

Methods of the Assessment of Learning Outcomes and Graduate Attributes

**SAVEETHA INSTITUTE OF MEDICAL AND
TECHNICAL SCIENCES**



Methods of the assessment of learning outcomes and graduate attributes followed at SIMATS

The constituent colleges at SIMATS have clearly formulated drafted the graduate attributes strictly adhering to the guidelines of the respective council. Students are evaluated based on the following criteria ensuring critical assessment of learning outcomes and graduate attributes by following various examination procedures.



The following are the assessment methods used in SIMATS for evaluating the learning outcomes and graduate attributes

EDB/CA Method

Surpassing the traditional examination pattern of using multiple choice questions, at Saveetha dental college, we have introduced fill ups to cultivate conceptual learning

and promote extensive intricate learning among the students. Innovative modes of Concept mapping for holistic understanding of the subject is followed to evaluate the learning outcomes of the course. Such strategies are expected to augment critical appraisal & reflective thinking to foster higher thinking capabilities in students.

Inclusion of Viva voce

The school of law at SIMATS integrated viva voce in the examination first of its kind in India to better assess the students and facilitate understanding and expertise in handling complex situations. Case based learning modules are also followed. GATE training is also followed in engineering school to expose the students to an environment similar to competitive examination and assist in their preparation.

MCQ Module

It is an intensive and comprehensive student training program offered to dental undergraduate students to equip and orient themselves to the competitive postgraduate and licentiate examinations.

Formative and summative assessments

Formative and Summative assessments measure every academic and clinical domain involved in the curriculum ranging from grading the scores in the tests and examinations, grading their research, projects undertaken, extracurricular activities thus enabling a perfect and holistic approach in grading students. At SIMATS, emphasis is given to formative assessment over summative type with a vision of rewarding the hard work invested by students throughout the year rather than assessing the performance in a single examination.

Strong emphasis is placed on formative assessment with the aim to identify the students strengths and weaknesses and the area of improvement. The strong educational policy at SIMATS assists the faculty in recognizing the gaps in understanding among students, where they are struggling and finding ways to improve the performance by addressing the problems in a much sustained manner. Students are graded for their performance in class work, project/research, term paper which constitutes the theoretical basis and they are also evaluated in clinical/laboratory exam which constitutes the practical skills. Altogether, these

parameters are assessed in summative assessment. Such an assessment ensures the students to perform more effectively and efficiently. At SIMATS, the educational system ensures maximum weightage is given to formative assessment rather than summative assessment. It helps students to shape learning by metacognition and to improve their performance. By wrapping the academic sessions with formative assessment, the learning outcomes reach the students with ease.

The following table is the assessment pattern followed at SIMATS across its constituent colleges:

| Program | Summative Score | Formative Score | Total Score |
|-------------------------|------------------------|------------------------|--------------------|
| Medical UG (MBBS) | 300 | 100 | 400 |
| Dental UG (BDS) | 200 | 300 | 500 |
| Dental PG (MDS) | 600 | 3400 | 4000 |
| Engg UG (All Branches) | 200 | 300 | 500 |
| Engg PG | 30 | 70 | 100 |
| Architecture (UG) | 300 | 600 | 900 |
| Nursing UG | 175 | 125 | 300 |
| Nursing PG | 175 | 125 | 300 |
| Law UG | 100 | 100 | 200 |
| Law PG | 100 | 100 | 200 |
| Arts UG | 300 | 300 | 600 |
| Physiotherapy UG | 120 | 180 | 300 |
| Physiotherapy PG | 120 | 180 | 300 |
| Occupational Therapy UG | 100 | 50 | 150 |
| Occupational Therapy PG | 250 | 50 | 300 |

EXIT Module

Saveetha Medical College trains its students in various clinical and academic aspects to empower the students to clear the licentiate and post graduate exams proposed by the Government of India. This training will help them in clearing the other overseas examinations conducted globally.

OSCE/OSPE

Objective Structured Clinical /Practical Examination is a refined grading system that grades every step /answer in written and clinical examination objectively with rubrics calibrated rather than a subjective type of evaluation.

Workplace and Competency based assessment

At SIMATS, a formative assessment for workplace and competency which assess the performance of the students in their clinics and workplaces which enables the students to become better. Clinical Performance of the students in clinics & wards are assessed and patient feedback is obtained in Medical and Dental college hospitals. This will greatly help in transparent and precise assessment of temperament, ethics and behaviour of the students.

Graduate Review Board

Each and every student is required to go through the Graduate Review Board (GRB) wherein they prepare a collective academic, clinical and research work done during their training. All this data compiled together to be made as a book which serves to be valuable data to the students interested in pursuing Higher education or even job opportunities.

Website Link: <https://saveethadental.com/associate-dean-of-clinics>

Self-assessment

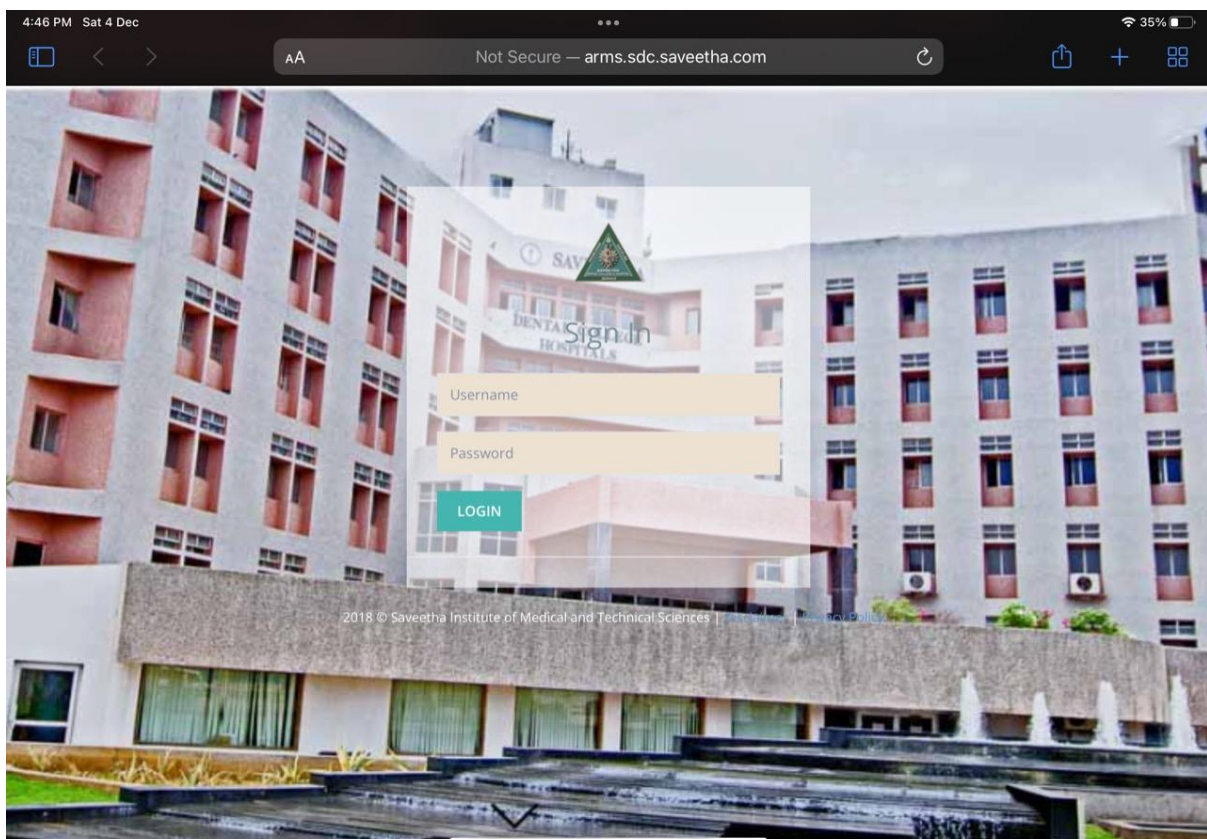
Self-assessment scoring and credentials are done by the students and their periodic assessment by the staff are done to further empower the students in appraising their performance and becoming better.

Assessment Platforms Integrating IT

ARMS

Academic Record Management System (ARMS) is a very versatile and robust software that manages all the academic requirements from attendance, grading, tests, calculation of internal assessment marks along with weightage, generation of hall tickets, no due clearance for examination and declaration of results.

This is an excellent tool to promote metacognition and self evaluation among the student population. All the students have a unique login into ARMS and can track their performance. Their progress throughout the academic year is self monitored and this aids in improving their performance in a more consistent route by understanding the areas requiring improvement. High speed internet access is available in the campus and in the hostel premises which enables students to access these facilities with ease.



Saveetha University | arms.sdc.saveetha.com

Home Course Attendance Examination Financial Record Disciplinary Raise Infra Issue My Profile

HOLIDAY & EVENTS

Today 12/01/2021 Month

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 28 | 29 | 30 | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |

NOTIFICATION

- Asst Dean of on 01/12/2021
Kind attention: UG & PG (very urgent) Kindly fill the Link Immediately .
https://docs.google.com/forms/d/e/1FAIpQLSfG74311vvXzUKq4wuzhpN5B-ZMq1u1-HpUD7F3PGub1ug/viewform?usp=sf_link
- Asst Dean of on 21/11/2021
Kind attention :IV BDS Kindly find the Attachment regarding exam Seating Arrangement(22.11.2021).
[Download](#)
- Asst Dean of on 19/11/2021
Award winners come to MM convention immediately
- Asst Dean of on 18/11/2021
Kind Attention:All Students kindly use the link below to send your social media posts in dentistry on social media handles till date,
<https://forms.gle/khx3nfpb6hEeYPwM6>
- Asst Dean of on 16/11/2021
Kind Attention: All students For Fee Due details kindly check your ARMS.
- Asst Dean of on 13/11/2021
Kind attention Students can come in a uniform for Founders day. Traditional dress/ formal dress

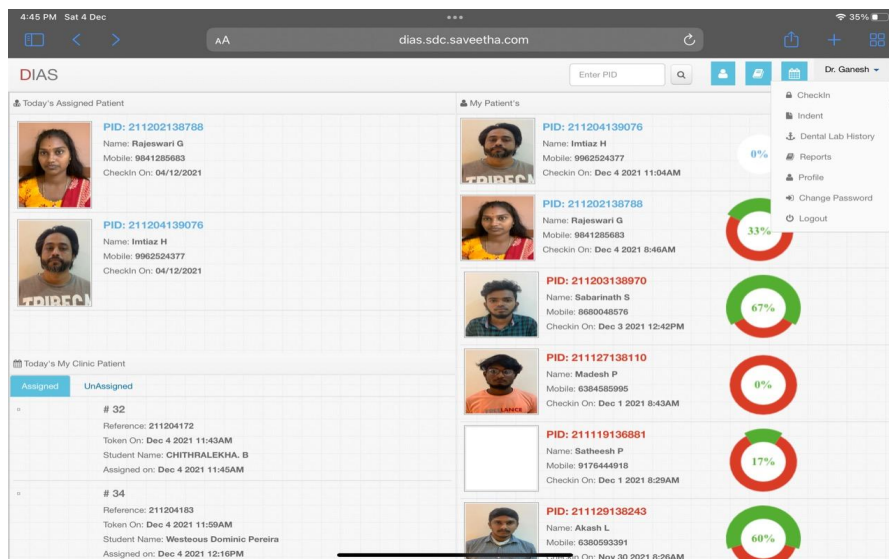
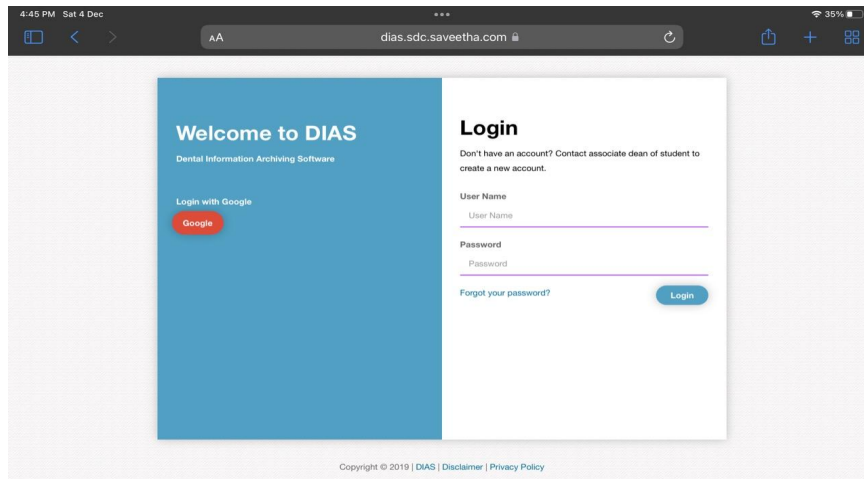
ATTENDANCE CONFIRMATION

Link to ARMS: <http://arms.sdc.saveetha.com/>

DIAS

Dental information archiving software (DIAS) is a clinical management system that records the clinical examination, diagnosis, treatment planning, the treatment given, the grading of treatment procedure, incorporation of all photographic and radiographic records of the patients. This will ensure perfect record maintenance for the patients. The patients records are digitized in DIAS, which collects data on the daily clinical work performed by each student. It provides the data of the number of procedures which facilitates in training the students. All procedures are graded based on the clinical performance of the students. The barriers to clinical work can be recognized from this data and remedial measures can be taken to overcome the same.

The following are the images of the DIAS software followed at saveetha dental college and hospitals.



Link to DIAS: <https://dias.sdc.saveetha.com/>

MOODLE

MOODLE is an online platform that operates on intranet instead of internet. This is used for classwork and examination assessment online. The system is very robust and secure and it can precisely calibrate grades with weighted averages, negative marking, shuffling the questions, randomizing answers in multiple choice questions thus making it fool proof. It is a very and very secure and reliable tool in online examinations. The students undergoing NEXT modules are trained with MOODLE.

VIRSA -Virtual designing

The students are trained in preclinical Prosthodontics and preclinical conservative dentistry and Endodontics in virtual models in VIRSA lab. They are subjected to a practical examination using the same. This is first of its kind in Indian Dental Colleges.



VIRSA facility at Saveetha Dental College

Weblink: <https://saveethadental.com>

Integrating CAD/CAM technology

Computer Aided Designing and Computer Aided Manufacturing are extensively used in the TESSELLATION center at saveetha dental college and hospitals. The students are adequately trained in digital designing and milling of dental prostheses, splints and invisaligns for orthodontic treatment. After multiple training sessions, they are evaluated by a module based examination utilizing the same platform.