**Ex: No: CONFERENCE MANAGEMENT SYSTEM**

**Date:**

**AIM:**

To Design, Implement and Test the Conference Management Systemdescribed in the given problem statement .

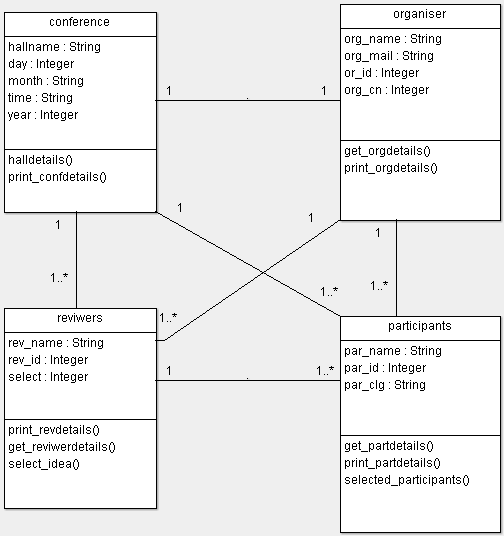
**PROBLEM STATEMENT:**

* The creation of registration forms
* Our conference managememnt system handles
* Collection of online payments by credit card
* Invoicing
* Bookkeeping
* Email communication
* Organizers can configure the submission form to include any number of items.
* Extended abstracts and full papers can be uploaded in any specific format.
* Organizers can configure upto nine numerical criteria for the evaluation of submissions by the reviewers.
* Textual appraisals and feedback for the submitters can also be collected. Reviewers can perform the reviews online from their account.
* Organizers can track their progress and send them reminders by email. Abstract selection can be performed automatically/manually.
* The automatic option selects submissions on the value of the marks given by the reviewers and can be followed by a manual selection.
* Accepted abstracts can be assigned to sessions and ordered.
* Participants can be selected independently of the abstract selection process. Alternatively their selection can be synchronized with the selection of abstracts.
* This system sends automatic emails ,bulk emails and email alerts to organizers.
* Filters are supplied to allow the targeting of groups of users when sending bulk emails.
* Prefilled templates are supplied for the bulk and automatic mails.
* The registrations, payments, submissions, reviews and results of the selection process can be exported to CSV or excel for further processing.
* Submitted abstracts can be styled and exported to HTML or PDF. Uploadedfiles ,as well as PDF filesgenerated from the submissions can be downloaded from the FTP server.

**USECASE DIAGRAM:**

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**CLASS DIAGRAM:**



**SEQUENCE DIAGRAM:**



**ACTIVITY DIAGRAM:**

****

**STATE CHART DIAGRAM:**



**COMPONENT DIAGRAM:**



**DEPLOYMENT DIAGRAM:**



**IMPLEMENTATION & TESTING**

**conference.java**

import conferencemanagementsystem.organiser;

import conferencemanagementsystem.participants;

import conferencemanagementsystem.reviwers;

import java.util.Scanner;

public class conference

{

String hallname;

int day;

String time;

String month;

int year;

int no;

public static void main(String args[])

{ int n;

conference c=new conference();

c.halldetails();

organiser o=new organiser();

o.getorg\_details();

System.out.println("Enter the number of participants");

Scanner sss=new Scanner(System.in);

n=sss.nextInt();

System.out.println("Ask for number number of participants need to select");

int no=sss.nextInt();

participants p=new participants();

p.get\_partdetails(n);

reviwers r=new reviwers();

r.get\_reviwerdetails();

int co;

do{

System.out.println("Enter your choice");

System.out.println("1.Organiser");

System.out.println("2.Reviwer");

System.out.println("3.Participants");

System.out.println("4.Finalist");

System.out.println("5.Press 5 to exit");

co=sss.nextInt();

if(co==1)

{ c.print\_confdetails();

o.printorg\_details();

r.print\_revdetails();

p.print\_partdetails(n);

}

if(co==2)

{ c.print\_confdetails();

r.print\_revdetails();

System.out.println("THE GOOD IDEAS ARE ");

r.select\_idea(n,p,no);

}

if(co==3)

{

c.print\_confdetails();

p.print\_partdetails(n);

}

if(co==4)

{

r.select\_idea(n,p,no);

}

}while(co!=5);

}

public void halldetails()

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter the HallVenue");

hallname=sc.nextLine();

System.out.println("Enter the day");

day=sc.nextInt();

System.out.println("Enter the Month");

month=sc.next();

System.out.println("Enter the year");

year=sc.nextInt();

System.out.println("Enter the timing in the form of starttime-endtime");

time=sc.next();

}

public void print\_confdetails()

{

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("THE CONFERENCE GOING TO HELD AT");

System.out.println(hallname);

System.out.println(day+"th"+month+year);

System.out.println(time);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

}

**organiser.java**

package conferencemanagementsystem;

import java.util.Scanner;

public class organiser {

String org\_name;

int org\_id;

String org\_mail;

long org\_cn;

public void getorg\_details() {

System.out.println("Enter the organiser Name ");

Scanner ss=new Scanner(System.in);

org\_name=ss.next();

System.out.println("Enter the organiser ID");

org\_id=ss.nextInt();

System.out.println("Enter the organiser Contact number");

org\_cn=ss.nextLong();

System.out.println("Enter the organiser mail ID");

org\_mail=ss.next();

}

public void printorg\_details()

{

System.out.println("THE ORGANISER DETAIL IS");

System.out.println(org\_name);

System.out.println("ID:"+org\_id);

System.out.println("CONTACT NUMBER:"+org\_cn);

System.out.println("EMAIL:"+org\_mail);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

}

**reviwers.java**

package conferencemanagementsystem;

import java.util.Random;

import java.util.Scanner;

public class reviwers {

String rev\_name;

int rev\_id;

int select[]=new int[100];

public void get\_reviwerdetails() {

System.out.println("Enter the reviwer name");

Scanner ssss=new Scanner(System.in);

rev\_name=ssss.nextLine();

System.out.println("Enter the reviwer id");

rev\_id=ssss.nextInt();

}

public void print\_revdetails(){

System.out.println("THE REVIWER DETAILS ARE");

System.out.println(rev\_name);

System.out.println("ID:"+rev\_id);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

public void select\_idea(int n,participantsp,int no){

int ran,flag;

Scanner sssss=new Scanner(System.in);

Random r=new Random();

for( inti=0;i<no;i++)

{

select[i]=r.nextInt(n);

}

p.selected\_participants( select, no);

}

}

**participants.java**

package conferencemanagementsystem;

import java.util.Scanner;

public class participants {

int n;

String par\_name[]=new String[100];

int par\_id[]=new int[100];

String par\_clg[]=new String[100];

String idea[]=new String[100];

public void get\_partdetails(int n) {

Scanner scc=new Scanner(System.in);

for(int i=0;i<n;i++)

{

System.out.println("Enter the participant name");

par\_name[i]=scc.next();

System.out.println("Enter the id");

par\_id[i]=scc.nextInt();

System.out.println("Enter the college name");

par\_clg[i]=scc.next();

System.out.println("Submit Your Abstract");

idea[i]=scc.next();

}

}

public void print\_partdetails(int n){

System.out.println("THE PARTICIPANTS DETAILS ARE");

int k=1;

for(int i=0;i<n;i++){

System.out.println(k);

System.out.println(par\_name[i]);

System.out.println("ID:"+par\_id[i]);

System.out.println("COLLEGE NEME:"+par\_clg[i]);

System.out.println("IDEA:"+idea[i]);

System.out.println(" ");

k++;

}}

public void selected\_participants(int select[],int no){

System.out.println("THE SELECTED PARTICIPANTS ARE:");

int m;

for(int i=0;i<no;i++)

{

int k;

k=select[i];

System.out.println("\n");

System.out.println(i+1);

System.out.println(par\_name[k]);

System.out.println("ID:"+par\_id[k]);

}

System.out.println("THE SELECTED PARTICIPANTS CAN PROCEED PAYMENT PROCESSING...");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}}

**INPUT:**

Enter the HallVenue

NEHRU CONFERENCE HALL

Enter the day

12

Enter the Month

DECEMBER

Enter the year

2019

Enter the timing in the form of starttime-endtime

10A-12PM

Enter the organiser Name

KUMARAN

Enter the organiser ID

2017893

Enter the organiser Contact number

9004567893

Enter the organiser mail ID

kumaranappucpt@gmail.com

Enter the number of participants

3

Ask for number number of participants need to select

2

Enter the participant name

NANDHAKUMAR

Enter the id

2017456

Enter the college name

PANIMALAR\_ENGINEERING\_COLLEGE

Submit Your Abstract

SOLAR\_WATER\_HEATER

Enter the participant name

PRAVEEN

Enter the id

2017453

Enter the college name

SAIRAM\_ENGINEERING\_COLLEGE

Submit Your Abstract

WATER\_DETECTOR

Enter the participant name

SALMON\_KHAN

Enter the id

2017894

Enter the college name

PANIMALAR\_ENGINEERING\_COLLEGE

Submit Your Abstract

SMOKE\_DETECTOR

Enter the reviwer name

PARANDHAMAN

Enter the reviwer id

2013458

**OUTPUT:**

Enter your choice

1.Organiser

2.Reviwer

3.Participants

4.Finalist

5.Press 5 to exit

1

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE CONFERENCE GOING TO HELD AT

NEHRU CONFERENCE HALL

12thDECEMBER2019

10A-12PM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE ORGANISER DETAIL IS

KUMARAN

ID:2017893

CONTACT NUMBER:9004567893

EMAIL:kumaranappucpt@gmail.com

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE REVIWER DETAILS ARE

PARANDHAMAN

ID:2013458

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE PARTICIPANTS DETAILS ARE

1

NANDHAKUMAR

ID:2017456

COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE

IDEA:SOLAR\_WATER\_HEATER

2

PRAVEEN

ID:2017453

COLLEGE NEME:SAIRAM\_ENGINEERING\_COLLEGE

IDEA:WATER\_DETECTOR

3

SALMON\_KHAN

ID:2017894

COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE

IDEA:SMOKE\_DETECTOR

Enter your choice

1.Organiser

2.Reviwer

3.Participants

4.Finalist

5.Press 5 to exit

2

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE CONFERENCE GOING TO HELD AT

NEHRU CONFERENCE HALL

12thDECEMBER2019

10A-12PM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE REVIWER DETAILS ARE

PARANDHAMAN

ID:2013458

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE GOOD IDEAS ARE

THE SELECTED PARTICIPANTS ARE:

1

SALMON\_KHAN

ID:2017894

2

SALMON\_KHAN

ID:2017894

THE SELECTED PARTICIPANTS CAN PROCEED PAYMENT PROCESSING...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter your choice

1.Organiser

2.Reviwer

3.Participants

4.Finalist

5.Press 5 to exit

3

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE CONFERENCE GOING TO HELD AT

NEHRU CONFERENCE HALL

12thDECEMBER2019

10A-12PM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THE PARTICIPANTS DETAILS ARE

1

NANDHAKUMAR

ID:2017456

COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE

IDEA:SOLAR\_WATER\_HEATER

2

PRAVEEN

ID:2017453

COLLEGE NEME:SAIRAM\_ENGINEERING\_COLLEGE

IDEA:WATER\_DETECTOR

3

SALMON\_KHAN

ID:2017894

COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE

IDEA:SMOKE\_DETECTOR

Enter your choice

1.Organiser

2.Reviwer

3.Participants

4.Finalist

5.Press 5 to exit

4

THE SELECTED PARTICIPANTS ARE:

1

PRAVEEN

ID:2017453

2

PRAVEEN

ID:2017453

THE SELECTED PARTICIPANTS CAN PROCEED PAYMENT PROCESSING...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter your choice

1.Organiser

2.Reviwer

3.Participants

4.Finalist

5.Press 5 to continue

5

**TESTING :**

**TEST REPORT 1**

**Product :** Conference Management System

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case / Action To Perform** | **Expected Result** | **Actual Result** | **Pass/Fail** |
|  | After entering organizer contact number | Display”Enter the organizer mail Id” | Enter the organizer mail id | pass |
|  | If you select organiser login then  Print organizer login details | Display “organizer details login” | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE CONFERENCE GOING TO HELD AT  NEHRU CONFERENCE HALL  12thDECEMBER2019  10A-12PM  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE ORGANISER DETAIL IS  KUMARAN  ID:2017893  CONTACT NUMBER:9004567893  EMAIL:kumaranappucpt@gmail.com  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE REVIWER DETAILS ARE  PARANDHAMAN  ID:2013458  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE PARTICIPANTS DETAILS ARE  1  NANDHAKUMAR  ID:2017456  COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE  IDEA:SOLAR\_WATER\_HEATER  2  PRAVEEN  ID:2017453  COLLEGE NEME:SAIRAM\_ENGINEERING\_COLLEGE  IDEA:WATER\_DETECTOR  3  SALMON\_KHAN  ID:2017894  COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE  IDEA:SMOKE\_DETECTOR | pass |

**Use Case :** Showing Organizer Login

**TEST REPORT 2**

**Product :** Conference Management System

**Use Case :** Showing reviwer login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case / Action To Perform** | **Expected Result** | **Actual Result** | **Pass/Fail** |
|  | After entering the reviwer name | Display”Enterreviwer ID” | Enter reviwer ID | pass |
|  | If you select choice 2 reviwer then show the reviwer login | Display” reviwer login details” | THE CONFERENCE GOING TO HELD AT  NEHRU CONFERENCE HALL  12thDECEMBER2019  10A-12PM  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE REVIWER DETAILS ARE  PARANDHAMAN  ID:2013458  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE GOOD IDEAS ARE  THE SELECTED PARTICIPANTS ARE:  1  SALMON\_KHAN  ID:2017894  2  SALMON\_KHAN  ID:2017894  THE SELECTED PARTICIPANTS CAN PROCEED PAYMENT PROCESSING...  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | pass |

**TEST REPORT 3**

**Product :** Conference Management System

**Use Case :** participants login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case / Action To Perform** | **Expected Result** | **Actual Result** | **Pass/Fail** |
|  | After entering participants name ask participants ID | Display”Enter the participants ID” | Enter the participants ID | Pass |
|  | If you choice is 3 participants then show participants login details | Display selected participants details | THE CONFERENCE GOING TO HELD AT  NEHRU CONFERENCE HALL  12thDECEMBER2019  10A-12PM  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  THE PARTICIPANTS DETAILS ARE  1  NANDHAKUMAR  ID:2017456  COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE  IDEA:SOLAR\_WATER\_HEATER  2  PRAVEEN  ID:2017453  COLLEGE NEME:SAIRAM\_ENGINEERING\_COLLEGE  IDEA:WATER\_DETECTOR  3  SALMON\_KHAN  ID:2017894  COLLEGE NEME:PANIMALAR\_ENGINEERING\_COLLEGE  IDEA:SMOKE\_DETECTOR | Pass |
|  | If your choice is 4 then print the selected participants details | Display “selected participant details” | THE SELECTED PARTICIPANTS ARE:  1  PRAVEEN  ID:2017453  2  PRAVEEN  ID:2017453  THE SELECTED PARTICIPANTS CAN PROCEED PAYMENT PROCESSING...  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*COMPLETED\*\*\* | Pass |