

humanoid
systems

CASE STUDY · EDUCATION AND TRAINING



Gurukulam

One training and placement platform for
office, trainers, colleges and students.

Client: Gurukulam · Built by Humanoid Systems · AI-native development



AT A GLANCE

One platform for everyone who touches a training batch, from the first quote to the placement drive.

4

Portals: office, trainers, colleges and students

2

Ways to sell: college batches and individual learners

1

Shared record behind every session, score and fee

Client
Gurukulam

Industry
Education and training

Devices
Desktop and phone

Built with
Firebase, Google Cloud

THE CLIENT

Learn. Grow. Belong.

Gurukulam trains students for their first job, with courses such as Data Analytics, Full Stack Java and MBA Placement Readiness.

Inside colleges

A whole batch of students, trained on campus and billed to the college under a contract.

At its own centres

Individual learners who sign up and pay for themselves, often in instalments.

THE PROBLEM

Training companies usually run on spreadsheets and messages.

The office

Batches, trainers, fees and contracts live in separate sheets, so no one sees what is owed, by whom, and for how long.

Trainers

Attendance on paper, recordings in chat groups and tests marked by hand.

Colleges

Pay for training but get little proof of what changed, and decide placement eligibility from a spreadsheet.

Students

Don't know how close they are to being placement-ready, or what to do next.

WHAT WE BUILT

Four portals, all working from the same records

Office console	Colleges, courses, batches, sessions, students, trainers, fees, payouts, reports and an audit log.
Trainer portal	Sessions, registers, recordings, tests, marking and end-of-training reports.
College portal	A campus war room for training, results, placement eligibility and the college's own placement tools.
Student portal	Classes, recordings, tests, assignments, placement readiness, certificates and jobs, on desktop and phone.

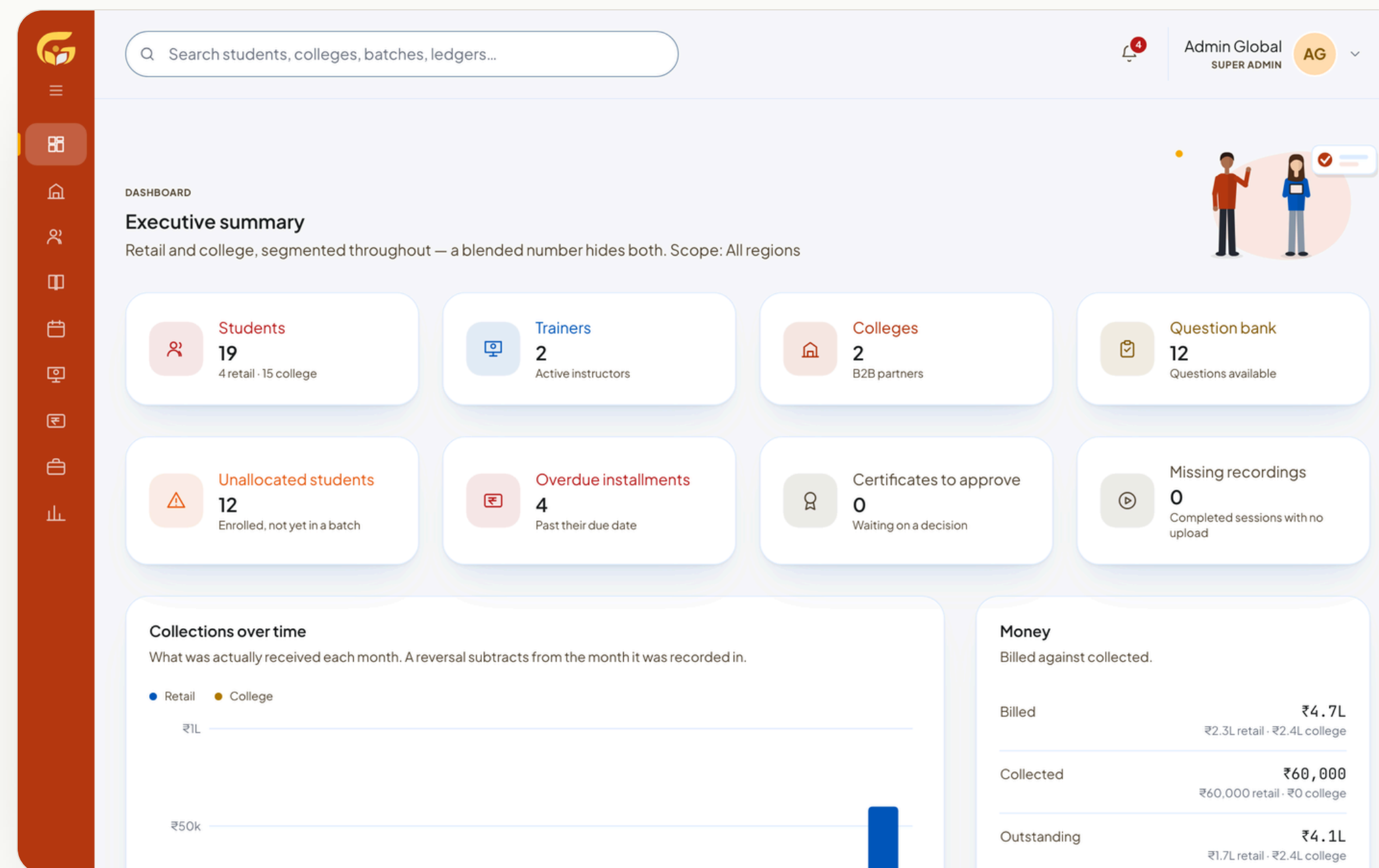
FOR THE OFFICE

One view of the business

Students, trainers, colleges and the question bank at a glance.

What needs attention: unallocated students, overdue instalments, certificates to approve, missing recordings.

Retail and college money kept apart, because a blended number hides both.



The executive summary

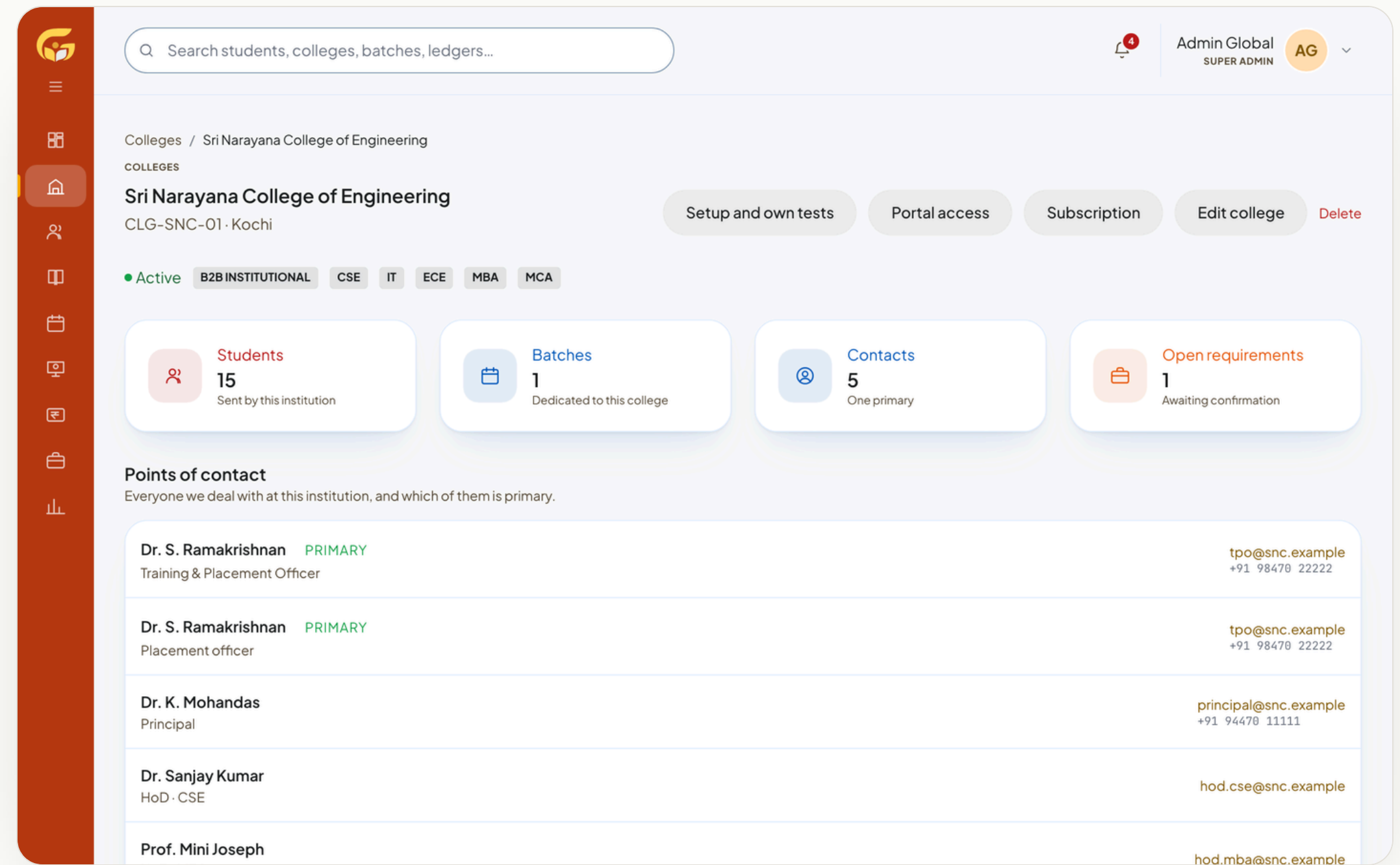
FOR THE OFFICE · COLLEGES

Colleges as relationships, not rows

Each college has its contacts, requirements, students, batches, contract value and portal access.

Colleges raise training requirements;
the office answers with a quote.

Placement tools sold as a subscription,
with a plan, a term and seats.



A college record

FOR THE OFFICE · BATCHES

Batches, sessions and trainers

A course is a set of topics; a batch runs it on a schedule with a trainer, a room or link, and a roster.

Trainer availability is worked out from committed sessions and declared leave.

The office never books a trainer who is away.



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Search students, colleges, batches, ledgers...

🔔

4

Admin Global

SUPER ADMIN

AG

▼

Batches / BTC-DA-OCT-A

BATCHES

SNC Data Analytics, Oct 2026

BTC-DA-OCT-A · Data Analytics Masterclass · starts 9 Oct 2026

Add session

Upload sessions

Export sessions

Edit batch

Delete

● In progress

COLLEGE

Sri Narayana College of Engineering

OFFLINE

TECHNICAL TRACK

KOCHI

SNC Block C · Lab 2

📅

Sessions

4 / 12

Delivered of scheduled

👤

Students

3 / 45

Enrolled of the seat cap

👤

Trainer

Rekha Iyer

Confirmed

🕒

Runs

9 Oct 2026

until 27 Nov 2026

Session schedule

A session must be marked complete before assignments can be set against it — completion is a deliberate act, not a date passing.

SESSION	TOPIC	DATE	TIME	ROOM / LINK	STATUS			
1. Excel basics SES-DA-OCT-A-01	Excel basics	9 Oct 2026	10:00–12:00	SNC Block C · Lab 2	● Completed	Register	Recording ✓	Reopen
2. Excel basics: practice SES-DA-OCT-A-02	Excel basics	12 Oct 2026	10:00–12:00	SNC Block C · Lab 2	● Completed	Register	Recording ✓	Reopen
3. SQL for Analysts SES-DA-OCT-A-03	SQL for Analysts	14 Oct 2026	10:00–12:00	SNC Block C · Lab 2	● Completed	Register	Recording ✓	Reopen
4. SQL for Analysts: practice SES-DA-OCT-A-04	SQL for Analysts	16 Oct 2026	10:00–12:00	SNC Block C · Lab 2	● Completed	Register	Recording ✓	Reopen

A batch and its session schedule

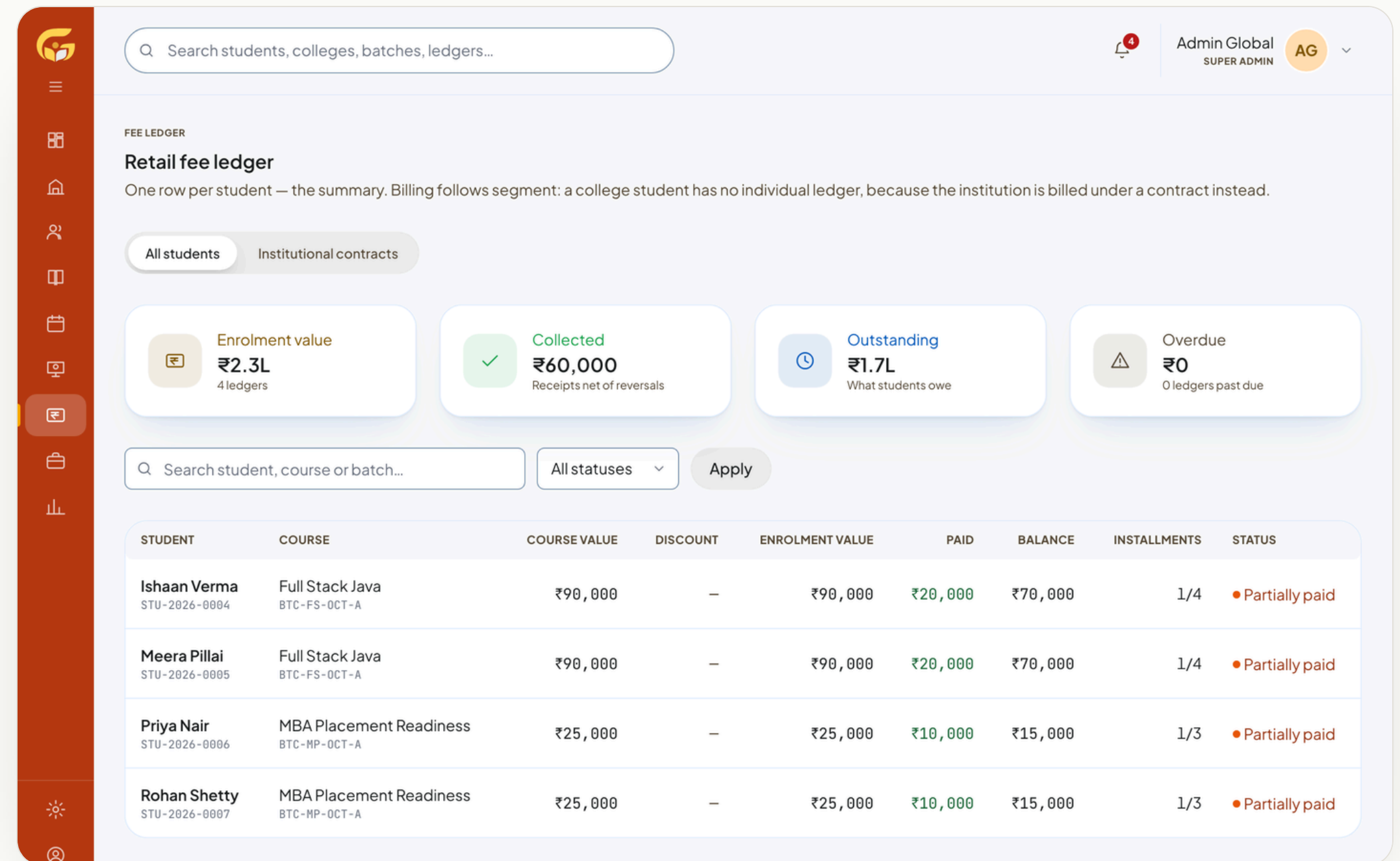
FOR THE OFFICE • MONEY

Fees, payouts and reports

Retail students pay in instalments; colleges are billed under their contracts.

Freelance trainers are paid per session, approved by finance, with TDS recorded.

A reports library: outstanding and ageing, daily collections, instalment forecasts and more.



FEE LEDGER

Retail fee ledger

One row per student — the summary. Billing follows segment: a college student has no individual ledger, because the institution is billed under a contract instead.

All students Institutional contracts

Enrolment value
₹2.3L
4 ledgers

Collected
₹60,000
Receipts net of reversals

Outstanding
₹1.7L
What students owe

Overdue
₹0
0 ledgers past due

Search student, course or batch... All statuses Apply

STUDENT	COURSE	COURSE VALUE	DISCOUNT	ENROLMENT VALUE	PAID	BALANCE	INSTALLMENTS	STATUS
Ishaan Verma STU-2026-0004	Full Stack Java BTC-FS-OCT-A	₹90,000	—	₹90,000	₹20,000	₹70,000	1/4	● Partially paid
Meera Pillai STU-2026-0005	Full Stack Java BTC-FS-OCT-A	₹90,000	—	₹90,000	₹20,000	₹70,000	1/4	● Partially paid
Priya Nair STU-2026-0006	MBA Placement Readiness BTC-MP-OCT-A	₹25,000	—	₹25,000	₹10,000	₹15,000	1/3	● Partially paid
Rohan Shetty STU-2026-0007	MBA Placement Readiness BTC-MP-OCT-A	₹25,000	—	₹25,000	₹10,000	₹15,000	1/3	● Partially paid

The retail fee ledger

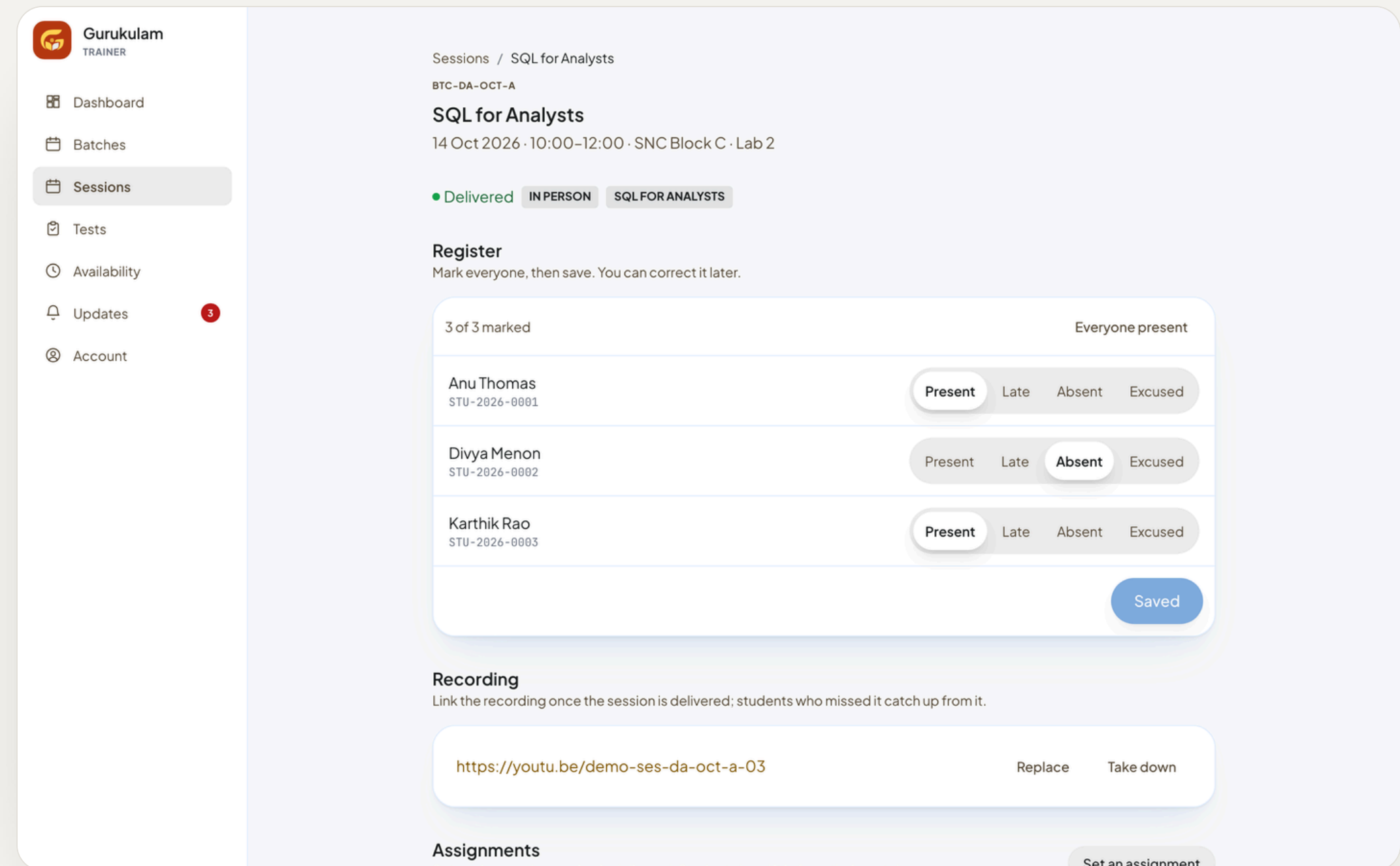
FOR TRAINERS

Teaching, not paperwork

Trainers sign in with their mobile number and see what they teach next.

Mark the register: present, late, absent or excused.

Link the recording so absent students catch up, and set an assignment.



A delivered session

FOR TRAINERS · TESTS

Tests that teach the trainer something

Pre- and post-assessments and class quizzes, built from the question bank.

Multiple choice, fill in the blank, multi-select, coding and written questions.

Item analysis shows how hard each question was and how well it separated students.


Gurukulam
TRAINER

Dashboard

Batches

Sessions

Tests

Availability

Updates 3

Account

Tests / Pre-assessment · BTC-DA-OCT-A

TESTS

Pre-assessment · Data Analytics Masterclass

BTC-DA-OCT-A · Pre-assessment · 9 Oct, 09:00 am → 9 Oct, 06:00 pm

Closed

Questions

Results · 3

Item analysis

#	QUESTION	ANSWERED	AVERAGE SCORE	DIFFICULTY	SEPARATES STRONG FROM WEAK	AVERAGE TIME
1	Which clause filters rows after grouping? Multiple choice · SQL for Analysts	3/3	67%	Moderate	Needs 4+ attempts	1 min 9 s
2	Which keyword removes duplicate... Fill in the blank · SQL for Analysts	3/3	33%	Moderate	Needs 4+ attempts	54 s
3	Which of these change a cell... Multi-select · Excel basics	3/3	33%	Moderate	Needs 4+ attempts	48 s
4	Read a line of space-separated numbers... Coding · Python for data	3/3	67%	Moderate	Needs 4+ attempts	6 min 45 s
5	Explain when you would use a bar char... Subjective · Dashboards	3/3	20%	Hard	Needs 4+ attempts	4 min 8 s
	Which statement					

Item analysis of a pre-assessment

FOR TRAINERS · REPORTS

The end-of-training report

At the end of a batch, the trainer writes remarks and sends the report to the office.

The office reviews it and publishes it to the college.

A later change becomes a new version, and the college is told.


Gurukulam
TRAINER

Dashboard

Batches

Sessions

Tests

Availability

Updates 3

Account

Batches / BTC-DA-OCT-A / Report

BATCHES

End-of-training report

Published to the college · version 1

Download PDF

BTC-DA-OCT-A · Data Analytics Masterclass

Your remarks on the batch

A motivated group. SQL improved the most; Excel lookups were already strong. Dashboard design needs more practice: two students should repeat the dashboards module before placements.

What went well, where the group needs more work, and anything the college should know. The college reads this.

Save remarks

Send the changes to the office

Data Analytics Masterclass

Sri Narayana College of Engineering · Batch BTC-DA-OCT-A · 9 Oct 2026 to 27 Nov 2026 · Trainer Rekha Iyer

Students 3 4 of 12 sessions delivered	Average attendance 75% Course minimum 75%	Assignments handed in 0% 2 set	Eligible for a certificate 0 of 3
Pre-test average 45.6%	Post-test average 70.2%	Average improvement +24.5 points 3 took both tests	Feedback rating 4.3 / 5 3 answers

Topics, pre and post

The trainer's end-of-training report

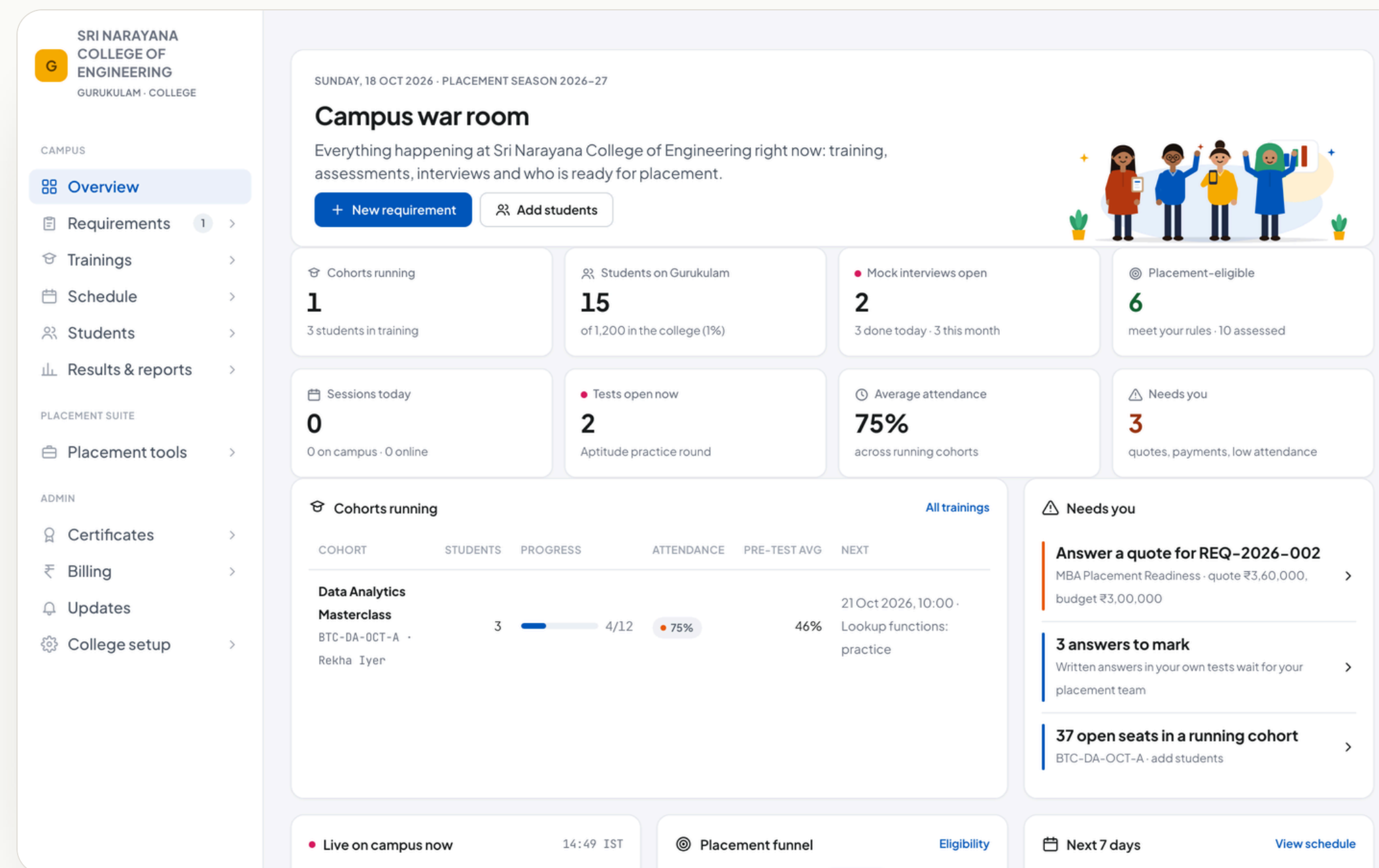
FOR COLLEGES

The campus war room

Cohorts running, students on Gurukulam, mock interviews open and who is placement-eligible.

Average attendance across running cohorts.

What needs the placement cell: a quote to answer, answers to mark, open seats.



The college overview

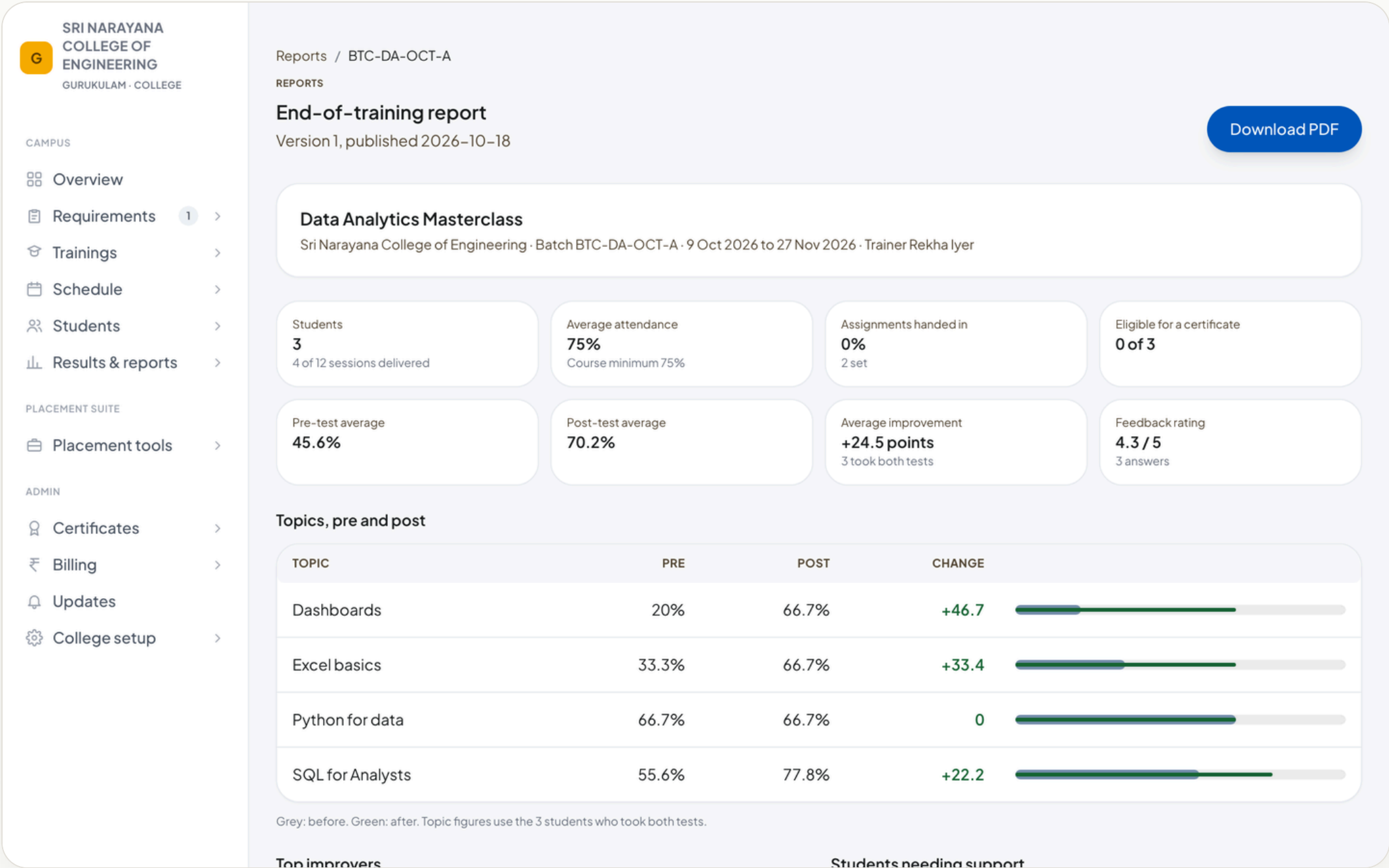
FOR COLLEGES · PROOF

Proof that the training worked

A published report for every batch: attendance, assignments, pre- and post-test averages.

The improvement on each topic, top improvers and anyone who needs support.

Downloadable as a PDF; every score for every student one click away.



An end-of-training report

FOR COLLEGES · PLACEMENTS

Eligibility, by the college's own rules

The placement cell sets minimum CGPA, backlogs, training attendance and readiness.

See who is eligible today, by department, and why the others are not.

Invite exactly the right students to a test or a drive.


**SRI NARAYANA
COLLEGE OF
ENGINEERING**
GURUKULAM · COLLEGE

CAMPUS

Overview
 Requirements 1
 Trainings
 Schedule
 Students

Dashboard
 All students
 Add a student
 Upload a spreadsheet
 Placement eligibility

Results & reports

PLACEMENT SUITE
 Placement tools

ADMIN
 Certificates
 Billing
 Updates
 College setup

Students / Placement eligibility

STUDENTS

Placement eligibility

6 students meet all your rules today, out of 15. Training cohorts are not needed: tests your placement cell publishes count too.

Edit rules
 Invite eligible to a test

Your rules

CGPA 6.5 or more
 Active backlogs None
 Training attendance 75%+ (only if in a cohort)
 Readiness score 55 or more

Why students are not eligible

Not assessed yet 4
 CGPA below the minimum 3
 Readiness score 1
 Backlogs 1

By department

DEPARTMENT	STUDENTS	ASSESSED	ELIGIBLE
CSE	5	5	3
MBA	3	0	0
ECE	3	1	0
MCA	2	2	1
IT	2	2	2

Eligible students 6

Open in student list

STUDENT	DEPT · YEAR	COHORT	CGPA	READINESS	MOCK INTERVIEW
Fathima Rahman STU-2026-0009	CSE	—	9.1	75	—
Lakshmi Iyer STU-2026-0014	MCA	—	8.5	75	—
Nikhil Joseph STU-2026-0010	IT	—	7.4	75	—

Placement eligibility

Gurukulam · Humanoid Systems case study

15

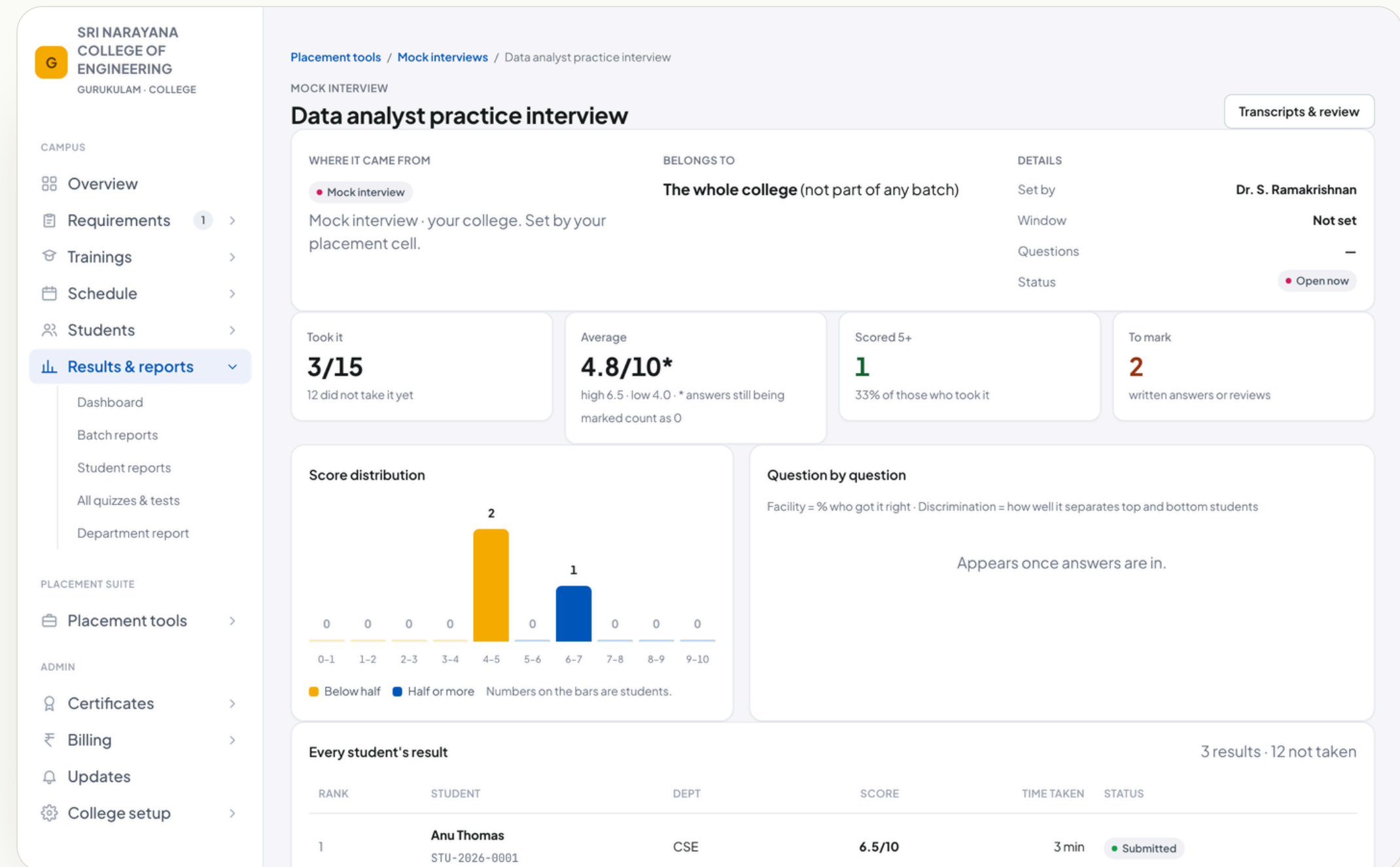
FOR COLLEGES · PLACEMENT TOOLS

The college's own placement tools

Run aptitude tests and coding rounds, and track company drives and offers.

A JD library whose keywords feed the mock interviews.

AI mock interviews scored on one five-point rubric, with every transcript open to review.



AI mock interviews

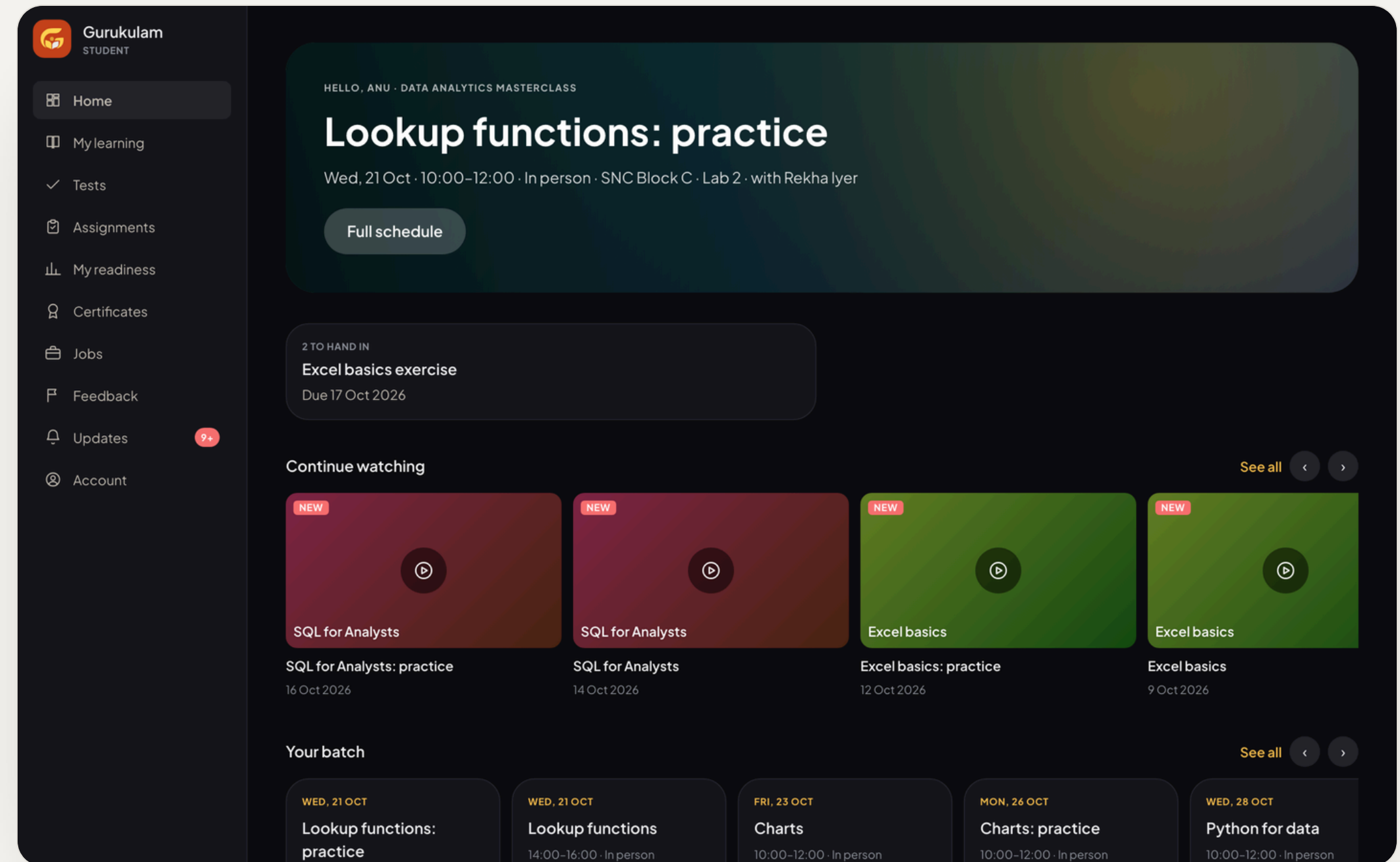
FOR STUDENTS

Everything in one place

Students sign in with their mobile number.

The next class, work to hand in, recordings to catch up on and the rest of the batch.

Ships in a dark theme, with certificates and a jobs board.

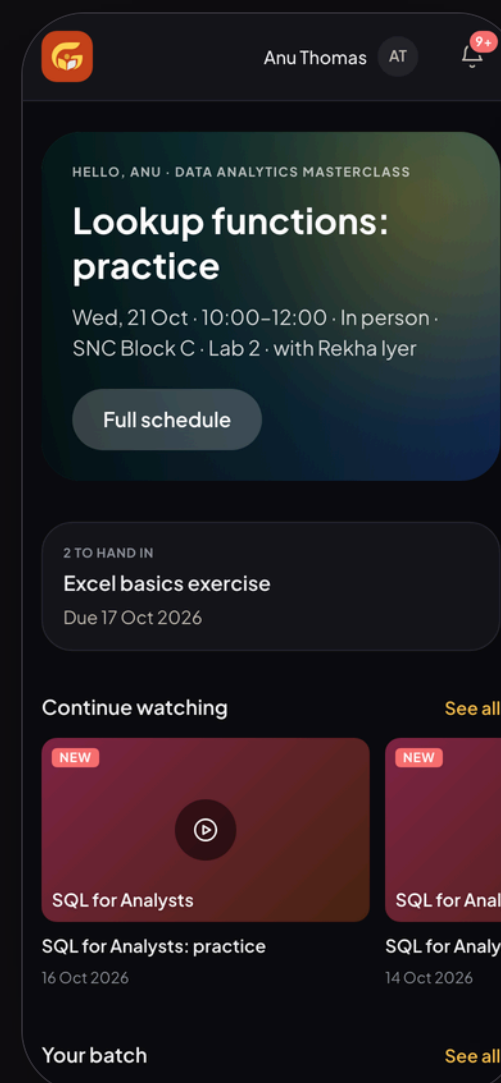


The student home

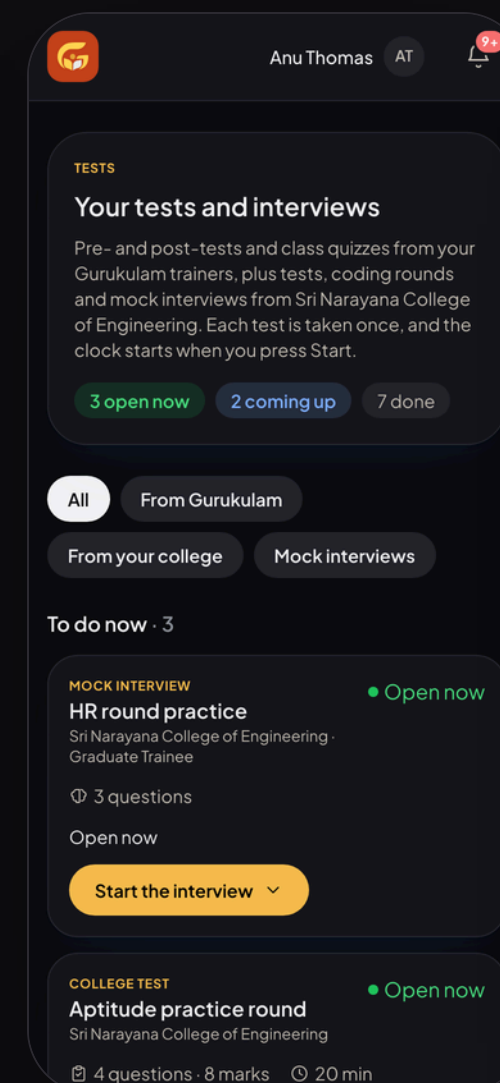
FOR STUDENTS · ON THE PHONE

Built for the phone in every pocket

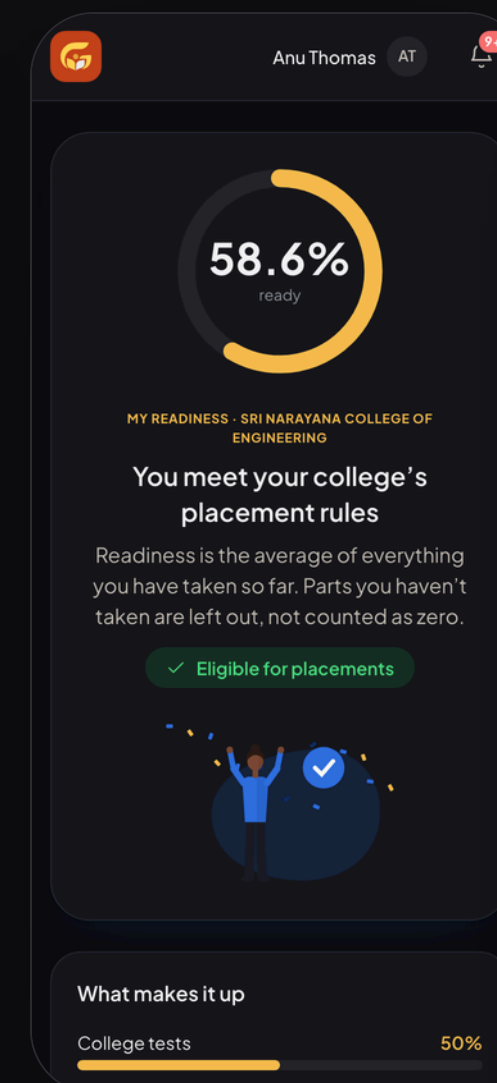
The same portal at phone width: classes, tests, readiness and recordings, wherever the student is.



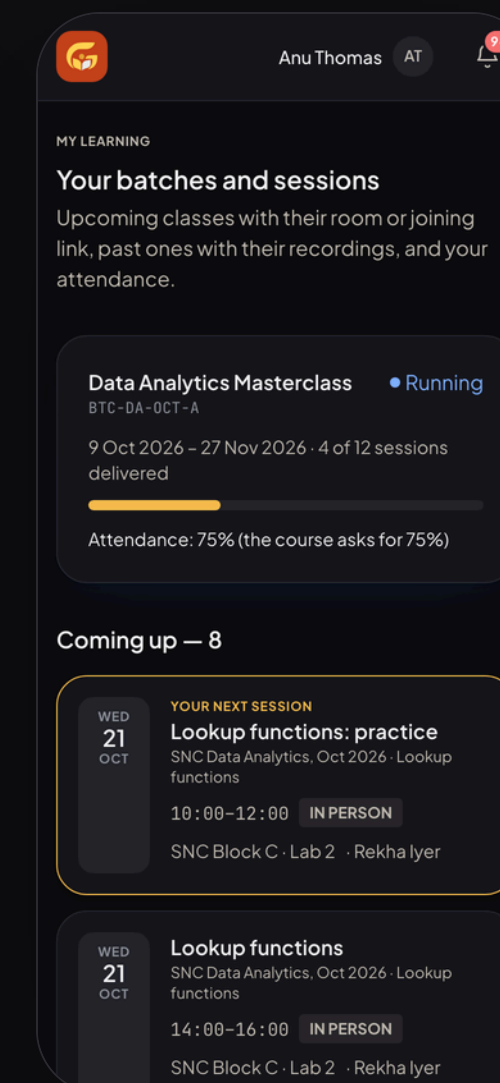
Home



Tests



Readiness



My learning

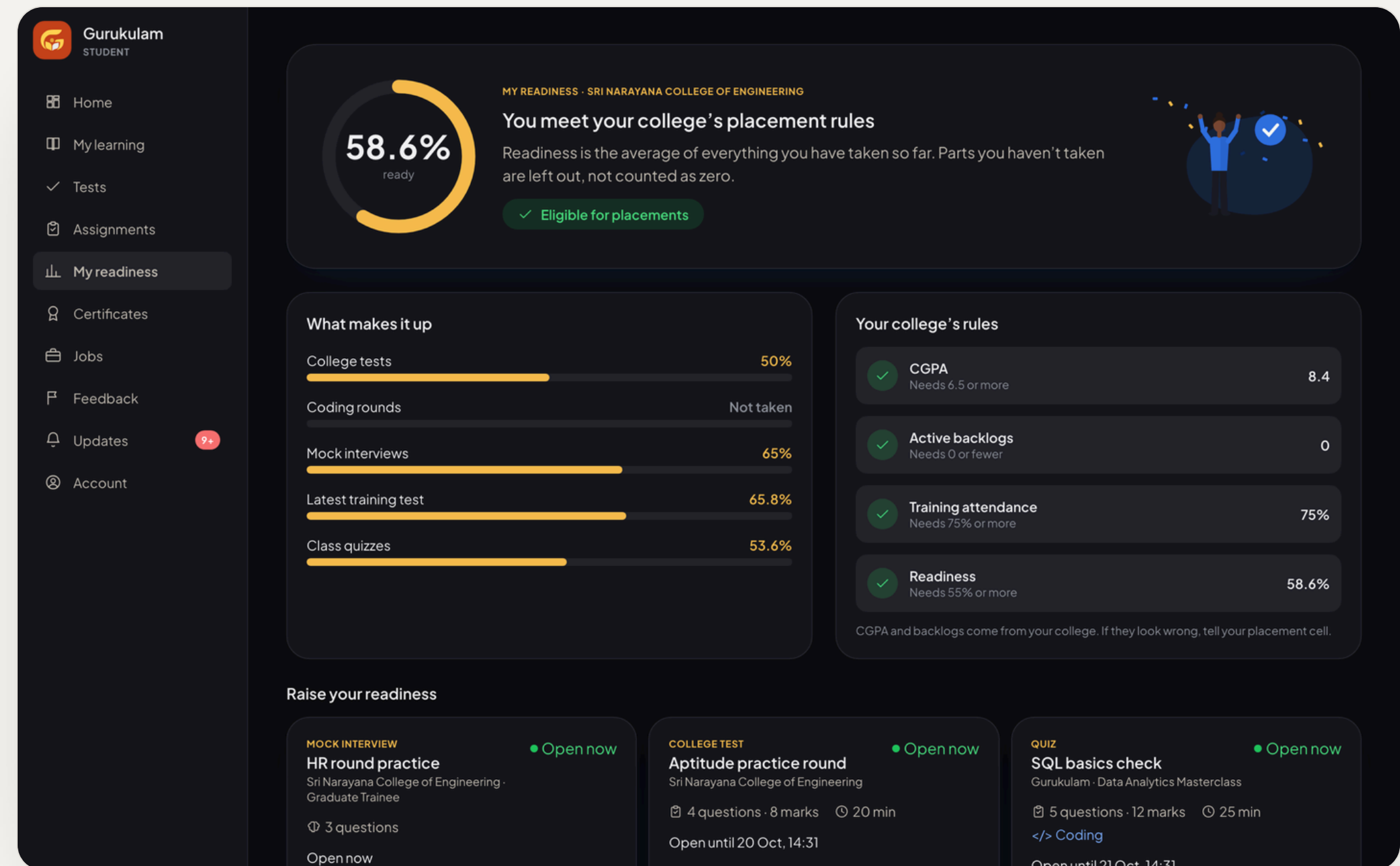
FOR STUDENTS · READINESS

Know how ready you are

Readiness combines college tests, coding rounds, mock interviews, training tests and quizzes.

Checked against the college's placement rules: CGPA, backlogs, attendance and score.

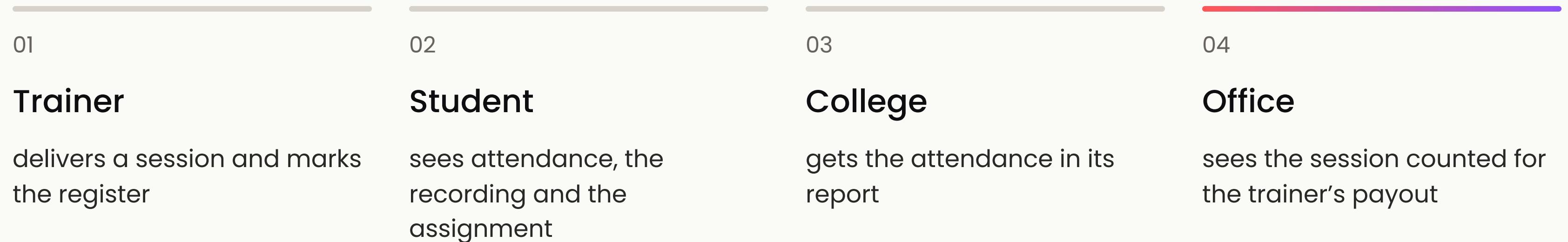
Shows which open tests and interviews would raise it.



Placement readiness

ONE RECORD FOR EVERYONE

A session delivered once updates every portal.



Every person sees only what their role allows, and every change is written to an audit log that cannot be edited.

HOW WE BUILT IT

AI-native development on Google Cloud

Four portals, one record

Built with AI-native development on Firebase and Google Cloud, with sign-in by mobile number for trainers and students.

Portals	Office, trainer, college, student
Devices	Desktop and phone
Platform	Firebase
Cloud	Google Cloud
AI	Mock interviews

Training people for work? Let's build your platform.

Start a project

start@humanoidsystems.in · +91 99 727 64782