

EXAMINATIONS

SBV GARUDA (EXAMINATIONS MANAGEMENT SYSTEM MODULES)

DATASHEET:

Name:	Garuda Student Information System
Functionality	Students Information Management & eGovernance Suite
Type	Cloud Hosted Software
Procurement	Designed and Engineered by SBV
Pricing / Budget	None – Internally funded
Implemented in	2013
Present Status	In Use
Departments Using	Universal - Chancellery, Office of the Deans / Principals, all departments.
Responsible Leader	Dr. Jagan Mohan R, Head of Dept of Medical Informatics
Hosted	SBV Data Center
Access	Restricted to registered users of SBV domains, Single Sign On – Google SSO
URL	garuda.sbv.ac.in
Description	Garuda is SBV's MEAN stack based student information management and e-governance suite for administration of students, their academic activities encompassing all relevant areas of student lifecycle
Vendor / Provider	Dept. of Medical Informatics, SBV (Internal)


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SRI BALAJI VIDYAPEETH
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ABOUT GARUDA – EXAMINATIONS MANAGEMENT SYSTEM MODULES

SBV Garuda is Sri Balaji Vidyapeeth's specialised academic management suite of programs that help the deemed university achieve its aims of excellence in student and faculty support, curricular delivery, teaching – learning – and assessment as well as implementing an outcomes oriented, competency based education in all its courses and programs.

The Examinations Management System is a set of modules within Garuda platform that help the office of the controller of examinations as well as the departments of constituent colleges to ensure student attendance, internal continuous and period assessments (formative assessments), as well as summative assessments as per statutory norms.

The examinations management system features the latest technological advancements and is built on the latest computing architecture, based on the MEAN stack (MongoDB, Ember.js, Angular.js and Node.js). The application is hosted at our own SBV Data Center on the Cloud.

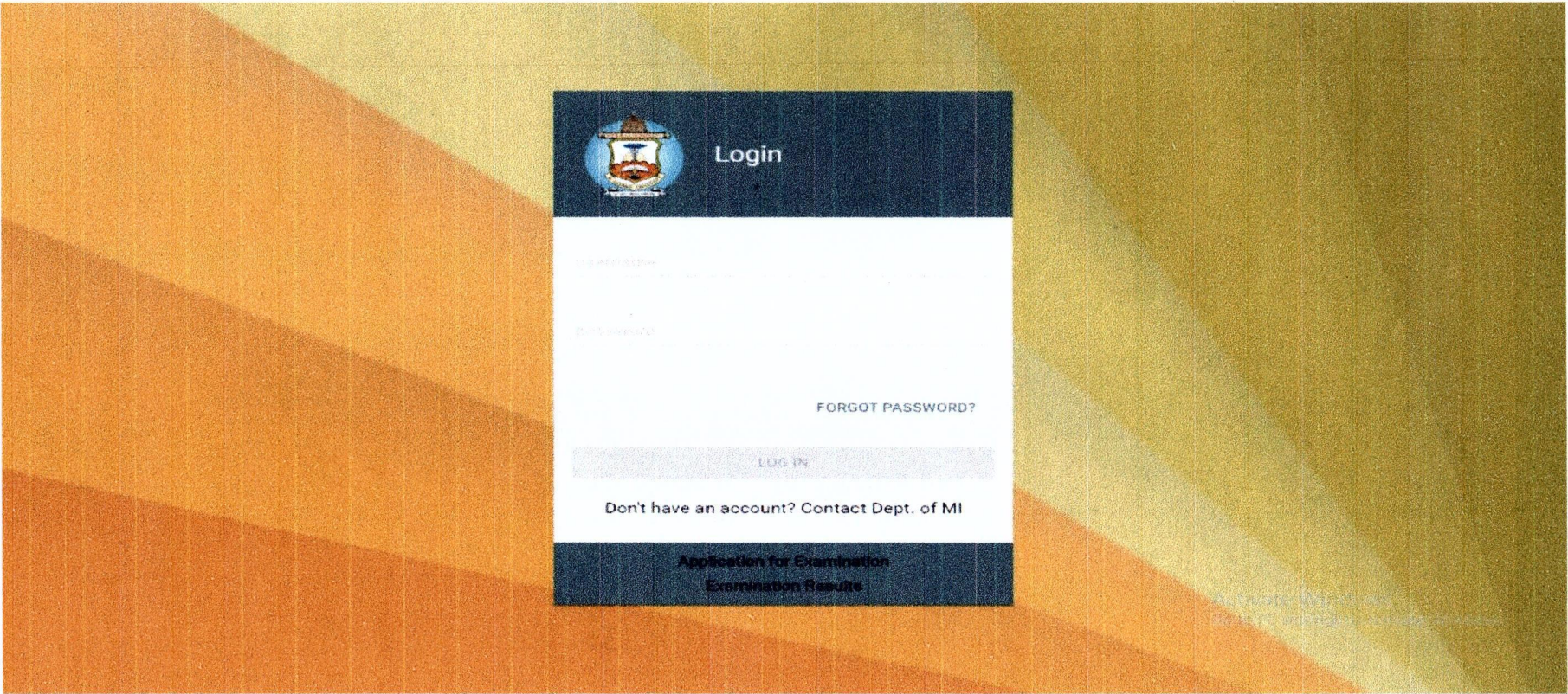
Some of the unique features and innovations of the examinations system are encryption of question papers to be automatically decrypted only on the day of the examinations, one to two hours prior to the beginning of the exams, just in time printing of the question papers, automatic intelligence in blueprints for question paper setting, and blockchain integration for digital badges and credentials.

One of the innovations is the ability to allow individual assessors (examiners) to correct all the answers for one or a set of questions, from the entire cohort of students who appeared for the exam. This eradicates inter-examiner subjectivity and therefore bias. If a particular examiner is a liberal mark giver, his subjectivity if any is distributed equally for all the students.

About 250 features are incorporated into the platform and new features are added on feedback from the students. The entire Garuda Platform has been copyrighted to protect the IP of the deemed university.

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Screenshots of Garuda Examinations Management System



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Staff Dashboard

The screenshot shows a web application interface for a staff dashboard. On the left is a blue sidebar with a list of menu items: Staff Dashboard, Class Schedule, Student Registration, Update Student Record, View Student's Details, Email Service, SMS Service, Assign Semester and Group, Update CRRl and Course, Certificate, Template Design, CRRl Posting, Staff & Faculty Registration, OSCE, and Internal Assessment. The main content area is divided into two columns. The left column has a dark blue background and contains buttons for 'ADD CLASS SCHEDULE', 'LIVE ATTENDANCE', 'STUDENT ACADEMIC REPORTS', 'UNIVERSITY EXAM SUBJECT WISE TOPPERS', 'OVERALL UNIVERSITY EXAM TOPPERS', and 'DOWNLOAD CLASS SCHEDULE'. The right column has a red background and features a profile card for 'Mathiazhagan K', identified as a 'Statistician' in the 'Dean Office' at 'MGMCRI'. The top navigation bar includes the Garuda logo, the text 'Staff Dashboard', and user information including a profile icon and the ID '318285'. A watermark 'Activate Windows' is visible in the bottom right corner.

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Objective Structured Clinical Examinations (OSCE) – Planning, Scheduling and Conduction of Examinations

The screenshot shows a web application interface for adding an OSCE. On the left is a dark blue sidebar menu with the following items: Garuda, CRRJ Posting, Staff & Faculty Registration, OSCE, ADD OSCE (highlighted), View/Edit OSCE, Student Allotment, Upload OSCE Marks, Reports, Internal Assessment, Lock/Unlock Exam, Tools, Course, Reports, and Venue Information. The main content area is titled 'OSCE > ADD OSCE' and includes a user profile '318285' in the top right. The form contains several fields: 'OSCE Assessment Name' with a dropdown menu showing 'Exit OSCE - 2018' and a 'New OSCE Assessment' checkbox; 'Date (dd/mm/yyyy)', 'Per Ass No.', 'Shift No.', and 'Select Department' (with a 'Please fill out this field' error message); 'Level', 'Details', 'Center Location', and 'Total Marks'. At the bottom right, there are 'Activate Windows' and 'SUBMIT' buttons.

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View / Edit OSCE

- Garuda ><
- CRRI Posting >
- Staff & Faculty Registration >
- OSCE >
- ADD OSCE
- View/Edit OSCE**
- Student Allotment
- Upload OSCE Marks
- Reports >
- Internal Assessment >
- Lock/Unlock Exam
- Tools >
- Course >
- Reports
- Venue Information

OSCE > View/Edit OSCE

318285

Mahatma Gandhi Medical College and Research Institute
 Anaesthesiology

Exit OSCE - 2018
 SELECT

View/Edit OSCE							
<input type="checkbox"/>	Session No	Station No	Session Date	Department	Skill	Level	Total Marks
<input type="checkbox"/>	OSCE Exam	01	10-01-2018	Anaesthesiology	Procedural Skill	Bag & Mask Ventilation	5
<input type="checkbox"/>	OSCE Exam	13	10-01-2018	Anaesthesiology	Procedural Skill	Chest Compressions	5
<input type="checkbox"/>	OSCE Exam	22	10-01-2018	Anaesthesiology	Procedural Skill	Defibrillation	5
<input type="checkbox"/>	OSCE Exam	27	10-01-2018	Anaesthesiology	Procedural Skill	Transcutaneous monitoring of oxygen saturation	5

Rows per page: 5 | 1 - 4 of 4

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Student Allotment

Garuda <<

- CRRI Posting >
- Staff & Faculty Registration >
- OSCE >
- ADD OSCE
- View/Edit OSCE
- Student Allotment
- Upload OSCE Marks
- Reports >
- Internal Assessment >
- Lock/Unlock Exam
- Tools >
- Course >
- Reports
- Venue Information

OSCE > Student Allotment

318285

Mangalore Garuda Medical College and Research Institute

Intership

CC - MBBS

EXPENSE 1000

SELECT CHANGE

01, 13, 22

SUBMIT

378 Students selected >

<input checked="" type="checkbox"/>	UIN	Student Name
<input checked="" type="checkbox"/>	1001001023	Deepak Samson Samson
<input checked="" type="checkbox"/>	1001001055	Yashvedh Lakshminarayan Pranas S R
<input checked="" type="checkbox"/>	1001001148	Vivek Subramanian
<input checked="" type="checkbox"/>	1101001018	Asarudeen S
<input checked="" type="checkbox"/>	1101001021	Baalakrishnan S
<input checked="" type="checkbox"/>	1101001063	Karthikeyan S

Assigned Student List >

<input type="checkbox"/>	Student UIN	Student Name
<input type="checkbox"/>	0801001045	Dilip Coumar D
<input type="checkbox"/>	1001001014	Aswin Mukesh R
<input type="checkbox"/>	1001001140	Venkatesan S
<input type="checkbox"/>	1101001007	Aloysius Reuben A
<input type="checkbox"/>	1101001038	Ferina Sanofar I S
<input type="checkbox"/>	1101001044	Gopinath M. K

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Upload OSCE Marks

- Garuda
- CRRRI Posting
- Staff & Faculty Registration
- OSCE
 - ADD OSCE
 - View/Edit OSCE
 - Student Allotment
 - Upload OSCE Marks**
- Reports
- Internal Assessment
- Lock/Unlock Exam
- Tools
- Course
- Reports
- Venue Information

OSCE > Upload OSCE Marks

3182855

UPLOAD MARKS

Mahatma Gandhi Medical College and Research Institute	
Exit OSCE - 2018	DOWNLOAD OSCE TEMPLATE
Anaesthesiology	UPLOAD OSCE MARKS
01, 13	

Activate Windows
Go to PC settings to activate Windows.

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OSCE Report

OSCE Score Card

The screenshot shows a web application interface for generating an OSCE Score Card. On the left is a dark blue sidebar menu with the following items: Garuda, ADD OSCE, View/Edit OSCE, Student Allotment, Upload OSCE Marks, Reports (expanded), OSCE Score Card (highlighted), Bulk Download OSCE, Rank List, Internal Assessment, Lock/Unlock Exam, Tools, Course, Reports, Venue Information, and Formative Assessment Mark.

The main content area has a header with the breadcrumb "OSCE > Reports > OSCE Score Card" and user information "318285". Below the header, there are dropdown menus for "Mahatma Gandhi Medical College and Research Institute" and "Exit OSCE - 2018". A search bar contains the ID "1201001003".

The report itself is titled "PERSONALISED COMPETENCY REPORT" for "Exit OSCE - 2018". It features the Sri Balaji Vidyapeeth logo and name, along with the text "Deemed to be University under sec. 3, UGC act, 1956". The student's details are as follows:

- Name : Aiswarya M
- UIN : 1201001003
- Course : MBBS
- Batch : 2012
- Semester : Completed

A barcode with the number "1201001" is also present. Below the student details is a "COMPETENCY MAP" section, which is partially obscured by a large, textured watermark. The watermark includes the text "Score (%)" and "Medical Reasoning".

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