms. PATTA DURGARAJU has partially completed / completed Industrial Training during the period from 23-MAY-2016 to 2-JULY-2016 in our Organization / Industry as a Partial Fulfillment of Degree of Bachelor of Technology in Computer Science & Engineering . He / She was trained in the field of _____

Signature & Seal of Training Manager

DECLARATION

I hereby declare that the Industrial Training Report entitled ("**Recruitment Application using Bootstrap & Java** ") is an authentic record of my own work as requirements of Industrial Training during the period from 23-may-2016 to 2-july-2016 for the award of degree of B.Tech. (Computer Science & Engineering), National institute of Technology , Raipur under the guidance of Mr.Sudhanshu S Choudhary.

<div align="right">

PATTA DURGARAJU

14115066

</div>

Date: _____

<u>ACKNOWLEDGEMENT</u>

Our first experience of Project has been successful, thanks to the staff for their support and many colleagues with gratitude .We wish to acknowledge all of them. However we wish to make special mention of the following.

First of all we are thankful to our project guides Mr.S.S. Choudhary & Mrs.Sriya Basumallik under whose guideline we were able to complete our project. We are wholeheartedly thankful to them for giving us their valuable time and attention also providing us a systematic way for completing our project in time.

We must make special mention of our project incharge Mr.Thyagaraju DGM [IT] for his co-operation & assistance in solving a technical problem and also Mr.K.V.S.S.R Rajeswar Rao, GM [IT&ERP] for his support. We would thank to Mr.Suman Das DGM [IT & ERP] and all lab maintenance staff for providing us assistance in various Hardware and Software problems encountered during the course of our project.

We are also very thankful to this Visakhapatnam Steel Industry for giving us opportunity to present this project.

PATTA DURGARAJU

Table of Contents:-

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LIST OF ABBREVIATIONS

Keywords used in our project:

- HTML   -   Hyper Text Markup Language.

- JDK   -   Java Development Kit

- JDBC   -   Java Data Base Connectivity

- JSP   -   Java Server Pages

- CSS   -   Cascading Style Sheets

- SQL   -   Structured Query language

- J2EE/Java EE   -   Java Enterprise Edition

INTRODUCTION TO THE PROJECT

INTRODUCTION:

In the past, Applications for any organizations are filled manually and are submitted to the organization either in hand or through post where both the options for the applicants involved a lot of effort in travelling to the organization for many times and sometimes, if the applications are limited then some of the applicants reaching the organization but a little late resulted in their efforts in vein. Applicants have to wait in queue for hours together to get an application.

Now, the days are changed, almost all the major organizations are inviting applications through online. This major change in the recent past has changed the fate of the Recruitment Systems in the large organizations.

1.1) Purpose:

Recruitment applications for various posts, various courses for various applicants. They can select the post they are applying for using the radio buttons provided in the application.

The main objective of this online recruitment process is the reduction of the human effort to the maximum possible extent and their by saving the time of both the applicants and the organization as in this modern era Time is money, saving the time of organization means saving a lot to that organization.

1.2) Application Scope:

➢ Usage of front end Framework like Bootstrap creates the Mobile responsiveness and thereby increases the number of Applicants.

➢ Supports almost all the popular browsers like the Google Chrome, Firefox etc,.

➢ Consumes lesser amount of data there by increasing the speed of Internet and decreasing the network traffic.

➢ User Friendly Graphical Interface is designed in such a way that even an applicant with minimum technical knowledge will also be able to use it.

INTRANET & INTERNET PORTALS

Intranet Portal Of Visakhapatnam Steel Plant (VSP):-

An Intranet portal is the gateway that unifies access to enterprise information and applications of intranet. It is a tool that helps a company manage its data, applications, and information more easily, and through personalized views. Some portal solutions are able to integrate legacy applications, objects from other portals, and handled thousands of user requests. In a corporate enterprise environment, it is also known as enterprise portal.

The Intranet Portal of the VSP comprises of the following fields:

1) **Chairman Online:-**It is the latest initiative in plant .It provides easy, hassle free access to the chairman. All the employees may share their problems and opinions and suggestions to improve the performance of the company directly with the CMD on the intranet.

2) **PDMS (Product Data Management System):-**The management of data regarding different department input entities for their corresponding outputs, such that the data output can be easily recorded by its mobility.

3) **Single Sign On (SSO):-** This entity enables users to have a single sign in for different fields like request to chairman for a query and at same time problems regarding their facilities in their accommodation.

4) **Chairman Desk:-**The information passed by chairman to the employees of the plant regarding various fields and particularly in some fields in which he want to stress on.

5) **First Aid Helping:-**In case of any emergency, people can contact first aid helping services and can also contact to hospital present in the plant.

6) **Bulk SMS :-** Bulk SMS, enables the transfer of a message in a bulk ,that is, for a head of the project it is important to send information to transfer all the candidates in the project and some request to other employees of various department like for their help to seek. It provides a lot of help and saving a lot of time.

7) **Employee Complaints:-**Any employee can put forward his/her problems regarding the daily work or regarding any complaints that is to be brought in front of the higher authority or to the eye of chairman.

8) **E-Learning:-**This is a very helpful field for the new employees which contains

9) Information to learn the demanded course that they are forced to have knowledge on. It eases the work by not wasting their time on searching for the topic.

10) **Public Learning:-**Public Learning**,** provides some useful courses for part-time trainees for their small period of time to make it to a large advantage.

11) **Retirement Policies:-**The plant provides policies for the retired employees of the plant with some schemes to ensure a wonderful life after retirement.

12) **Enterprise Resource Production (ERP):-** The plant has a separate department for the supply of required materials as to be provided for different departments and also provide to the department when it asks for.

Internet Of Visakhapatnam Steel Plant : -

Visakhapatnam steel plant uses the website www.vizagsteel.com to connect with outside world. This site has a very good Graphical Interface which is user friendly. It is updated very frequently.

The site has the following facilities:-

Company:- This contains the information regarding to the company which includes polices, training, Sitemap etc..

Marketing :- This contains the marketing details regarding to plant, which includes e-sales, customers, prices etc.,

Tenders:- Information regarding tenders is present here, this includes marketing, project contracts, work contracts etc..

1. This site also provides the new information in its page in 'What's New'.
2. All the media releases are present in the site in 'Media Releases'.
3. This site maintains its corporate profile up to date.
4. **Career**:- Career opportunities can be viewed in this.
5. **Contact us** :- We can contact to any information through 'Contact us'
6. **RTI**:- VSP follows RTI, where any individual have the right to know about information in plant.

In the same way this website contains options like Contracts, Auctions, Corp. Govt, Payments, Media, Careers, REIS, Kids corner etc., In the same way VSP site provides us various options and do its best to provide the best.

Operating Systems :

Different operating systems being used in VSP are

- AIX (IBM's version of Unix)
- 4LINUX (fedora core 10,11 and Ubuntu)
- Windows 2000server
- Windows 2003 server
- Windows 2008 server
- Windows storage server
- Novel networks

Technologies Used:

The technologies which are in use, in news portal are:

- Classic asp
- Html5
- SQL
- Java Server Pages
- Java Servlets
- Oracle
- MS SQL
- My SQL

Applications :

As VSP is using different technologies, the following applications are being run in VSP.

- Materials Management System(MATS)
- Human Resource Information System(HRIS)
- Head Quarter(HQ) Sales Marketing System
- Branch Sales Office(BSO) Marketing System
- Financial Accounting System(FACT)
- Production Planning and Control(PPC) System
- Maintenance Management System

- Raw materials Management System
- Technical Doc's & Information System
- Audit information Management System
- Software Configuration Management System
- Projects Management System

Websites Developed :

- VIZAGSTEEL.COM
- VSPSITE.ORG

VSPSITE.ORG

Vizag steel has an intranet portal (which can be accessed through restricted area). It largely facilitates employees to access the information about the plant, its proceedings, and day to day updates along with their individual department portals to cater with Department specific names. The intranet portal includes Home, Policies, Acts, Procedure orders, Dept portals, online systems, Publications, Vizagstel.com, External links, Misc.

- Home page is well designed with latest updated (business, commercial) news. It was designed using ASP.NET. It includes latest news, press releases. It has detailed information of daily and monthly productions. Circulars for pay & provident fund's affairs, town administration details, vigilance and personal information is always available. Gallery services area also available. Annual reports include statistics related domain. We have corporate news and steel news which gives the news related to it. Bulletin boards gives the information of the latest announcements (regarding the transport i.e bus pass circulars, water distribution), etc are shown .There is a I-search present which search for the information that is required. Above the I-search presents the 3 button which link to their respective pages for latest 5, daily production report, period wise.

- Policies defines the different types of policies present which give the policies about corporate policies, IT policy, IT security policy, Maintenance's policy, Energy policy , Vigilance policy.

- Acts – In this acts the energy conservation , environment , RTI , safety etc are present

- Procedure orders define the list of procedures.

- Departments portals includes works , non-works , others, internet website

- Each department has its own portals where they give the policies and procedures, highlights, new initiations, resources present, technology used, sites used etc.

- ONLINE systems has the web mail, Employee Information System, Gurjada kalakshetram booking information , employee thrift and credit society, HRD training information, medical reimbursement, employee pay.

- This website also has a link to internet website i.e vizagsteel.com where in the intranet also vizagsteel.com will be visible but in internet we cannot see the vspsite.org

- Intranet includes the leave management system in which the person who wants leave can send a request and the leave is sanctioned or not is known when the employee head sends a mail with the answer.

- Employee Information System (EIS) is developed to provide Pay, Personal Finance, Medical and Town Administration information on the Intranet.
- ❖ It has the pay slip where the monthly paid details are given.
- ❖ Personal finance means the details regarding the loans taken are present.
- ❖ Medical means all the dependents details about the health problems, medicines use if any and the test taken with the report are present in this intranet.
- ❖ Town administration details such as Repair in the township where the employee lives and sends the complaints to the respective office and completes the repair.

SYSTEM DESIGN

The system design is needed for information processing technology and the user interface development analysis. The applicant is first asked to check a checkbox which implies that the user has already read the terms and conditions concerning the recruitment process. For this project, the front part is done using HTML5 and CSS3 along with a front end Frame work called Boot Strap. The backend language chosen for this project is the Enterprise Edition of the Java and the Data Base used is the Oracle XE of the version 10G.

Stage1:

Next the applicant is prompted to enter his/her basic details required for the application like the post applying for, category etc,.

In the next phase, the details entered by the user graphically are validated at the client side itself using Java Script. This increases the accuracy of the details and decreases the network flow thereby reducing the stress on the Server. The web servers used for this project are Glass Fish server 3.1 and Apache Tomcat 7.0.11.

After the validations using the Java Script, the details are set to the server using the Java Server Pages which then connects the server to the Data Base, where the tables required were already created. Then the stage 1 are then saved to the database. In the later stages, the user is prompted to upload his recent photograph which must be in the jpg format only. Then the photograph is also saved to the data base and the user is given a registration number which must be saved by the user for successful completion the application.

Now, the user needs to go back to the home page and click on the link showing the Stage 2 application.

Stage 2:

Then the user is prompted to Login with the registration number already given to him in the previous stage and the email id which was given by the user in his basic details. The details entered by the user in the Login page are again validated using the java script and then are processed by the java server pages which checks in the database for the entry with that details are not. If the details are not present in the database, then the user is displayed with an error message saying that it's an invalid entry and the user is redirected to the home page.

If the details were entered correctly, the user is redirected to another page where the user is asked to enter other details like the Qualification details and experience details.

They are then saved to the data base using the java server pages and user is redirected to another page where user is provided with an option to down his/her application from in the pdf format which can be saved for further references.
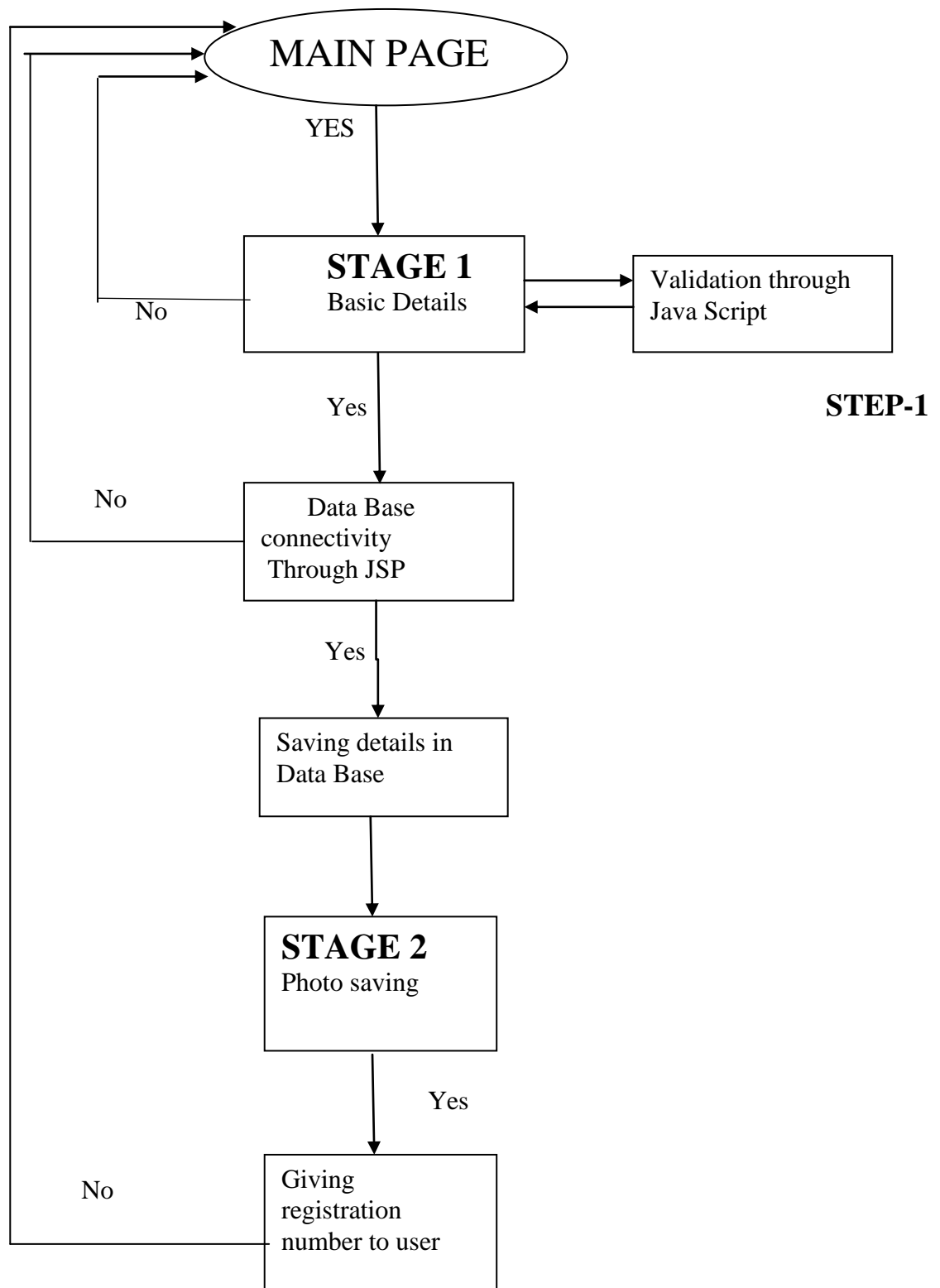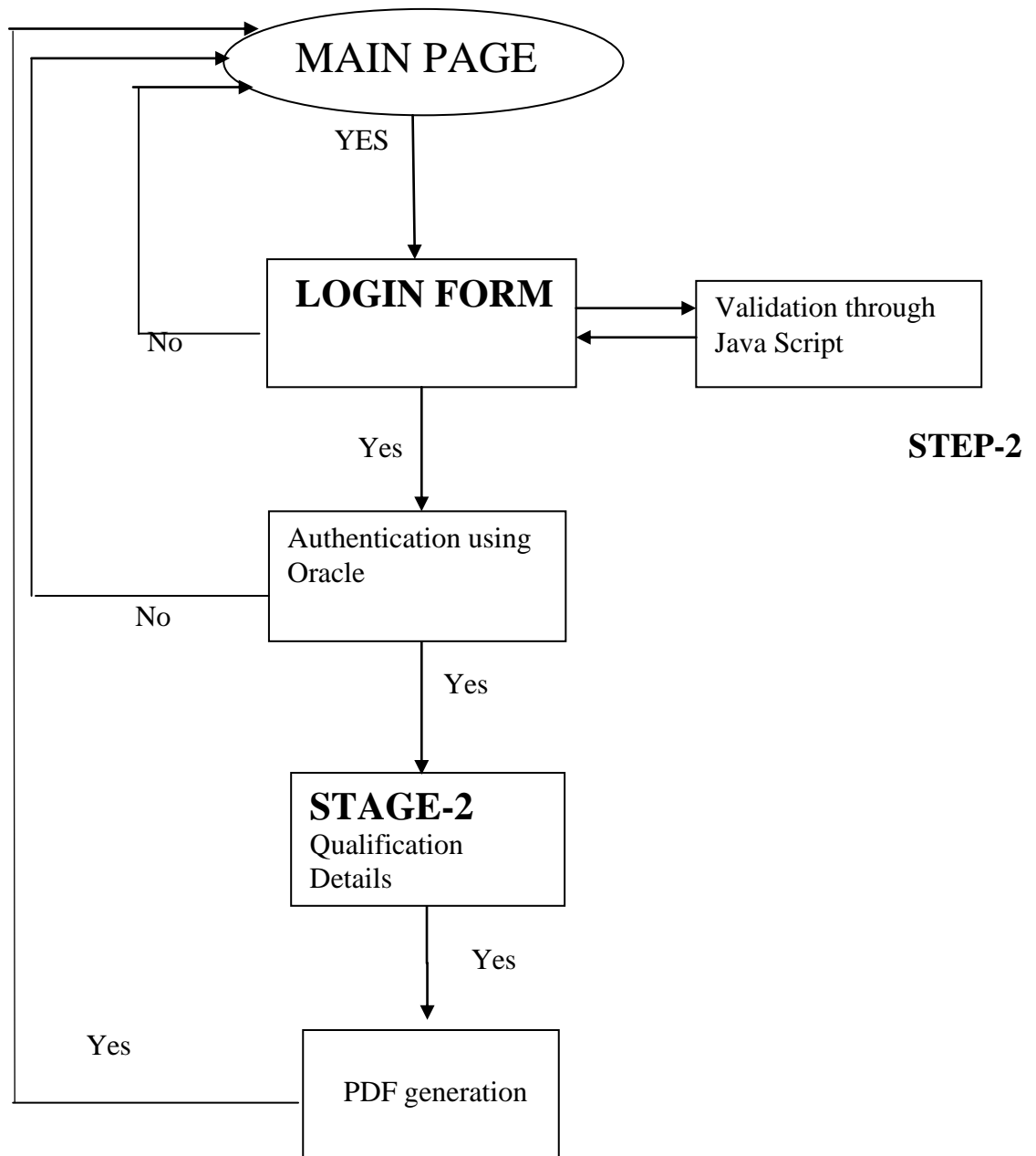
DATA FLOW DIAGRAM

Data flow diagrams are also known as bubble charts. DFD is a designing tool used in the top-down approach to Systems Design. This context-level DFD is next "exploded", to produce a Level 1 DFD that shows some of the detail of the system being modeled. The Level 1 DFD shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole. It also identifies internal data stores that must be present in order for the system to do its job, and shows the flow of data between the various parts of the system.

Data flow diagrams are one of the three essential perspectives of the structured-systems analysis and design method SSADM. The sponsor of a project and the end users will need to be briefed and consulted throughout all stages of a system's evolution. With a data flow diagram, users are able to visualize how the system will operate, what the system will accomplish, and how the system will be implemented. The old system's dataflow diagrams can be drawn up and compared with the new system's data flow diagrams to draw comparisons to implement a more efficient system. Data flow diagrams can be used to provide the end user with a physical idea of where the data they input ultimately has an effect upon the structure of the whole system from order to dispatch to report. How any system is developed can be determined through a data flow diagram model.

In the course of developing a set of *leveled* data flow diagrams the analyst/designer is forced to address how the system may be decomposed into component sub-systems, and to identify the transaction data in the data model.

Data flow diagrams can be used in both Analysis and Design phase of the SDLC.

```
        ┌──────────────────────┐
        │     MAIN PAGE        │
        └──────────────────────┘
                 │ YES
                 ▼
        ┌──────────────────┐         ┌──────────────────────┐
   No   │   STAGE 1        │────────▶│ Validation through   │
        │   Basic Details  │◀────────│ Java Script          │
        └──────────────────┘         └──────────────────────┘
                 │ Yes                          STEP-1
                 ▼
   No   ┌──────────────────┐
        │   Data Base      │
        │   connectivity   │
        │   Through JSP    │
        └──────────────────┘
                 │ Yes
                 ▼
        ┌──────────────────┐
        │ Saving details in│
        │ Data Base        │
        └──────────────────┘
                 │
                 ▼
        ┌──────────────────┐
        │   STAGE 2        │
        │   Photo saving   │
        └──────────────────┘
                 │ Yes
                 ▼
   No   ┌──────────────────┐
        │ Giving           │
        │ registration     │
        │ number to user   │
        └──────────────────┘
```

10

```
                    ┌─────────────────────────┐
                    │       MAIN PAGE          │
                    └─────────────────────────┘
                              │ YES
                              ▼
          ┌──────────────────────┐          ┌─────────────────────┐
          │    LOGIN FORM        │ ───────▶ │ Validation through  │
          │                      │ ◀─────── │ Java Script         │
    No    └──────────────────────┘          └─────────────────────┘
                              │ Yes                          STEP-2
                              ▼
          ┌──────────────────────┐
          │ Authentication using │
          │ Oracle               │
    No    └──────────────────────┘
                              │ Yes
                              ▼
          ┌──────────────────────┐
          │ STAGE-2              │
          │ Qualification        │
          │ Details              │
          └──────────────────────┘
                              │ Yes
                              ▼
    Yes   ┌──────────────────────┐
          │ PDF generation       │
          └──────────────────────┘
```

MAIN PAGE

YES

LOGIN FORM

Validation through Java Script

STEP-2

No

Yes

Authentication using Oracle

No

Yes

STAGE-2
Qualification Details

Yes

Yes

PDF generation

Data Base design

```
CREATE TABLE  "VSPFORM"
   ( "CATEGORY" VARCHAR2(20),
    "PH" VARCHAR2(20),
    "JK" VARCHAR2(4000),
    "MINORITY" VARCHAR2(4000),
    "EXSERVICEMEN" VARCHAR2(4000),
    "SPORTS" VARCHAR2(4000),
    "FEE" NUMBER,
    "FNAME" VARCHAR2(4000),
    "MNAME" VARCHAR2(4000),
    "LNAME" VARCHAR2(4000),
    "DOB" VARCHAR2(10),
    "NATIONALITY" VARCHAR2(4000),
    "GENDER" VARCHAR2(4000),
    "EMAIL" VARCHAR2(4000),
    "FATHERNAME" VARCHAR2(4000),
    "ADDRESS" VARCHAR2(4000),
    "CITY" VARCHAR2(4000),
    "DISTRICT" VARCHAR2(4000),
    "PIN" NUMBER,
    "STATE" VARCHAR2(4000),
    "NEARRAILWAY" VARCHAR2(4000),
    "MOBILE" NUMBER,
    "LANDLINE" NUMBER,
    "EXMCENTER" VARCHAR2(4000),
    "QEXM1" VARCHAR2(4000),
    "QEXM2" VARCHAR2(4000),
    "DISCIPLINE" VARCHAR2(4000),
    "SUBDISCIPLINE" VARCHAR2(4000),
    "INSTITUTE" VARCHAR2(4000),
    "UNIVERSITY" VARCHAR2(4000),
    "COURSE" VARCHAR2(4000),
    "FINALEXM" VARCHAR2(4000),
    "YRCMPLN" VARCHAR2(20),
    "EXPERIENCE" VARCHAR2(4000),
    "LASTCMNY" VARCHAR2(4000),
    "FRMMNTH" VARCHAR2(4000),
    "TOMNTH" VARCHAR2(4000),
    "CMPNYTYPE" VARCHAR2(4000),
    "REGISTRATIONNO" NUMBER,
    "PHCERTINO" VARCHAR2(20),
    "OBCCERTINO" VARCHAR2(20),
    "PAN" VARCHAR2(20),
    "AADHAR" NUMBER,
     CONSTRAINT   "RECRUITMENT_PK"   PRIMARY   KEY   ("REGISTRATIONNO")
    ENABLE
```

Column Name	Data Type	Nullable	Default	Primary Key
REGISTRATIONNO	NUMBER	No	-	1
CATEGORY	VARCHAR2(20)	Yes	-	-
PH	VARCHAR2(20)	Yes	-	-
JK	VARCHAR2(4000)	Yes	-	-
MINORITY	VARCHAR2(4000)	Yes	-	-
EXSERVICEMEN	VARCHAR2(4000)	Yes	-	-
SPORTS	VARCHAR2(4000)	Yes	-	-
FEE	NUMBER	Yes	-	-
FNAME	VARCHAR2(4000)	Yes	-	-
MNAME	VARCHAR2(4000)	Yes	-	-
LNAME	VARCHAR2(4000)	Yes	-	-
DOB	VARCHAR2(10)	Yes	-	-
NATIONALITY	VARCHAR2(4000)	Yes	-	-
GENDER	VARCHAR2(4000)	Yes	-	-
EMAIL	VARCHAR2(4000)	Yes	-	-
FATHERNAME	VARCHAR2(4000)	Yes	-	-
ADDRESS	VARCHAR2(4000)	Yes	-	-
CITY	VARCHAR2(4000)	Yes	-	-
DISTRICT	VARCHAR2(4000)	Yes	-	-
PIN	NUMBER	Yes	-	-
STATE	VARCHAR2(4000)	Yes	-	-
NEARRAILWAY	VARCHAR2(4000)	Yes	-	-
MOBILE	NUMBER	Yes	-	-

MOBILE	NUMBER	Yes	-	-
LANDLINE	NUMBER	Yes	-	-
EXMCENTER	VARCHAR2(4000)	Yes	-	-
QEXM1	VARCHAR2(4000)	Yes	-	-
QEXM2	VARCHAR2(4000)	Yes	-	-
DISCIPLINE	VARCHAR2(4000)	Yes	-	-
SUBDISCIPLINE	VARCHAR2(4000)	Yes	-	-
INSTITUTE	VARCHAR2(4000)	Yes	-	-
UNIVERSITY	VARCHAR2(4000)	Yes	-	-
COURSE	VARCHAR2(4000)	Yes	-	-
FINALEXM	VARCHAR2(4000)	Yes	-	-
YRCMPLN	VARCHAR2(20)	Yes	-	-
EXPERIENCE	VARCHAR2(4000)	Yes	-	-
LASTCMNY	VARCHAR2(4000)	Yes	-	-
FRMMNTH	VARCHAR2(4000)	Yes	-	-
TOMNTH	VARCHAR2(4000)	Yes	-	-
CMPNYTYPE	VARCHAR2(4000)	Yes	-	-
PHCERTINO	VARCHAR2(20)	Yes	-	-
OBCCERTINO	VARCHAR2(20)	Yes	-	-
PAN	VARCHAR2(20)	Yes	-	-
AADHAR	NUMBER	Yes	-	-
				1 - 43

Table Data **Indexes** Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Create Drop

Index Name ▲	Uniqueness	Columns	Status	Index Type	Temporary	Partitioned	Function Status	Join Index
RECRUITMENT_PK	UNIQUE	REGISTRATIONNO	VALID	NORMAL	N	NO	-	NO

1 - 1

Table Data Indexes Model **Constraints** Grants Statistics UI Defaults Triggers Dependencies SQL

Create Drop Enable Disable

Constraint	Type	Table	Search Condition	Delete Rule	Status	Last Change	Index	Invalid
RECRUITMENT_PK	P	VSPFORM	-	-	ENABLED	22-JUN-16	RECRUITMENT_PK	-

1 - 1

Table Data Indexes Model Constraints Grants Statistics UI Defaults **Triggers** Dependencies SQL

Create Drop Enable Disable

Trigger Name	Trigger Type	Triggering Event	Status
BI_VSPFORM	BEFORE EACH ROW	INSERT	ENABLED

1 - 1

SNAPSHOTS

ONLINE REGISTRATION OPENS ON 27-06-2016 AND ENDS ON 07-07-2016

Student details
Advertisement
Online Registration
Upload Photos
Reprint of Challans
Stage-2 Details Entry
Reprint of Registration Slip
Forgot Reg.No
F A Q
Contact Us
payment of application
fees by Challan can be
done at SBI branches
from
27-03-2016 to 07-04-2016

ONLINE REGISTRATION

☐ I have carefully read the Advertisement NO.06/2016for the post of junior Trainee in RINL-VSP and accept the terms and conditions given in the Advertisement. I have also gone through the FAQ.

Click here to Apply

Figure 1-HomePage

BASIC DETAILS

Post Applying For	○ M.Tech ○ M.Sc
Category	○ GEN/OBC ○ SC/ST
Physically Challenged	○ YES ◉ NO
Are you an Ex-Servicemen	○ YES ◉ NO
Are you an Sports Person	○ YES ◉ NO
Domiciled in J&K state	○ YES ◉ NO
Minority Status	--select-- ▾
Application Fee	

Figure 2-BasiclDetails(1)

Figure 3-BasicDetails(2)

Figure 4-IdentificationDetails

Figure 5-RegistrationNumberGeneration

Figure 6-LoginForm

Invalid Details!!!
Please try again.

Figure 7-InvalidEntry

Figure 8-Stage2(1)

Figure 9-Stage(2)

Figure 10-PDF_Generation

RESULT

We were successfully able to design portal for online recruitment form for recruiting new employees in the company "RASHTRIYA ISPAT NIGAM LIMITED" for the respective posts needed for the company.

In this Online Recruitment Form, we successfully completed the registration of the applicant for the post he wants to work for and generating unique application id for the individual who applied.

We were also successful in saving the applicant's data in the ORACLE DATABASE and linking through JSP (java server pages) and also retrieving the data from ORACLE DATABASE through JSP for generating application form in the form of PDF for the applicant as a proof of his successful registration and his further process.

CONCLUSION AND FUTURE SCOPE

The project entitled" ***Recruitment Application using Bootstrap & Java"*** has been effectively designed and developed to analyze and it was successfully concluded by meeting the requirements specified by the software requirements document. After careful verification and validation procedures, it has been confirmed that it satisfies its user and system requirements.

Making the whole system extremely user-friendly and efficient application development makes the system easy for the end-user to work with. The project is also well documented so that if the user wants any help about how the system is designed and implemented, he can look back.

The aim behind the development of VSP NEWS PORTAL is to help '**Visakhapatnam Steel Plant**' serve its employees in more efficient and well-organized manner for accessing VSP News details.

Keeping this aim in mind, utmost care was taken at every stage, to develop effective system.

We can work in improving security.

BIBLIOGRAPHY

NAME OF THE BOOK   **REFERENCES**

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- Modern Java Script Develop & Design   Larry Ullman