

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

DEI has a well-established and efficient semester-based continuous evaluation system with different types of assessments spread throughout the session. The processes related to the conduct of examinations, declaration of results and award of degrees and diplomas are controlled and monitored by the Central Examination Department of the Institute together with the Faculty and College Examination Cells.

Various reforms have been undertaken in the last five years that have improved the efficiency and transparency:

(a) **Automation of Examination System:** A Course Management Software System has been developed completely in-house with the following features:

- i. Support for regular, integrated, distance and dual mode programmes.*
- ii. Enrolment and registration of students.*
- iii. Registration cancellation.*
- iv. Verification of students.*
- v. Flexible award blanks for entering marks of different types of evaluation components.*
- vi. Flexible to handle any type of course.*
- vii. Marks approval; verification by student and request for correction.*
- viii. Support for Grading and percentage-based evaluation.*
- ix. Student Tracking.*
- x. Compilation and Declaration of Results.*
- xi. Printing of degrees, progress cards and transcripts.*
- xii. Generation of reports for teachers, administration and regulatory bodies such as UGC.*
- xiii. Online Semester/ Module Fee Payment.*
- xiv. Seamless link with the admission system.*
- xv. Link with the OMR system for automatic transfer of marks.*

(b) **OMR Based Evaluation System**

An OMR-Based Evaluation System has been developed inhouse with the following features:

- i. OMR – based evaluation of multiple-choice tests.*
- ii. Caters to single correct and multiple correct answers.*
- iii. Inexpensive – works on photocopied sheets.*
- iv. Error Tolerant - does not require precision or color printing.*
- v. Adaptable to all scanner resolutions.*
- vi. Flexibility for negative marking and other testing features.*
- vii. Interface completely web based.*
- viii. Optional negative marking, configurable by sections.*
- ix. Choice between subjects for different sections.*
- x. Instant results available on the web and may also be exported to other formats such as MS Excel, Open office, etc.*

- (c) **Centralized conduct of Internal and End-Semester Examinations** for optimal utilization of physical as well as manpower resources, increased vigilance and smooth conduct of the examinations.
- (d) **Daily Home Assignments (DHAs):** Assignments on topics covered in lectures have been introduced in all programmes in the Institute.
- (e) **Weekly Class Assignments (CAs)** on topics covered in class in the form of a short quiz.
- (f) **Centralized Grading of Common Courses:** to ensure uniformity and transparency in grading and moderation.
- (g) **Online Courses:** More flexibility in the curriculum has been provided with students permitted to credit 20% of their course requirements through online offerings such as SWAYAM and NPTEL.
- (h) **Remedial Examination every Semester** instead of annually, to provide students opportunity to credit modular courses for better time utilization.
- (i) **Online Viva-Voce Examination** through video-conferencing in India and abroad.

The positive impact of these reforms is visible in students having complete and up-to-date information about their performance through the semester. Marks are uploaded on the Course Management Software within stipulated time after the exams. The students are given opportunity to see their answer books and can validate their marks. In case of any query, the student can approach the course teacher.

The system is completely transparent and student friendly. This is evident from the fact that the average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years is 0.51.

The average pass percentage of students is high at 98.07%.

An extensive survey-cum-feedback was carried out on a sample of over 500 students across the entire campus with responses received on a five-point Likert scale. On an average 79% of Students Agreed or Strongly Agreed (response greater than or equal to 4) to the improvements indicated in the questionnaire. Action taken on points low on the Likert scale have been approved by the Governing Body and follow-up survey was carried out to ensure that the benefits of improvements had reached the students.

Links

Pass Percentage:

Academic Council Minutes

https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=870&catid=2

DEI Information Centers (Exams can be taken at these centers)

<https://www.dei.ac.in/dei/distanceEducation/index.php/study-centres>

Map of 430 Centers in India and Abroad (IOE Book, Page 234)

<https://www.dei.ac.in/dei/files/notices/2019/IOE.pdf>

PhD Viva over Skype

- <https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/PhD%20Viva%20over%20Skype%202.5.4/PhDOverSkype%202.5.4.pdf>
- [https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/PhD%20Viva%20over%20Skype%202.5.4/phdviva-2017-11\(Revised\).pdf](https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/PhD%20Viva%20over%20Skype%202.5.4/phdviva-2017-11(Revised).pdf)
- <https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/PhD%20Viva%20over%20Skype%202.5.4/phdviva-2017-17A.pdf>
- <https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/PhD%20Viva%20over%20Skype%202.5.4/phdviva-2018-31.pdf>

CMS

https://admission.dei.ac.in:8443/CMS/Flex/CMS_FLEX.html

NIRF Graduate Outcomes

https://www.dei.ac.in/dei/files/NIRF2017/NIRF%202019/NIRF%202019_Overall_Submitted%20Data.pdf

Student Survey (includes Alumni Survey):

<https://www.dei.ac.in/dei/files/NAAC/DVV/1.4.1-1.4.2%20Feedback-Action%20Taken%20Report-GB%20Minutes-Alumni.PDF>