


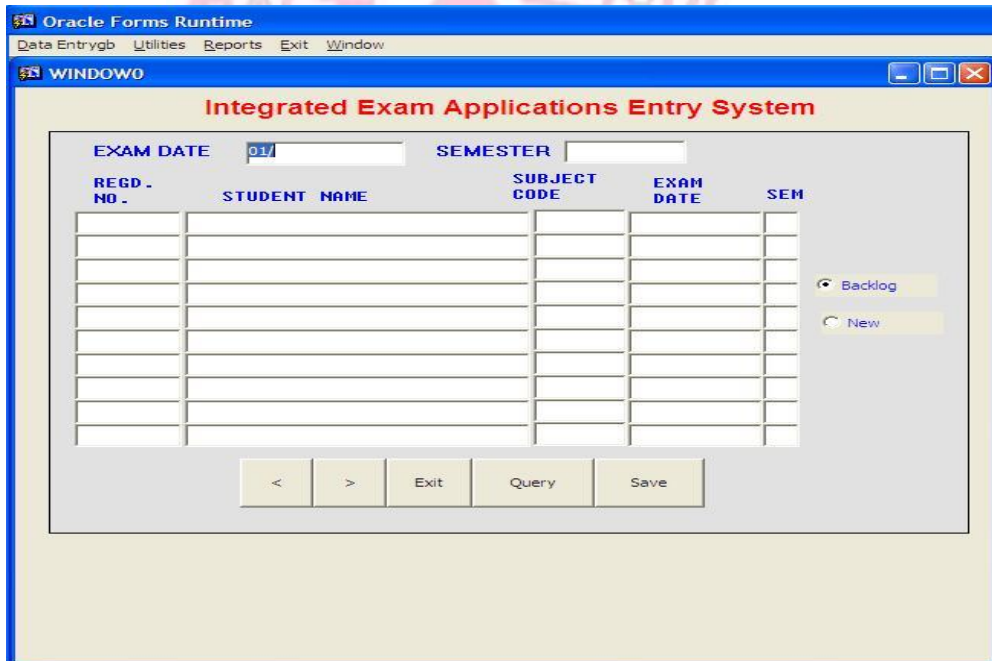


GOVERNMENT COLLEGE (A) RAJAHMUNDRY
EXAMINATION CELL

MANUAL ON EXAMINATION AUTOMATION SYSTEM

Application Entry

The examination process starts with examination notification, which is announced by examination section on behalf of the Principal. Applications are distributed to students through class proctors for eligible candidates who secure 65 percent and above attendance. We maintain different colour applications for different streams i.e. Red  for B.Sc., Green  for B.A., and Yellow  for B.com. After certain time period, the applications are received through the proctors which is filled by the students and self signature of the student with photo attached and attested by the proctor. Then, we assign codes to the subjects with marker on the application that are associated with the programme or application, and then we enter the applications in college examination software.



The screenshot displays the Oracle Forms Runtime interface for the 'Integrated Exam Applications Entry System'. At the top, there are menu options: Data Entry, Utilities, Reports, Exit, and Window. Below the menu bar, the title 'WINDOW' is visible. The main form area contains the following elements:

- EXAM DATE:
- SEMESTER:
- Table with columns: REGD. NO., STUDENT NAME, SUBJECT CODE, EXAM DATE, SEM.
- Buttons: Backlog (selected), New.
- Navigation buttons: <, >, Exit, Query, Save.

After the application entry process is over we check for duplications. Then, we enter the time table of examinations with dates and sessions in the timetable entry module and also we enter the invigilators list in invigilators module as well as available rooms

list in the rooms plan module. After that, we generate D-forms report for subject wise strength of students, and also generate year wise and subject wise students strength report.

Hall Ticket Generation & Distribution:

After completion of entry process, we generate student hall ticket report according to the timetable with dates and subjects. Then, we scrutinize these hall tickets with students application forms to check whether all subjects are entered correctly or not. After scrutiny, we take print out of the hall tickets group wise and distribute them to students through class proctors.

halltk: Previewer

File View Help

ISSUE DATE: 23-NOV-17 GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
SEMESTER END EXAMINATIONS OCT-2017

Name of the Candidate : VEMULA AMAR Regd No: 2170151
Class & Group: B.Sc B.Sc.MPC (EM)

Papers Appearing

SEM	01	02	03	07	1	2	3
1	ENGLISH 05/11/17AM	SANSKRIT 08/11/17AM	ENTRE.SHIP 10/11/18AM	CSS-2 12/11/17AM	MATHS 14/11/17AM	PHYSICS 16/11/17AM	CHEMISTRY 18/11/17AM

Signature of the Candidate:

Bokel
Controller of Examinations

ROOM PLAN & OMR Sheets Generation

Room plans and invigilators schedule and OMR sheets generation is done by using our examination application. Here, we are using bubble OMR sheets instead of Barcode system. In this bubble OMR system, we can read the data by using both barcode as well as bubble codes. Firstly, we generate seating arrangement and invigilator plan by selecting a certain date of exam, which is in examination application.

The screenshot displays the Oracle Forms Runtime interface for room plan and invigilator schedule generation. The window title is 'Oracle Forms Runtime' and it contains a menu bar with 'Data Entry', 'Utilities', 'Reports', 'Exit', and 'Window'. The main area is titled 'WINDOW1' and is divided into several sections:

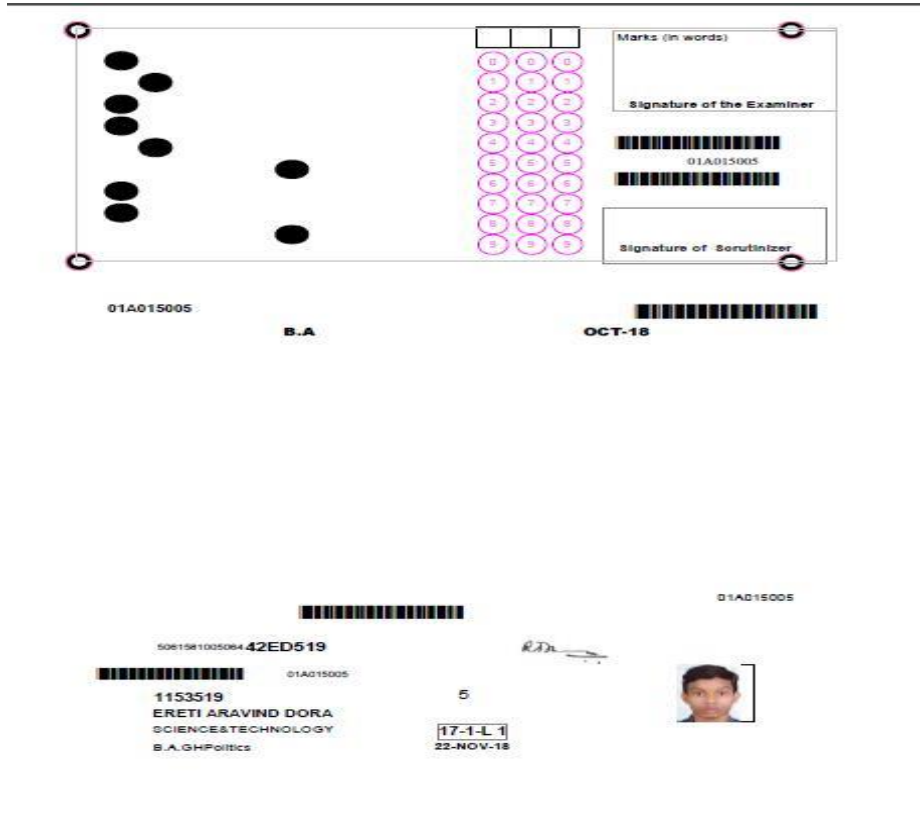
- Rooms Availability:** A table with columns 'Room No', 'No Benches', 'Available', and 'Ord No'. The data is as follows:

Room No	No Benches	Available	Ord No
58	27	Y	24
65	12	Y	29
71	12	Y	30
106	14	Y	31
43	27	Y	22
45	27	Y	23
20	30	Y	12
21	30	Y	13
22	12	Y	14
23	21	Y	15
27	21	Y	16
28	12	Y	17
- Invigilators Data:** A table with columns 'Lecturer Code' and 'Lecturer Name'. The data is as follows:

Lecturer Code	Lecturer Name
LEC076	ANDUGULA RAMA K
LEC056	P GAYATRI
LEC057	D SURESH
LEC058	V SATYANARAYANA
LEC059	KATTA SONIYA
LEC060	BHAVANA NAGA SIF
LEC011	S VIJAYA LAKSHMI
LEC004	M SUBBHA RAO
LEC025	V BHAGYALAKSHMI
LEC079	REGANI VENKATA R
LEC080	K S S PRAVALLIKA
LEC061	PALLI DHARANI PRI
- Controls:** Includes 'Save' and 'Exit' buttons, checkboxes for 'Swap Subjects' and 'Assign Middle Seat', a 'Date of Exam' field with the value '05-NOV-17', and buttons for 'Generate Seating Arrangement', 'Generate Invigilation Plan', and 'Auto Adjust'. There are also input fields for 'Max. Scripts per College' (100) and 'Max Scripts for Award List' (20).

This will take ten to fifteen minutes time to generate room plan and aswell as invigilators schedule and OMR secret codes for that particular date. After generation of all dates we finally check out all examination days generated or not . finally we generate OMR sheets reports to a certain date which is in applications reports module.

Finally, it gives OMR report with Bubble code and Barcode containing unique identification code for all the student information i.e. Student name, subject details and room details appear on the OMR sheet. After that we check whether that barcode is correctly associated or not with the database. Finally, we generate the OMR



and print the OMR sheets by date wise, pin a booklet to each and every OMR sheet and distribute by room wise to the invigilators.

Room Wise Display Generation

Room plans are also generated when we generate OMR Sheets. Here we use Room plan report module for taking following reports

i. Notice board

Here Report generate students room wise information with detailed

GOVT. COLLEGE (AUTONOMOUS), RAJAHMUNDRY
Notice Board - Room Plan

Date Exam	Room	Sub Code	From	Upto	Total	
05-NOV-18	AM	27	ENGLISH	2170122 to	2170165	42
		28	ENGLISH	2170166 to	2170179	14
			ENGLISH	2170201 to	2170213	10
		29	ENGLISH	2170214 to	2170242	24
		43	ENGLISH	2170613 to	2170671	54
		45	ENGLISH	2170672 to	2170673	2
			ENGLISH	2170701 to	2170755	52
		5	ENGLISH	2170243 to	2170278	32
			ENGLISH	2170301 to	2170323	22
		58	ENGLISH	2170756 to	2170765	9
			ENGLISH	2170801 to	2170828	25
			ENGLISH	2170901 to	2170920	20
		65	ENGLISH	2171422 to	2171422	1
			ENGLISH	2171501 to	2171524	23
		7	ENGLISH	2170324 to	2170338	15
			ENGLISH	2170401 to	2170432	25
ENGLISH	2170501 to		2170502	2		
71	ENGLISH	2171525 to	2171538	14		
	ENGLISH	2171601 to	2171610	10		
8	ENGLISH	1173608 to	1173608	1		
	ENGLISH	2170503 to	2170536	30		
	ENGLISH	2170601 to	2170612	12		

ii. Class Display

Here report generates bench wise students seating arrangement in certain class. Like same way it gives all the classes seating arrangement reports room wise .

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY
Room Plan

05-NOV-17 AM

Room No **17**

1163524 1-L 7	1163627 1-R 7	1163701 2-L 7	1163711 2-R 7	1163713 3-L 7	1163714 3-R 7
1163511 1-L 6	1163512 1-R 6	1163513 2-L 6	1163515 2-R 6	1163518 3-L 6	1163522 3-R 6
1163218 1-L 5	1163223 1-R 5	1163224 2-L 5	1163501 2-R 5	1163508 3-L 5	1163509 3-R 5
1163212 1-L 4	1163213 1-R 4	1163214 2-L 4	1163215 2-R 4	1163216 3-L 4	1163217 3-R 4
1163201 1-L 3	1163202 1-R 3	1163205 2-L 3	1163208 2-R 3	1163209 3-L 3	1163210 3-R 3
1163040 1-L 2	1163042 1-R 2	1163046 2-L 2	1163047 2-R 2	1163051 3-L 2	1163057 3-R 2
1153516 1-L 1	1153813 1-R 1	1163030 2-L 1	1163033 2-R 1	1163035 3-L 1	1163036 3-R 1

Row: 1-L	Row: 1-R	Row: 2-L	Row: 2-R	Row: 3-L	Row: 3-R
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Invigilator(s) Position

iii. Student Attendance

Here report generates individual students attendance sheets with photo identity and certain important columns.

Room 17 05-NOV-18 AM Row 1-L

Signature below	Regd No	Booklet No	No.Addis	Total
	1 1153515			
	2 1163040			
	3 1163201			
	4 1163212			
	5 1163218			
	6 1163511			
	7 1163524			

Room 17 05-NOV-18 AM Row 1-R

Signature below	Regd No	Booklet No	No.Addis	Total
	1 1153613			
	2 1163042			
	3 1163202			
	4 1163213			
	5 1163223			
	6 1163512			
	7 1163627			

Room 17 05-NOV-18 AM Row 2-L

Signature below	Regd No	Booklet No	No.Addis	Total
	1 1163030			
	2 1163046			
	3 1163205			
	4 1163214			
	5 1163224			
	6 1163513			
	7 1163701			

Room 17 05-NOV-18 AM Row 2-R

Signature below	Regd No	Booklet No	No.Addis	Total
	1 1163033			
	2 1163047			
	3 1163208			
	4 1163215			
	5 1163501			
	6 1163515			
	7 1163711			

iv. Consolidated attendance report

Here report generates collection of answer booklets

room_plan4: Previewer

File View Help

Page: ?

GOVERNMENT COLLEGE (AUTONOMOUS, RAJAHMUNDRY) ROOM PLAN

Room No **17** Total Strength 42 Date Exam 05-NOV-2018 AM

Invigilation By DEEPIKA DEVI,
Dept:ENGLISH

Please collect scripts in the following order (Across/Down)

B.A Sem: 3	1153516	1153813	1163030	1163033
ENGLISH	1163035	1163036	1163040	1163042
	1163046	1163047	1163051	1163057
	1163201	1163202	1163205	1163208
	1163209	1163210	1163212	1163213
	1163214	1163215	1163216	1163217
	1163218	1163223	1163224	1163501
	1163508	1163509	1163511	1163512
	1163513	1163515	1163518	1163522
	1163524	1163627	1163701	1163711
	1163713	1163714		

Total 42 No.Absents: Absent Nos:

Signature
DEEPIKA DEVI, Dept:ENGLISH

v. Invigilator Sheet

Here Report generates room wise invigilators particulars.

Government Colleges (Autonomous), Rajahmundry				
Invigilation/Remuneration Report				
Exam Date: 05/11/2019 Session: AM				
Lecturer Name	Session	Room No	Attendance Sign	Amount
Sri K POOJA	AM	45		100.00
Sri P S VJAYA LAKSHMI	AM	58		100.00
Sri K V V RANGA RAO	AM	58		100.00
Sri T CHANDRA SEK HAR	AM	58		100.00
Sri ASL BRAMARAMBHA	AM	65		100.00
Sri I RAMESH	AM	71		100.00
Sri CH SREENU	AM	106		100.00
Sri D BHAVANI SANKAR REDDY	AM	209		100.00
Sri M YERRI NAIDU	AM	210		100.00
Sri K SUNITHA	AM	211		100.00
Sri ANDUGULA RAMA KUMARI	AM	212		100.00

Signature of the Chief Superintendent

After generating these reports, we hand over them to invigilators by rooms wise.

Packing of Scripts

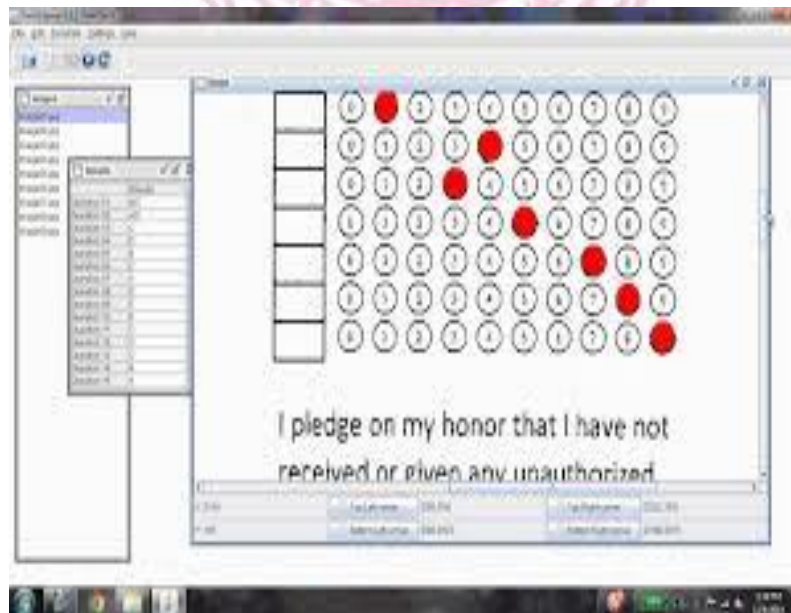
After completion of exam, we enter absentees in absentee module in examination application. Then, we generate bundle slip for packing of answer scripts. The bundle slip

report will generate a report with bundle number and total number of scripts by subject wise. After we receive the answered scripts through invigilators, we pack those scripts by using bundle register by removing counter files of OMR. Likewise, we use the software for all the remaining examinations. After that, we split the bundles by centre wise and distribute them to different colleges for valuation.

Marks Entry & Results

After valuation of scripts, we scrutinize each and every script through the lecturers who post the marks in marks column and also bubble the relevant column and cut the bubbled counterfoil from the booklet. The bubbled counterfoils are cross checked again for corrections.

After that, we scan the counterfoils by using bubble scanner and save the scanned files in .jpeg format into a certain folder. After that, we use the form scanner software for reading the scanned images that gives result as excel format i.e. (.csv) format. We use that result file for inserting marks into database by using examination application.



For inserting result file or marks data into database, we use Bubble marks data module. After inserting all the data into database, we use some function to finalize the

result; after that we generate result file for uploading the result on the college website i.e. www.gcrjy.ac.in.



Semester Result



II IV VI Semester End Examinations Result: APR-2018

Ball Ticket Number :	<input type="text" value="2150109"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>



After some days, we generate marks memos for each and every student for respective semester.