

PARAKH

AICTE Student Learning Assessment

<https://parakh.aicte-india.org/>

Prof. T G Sitharam
Chairman, AICTE



- OVERVIEW

The AICTE-SLA (PARAKH) Project is designed to measure the benchmark levels and gains in academic and aptitude skills by the students in technical programs and to understand the various factors that affect skill development of students in Technical Institutes across India.

- VISION

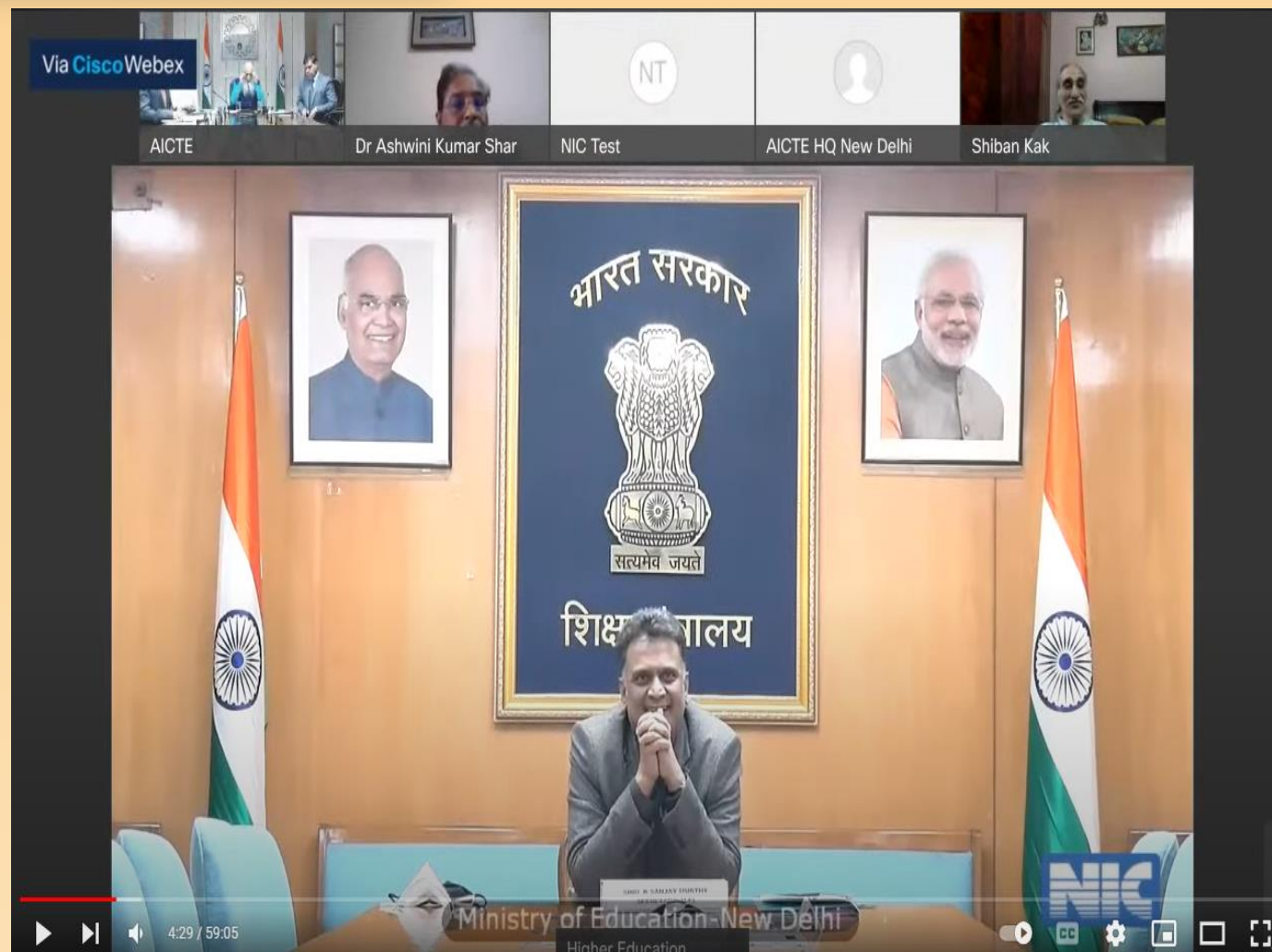
To evaluate technical students of India for their overall qualitative growth during their Course of study in order to get appropriate employment that best suits students capability.

- MISSION

To enable policy makers to evaluate the global competitiveness of Students, Faculty and Head of departments to create a more effective system for technical Higher Education in India.

Background

- PARAKH Portal was launched on 7th January 2022 by Secretary Higher Education, MoE-Government of India, for all AICTE approved institutes..
- Assessment of Students and Faculty Member's in All AICTE Approved Institutions in the field of Engineering, Management, Computer Applications, Emerging Areas, Aptitude, Higher Order Thinking Skills at various level of UG/PG and Diploma.
- 1.28 Lakh Questions available .
- Involvement of 1000+ professionals and experts for development of Question bank.
- Periodic updation of questions



Current Status of Registration & Assessment in PARAKH Portal



4242



39530



614708



384043

DISCIPLINES COVERED

Engineering

Knowledge of Civil, Mechanical, Electrical, Electronics & Communication, Computer Science as per Blooms Taxonomy



Maths, Physics & Chemistry

Foundation for advanced discipline-specific courses work



Aptitude

Ability to think and provide Innovative solutions



Emerging Areas

Skills in Subject aligned to the industry i.e. Robotics, Block-Chain, Quantum Computing etc.



MCA

To assess level of understanding in the application part of computers



Management

Abilities in planning, organizing, leading & controlling the human, financial, physical & information resources



Higher Order Thinking Skills

Strong analytics, communication, Quantitative & Information skills



Analyse

Evaluation

Creation

Mental

Social

Physical

Integrity

Spiritual

Health

Legal

Agriculture

Arts and culture

Core Subject Skills

Higher Order Thinking skills

Aptitude

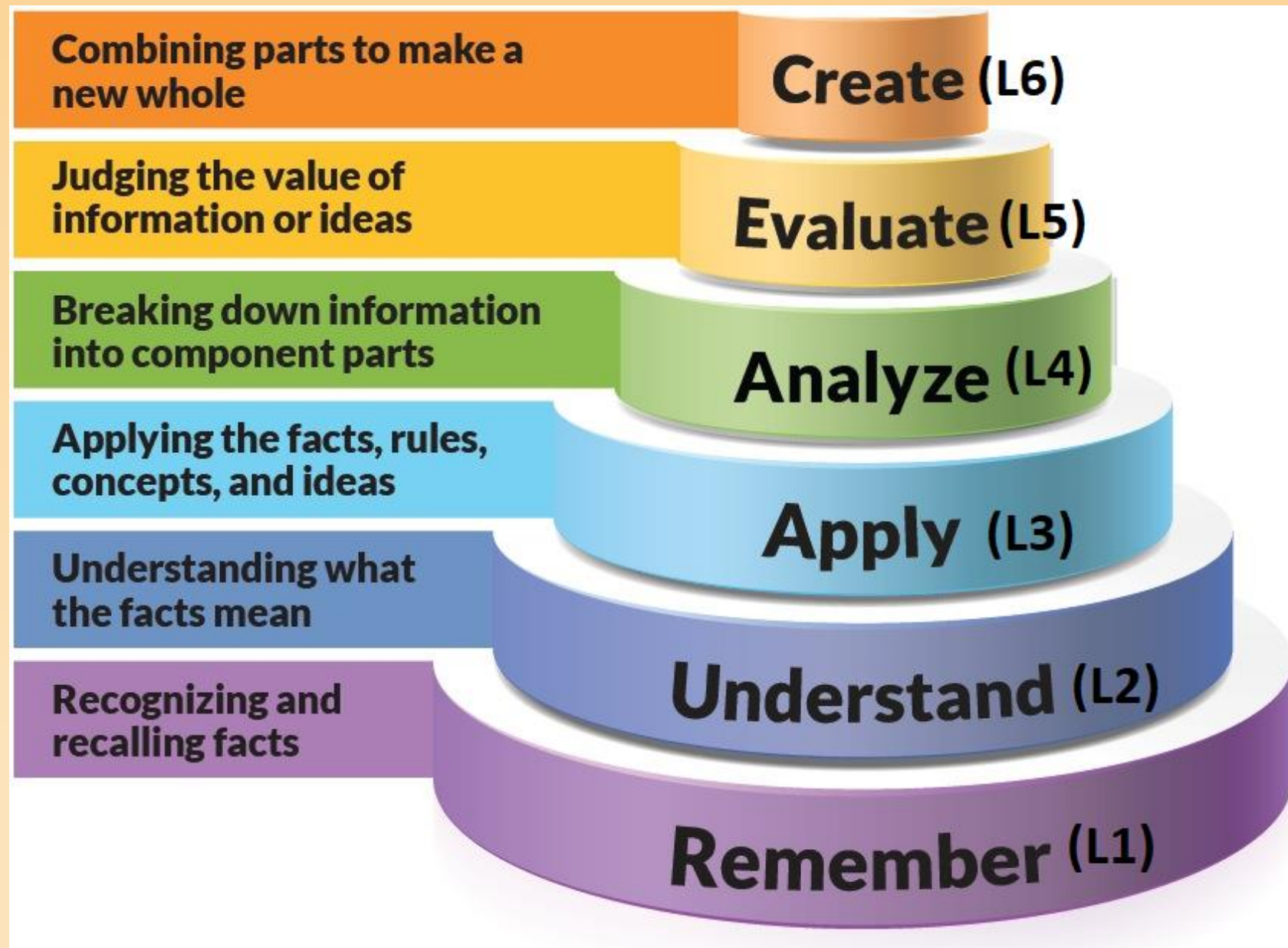
NEP Allied Courses

Emerging Areas

General Knowledge

PARAKH

Assessment Matrix



Department	Totals Questions after review
Aptitude	29369
CHEMISTRY	1152
CIVIL ENGINEERING	5054
COMPUTER SCIENCE AND ENGINEERING	20816
ELECTRICAL ENGINEERING	13026
ELECTRONICS AND COMMUNICATION ENGINEERING	15331
Emerging Areas	9719
MATHS	4146
MBA	16764
MECHANICAL ENGINEERING	11406
PHYSICS	1258
Grand Total	128041

ASSESSMENT PATTERN FOR STUDENTS

Eligibility for Students	Year for Assessment	100 questions pattern for Assessment	* Core Subjects further in 70:30 (L1 and L2 : L3) Bloom Taxonomy Level
UG Students (for Core branches such as Civil, Mechanical, Computer Science, Electronics and Communication and Electrical Engineering)	1 st Year	80 (Aptitude + NEP Allied Courses) : 20 core 80 questions for Aptitude and 20 questions for Core Subjects (Physics, Chemistry & Math's)	
	2 nd year	60 (Aptitude + NEP Allied Courses) : 15 (1 st year) : 25 (2 nd Year)	
	3 rd Year	50 (Aptitude+ NEP Allied Courses) : 05 (1st year) : 10 (2nd year) : 15 (3rd year) : 20 Emerging Areas	
	4 th Year	50 (Aptitude+ NEP Allied Courses) : 05 (2nd year) : 10 (3rd year) : 15 (Final year) : 20 Emerging Areas	
Engineering Diploma Students	Polytechnic 2 nd Year	As per 1 st Year UG questions	
	Polytechnic 3 rd Year	As per 2 nd Year UG Questions	
MCA	1 st Year	2 nd year computers science	
	2 nd Year	3 rd year computers science	
MBA	1 st year	60 (Aptitude+ NEP Allied Courses) : 40 (Core)	
	2 nd Year	60 (Aptitude+ NEP Allied Courses) : 15 (1st year) : 25 (2nd year)	

Overview of Evaluation

Multiple Choice Questions

The assessment will comprise of Objective type Multiple Choice Questions (MCQs). Each question will have 4 options and one correct answer.



100 Questions 100 Minutes

Assessment Carries 100 Question with maximum time of 100 minutes to complete the assessment.



All Questions are Compulsory

It is Compulsory to attempt all the questions before submission of the assessment. Assessment can be carried out in the sequential manner only, Example: you can't jump to the 1st question to the 10th question



No Negative Marking

There will be no Negative marking for any questions.



Subjects Covered

The Subjects or topics covered in the assessment are based on the subject chosen at the time of assessment and as per the Syllabus designed for the core branches



No Question Swapping

Randomly 100 questions are picked from the database at the starting of the assessment and every time new questions are appeared depending upon the subject chooses. Even, if you opt "Skip & Answer Later" option and comeback later to answer this question, the same question will appear on the screen.



Assessment Report: Consolidated Report will be generated after each assessment in which the performance of the student will be listed in terms of star rating against each specialization and overall rating. Pdf format of this report can be downloaded or emailed for future references.

Calculation Criteria

Marks Range	Performance	Rating
0-15	-	1 Star
16-39	-	2 Star
40-55	Good	3 Star
56-70	Very Good	4 Star
71 and above	Excellent	5 Star

Key Features of the Portal

An interactive Dynamic Portal is Designed for effecting the Assessment



Interactive Portal

Easy to understand and user friendly.



Multi-lingual Support

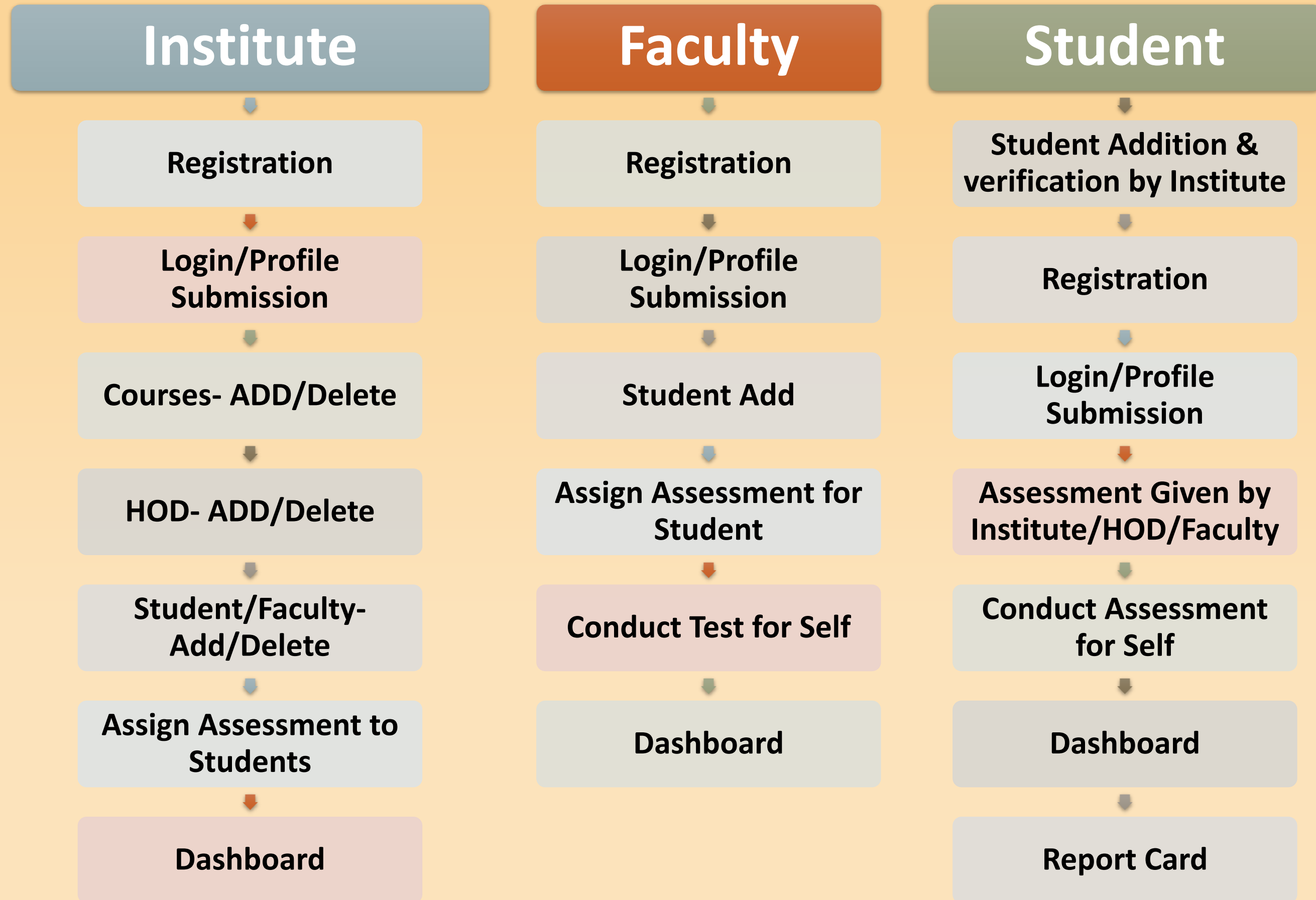
Better understanding of questions in regional languages



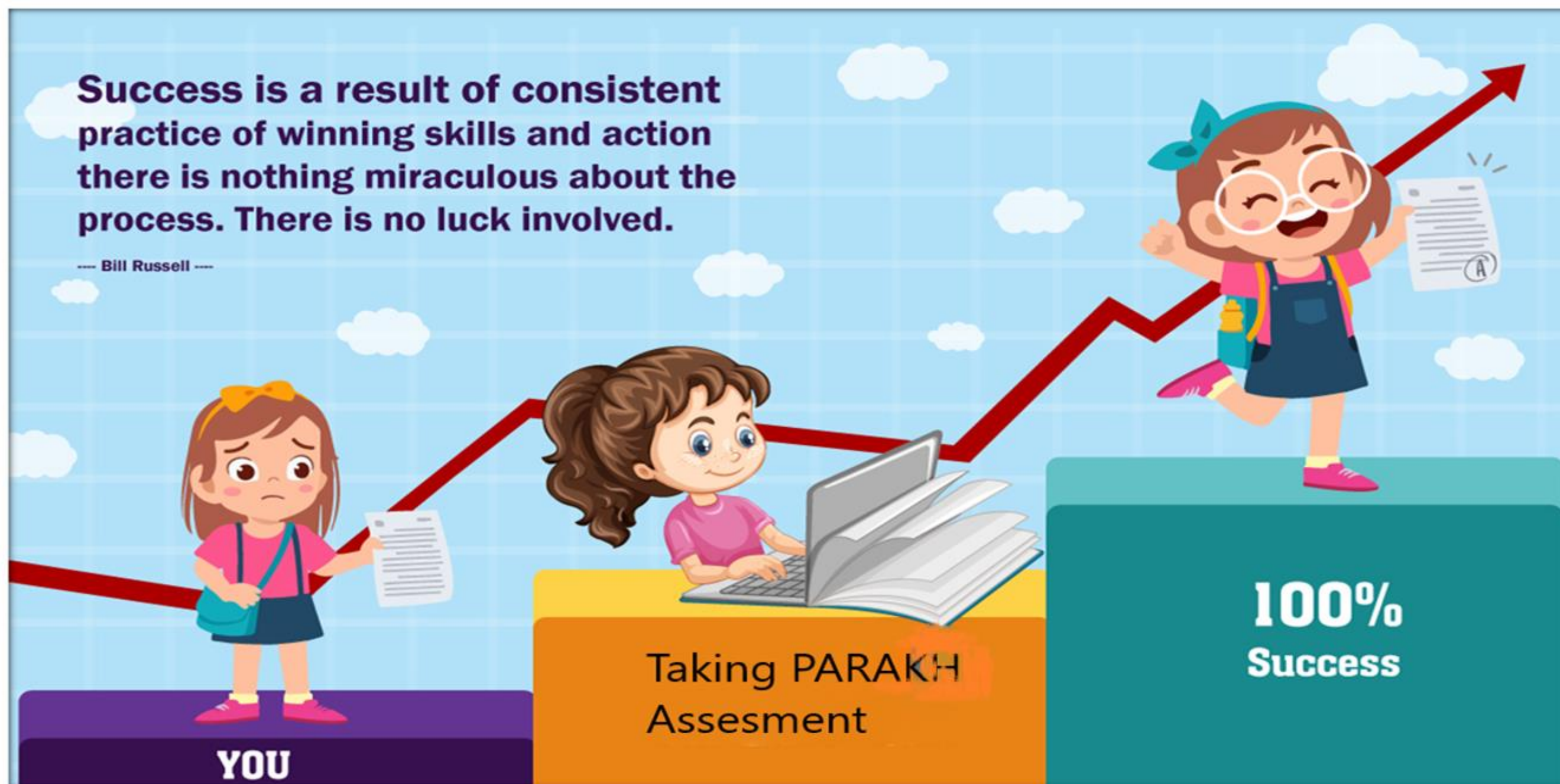
Dynamic Dashboard

Illustrated Dashboard is designed to view the performance journey and gaps of the learning.

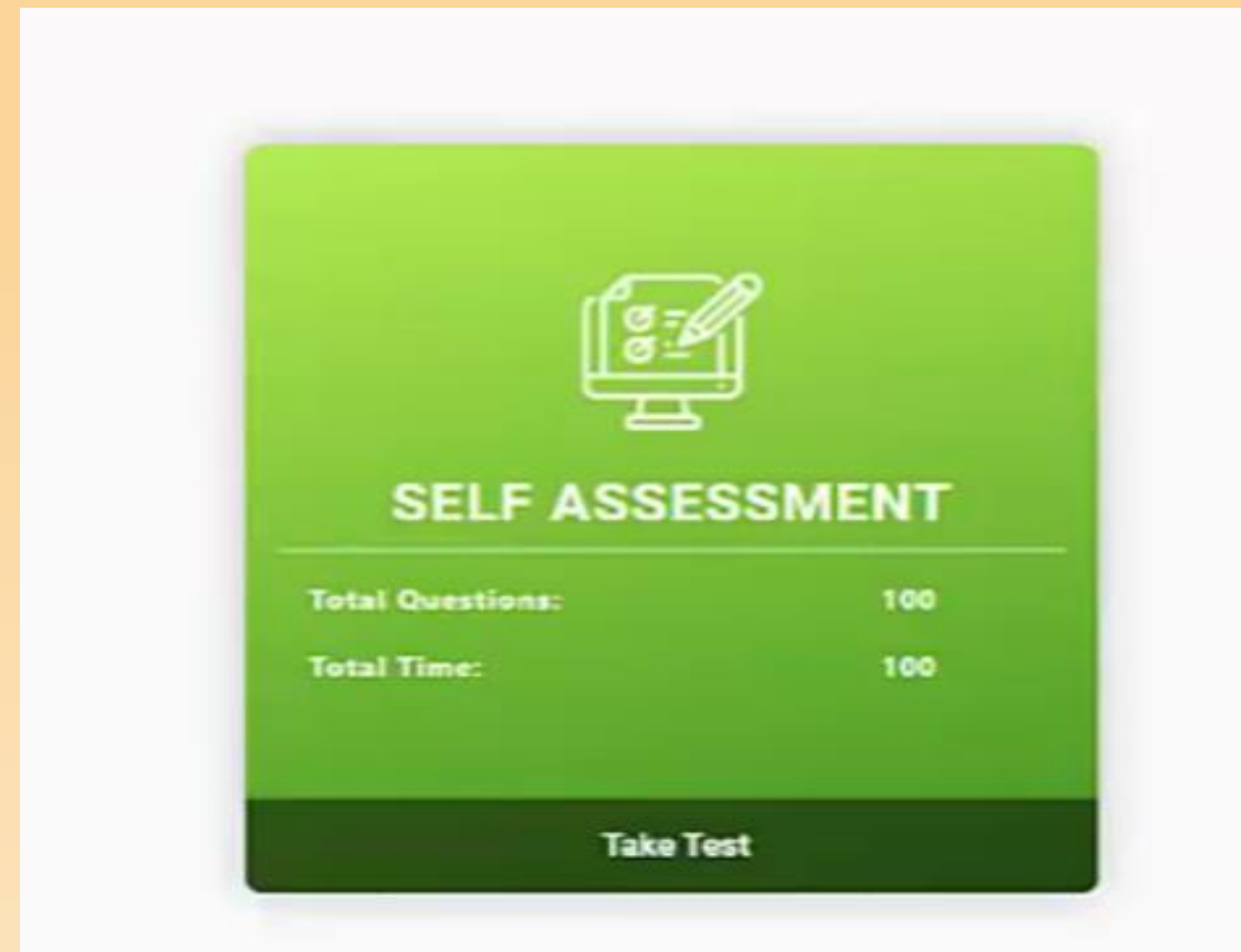
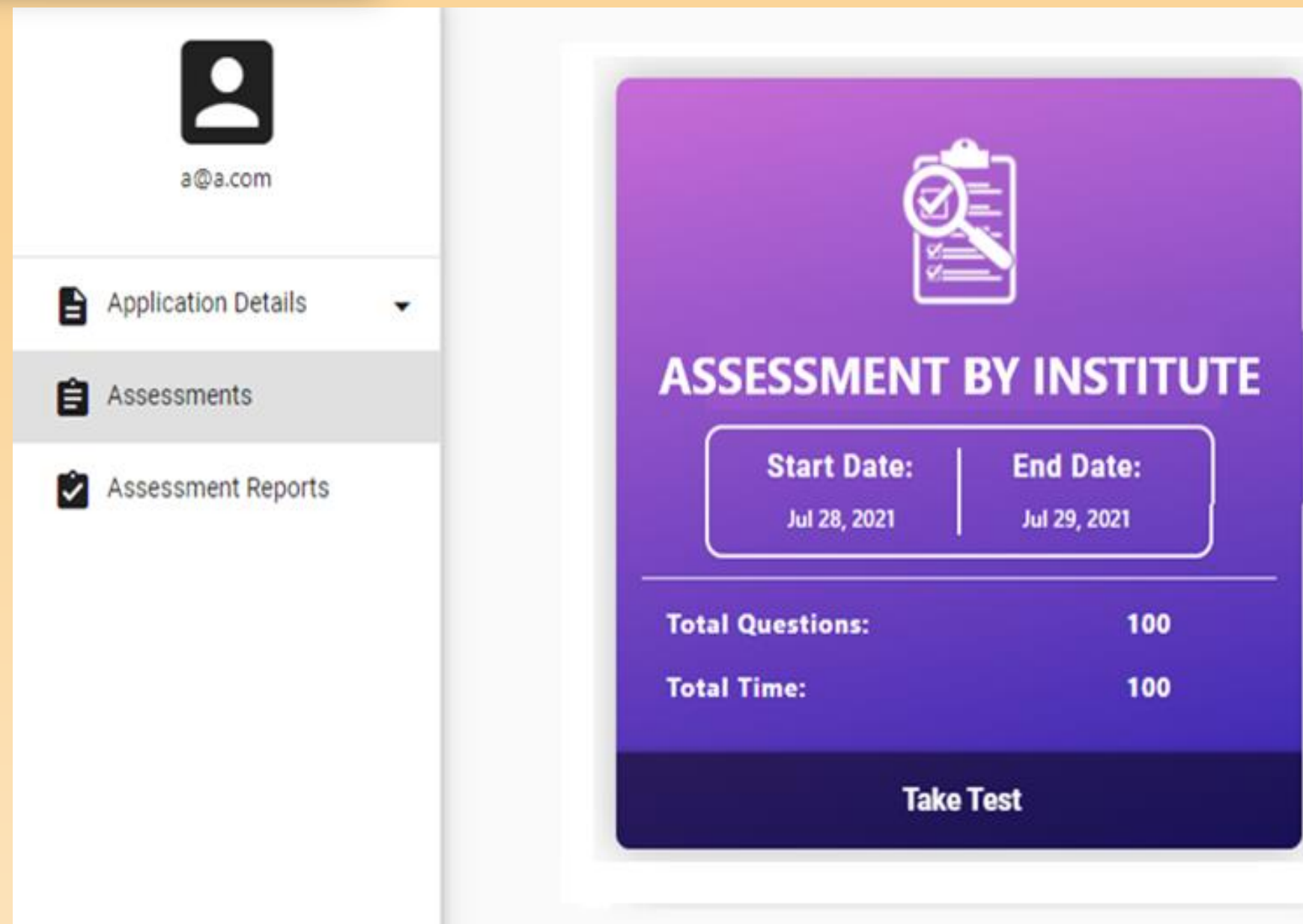
Process Flow



PARAKH is **not an Examination**, its a learner centric **friendly assessment tool**



MODES OF ASSESSMENT



Proctored assessment



Assessment at convenience

GENERAL GUIDELINES BEFORE THE START OF ASSESSMENT

General Guidelines

Select Language: English ☒ Hindi



100 Questions in 100 Minutes

There are 100 question in Assessment and timed with max. 100 minutes. Please make note of your assessment time limits. No breaks allowed during assessment.



Switch off Mobiles

Mobile phones should be switched off during the assessment test.



Sample Question Screen

Click on left image to see in full screen.



Physical/ Digital Resources

During the assessment session any physical/ digital type of resources are not allowed.



Close Irrelevant Tabs & windows

The only tabs and windows open during the session should be those required for the assessment test.



No Copy, Paste, Print content

During the assessment session student is not allowed to copy, paste, print screen or take print of assessment.



Note :

- All questions are compulsory and no negative marking is there.
- In the Engineering assessment you will be remembering, understanding and applying the concepts which you had learned till now.
- In the Aptitude assessment you will be assessed on your ability to handle Physical, Spiritual, Mental, Social and Financial situations.
- Be creative in the aptitude assessment and make your best choice.
- This assessment is not a test and it will help AICTE in improving the Quality of Engineering Education in India.

☐

I have read, understood and will adhere to the Assessment Guidelines. [Click here](#) for Detailed Assessment Guidelines.

START



Student Learning Assessment

AICTE Student Learning Assessment Project

SUBMIT

TopicsEngineering Questions

Time Left: 96m 55s

Question 2 :Topic : Cloud Computing

__ acts as an intermediary that provides connectivity and transport of cloud services between cloud consumers and cloud providers.

☐ Cloud Broker

☒ Cloud Intermediator

☐ Cloud Carrier

☐ Cloud Auditor

Engineering Questions (30) ^

12345678

910111213141516

1718192021222324

252627282930

Emerging Areas Questions (20) v

Aptitude Questions (50) v

Questions for Review (3) v

PreviousClearSkip & answer later (3)Save & Review later (3)Save & Next (5)

✓ Your answer has been recorded.

Future Plan

1. To upgrade question bank to 5 Lakhs questions by 2024.
2. Restructuring of subjects and topics by drawing in experts from related domain in Institutes of High repute /Industries
3. To include Bio-Technology, Chemical Engineering, and other popular branches of Engineering.
4. Separate window to assess the knowledge acquired in Emerging Areas.
5. Explore extending PARAKH to Hotel Management/Design/Planning/Applied Arts & Crafts.

Future Plan *(Continued)

6. To develop PARAKH as the platform for universities/ institutions to assess the knowledge level of students while implementing Multiple-Entry Multiple-Exit
7. PARAKH to be evolved as a mechanism where industries could hire students unbiased and domain specific.
8. Assessment by PARAKH could be made as prerequisite for faculty member for career advancement.
9. PARAKH assessment may carry weightage for students/aspirants seeking funding for start-ups.

Outcome!



Star Rated Comprehensive Analysis of the Students



Identifications **GAPS** in Learning



Regular **Assessment Reports**



Detailed Analysis of Performance



Enable **Policy Makers** to evaluate the global competitiveness of Students



Identification of New Curricular in the system



Identification of **Intervention Points**

Thank You !!!