

## Technical Specs Overview

### ACCESS SPECIFICATIONS

Website: Personalised website for the institution as a gateway where learners can access the online learning platform.

Zero Data Cost: Zero rated learning platform where students, lecturers, HOD and college staff do not incur data cost to teach, learn and interact online.

Mobile learning platform: Platform can be accessed through any smartphone and tablet device.

Offline access: Offline access to content through Mobile and Desktop Application

### ENGAGEMENT SPECIFICATIONS

Audio Calls to Mobile phone: Lecturers can dial students' cell phones from the platform and access the record of the call later without incurring airtime cost.

Video Calls/ Live Class no data cost: Video calls from the lecturer to students with ability to conduct group video calls and live online classes without incurring data cost.

Live Chat: Live chat where students and lecturers can exchange instant messages just like they would on modern Social Media Platforms.

Inbox: Inbox where students can exchange messages with their classmates, lecturers, support agents and coaches.

Newsfeed and forums: Shared Newsfeed and forums where students can engage in conversations and share content, multimedia files, articles, etc. with their classmates, their lecturers and students studying the same subjects at other TVET Colleges.

Resource based conversations: Comment functionalities for each study resource where students can have conversations with each other and their lecturers on a specific content such as videos, textbook pages, slides, questions, etc.

Assignment and project forums: Comment and multimedia sharing tools where lecturers and students can have conversations on a specific assignment/project and share resources.

### ASSESSMENT SPECIFICATIONS

Online submission and marking of assignments and projects

Marking and uploading students' tests and examination documents

Automated calculation and reporting of students' progress marks across all assessments including examinations, practical sessions and tests

**Outcome Analysis:** Reporting on students' performance per assessment, including analysis of their performance for each outcome in practical sessions, examinations or tests as well as performing group performance analysis of marks and outcomes.

**Online Assessment Analysis:** Automatically analyse students' performance for each outcomes of the modules and report the analysis to lecturers by specifying areas they need to focus on in the classroom.

**Online Assessment Result Automation:** instant results, compare their answers with the correct answers, share their results with classmates and ask classmates/lecturers for help when required.

**Online Examination:** Ability to perform remote examination through data free online assessment functionalities with Artificial Intelligence proctoring that monitors the student's device, behaviour and environment to ensure exam integrity.

### MONITORING TOOLS SPECIFICATIONS (for HODs and SMT)

**Daily Activities Tracking Dashboard:** tracking lecturers' productivity by analysing the days and times they are most active and all activities they do when they are most active such as videos they watch, lessons they covered in class, content they develop, etc.

**Academic Support Tracking:** Dashboards that gives reports on which students have not been attended to by the lecturer, how many follow-ups, help requests and call requests are pending or have been completed. Tracking and follow-up technology for students displaying irregular study behaviour (dropping out, skipping, taking long, multiple attempts, etc.)

**Administrative Duties Tracking:** viewing assignments, projects, tests, practical sessions and examinations lecturers still need to mark and how many have already been marked. Analysis that flags work that have not been marked within the specified deadlines.

**Study Plan Tracking:** viewing the study plan of each lecturers that details when which module is going to be covered, which modules have already been covered and where students are in the flipped classroom pedagogy cycle.

**Risk Analysis:** viewing how many students have been flagged as risky students (these are students who are at risk of failing the semester based on their study behaviour or socioeconomic challenges)

**Lecturer Rating:** instant update on lecturer ratings (discipline, professionalism, support, teaching style, etc.) based on students reviews and engagement on the platform. Lecturer to student Call Quality Analysis through ratings and recording.

### SUPPORT TOOLS SPECIFICATIONS

**Help Requests Alert and Escalation:** Ability for students to ask for help whenever they do not understand a specific content such as a video, specific page, slides, etc. and the help request instant alert to lecturers. Escalation to HODs when lecturers do not support on time.

**Follow up Alert and Escalation:** Automated follow-up trigger on the lecturer's dashboard when students display irregular study behaviour such as dropping out when studying a specific content, missing attendance of online lectures, failing to complete modules within allocated timeframe; attempting to study same content multiple times unsuccessfully, not understanding and skipping specific content, etc.

**Automated Support Call Scheduling:** Automated scheduling of calls with the lecturer when students request for a call on their portal and ability for lecturers to dial students directly on their cell phones from the platform.

## CONTENT SPECIFICATIONS

**Default Interactive Content for all subject:** Online Course content, this includes an automated learning guide, robot advisors, learning activities or exercises, step-by-step solutions, an explanation/illustration of concepts, slides and videos, interactive written course content

**eBook Content from Publishers:** Textbook content from accredited publishers

## JOB PLACEMENT SPECIFICATIONS

**Job Placement:** work placement functionalities that can be used to match skills students acquired while they were learning with employers' skills requirements. This functionality enables institutions to link exiting students to potential employers and track how many students have been employed.

**Employers portal:** Portal allowing companies across the country to source and recruit for multiple roles in one place. Ability for employers to access 360-degree view of students from theoretical knowledge data to practical skills proficiency and academic performance analysis.

**Job Portal:** Real time update to college officials on student recruitment by employers for internship, full time jobs, apprenticeship, etc.

## MENTAL HEALTH SPECIFICATIONS

**Therapist Portal:** Real time data collection on students and ability to screen, analyse screening data and provide personalised mental health support to students via video conference and audio calls.

**Student Screening:** Screening and mental health counseling tools for students that enables students to receive personalised support from trained therapists in real time at no data cost.

## INDICATIVE STUDENT POPULATION

2019	2020	2021	2022	2023	2024
6744	8538	6554	8680	8778	9074

## Pricing Table

No	Specification	Price (All-inclusive) (incl. VAT)
1	Access	R
2	Engagement	R
3	Assessment	R
4	Monitoring tools	R
5	Support tools	R
6	Content	R
7	Job placement	R
8	Mental health	R
9	<b>TOTAL BID PRICE (ALL-INCLUSIVE)(INCLUDING VAT)</b>	R