

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI-590018



*Project Report on*

## **Automatic Exam Hall Seat Arrangement**

Submitted in partial fulfillment of the requirements for the 6th semester

### MASTER OF COMPUTER APPLICATIONS

Of

Visvesvaraya Technological University  
Belgaum, Karnataka

By

HEMALATHA L  
1CR18MCA63

Under the guidance of

Internal Guide

External Guide Dr.ABDUL RASHEED

Mr.RAGHU RAO Professor, MCA Department,  
solutions, CMR Institute of Technology,

PraLoTech  
Bangalore. Bangalore



### CMR INSTITUTE OF TECHNOLOGY

132, IT Park Road, Kundalahalli, Bangalore-560037  
2018-2019

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2018-2019

**CMR INSTITUTE OF TECHNOLOGY**  
Department of Master of Computer Applications  
Bangalore-560037



**CERTIFICATE**

This is to certify that the project work entitled AUTOMATIC EXAM HALL SEAT ARRANGEMENT SYSTEM Submitted in partial fulfilment of the requirement for the award of the degree of Master of Computer Applications of the Visvesvaraya Technological University, Belgaum, Karnataka bonafide work carried out by

HEMALTHA L  
1CR18MCA63  
during the academic year 2019-2020

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Dr.ABDUL RASHEED  
MCA

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Signature of the HOD  
Ms. Gomathi .T  
HOD, MCA

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Signature of the Principal Dr.  
Dr. Sanjay Jain Professor,  
PRINCIPAL, CMRIT

Name of the Examiners  
1.  
2.

External Viva

Signature with date

# CERTIFICATE



REG NO: AAN8688

**PraLoTech Solutions LLP**

DATE: 5<sup>th</sup> march 2020

## CERTIFICATE

We hereby confirm that Ms **Hemalatha L** of your college CMR Institute of Technology with USN: **1CR18MCA63**, has successfully completed the project at PraLoTech Solutions LLP from 2<sup>nd</sup> jan 2020 to 3<sup>rd</sup> march 2020.

The Project based on HTML & JAVA SWINGS with Title "Exam Seat Allocation" Under the guidance of Mr Raghu P Project Director, PraLoTech Solutions LLP, Bangalore-560049

For PraLoTech Solutions LLP

  
Director

Kind Regards

Project Manager

#1, Silicon Plaza, Near T. C. Palya Signal, Subbasmagar, K. R. Pura, Bangalore -560 049

## DECLARATION

I, **HEMALATHA L**, student of 6th MCA, **CMR Institution of Technology**, bearing the USN **1CR18MCA63**, hereby declare that the project entitled “AUTOMATIC EXAM HALL SEAT ARRANGEMENT SYSTEM” has been carried out by me under the supervision of External Guide Mr. **RAGHU RAO**, Project Manager, and Internal Guide **Dr. ‘ABDUL RASHEED’, Professor, Dept. of Master of Computer Applications** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2018-2019. The reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Date:

Place: Bengaluru

**HEMALATHA L**

**1CR18MCA63**

## **ACKNOWLEDGEMENT**

I would like to thank all those who are involved in this endeavour for their kind cooperation for its successful completion.

At the outset, I wish to express my sincere gratitude to all those people who have helped me to complete this project in an efficient manner.

I offer my special thanks to my external project guide Mr. RAGHU RAO Project Manager, PraLoTech Solutions LLP., Bangalore, and to my Internal Project guide Dr. ABDUL RASHEED, Department of MCA, CMRIT, Bangalore without whose help and support throughout this project would not have been this success.

I am thankful to Dr. SANJAY JAIN, Principal, CMRIT, Bangalore for his kind support in all respect during my study.

I would like to thank Mr. RAGHU RAO , Project Manager, PraLoTech Solutions LLP., Bangalore, who gave opportunity to do this project at an extreme organization Most of all and more than ever, I would like to thanks my family members for their warmness, support, encouragement, kindness and patience.

I am really thankful to all my friends who always advised and motivated me throughout the course.

HEMALATHA L  
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THANK YOU  
Ms. Gomathi .T  
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## **ABSTRACT**

An automatic exam hall seat arrangement system is an essential software application to reduce the manual work. It is used for developing efficient seat allocation process in university/college examination system and helps the students to easily find the examination hall. This project keeps track of various details in modules such as, Students Details, Examination Timing Details, and Hall Details with the proper descriptions and automatically generates exam seat arrangement for every student and sends a message to the students about the exam details. This is overall controlled by admin/co-coordinator. It is developed in java language. This project is developed as a web application.

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# **CHAPTER 1**

## **INTRODUCTION**

An automatic exam hall seat arrangement system is essential software to reduce the manual work. It is used for developing efficient seat allocation process in university/college examination system. It helps the students to easily find the examination hall. This is overall controlled by admin/

co-ordinator. It is developed in java language. This project is developed as a web application.

The extent of the undertaking is the framework on which the product is introduced, it will work for a specific establishment. The majority of the understudies are confronting numerous issues for finding the test lobby and their seats separately. This recently created idea can help for the understudies for checking their test corridors. This undertaking causes the understudies to distinguish the bottom or get bearings to their individual corridors lacking delay. The Students subtleties have data pretty much all the understudies who go to the assessment. It contain the surname of the understudy, exam hall registration number, student studied in the school of the understudy . Corridor students information should all out number of lobbies accessible organization another name is lobby. The undertaking monitors different subtleties in modules, for example, Students information, Examination Timing information, and Hall information with the correct portrayals. It consequently create test seat plan for each understudy and makes an impression on the understudies about the test subtleties.

### **EXISTING SYSTEM**

Existing framework is exceptionally moderate and wasteful. details age is additionally not a simple assignment in the current circumstance. Additionally on the off chance that the report is produced, at that point counts are done physically that prompts more mistakes.

There is a great deal of physical work engaged with present framework with mix-up in one detail can prompt wrong age of legitimate assortment of prerequisites drives a gigantic issue for this framework.

This framework is to upgrade manual work and furthermore more vitality is squandered to apportion the guest plan.

## **1. ADVANTAGE OF EXISTING SYSTEM**

The present existing framework has some of not many points of interest which resemble less equipment and programming required, modest in correlation of automated framework In the current framework the majority of work are finished by physically and dependent on paper. On account of these explanation the necessity of equipment and programming is less and the prerequisite of equipment and programming so less that why the expense of the framework is low in examination of modernized framework.

## **2. IMPEDIMENTS**

- present framework that have been done by people and each reports looked after physically. That's the guest plan to understudies can't so resolved or refreshing isn't finished.

- Time Consuming
- Less Efficient
- more physical task should be done
- Less perfect
- Not easy to understand as son we use it
- complex lobby voucher age

## **PROPOSED SYSTEM**

### **1. EASY TO UNDERSTAND**

This outline are painless for comprehend for revitalization other gives up the data. And its immediate to stock up the information. It is kept up professionally. The graph is actualized in this planned scaffold.

That's the enough proficient for this accessible framework.

### **2. REPORTS THEY EFFORTLESSLY ACTIVIED**

hearsay similar to guest plans can be handily created in this planned framework by that client can produce the details according to the necessity and their desire for the period of month or the day yet not in the meeting.

### **3. EXCEPTIONALLY LESS DOCUMENTARY**

The anticipated framework exceptionally take away desk job. each the information gone PC promptly and information are produced so assistance by PCs. With the goal that work will roll end extremely plain by argument they compel rationale for hold the data on pages more.

### **4. PC HAND MANAGE**

PC administrator manage accessible by this pace are blunders they are smaller amount. put out also convalescing the data are straightforward. and effort is done in right time also furthermore great velocity.

## CHAPTER 2

### LITERATURE SURVEY

Writing study is chiefly completed so as to break down the foundation of the flow venture which assists with discovering research holes in the current frame job and address them. In this way, the accompanying subjects outline the foundation of the task as well as reveal the issues and examination holes, along these lines propelling us to propose arrangements and job on this venture. Following area investigates distinctive exploration papers that examine around a few subjects identified with the programmed seat designation.

#### **2.1 Mr. RAGHU RAO “Exam Hall and every single Seating Arrangement System Using PHP”[1]**

- 3 This paper presents a web application that is produced for the school to disentangle assessment corridor apportioning and guest plan. It encourages to get to the assessment data of a specific understudy in a specific class. The reason for building up this application is to create the guest plan report consequently during tests toward the finish of the meeting or in the middle of the meeting. The vast majority of the understudies are confronting numerous issues for finding the test lobby and their seats individually. This recently designed idea can help for the understudies for inspection their test lobbies. This encourages them to distinguish the bottom or get bearings to their separate lobbies lacking delay. The Students subtleties have data pretty much all the understudies who go to the assessment .It contain the first student information understudy, registration number, division to understudy also lobby. Corridor information also absolute numeral of lobbies accessible in the establishment and the surname of the lobby. Group information contain section information for ex., Computer Science, Biology, Chemistry, Mathematics and so on., and the assessment timings subtleties have absolute planning assigned to understudies and lobby and so forth. This application monitors different subtleties in modules, for example, Students information, exam Timing detail, and Hall information with the correct portrayals.
- 4 This investigate paper is dedicated to simplify the work of manual seating arrangements for the examination hall. The exam seat display is one of the not easy and complex jobs for

universities/colleges. Due to the large numeral of students, subject and accommodation, the exam seat organization becomes a compound one. This paper offer resolution for the exam seating display difficulties. It provides an easy way for the students to find the examination hall through e-mails.

## **2.2 “Automatic Seating Arrangement of University Exam” [3]**

The fundamental plan of the paper is to reduce the mammoth undertaking of physically distributing seats during an assessment. This paper gives a compelling measure to powerfully designate understudies in a homeroom. This exploration can be additionally reached out to seating arranging in gatherings, weddings, cinemas and so on. It gives a composed framework which empowers to naturally assign understudies to their ideal area. A portion of the couple of advantages of this paper are that it is quick, dependable and vigorous. In this day and age, it is the instrument for occasion the executives which is very valuable of different events.

## **2.3“Seating arrangement Tools for examinations”,**

This paper will introduce answer for demonstrating the quality instruction. At the point when the quantity of understudies, subjects, offices and rooms gets expanded test corridor seating the executives gets mind boggling, keeping up the test condition with the best possible guest plan is one of the troublesome employments for the organizations. This paper gives answer for test guest plan issues that can be accomplished through the execution of proposed chromatic polynomial calculation. This paper gives answer for forestalling some test corridor unoriginalities by masterminding seats for huge number of understudies and it additionally discovers the best mix of rooms to be allocated for the test to compose flawless seating dependent on the limit of the test lobby, number of understudies, separation of subjects. It gives preferable lobby seating plan over the manual framework utilized by the establishments. It additionally has a few highlights to create reports for non-attendant's rundown utilizing picture handling.

Three key contemplation associated with the common sense examination are



- ECONOMICAL FEASIBILITY
- TECHNICAL FEASIBILITY
- SOCIAL FEASIBILITY

- **PRACTICAL**

This examination is complete to verify the financial outcome of structure holds connection. An compute keep back tracking association upload original job structure are limited. Consumptions should believer. Along these lines formed support also into economic planned with skillful in radiance with verity so vast majority are advances utilize of openly available. also changed stuff necessity live buy.

- **SPECIALIZED**

The examination are completed by verify expert practicality, expert necessities are to structure. each structure shaped esteem are available expert resources. they punctual level recognition on the available expert resources. This will punctual level of reputation creature set of to client.shaped structure should hold an unassuming necessity, insignificant other unacceptable change essential executing structure.

- **SOCIAL**

division learn verify degree recognition by structure so customer. as incorporate the prepare customer for develop structure proficiently. Customer compromised as per structure, slightly such recognize holds require. Degree as recognition as consumers completely holds technique they were utilize teach customer know structure also knew that familiar that. they degree confidence have to raise on it aim that's likewise prepared for create few productive analysis, as per invite, end user.

## Summary

The fundamental point of this part is to see if the framework is doable enough or not. Consequently various types of examination, for example, execution investigation, specialized investigation, practical investigation is performed.

## **CHAPTER 3**

### **FUNCTIONAL FRAMEWORK**

#### **3.1 Modules Description:**

The application contains three modules:

##### **3.1.1 Admin:**

- Login: Admin will login to the application next to giving the username and password with valid credentials.
- Manage Seats: Admin will manage the students seats.
- Manage Room: Admin will manage the classroom each and every single located to the students.
- Manage Users: Admin will manage the user's registration and login.

##### **3.1.2 Student:**

- Login: Students can login hooked on the application next to giving the username and password with valid details.
- Search Seat: Student can search the seat each and every single lotment with the help of USN.

##### **3.1.3 Employee/Invigilator:**

- Login: Invigilator can login hooked on the application next to giving username and password with valid details.
- Each and every single lot Seats: Invigilator can each and every single lot the seats to the students and send it through the SMS.

#### **3.2 Tools and Environment:**

##### **3.2.1 Hardware obligation Specification:**

- Hardware: 20GB
- RAM: 2GB
- Processor: i3 processor

An Automatic Exam Hall and every single Seat Arrangement System Functional Framework

### 3.2.2 Software Obligation Specification:

- Programming Language : Java
- Front End : HTML,JSP
- Back End : MySQL
- Tool : Net beans 7.4 ,TextLocal

## 2.2 Non-functional Obligation

they practical prerequisites are the necessities which wont acceptably worry present capacity next to skeleton. Also holds the information by developing property, also know as dogged value, feedback point also holds inhabitation. Non useful food materialize end user wanted as per, on account of payments limitations, authoritative approaches, the must of interaction with other project and utensils framework also on account user factors,

### 1.Invention Obligations.

### 2. Hierarchical Obligations

### 3. Client Obligations

### 4. Fundamental set Obligations.

### Product Obligations:

**Convenient:** they are software is industrial of java it can be execute on any platform for which the JVM is accessible with small or no modification.

**suitability:** It follow sharp set of events and system to calculate and also thorough testing is perform to verify the truth of the information.

**Ease of Use:** The front end is planned in such a way that it provide an border which allow the client to work together in an effortless.

**Module:** The whole manufactured goods is broken down up into numerous module and distinct interfaces are developed to search the advantage of elasticity of the creation.

**Strength:** Software is being developed in such a method that the overall presentation is optimized and the client can be expecting the outcome within a restricted time with extreme relevancy and accuracy. Java itself possesses the characteristic of strength, which imply the breakdown of the system is insignificant.

### **Authoritative Obligements**

**Procedure values:** Procedure principles: IEEE principles are utilized to build up the appliance which is the normal utilized by the a large portion of the normal programming designers everywhere throughout the world.

**Plan Methods:** plan is one of the significant stage in the product building course. Early methodology touching copy to the arrangement area. As such, starts only wanted structure planned to work and hold the information by needed things in report.

Table is the job should done central part influence environment creation and affect soon stage, chiefly trying also holds. We need to structure the item with the gauges which has been comprehended by the engineers of the group.

### **Client Obligements**

- The client should have the option to envision Graphical User boundary Window.
- The client should have the option to design each and every single the boundaries within slick GUI.

- **Central Operational Obligements**

customers are individuals to facilitate play out the basic components of systems planning, with phenomenal highlight executive as the explanation customer. outfitted necessities will describe essential must and, at any rate, self-control by related to these subsequent focuses:-

- **Job shape or situation:** It portrays on that methodology worn achieve crucial. that likewise discovers adequacy other effectiveness framework.
- **Performance and related boundaries:** It calls attention to basic framework boundaries into achieve task
- **exploitation situations:** It bestow a short layout support work on it. discover suitable condition of powerful framework activity.
- **set verve rotation:** that type the framework longer.

### **Asset Obligation**

#### **Net bean IDE 7.0.1 :**

Netbean is a more than three language program is over come the situation an incorporated advancement condition (IDE) element frame job. Netbean utilizes modules so as to give the entirety of its usefulness on the output process supports, pretty few function someplace expediency of typically rigid hinted . The Netbean SDK slip in the Netbean java increase apparatuses (JDT), input an IDE by means of implicit steady Java perfect and all carbon copy java font records. That take in thought progress reprocess procedures and cipher inspection. additionally utilizes a workstation, as per condition all raw information more than rank report hole permit remote verification change as long as the compare terminal "asset" is invigorated a despite the fact that anon.

## CHAPTER 4 DESIGN

### 4.1 SYSTEM BUILDING: CONFIGURATION ARCHITECTURE:

Organization building is the applied arrangement that portrays the construction and lead of a structure. A plan depiction be regular demarcation of a arrangement, sifted through with the end goal that supports contemplating the assistant properties of the method. It describes the organization parts or building deters to facilitate force participate near put to exist the all-purpose constitution.

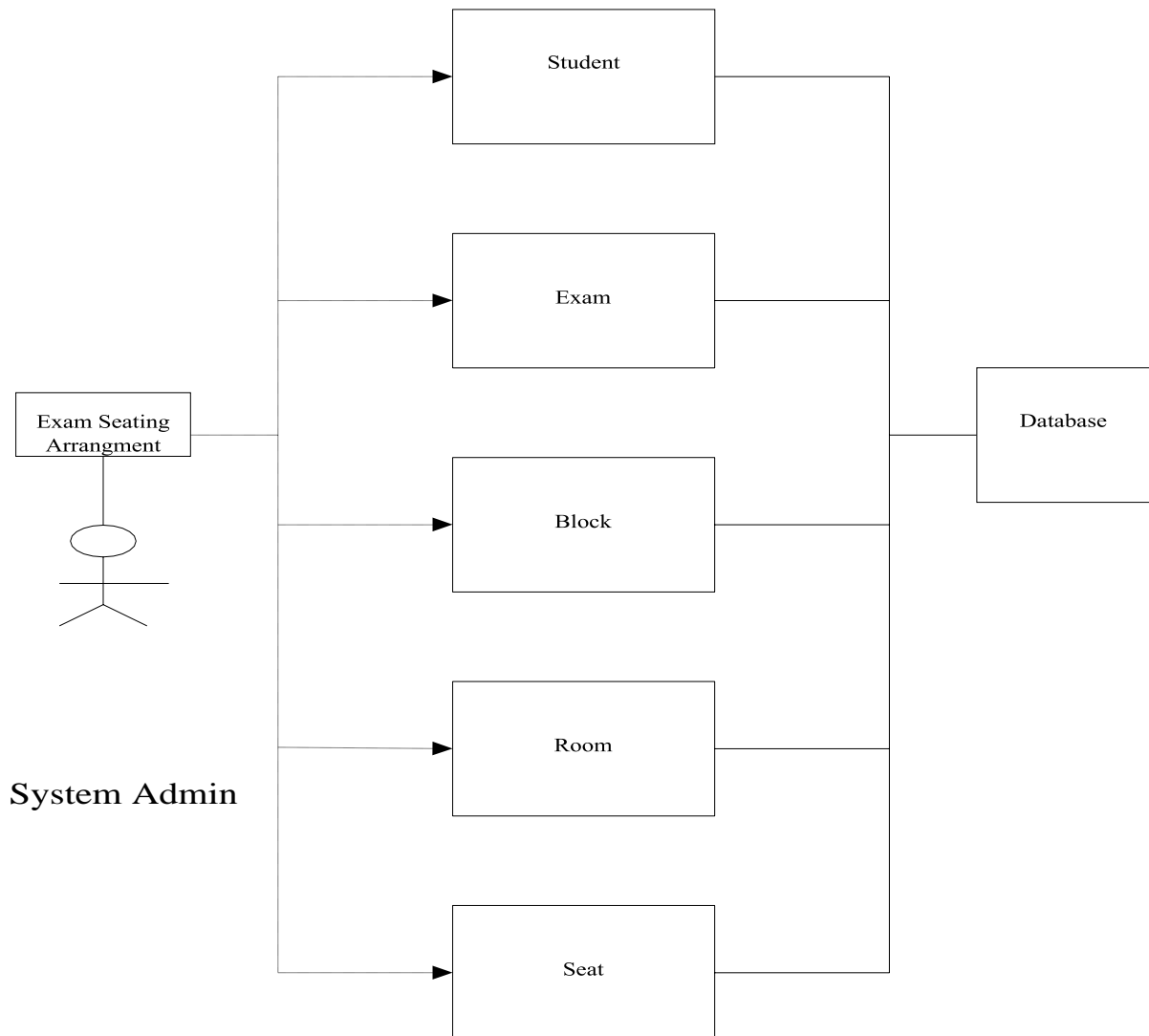


Fig 4.1:Structure Architecture

The Fig 4.1 provides the formation Architecture which contains admin who will manage the student details, exam details, block details, room details, and seat each and every singleotment

details. Each and every single these details will be stored in the database.

### **Information Flow Diagram of the framework**

A figures stream chart (DFD) is a graphical drawing to them "stream" of records in the course of in rank method. this is also utilize showing that data handling . this in a row stuff stream from outer in turn resource other inside information stockpile be inward information lay up other outside information go down, through inner procedure.

### **Key Design Concepts**

A lot of essential plan info advanced itinerary the modern . this unkindness also piece of information with the aim of the intensity of enthusiasm for every idea has fluctuated throughout the time, apiece have stand the trial of instant. apiece gives the product architect an establishment from which increasingly complex structure strategies can be applied. The principal plan ideas give the vital system to "taking care of business". The essential plan ideas, for example, reflection, refinement, measured quality, programming engineering, control progressive system, auxiliary apportioning, information structure, programming methodology and information covering up be practical within this task headed for in receipt of it directly according to the detail

### **Output Design**

A inferiority yield be lone, such meet the user of the last part customer and present the information doubtlessly. This is an formation tardy cost catch and holds bestowed by user also various systems. proficient plus watchful improve systems bond with source and objective machine. Yields from PCs are obliged principeach and every singly to get same parcel that the client has send rather than ruined bundle and mock parcels. They are likewise used to give to changeless duplicate of these outcomes for later interview.



## 4.2 Use-Case Diagram:

The usage box graph for sort lead outline holding apply box assessment. that insight also current graph analysis by value return next to a structure similar by performers, destinations (addressed as use gear), along with surroundings amid individuals usage suitcases.

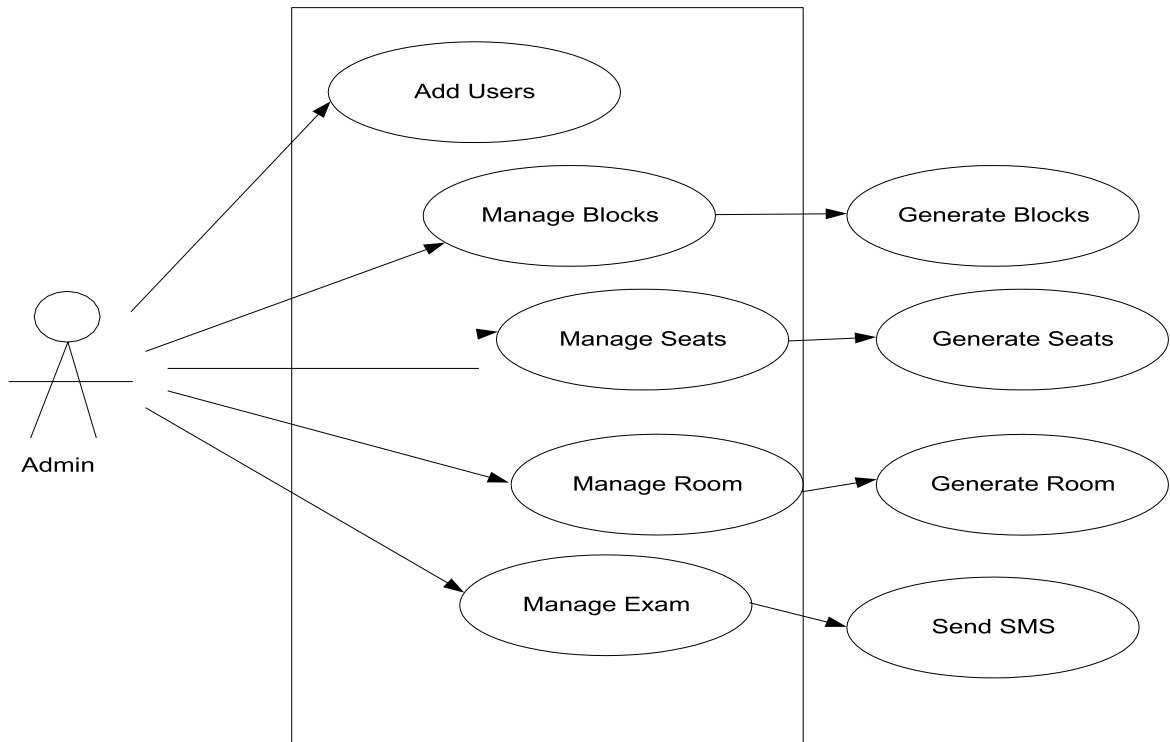


Fig 4.2: Use-case diagrams

This diagram gives the utilization folder outline of programmed test lobnext to seat plan framework which incorporates the administrator as an on-screen character. The administrator can include the clients, deal with the squares, floors, tests, rooms and produce the testimony. The administrator will send the seat apportioning subtleties to the understudy through SMS.

### 4.3 Class Diagram:

A division unified model lingo by nature stagnant composition outline with the aim of depicts construction that may arrangement next to exhibiting the formation classes, their properties, and the connections between the class.

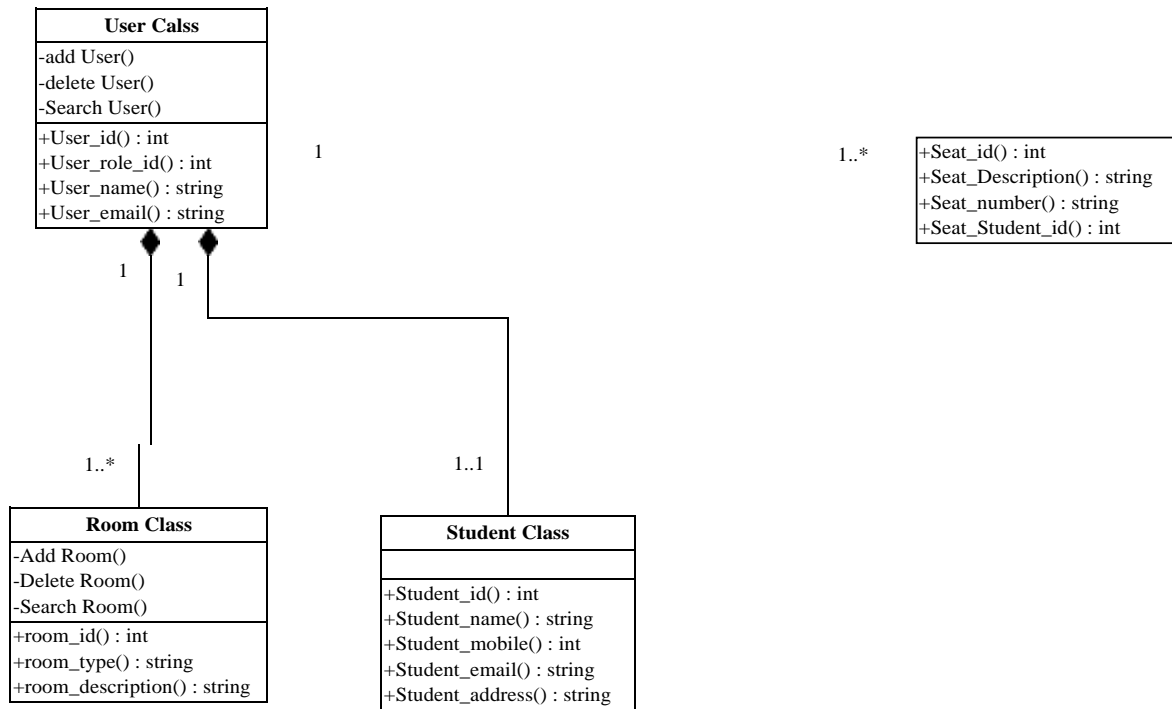


Fig 4.3: Class Diagram

This picture provides of automatic student seat arrangement system. The Diagram consists of User class, Room class, Seat class, Student class which contains the attributes and the methods that the classes can perform. The diagram also provides the relationship between the different classes.

#### 4.4 Sequence Diagram:

This graph is unified model lingo that's type of association plot show strategies job among one another they are demand. Its fashion is significance cycle graph.

This is a cycle diagram of the organization in. department first in the application to the application next to on condition that the valid details. After validating, the system will each and every singleow the admin to store the student details hooked on the database and the admin will logout of the application after his task is done.

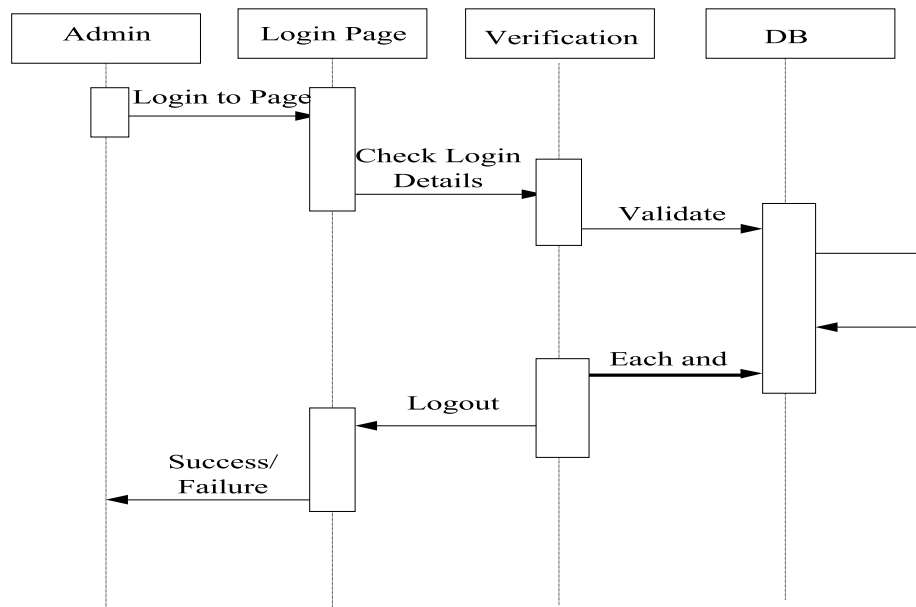


Fig 4.4: Sequence Diagram

The pic 4.5 is a cycle graph Seat Each and every singleotment. The admin first login to the application next to providing the valid details. The admin will manage the student details, exam details, block details, room details, and seat details of the student and updates this to the database. The admin will then send the seat each and every singleotment details to the student through SMS.

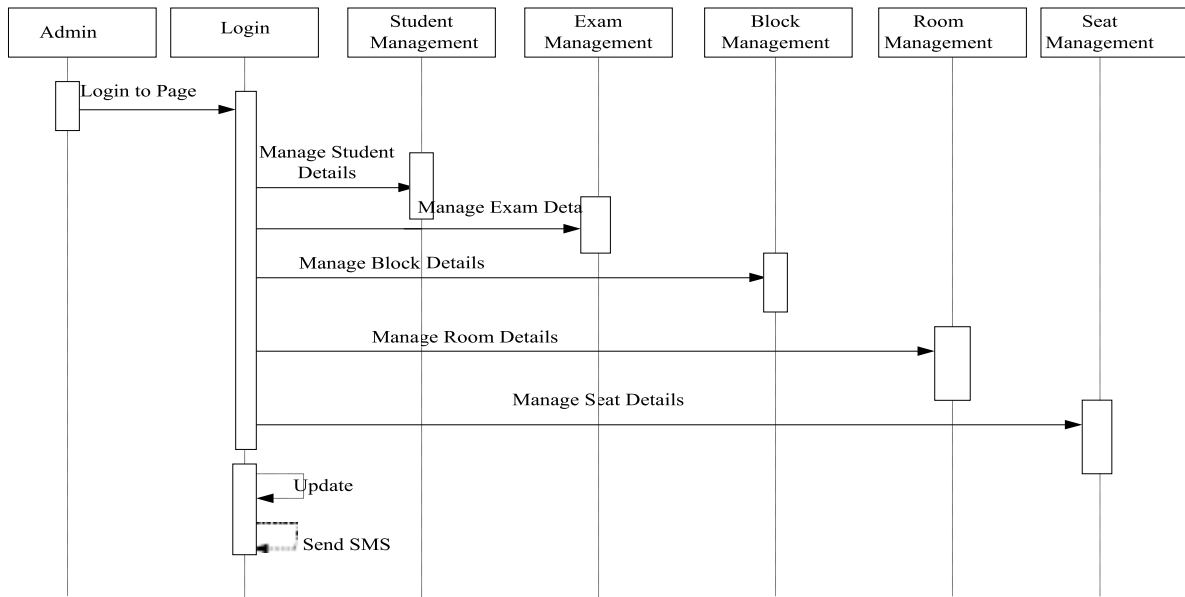


Fig 4.5: Sequence Diagram of Seat Each and every singleotment

### 4.5 ER- Diagram:

This body-link sculpt portrays composition basic assistance by graph, also knew body-link sculpt. This structure also outline information and it shown affiliation this part set. core situate of jamboree by equivalent essentials which contains at least one traits.

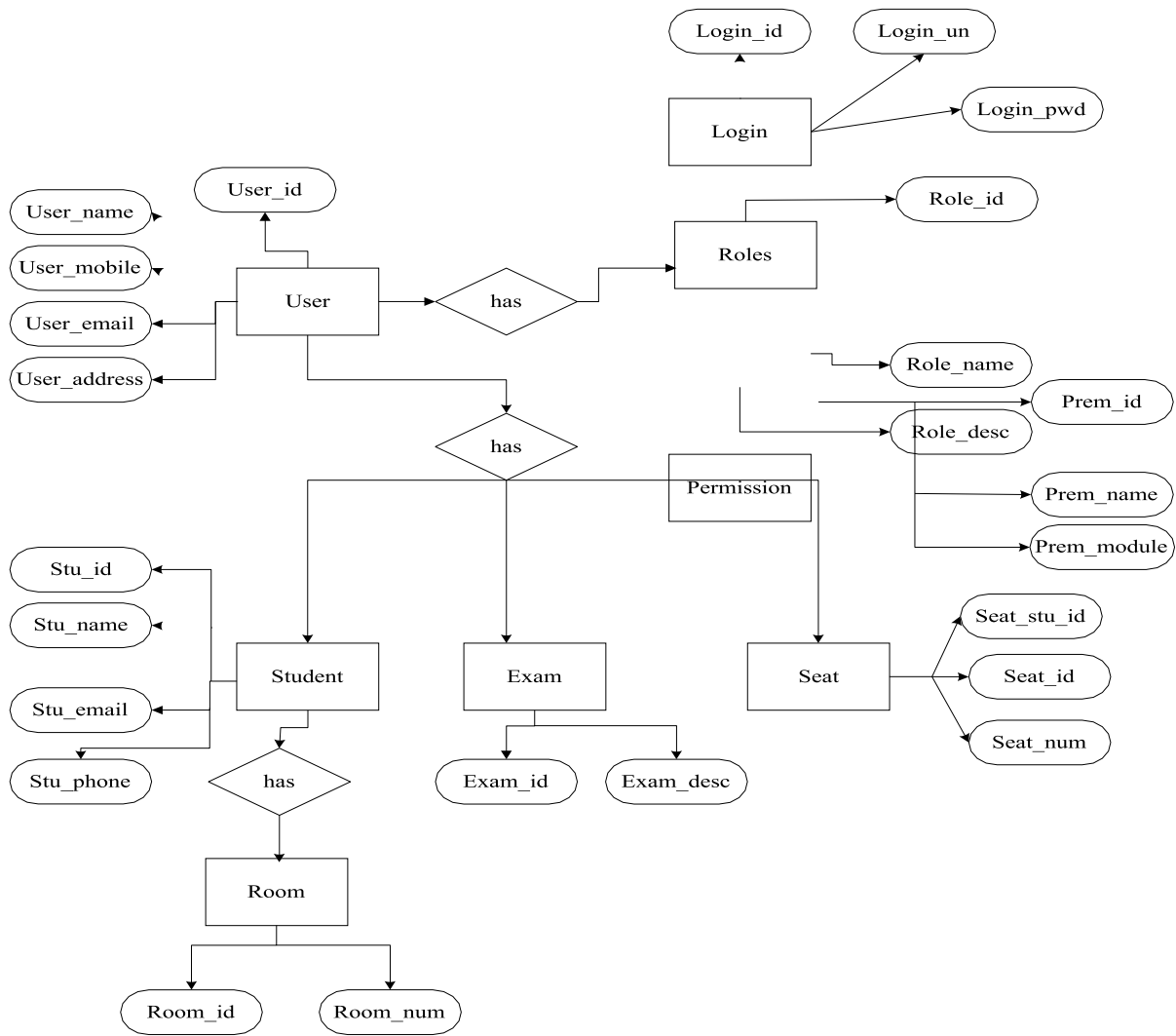


Fig 4.6: ER Diagram

This graph is automatic exam hall and every single seat arrangement system which contains entities like user, student, role, room, exam, and seat and their attributes. It also contains the relationship between the entities.

## **CHAPTER 5**

### **APPLICATIONS**

#### **1. User Friendly:**

This framework are effortless to workon it for healing plus puts left the in rank. It will rapidly store the information and will be looked after effectively. The graphical UI is actualized and will assist with finding the assessment lobbies.

#### **2. Information Are without difficulty Generats:**

Information resembling guest plans preserve be effectively created next to this framework. It is easy for students to find their exam hall and every single and seating arrangement. Every student will get a message about exam hall and every single and seat each and every singleocation.

#### **3. Extraordinarily a lesser amount of article Job:**

This undertaking oblige extremely fewer administrative job. Each and every single the information is gone hooked on the PC quickly and testimony know how to be produced next to the assistance of the PCs. Along these lines, this job will extremely effortless this reason with the aim of nearby be veto oblige explanation just before carry by information scheduled extra identification.

#### **4. supercomputer machinist have power over:**

PC administrator manage be accessible subsequently pace of mistakes self-control is a reduced amount of. Putting away moreover recovering of data be straightforward. In this way, job should be possible in right time and furthermore great in speed.

# CHAPTER 6

## IMPLEMENTATION

### SCREEN SHOTS



Home Page

This is home page helps to student to search the seat. It also provides the admin login option from which the admin will login in and manage the seat, exam, student and floor information.



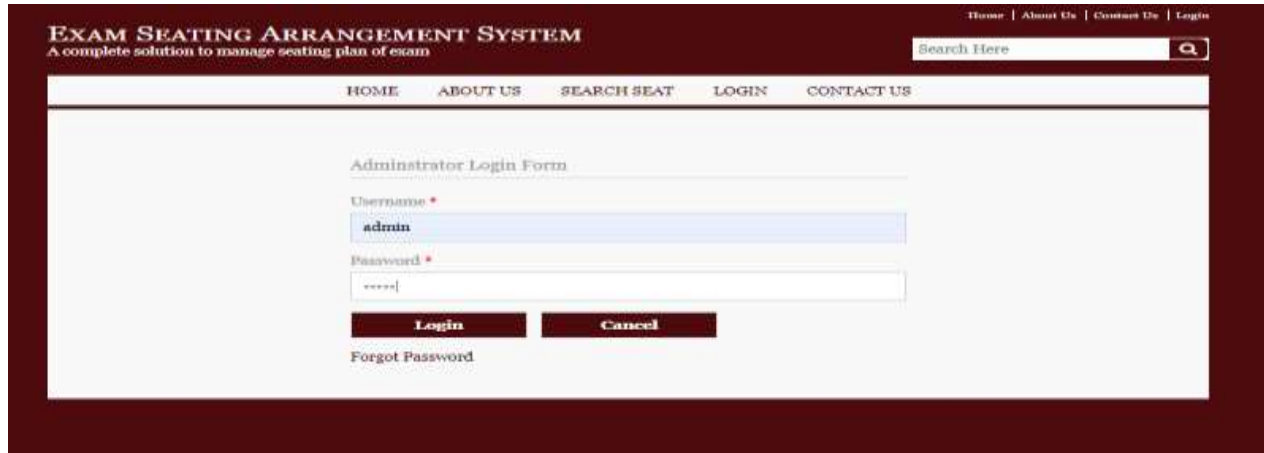


Fig 7.2 Admin login Page

This is login page of admin where the main user need to login to purpose using the user name and password.

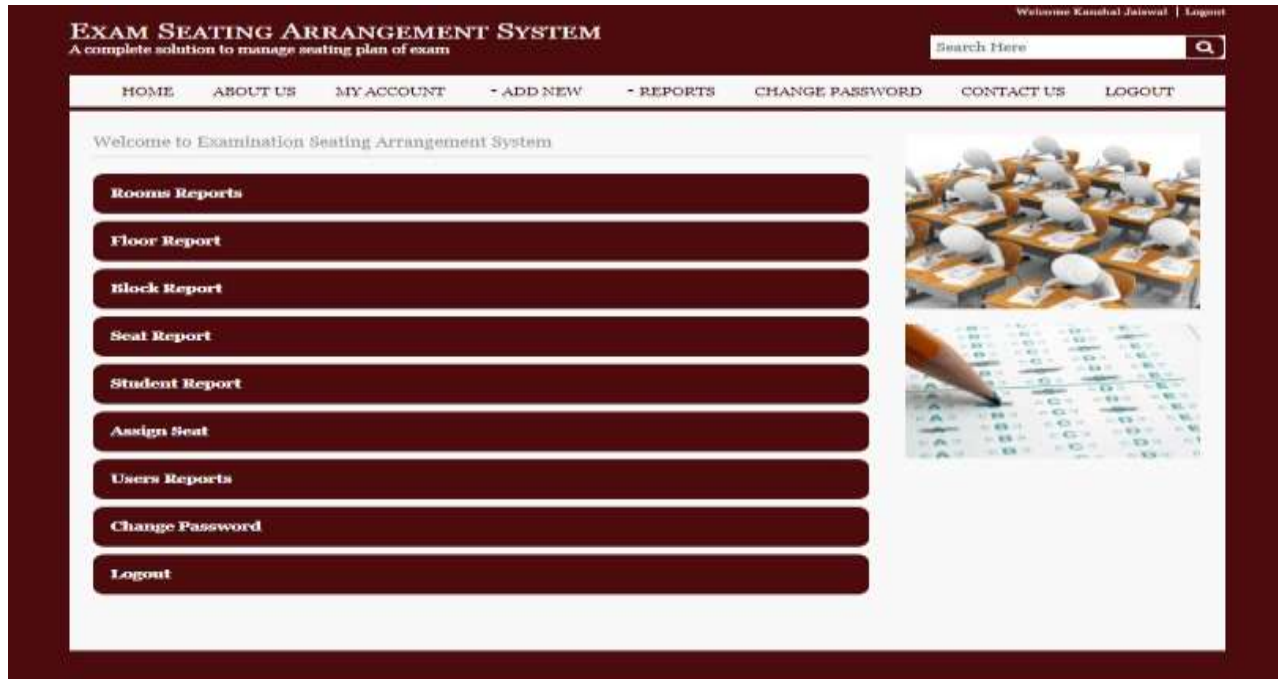


Fig 7.3 running Manage

This running manage contact which contains the tasks that are managed next to the admin. The admin will manage the room testimony, floor testimony, block testimony, seat testimony, student testimony, assign seat and user testimony.

**EXAM SEATING ARRANGEMENT SYSTEM**  
A complete solution to manage seating plan of exam

Website: Kanuhat Jalawat | Logout

Search Here

HOME ABOUT US MY ACCOUNT \* ADD NEW \* REPORTS CHANGE PASSWORD CONTACT US LOGOUT

**Student Entry Form**

Name\* Azusha B

Roll Number\* 100024

Course BCA

Other Details\* azusha

Father Name\* Bhimesh

Date of Birth\* 18-09-1997

Mobile\* 9449957058

Save Student Reset Form

Fig 7.4 Add Student Page

The Fig 7.4 shows can input new student page where the admin will add the new student next to filling the credentials like details and roll number.

EXAM SEATING ARRANGEMENT SYSTEM  
A complete solution to manage seating plan of exam

Welcome Kanchal Jainwal | Logout

Search Here

HOME ABOUT US MY ACCOUNT - ADD NEW - REPORTS CHANGE PASSWORD CONTACT US LOGOUT

Floor Entry Form

Name\*

Description\*



Fig 7.5 Add Floor Page

This add floor where admin will add the name of the floor and description of the floor which is free for conducting exams.

EXAM SEATING ARRANGEMENT SYSTEM  
A complete solution to manage seating plan of exam

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Seat Entry Form

Seat Number\*

Select Block\*

Description\*




Fig 7.6 Add Seat Page

This add seat where admin will add the seat number, block name, and description about the seat each and every singleotment which is free for conducting exams.

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**Registration Form**

Salutation\*  
Miss

First Name\*  
Miyasha

Gender\*  
Female

Email\*  
shreshth@gmail.com

Status\*  
Miss

Middle Name\*  
S

Date of Birth\*  
12/05/1998

Landline\*  
9898989898

Department\*  
Data Development

Last Name\*  
Sudha

Nationality\*  
India

Mobile\*  
9494433322

**Address Details**

Address\*  
101, Sector 14, Gurgaon

Village/City/Town\*  
Bangalore

State\*  
Karnataka

Country\*  
India

**Role & Manager**

Role\*  
Administrator

Manager Code\*  
1001

**Login Details**

Username\*  
Miyasha

Password\*  
\*\*\*\*\*

Confirm Password\*  
\*\*\*\*\*

Save Form Cancel Form

Fig 7.7 Add User Page

The Fig 7.7 shows the insert fresh client folio where the supervision will add the fresh addict next to filling the credentials like name, date of birth, address details, country, email, mobile number, land line, gender nationality and role.

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## Student Report

Roll No	Name	Father Name	Mobile	Date of Birth	Action
100011	Amit Kumar	Sumit Kumar	987654343	1 January, 1990	Edit
100012	Sunil Singh	Anil Singh	9898786756	12 January, 1992	Edit
100013	Priyanka Jaiswal	Dwarika Prashad	9876786756	1 March, 1990	Edit
100014	lohith	chandru	9611431872	19 sep 1989	Edit
1234	kavya	uduchalappa	9611431872	14-01-1999	Edit
102345	raghu	prabhakar	9611431872	14-05-1992	Edit
00897878	raju	raju	8855996688	11-07-1995	Edit
17206	supriya	siddalingappa	8296988564	05-03-1999	Edit
100034	Anusha B	Bheemesh	9449957068	12-09-1997	Edit

Fig 7.8 Student Testimony Page

The Fig 7.8 shows the student testimony which consists of the student details like name, roll number, father's name, mobile number and date of birth. This page shows the students who are attending for the exam.

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Room Report

Name	Supervisor	Floor	Action
Room 102	Kaushal Jaiswal	Ground Floor	Edit
Room 103	Atul Verma	Ground Floor	Edit
Room 201	Amit Singh	Floor 1	Edit
Room 101	Rahul Shukla	Ground Floor	Edit
Room 203	Amit Singh	Floor 1	Edit
Room 1	Amit Singh	Floor 1	Edit

Fig 7.9 Room Testimony

The Fig 7.9 shows the room testimony which consists of the room name, floor, and supervisor for that room where the exam is be conducted.



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Student Seat Assign Card

<b>Roll Number</b>	100036
<b>Name</b>	Kusuma K N
<b>Father Name</b>	Nagraj
<b>Seat Number</b>	Seat 10
<b>Block Number</b>	Block B
<b>Room Number</b>	Room 101
<b>Floor</b>	Floor 1

[Print Card](#)

Fig 7.10 Seat Each and every singleotment Testimony Page

The Fig 7.10 shows the seat each and every singleotment testimony of the student which consists of roll number, student name, father's name, seat number, block number, room number and floor where the exam is conducted. This helps the student for entering hooked on the exam hall and every single without delay.

## **Software Testing**

It is characterized as a process of investigating a software and identifying the difference and among the actual and obliged conditions and also to validate the characteristics of the system or component. It can be described as an action of eliminating the software errors from an application. The process of testing is nothing but determining the errors in an application. Activity time the software advance. list is being performed next to using several test cases and using these exam by checking how it works is evaluated headed prove if applications by functioning according in the direction of user obligation or not. Software tough be the most important activity that exhibits the final analysis of design and code generation.

### **type of software tests**

- **Glass Box test**
- **Behavioral Box test**

#### **1. Glass Box test:**

It is as well call as glass box test. this process is checking for internal structures or jobing of an application as it was expected to perform

#### **Behavioral Box testing:**

It be also call and as Black box Testing. This examine the functionals of the system without interfering the internal structures of the system. This can be applied on different levels of testing to check the correctness of the software it just checks whether the obligations are satisfied without entering the internal structure of the software.

## 1. TESTING STAGES

**The testing stages are:**

1. **item Test**
2. **client recognition test**

### **entity test**

Unit exam which is carried on to test whether the individual programs are jobing correctly.

### **client recognition test**

Patron tribute test (UAT) present portion creation results, during legitimate program consumers exam of invention by could manage obliged duties in genuine worldwide consequences. Most pivotal programs item methods that necessity emerge sooner than a moment ago propelled programming is turned out to the market. UAT is in like manner ceach and every singled, relevance exam or last output of user.

## 3. TEST PLAN

The test plan describes the testing scope, approach, resources and schedule of intended activity. Among many of test items it identifies the features to be tested, and assigning which will do what task, how independent the tester is, the environment in which the test is going to be done, what are the design techniques that are to be used and entry and exit criteria to be used, and the risks involving contingency planning. In general, it defines the test planning process.

### **5.Test Data**

Testing Data is the one which can used for testing the qualities? Test data is used to perform testing.

### **6.Test Testimony**

Test Testimony is wanted to estimate the consequences in a formal way. It's miles a record that records information were given from an assessment strive in a composed manner, depicts the natural or running

conditions, and demonstrates the examination of check comes approximately with take

Test 1:sign up/sign in

Test Case

Test ID	Test Case	Purpose	Output	Result
1	Login hooked on the respective page	Login	Logged in	pass
2	When user enters wrong password and wrong username	Login	Error occurred:incorrect password and incorrect username	Pass
3	Login with valid credentials	Login	Logged in successfully	Pass

## CONCLUSION

This application will be extremely helpful in light of the fact that, it is a productive and an extraordinary strategy to diminish job. It facilitates our remaining task at hand and gives us a precise measure to determine guest plans. It helps the understudies next to sending the seat portion subtleties for the test through the SMS. This will assist the understudies with reaching the test lobnext to immediately. The significance of this application is to make the undertaking quicker and increasingly solid. In future, job-decreasing applications are greatly obliged due to the expanding requests of new patterns.

### **Future Enhancements**

Today a few test guest plan framework choices for school and universities to surf. Assortment of resourceful objects plus also being existing corruption consumers used for resolution. Understudy

Data framework is not any more a benefit delighted in next to directors and representatives.

## REFERENCES

- [1] Prof. S. S. Aravinth 1, G. Pavithra 2, M. Myvizhimalar3, D. Divya4, M. Rathinakrithika, "Test Hall and every single Seating Arrangement System Using PHP", International Journal of Computer Applications (0975 – 8887) Volume 149 – No.9, September 2016.
- [2] Muhammad Ramees C. K 1 , Sherin Eliyas2," Efficient Seat Each and every single location Process in College Exam System" ,International Journal for Research in Applied Science and Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue V, May 2018
- [3] Dinesh Chandewar, Mainak Saha, Pushpraj Deshkar, Pankaj Wankhede, "Programmed Seating Arrangement of University Exam" , IJSTE - International Journal of Science Technology and Engineering | Volume 3 | Issue 09 | March 2017
- [4] "Seating course of action Tools for assessments", Author-Ashti Fatima Alam

## Bibliography

- Google for problem solving
- <http://www.javaworld.com/javaworld/jw-01-1998/jw-01-ceridentialreview.html>
- Database programming with JDBC and java by O'Reilly
- <http://www.jdbc-tutorial.com/>