

Deployment of TCS -ERP as a part of E-Governance, I T integration and Reform Process

After the experience of the usage of our in house solution, it was found that an integrated cloud-based solution should be deployed in place of in-house solution. This will help in managing the pre & post examination task in a better way.

After exploring many agencies, TCS is selected for implementing ERP in Mody University. TCS ION Digital exam solution has digitized & automated end-to end university examination process. It enabled the capturing of marks from the faculty and conduction of quizzes and other assignment based exercises.

During pandemic, online examination were conducted with the help of TCS digital learning solutions.

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Examination Processes involving IT integration

1. Managing Examinations:

- Online course registrations are mandated to aid management of examinations through MUMS.
- Students can view exam timetable and download admit cards online. Admit card contain list of all registered courses for verification by the invigilator.
- Exam hall seat allocation is automated by mapping the registered candidates and courses and designed so that no two students having the same examination sit adjacent to each other.
- The examination room allocation is automatically generated from list of rooms and their capacity.
- Examination attendance sheets are printed with room and precise seat allocation.
- The QP distribution chart automatically lists QPs for each student/seat in individual examination halls.

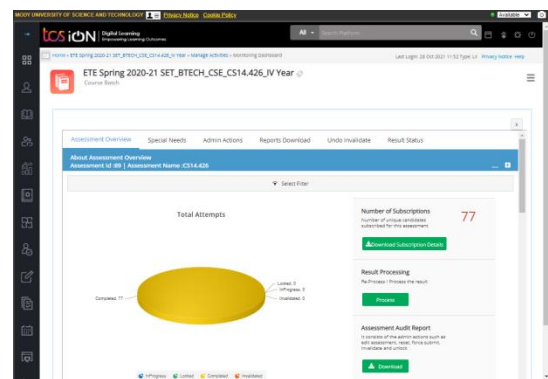
2. Conduct of online exams is utilized by all courses.

3. Results are published online allowing confidential, easy and instant access.

4. Online application for transcripts is available

Additional Examination Reforms.

- Confidentiality:** Every teacher gives two versions of their QPs to the exam cell and one amongst them is randomly selected as the final paper. Physical entry to storage of examination documents is highly restricted



Home

Reports

Contact List

Templates

Cloud Drive

DSS

TabulationRegister TEST

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

STATEMENT OF MARKS / GRADE / GRADE POINT / JUNE_2021_SPRING

SCHOOL OF BUSINESS

BACHELOR OF COMMERCE (H) / SEMESTER 6

SESSION :2020 - 21

DATE OF RESULT DECLARATION : 15-JUL-2021

SL NO.	NAME	ENROLLMENT NO.	SUB NAME	AUDITING AND ASSURANCE	FINANCIAL ANALYSIS AND REPORTING	BUSINESS ETHICS & CORPORATE GOVERNANCE	FUNDAMENTALS OF INVESTMENT	PROJECT MANAGEMENT	DISSERTATION	SOFT SKILLS AND INTERVIEW SKILLS	SGP	TOTAL CRDT	SEM STA	SGPA	CGPA
			SUB CODE	BC312	BC322	BC332	BC342	BC352	BC362	SF302					
			CREDIT	3	3	3	3	3	6	1					
			TOTAL 100	GRD PT	TOTAL 100	GRD PT	TOTAL 100	GRD PT	TOTAL 100	GRD PT					
1	Pooja Kumari	180290		86 A 9.00	75 B+ 8.00	74 B+ 8.00	75 B+ 8.00	87 A 9.00	82 A 9.00	76 B+ 8.00	180	21	PASS	8.570000	7.400000
2	Priya Kumari	180296		83 A 9.00	84 A 9.00	80 B+ 8.00	76 B+ 8.00	85 A 9.00	72 B 7.00	81 B+ 8.00	171	21	PASS	8.140000	7.310000
3	Addi Modi	180343		77 B+ 8.00	77 B+ 8.00	78 B+ 8.00	70 B 7.00	87 A 9.00	77 B+ 8.00	84 A 9.00	168	21	PASS	8.000000	6.900000
4	Akshita Agarwal	180344		88 A 9.00	75 B+ 8.00	86 A 9.00	75 B+ 8.00	89 A 9.00	75 B+ 8.00	81 B+ 8.00	177	21	PASS	8.430000	8.340000

Raw Data

TechTeamTabulation...

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The solution defines the registration window for student to register for subject as per the subject selection rule applicable in the academic session. Students can also register the

elective courses under choice-based credit system or as open elective subject. It has the provision to attach faculty to exam detail and subject combination. It provides the ability to the faculty to capture marks against its subject through self-service link.

Tabulated reports are generated as apart of result processing and the result is available to the students online.

The TCS ERP solution has not only reduced administrative efforts but it has made our system more transparent and efficient.

ION EDUCATION SOLUTION

ION EXAM AND GRADE MANAGEMENT SOLUTION SCOPE

TCS ION EXAM AND GRADE MANAGEMENT SOLUTION

Scope Of Service and Solution

After completion of setup, the following transactions can be done:

- Upload Score
- Process Score
- Edit processed score/Re-evaluation/Apply grace marks
- Publish and Freeze the score
- Generate Report Cards
- Generate Student Promotion List

After completion of transactions, the following will be available as output:

- Exam wise captured and processed scores and overall result in excel sheets
- Pass/Fail details of subjects of all exams set up across various batches
- Promotion list of the academic session with exam status (Regular, PWG, PWCP) and subject status (Clear, Repeat exam) for all the students as per the subjects enrolled (PWG: Pass with grace, PWCP: Passed with carry papers)
- PDF progress report card for the academic session or the term exams
- 360 degree view for students for processed/overall score view, promotion history, subject enrollment including backlogs through self service
- Self-service quick link for students to download pdf report card, view captured and processed score
- Result reports and widgets (from admin perspective)

The solution scope includes:

Assessment Pattern Setup	
1	Subject Categorization and grouping
Process	Create subjects as per the curriculum and group them into subject groups applicable for every session of a batch. Define applicability of subjects for each academic session of a batch. Define the credits for each subject of an academic session if applicable. Define subject selection rule in terms of minimum and maximum subjects per subject category and minimum and maximum credit points group wise or consolidated if applicable.
Features	Group subjects of one academic session. Tag subject group to academic session. Tag subject selection rule. Define credits per subject.
2	Exam Details and Exam Hierarchy Creation
Process	Create grades and grade category. Create exam details: Type of examinations taken in academic session (for eg. Internal, External, Half Yearly, Unit Test, Final Exam). Create exam tree: Hierarchical pattern depicting parent child relationship between different examinations conducted in an academic session.
Features	View pass/ fail types of grades. View number of assessment components- exam details. Visualize exam pattern- tree leaf and parent node relation.
3	Grades Categorization, Grading Schemes Creation and Rules Setup
Process	Create all the applicable grades like A, A1, B, B1, Good, Excellent and group them into various grade categories as per the requirement. Define the required grading schemes-Consolidated and Non Consolidated: Qualitative (GPA) or Quantitative (Percentage or GPA). Configure Consolidated Grading schemes to process the score at ED (Exam level)/EP level (top most node). Define marks (fixed) range or percentage range with upper and lower limit for each grade in case of quantitative Percentage Grading Scheme. Define Start and end of grade point in case of quantitative GPA and define equivalent grade points for every grade. Define % of students falling in particular range in a grading scheme if curve fitting OR Letter Grade is required while processing the score at any Exam tree node.
Feature	Grouping grades into grade categories can be used for better analysis. Apply consolidated/non-consolidated Grading scheme at different nodes of the exam tree. Ability to provision curve fitting and Grade letter in an exam.

Rules Applicability	
1	Define / Tagging Rules
Process	Create customized normalization classes if required i.e. Any specific condition OR logic required for processing the scores. Create Absent type and Absence rules specific to actions on absenteeism. Define rule for applying grace marks. Define rule for submission of marks. Create customized classes (logic) for promotion. Creation of customized classes (logic) for exam eligibility
Feature	Calculate deviation and normalize the deviations in scores obtained Take action on absent type. Apply grace marks if applicable. Modify and update SGPA, CGPA. Generate and modify promotion list as per the applied logic. Generate eligible student list as per the applied logic
Registration, Evaluation and Score Management	
1	Subject Registration
Process	Define the registration window for students to register for subjects as per the subject selection rule applicable in the academic session. Choice Based Credit System : Student can register to extra credit , audit course or open elective subject Take request for registration from students and apply registration charges per subject or All subject if applicable.
Feature	Restrict time period for registration: Batch wise and session wise. Accept registration requests. Display list of subjects for registration for an academic session.
2	Subject Enrollment
Process	View and approve registration requests. Directly enroll students to specific subject group. Choice Based Credit System: Enroll students to extra credit, audit course or open elective subject.
Feature	Generate the list of enrolled students per subject. Generate the fee and enroll or direct enroll.
3	Faculty Exam mapping
Process	Creation of faculty in HRMS as employee. Map faculty with an Activity and subject-Activity Subject mapping. Allocate faculty to one or multiple class-Faculty class allocation. Assign faculty to subject and exam node (i.e. restriction of nodes to capture score).
Feature	Provision to attach faculty to exam detail and subject combination. Define the number of faculties who may evaluate one paper. Map different faculty to different class of an academic session. Ability of faculty to capture score against its subject through self service quick link. Facility to define marks submission rule if more than one faculty evaluates the same paper.
4	Capture Score/ Process Score/Edit Processed Score
Process	Capture marks/ grades at different exam tree nodes for each applicable subject. Process the scores based on Exam rules set up, weight-age and grading scheme of each exam node. Edit the processed score in various ways when required: Fresh Entry, Update, During revaluation.
Feature	Edit captured scores. Edit processed scores. Provision for faculties to capture score as per faculty exam mapping done Calculate SGPA/ CGPA in case of GPA scheme and overall percentage in case of percentage.
5	Publish/ Freeze Scores
Process	Publish processed scores to be viewed by faculty, student and parent Freeze scores – making it read only for users
Feature	Ability to edit score before freezing. Verify results. Inability to edit scores after 'freeze scores'.

Exam Report Configuration, Results and ODR	
1	Creation of promotion/detained/backlog list
Process	Generate promotion list of students. Generate promotion list with/without backlog. Generate list of detained students.
Feature	Register again in case of backlog. Edit rule applicable and regenerate the list.
2	Progress Report configuration through PDF and front end

Process	Report card configuration by using Exam and Grading Meta Attributes and General Information of students and batch. Design the required transcript/report card in PDF format and map the PDF attribute keys to system attributes IDs to fetch static and dynamic values from the system to PDF report format.
3	Fetch reports and ODR
Process	Generate on demand reports as per attributes required by selecting filters and criteria. Fetch pre-configured reports to have analysis of exams conducted in a session.
4	Self Service View
Process	View/verification of results from Self Service, download current session PDF report card Capture score by faculty
Feature	View captured and processed scores session wise from student and parent login. Download current session PDF/report card by student/parent, if configured. Capture scores from faculty login as per access mapping done through faculty exam mapping.