

Manual of Examination Automation System



VISION

To evolve into a centre of excellence in Science & Technology

Through creative and innovative practices in teaching – learning,
towards promoting academic achievement & research excellence
to produce internationally accepted, competitive and
world class professionals

Who are psychologically strong and emotionally balanced
imbued with social consciousness and ethical values

MISSION

To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry – institute interaction aimed at

Promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and nation



Report on the present status of automation

1) Introduction: 100% automation was done. The EMS is an integral part of Vignan Information Management System. All the following functions are automated. The screen shots shown are only examples and the processes are employed for all programs offered by VFSTR.

2) Details of modules available:

- I. Student registration for class work
- II. Continuous evaluation marks entry
- III. Semester end examination time tables
- IV. Semester end examination student registrations
- V. Question paper setter database
- VI. Examination seating plan, student signature sheets, hall tickets
- VII. Encoding
- VIII. Evaluation module
- IX. Results processing
- X. Various facilities available to the student in website

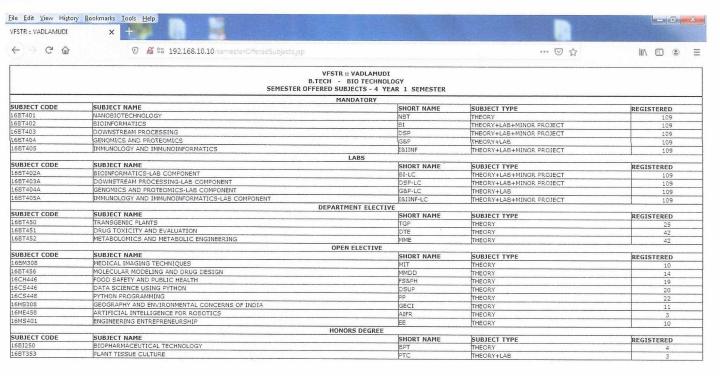
3) Brief description of individual modules:

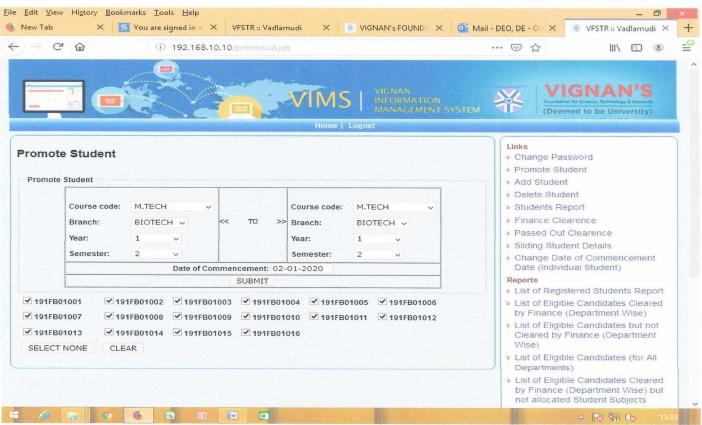
I. Student registration for class work: Student will register for the subjects by using this module. Reports about the eligible candidates for enrollment, details of students who paid the tuition fee, not registered students will be taken out from this module for the use of administration.

This module deals with maintaining the database of subjects, allocation of subjects to student in each semester for class work. Screen shows A1 shows the type of subjects currently in the database, A2 shows number of students registered for each subject in a section, A3 shows promoting students from one semester to another semester, A4 shows allotting students to a particular subject.

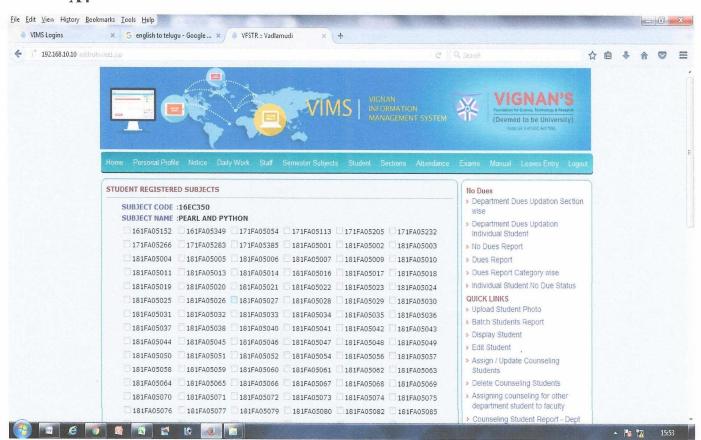


A2





A4

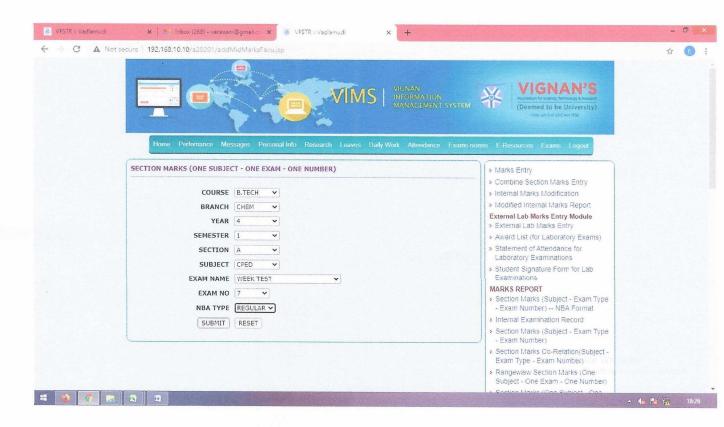


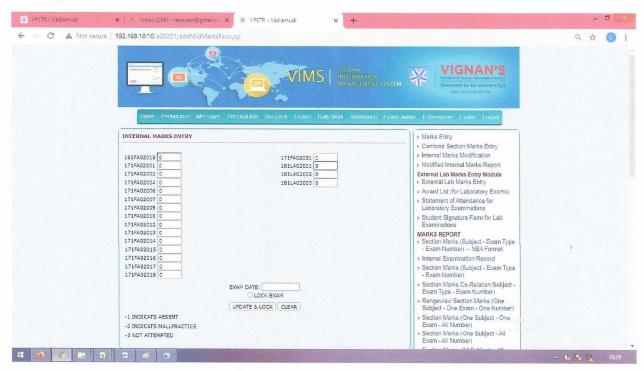
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II. Continuous evaluation marks entry: Entry of continuous evaluation schedules like mid examinations will be done through this module. Specifying the invigilation requirements, receiving invigilator data from departments, marking the absentees for the examinations, taking various reports of the examinations like absentees students, award lists are also done through this module. After posting of continuous evaluation marks by the faculty, various reports like exam wise, section wise marks, student wise marks reports will be taken for informing to HoDs. These marks will be sent to students as SMS.

Screenshot **B1** shows the selection of a subject for marks entry for a specified examination of continuation evaluation. **B2** shows the screen shot for marks entry of a given examination.

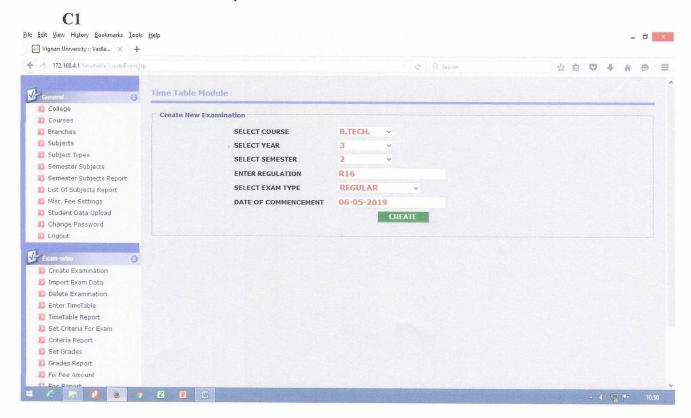
B1



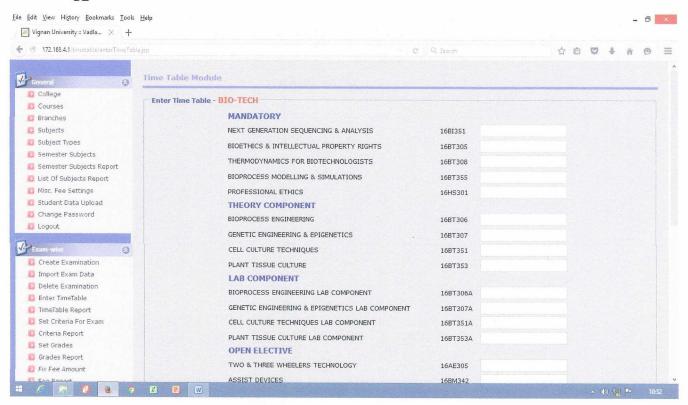


III. Semester end examination time tables: Once the draft copy of the examination time tables are ready then the details will be entered into the software. Details like pass criteria, grading system and credits allotment will be also entered into package along with examination dates. Provision to take necessary reports is also incorporated.

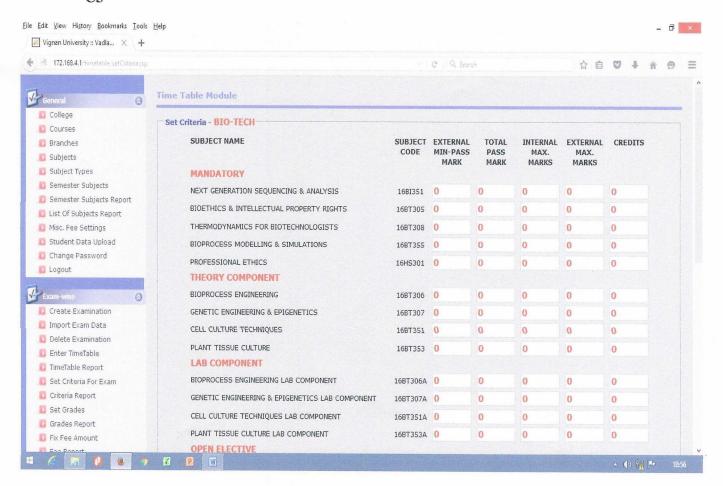
Screenshot C1 shows the first step in creation of examination time table, C2 shows the allocation of date of examination for individual subject, C3 shows the entry of pass criteria, C4 shows the time table report.



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C3

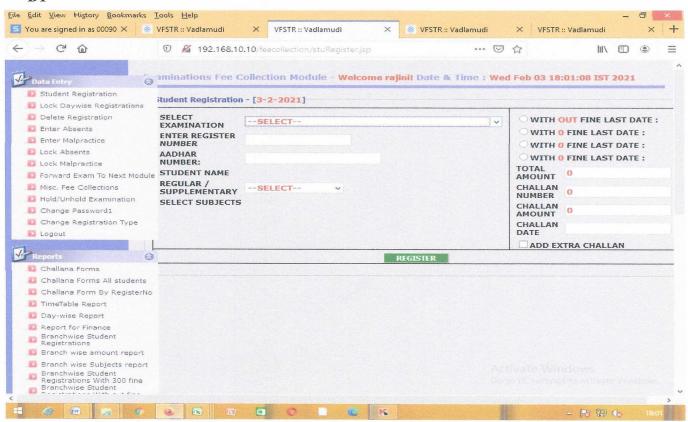


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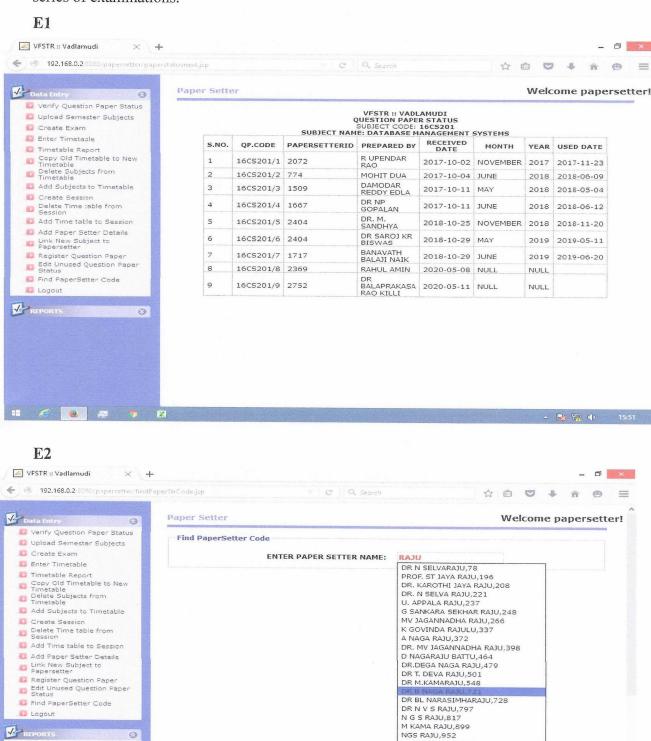


IV. Semester end examination student registrations: This module facilitates registrations of students for examinations. Screen shot **D1** shows the registration of student for particular examination.

D₁



Question Paper setter database: maintain of question paper setter database, selection of a paper setter, registering the used question papers are done through this module. Screen shots E1 shows the details of paper setter available for a given subject, E2 shows the verifying the database for a particular paper setter, E3 shows details of papers sent by a paper setter and screen shot E4 shows the question paper requirement report of a given series of examinations.



VARADA RATU 1013 M SOLOMON RAJU,1033 DR S VISHWANADHA RAJU.1072 T BHIMA RAJU,1083 DORA NAGARAJU,1138 S SIVANAGARAJU, 1150 S RAJU,1209 D SAMUEL RAJU,1247

DR RAJU NAIK BHUKYA.1308

SURESH KUMAR YATIRAJULA, 1310

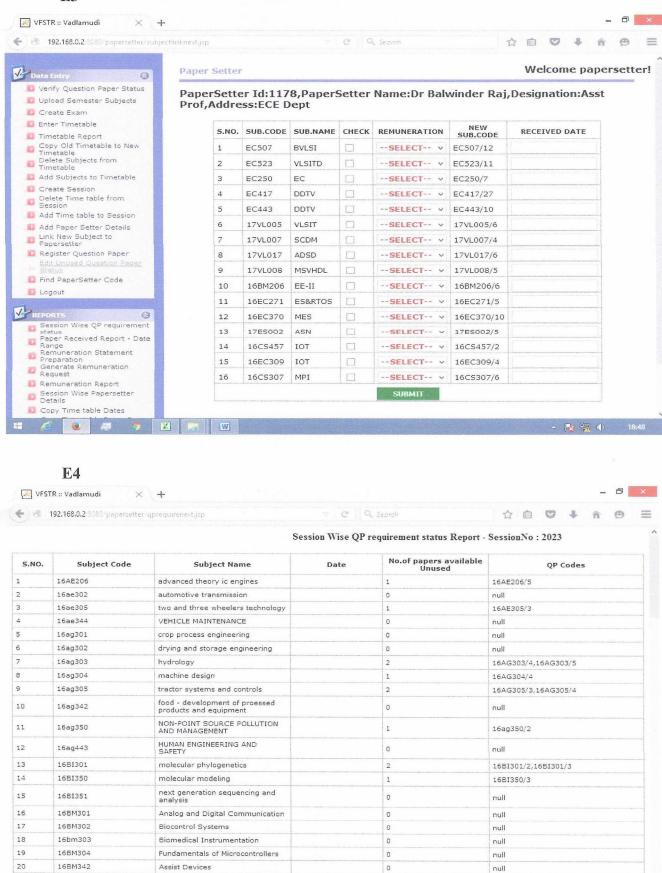
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REPORTS

Session Wise QP requirement status Paper Received Report - Date Range Remuneration Statement Preparation Generate Remuneration Request Remuneration Request Remuneration Research

Session Wise Papersette Details

🜇 Copy Time table Dates



16BT301/3

16BT302/2

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BIOSENSORS

21

22

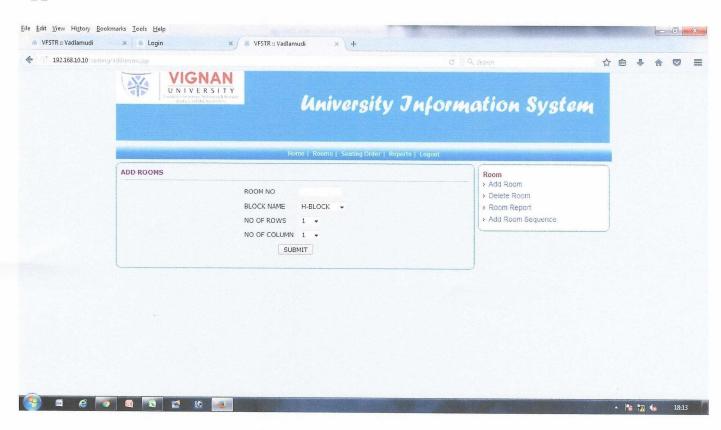
16BT301

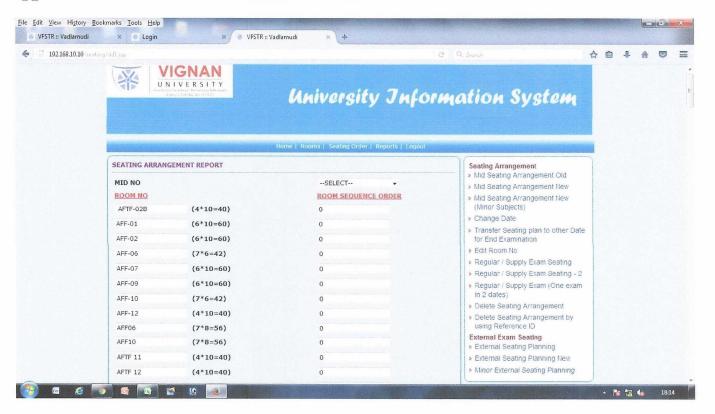
16BT302

Biochemical reaction engineering

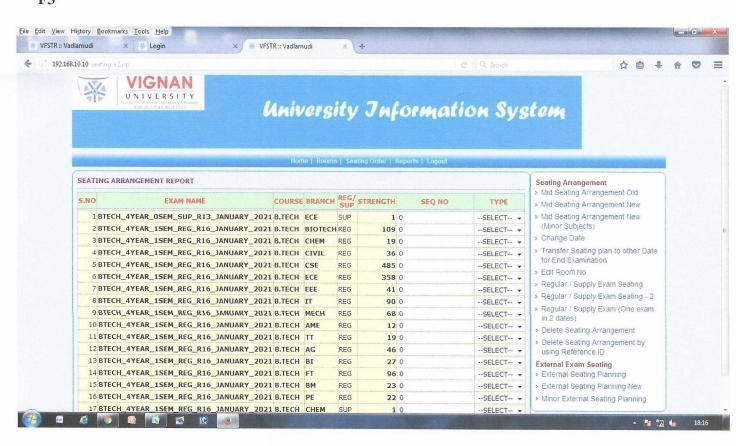
VI. Examination seating plan, student signature sheets, Hall tickets: Screen shot F1 shows the input data screen of examination hall details, F2 shows the grouping of examination hall, F3 shows the allotting groups of examination halls for a particular examination. The reports like hall ticket, duplicate hall ticket can be also taken as shown in screen shot F4. Sample hall ticket generated by software was shown in F5. Students identification report and room wise question paper requirement can be also taken as shown in screen shots F6 and F7. Room wise seating plan screen shot was shown in F8. F9 shows the links for generating students signature sheet (Nominal Report), all rooms consolidated seating arrangement report (Board Report) consolidated question paper report and other reports needed for examinations.

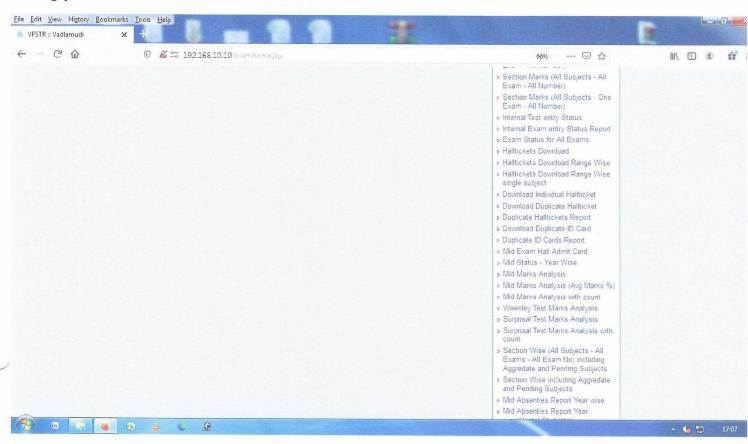
F1



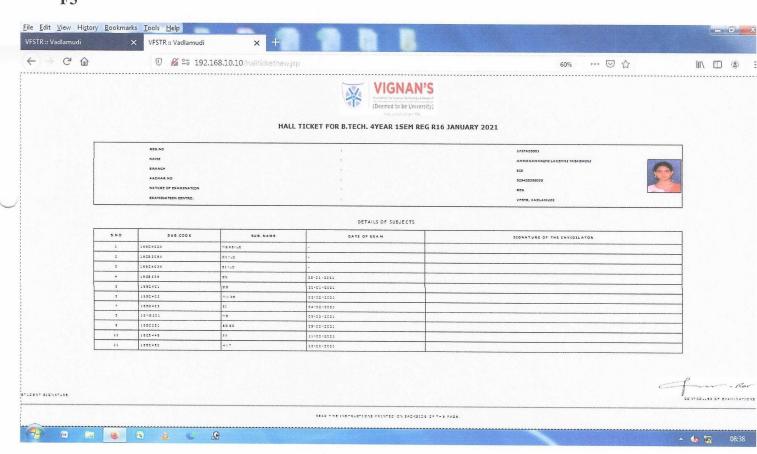


F3





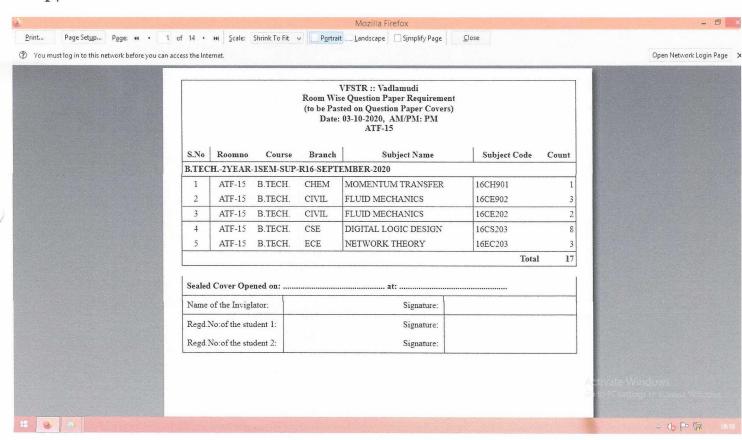
F5

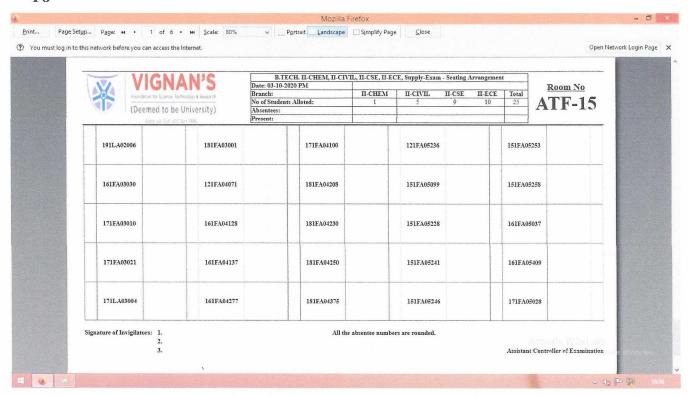


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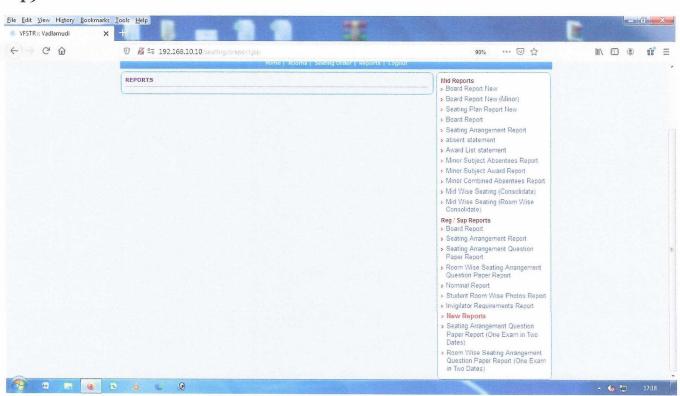


F7



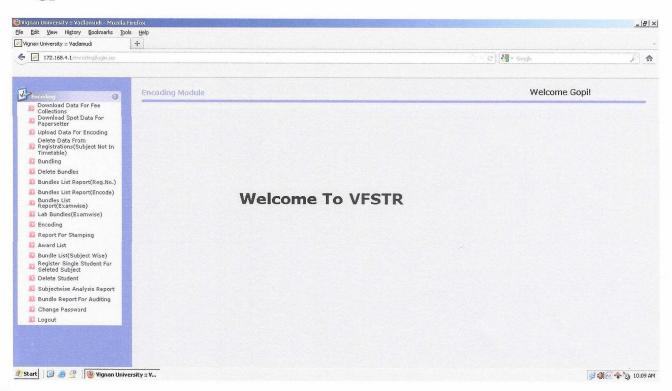


F9

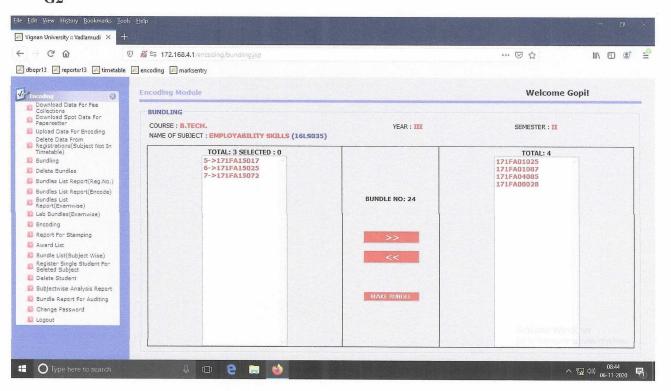


VII. Encoding: Randomly generated 6 digit number will be assigned for each answer script to replace the registered number on the student answer script to ensure unbiased evaluation by examiner. This module facilitates the process. It also jumbles the answer scripts, form bundles as per given inputs and provides various formats needed for evaluation. Screen shots G1, G2 & G3 shows the details. Examination registrations and the absentees details are inputs into the module.

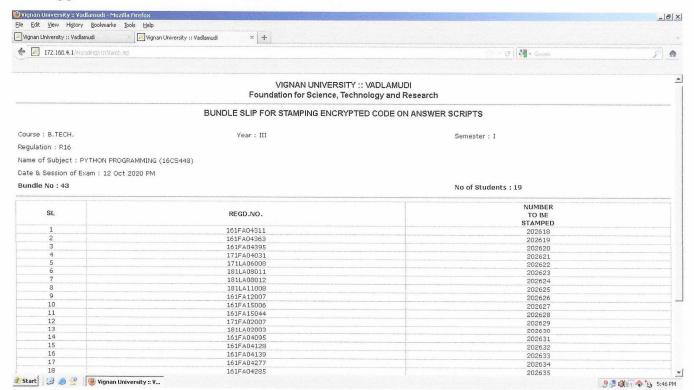
G1



G2



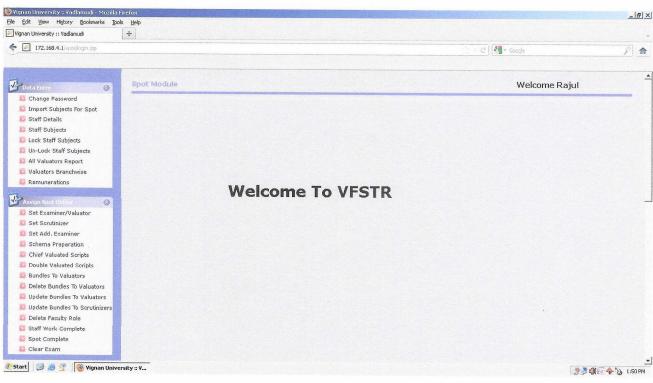
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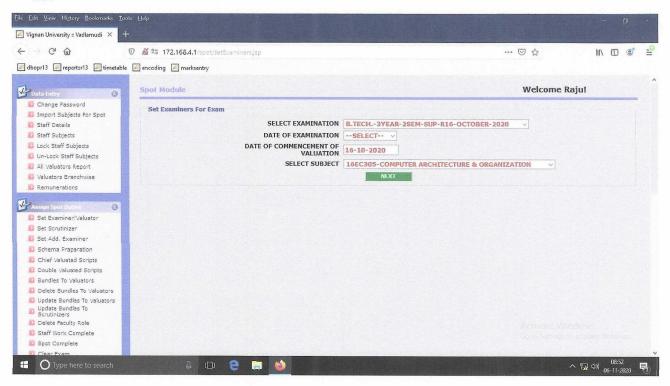
VIII. Evaluation module: Maintains evaluation database, data for evaluator appointment, allotting evaluators to answer scripts, remunerations etc... Marks entry will be done on encoded numbers.

Screen shot H1 shows to the different activities that can be performed in the module. Screen shots H2 and H3 shows a typical appointment process of evaluator. Screen shots shown in H4 shows marks entry.

H1



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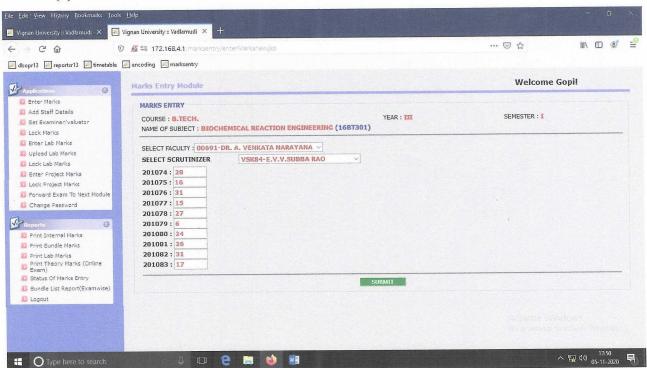


H₃





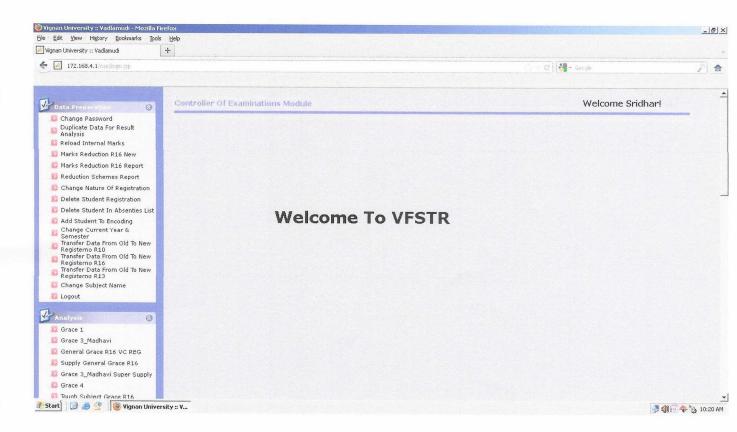
H4(a)

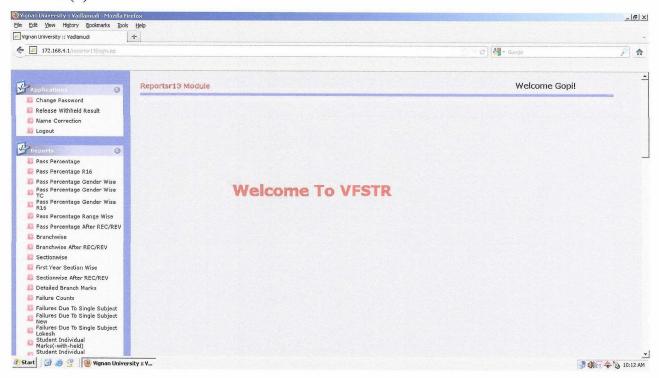


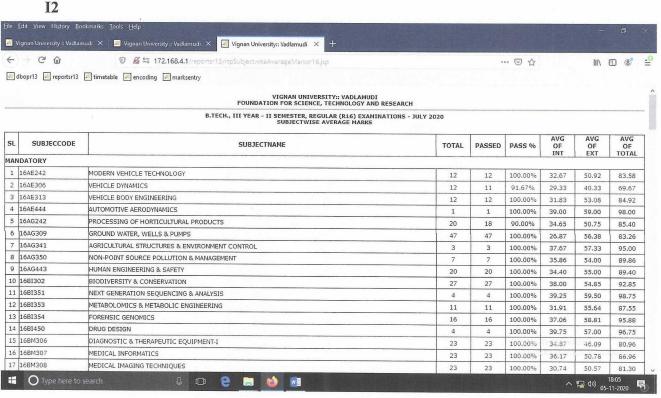
IX. Results processing: Combing the continuous evaluation marks with semester end examinations marks, identifying the pass/fail based on applicable qualifying criteria, doing the pre-examination result analysis i.e. subject wise pass, branch wise, program wise, preparing the result data for publication into University website will be done in the module.

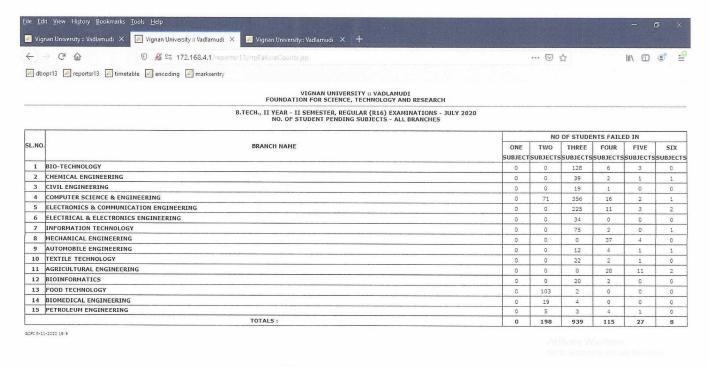
Screen shot I1 shows the page which facilitating the uploading of internal marks, calculation of pass percentage etc. Screen shot I2 shows the result analysis report page of an examination. Screen shot I3 shows failure student analysis report page. Screen shot I4 shows the page showing the links available to print different certificates like provisional degree, migration, marks memos etc...

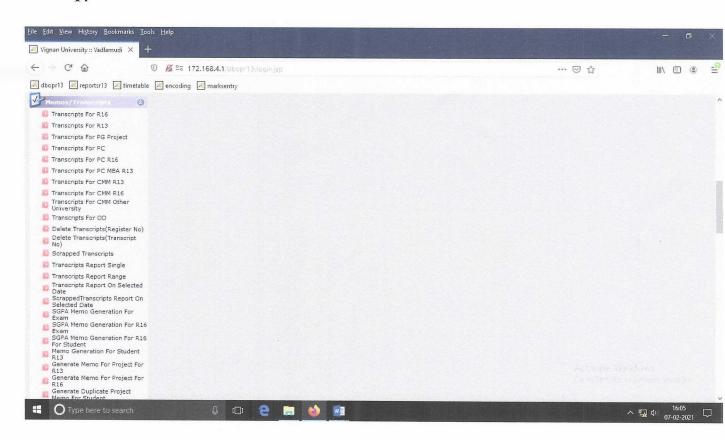
I1 (a)

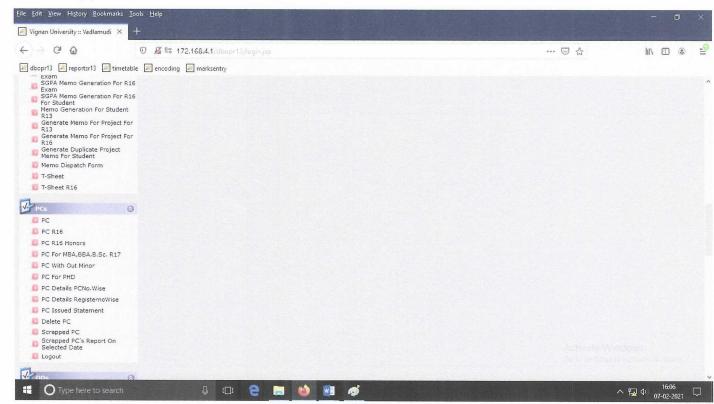




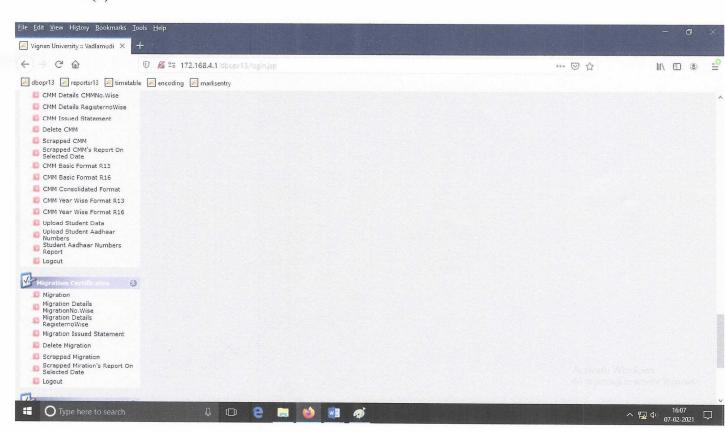


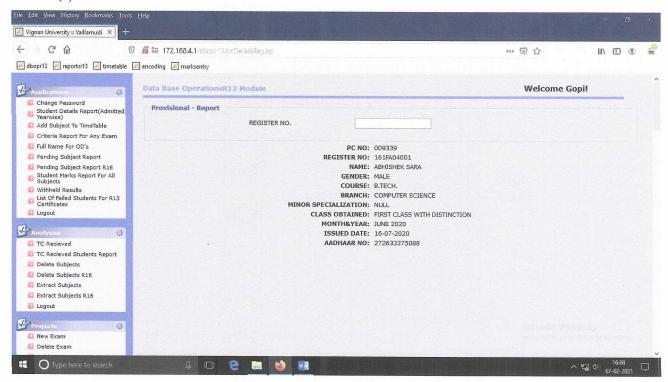






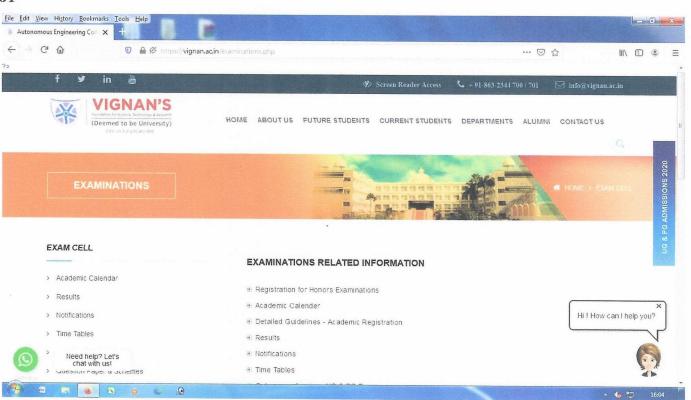
I4(b)

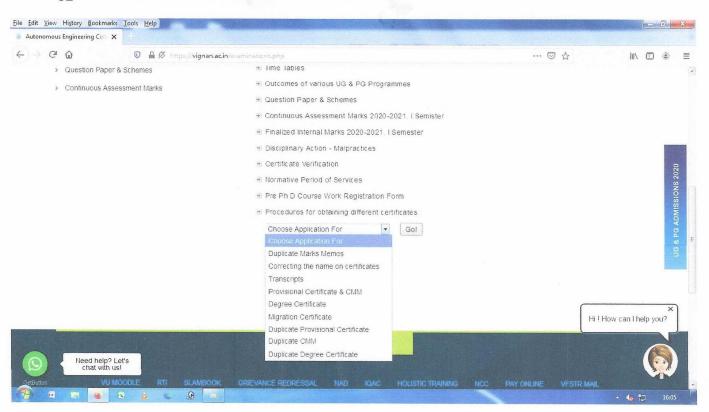




X. Various facilities available to the student in website: All the information related to examinations like examination notifications, time tables, procedures to obtain different certificates, results, student credential verification etc.... are made available in University website. Screen shots J1 and J2 shows these links.

J1





Summary: With clear division of activities among different modules the requirement of necessary confidentiality in the Examination Management System (EMS) is maintained. The effective integration of all these modules made the examinations process 100% automated resulting in quick release of results.

release of results.

Controller of Examinations
VFSTR
(Deemed to be UNIVERSITY)