ASSAM DON BOSCO UNIVERSITY

Tapesia Gardens, Kamarkuchi, Sonapur – 782 402, Assam, INDIA

Ref. No: F. 23/ZG/24-004 dated 10 October 2024

Notification

Subject: ASSESSMENT CRITERIA FOR OFFERING ONLINE PROGRAMMES THROUGH NON-SWAYAM LEARNING PLATFORM

I. Provisions:

Learning Platform, other than SWAYAM, used for delivery of online programs are assessed by a Technical Expert Committee duly constituted by the Commission and the learning platform broadly has the following provisions:

S.NO	Provisions	Details	Compliance & Availability (Yes/ No)
01	User and Course Management	**User Management:** Role-based authentication, User Registration, User Profiling along with the personalized dashboard. User's activities analytics. Learning Management System should have an Application Programming Interface, Integration facility to integrate with external applications/ tools	Yes
		Course Content Management: Learning Management System must support all types of files (PDFs, docs, MP3s, MP4s, etc.) and e-Learning formats, and data collection capabilities.	Yes
		Capability for Personalized Learning Experience: The platform should allow creating personalized learning paths along with criteria that are necessary to be met before they move on to the next content	Yes
02	Collaboration and Communication	The platform is able to foster communication and peer-to- peer interaction among learners with features such as online chats, discussion forums, user groups, built-in messenger, etc.	Yes
03	Assignment and Quiz Management	Self-assessment creation (assignment, quiz), announcement. It shall support all types of Questions (Multiple Choice questions, True and False, Matching subjective short and long questions, etc.).	Yes
04	Accessibility across Devices and Mobile Learning	Learning Management System shall allow its learners to access courses on different devices, i.e., Personal Computers, Laptops, tabs, or smartphones	Yes
05	Security and Privacy	As the Learning Management System holds personal records of learners' it is important to ensure that the Learning Management System has privacy controls, protected logins, and utilizes secure server locations to keep users' data safe.	Yes

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II. Parameters for Assessment of Online Platform:

The institute ensures the assessment of a non-SWAYAM platform by the technical Expert Committee that shall be broadly based on the following parameters, along with any other criteria as notified by the Commission from time to time:

S No.	Criteria	Availability
1	User-friendliness	• Engaging, intuitive UI/UX for seamless navigation and user satisfaction. • Fully responsive design ensuring flawless performance across desktops, tablets, and mobiles. • Lightweight frontend optimization enabling smooth access in low-bandwidth environments. • 4Q-aligned curriculum integrating multimedia, assignments, tutorials, live classes, and case studies.
2	Content Storage and Management provisions	• Advance studio and production facilities on campus for high-quality online education content creation. • Secure cloud storage via AWS Mumbai with disaster recovery (DR) replication for fast, reliable, and redundant data access. • High-performance content delivery through Amazon CDN, leveraging global edge locations for seamless video streaming. • Robust backup and archival of pre- and post-production content in the university's data storage for disaster recovery compliance.
3	Synchronous Interaction provisions (video/audio conferencing, live chat, etc.)	• Real-time synchronous interaction through integrated video/audio conferencing, live chat, and virtual classroom solutions. • Seamless text-based communication via an interactive chat widget, enabling student-to-university and peer-to-peer discussions. • Live virtual classrooms for immersive, instructor-led sessions with high-quality audio/video streaming.
4	Asynchronous Interaction provisions (Discussion Forum, Blogs, Wikis, etc).	• Dynamic discussion forums enabling structured academic discourse between students and faculty. • Personalized blog spaces for students and instructors to share insights, resources, and reflections. • Collaborative wikis for department- and course-specific knowledge bases, editable by authorized users. • Dedicated query forums for resolving academic doubts through threaded discussions.

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5	Learner engagement provisions (interactive content, activity management, group projects).	• Mentoring System in Place, with Mentor- Mentee Interaction • Personalized Learning using AI & ML to identify learning gaps, and aid students to put in efforts the right parts of the courseware • Student Community features such as chat and forum for Group Projects. • Award Badges for various metrics achieved, such as videos watched, hours logged in etc. on platform to encourage students to remain engaged.
6	Peer group interaction provisions (social media integration, group activity, breakout rooms, etc.).	• Peer Group Interaction, based on Program enrolment and course enrolment (Cross Program), via chat systems and forum systems, as well as social media-based forums • Students encouraged to contribute to the ADBU Learning Community and to interact within using groups online.
7	Learning Communities/ Research forums	• Students encouraged to use Learning Communities and Forums such as Google scholar, Microsoft Academic, Google Books etc. • Integration with SWAYAM as allowed.
8	Adaptive learning provisions (skill gap analysis, personalized content)	• Intelligent Learning Analytics System that continuously maps each student's knowledge strengths and weaknesses across course modules • Dual Assessment Integration combining self-evaluation quizzes with faculty-graded assignments to pinpoint precise skill gaps • Dynamic Content Recommendation Engine that suggests personalized learning materials (videos, readings, practice sets) based on identified needs • Comparative Performance Dashboard showing individual progress against:
9	Provision for grouping the learners with different mentors	• 1 mentor to be assigned for 250 learners as per the regulations • Initial Mentors Identified for the entire list of Programs. • Dashboard and Login to appropriate tools for Student tracking & communication available
10	Dashboard options for all the stakeholders	• Dashboards available for all levels of stakeholders -Learners, Administrative Staff, Program Coordinators, Course Coordinator, Mentors with Unique User id and Password • Dashboards with access to Important Metrics, Recent events, and required short links to tools etc.
11	Proctored examination methodology	• **Hybrid AI-Proctored Examination System** Combining *on-site center monitoring* (live video surveillance + invigilator mobile apps for ID/biometric checks) with *online proctoring* (AI-driven webcam/screen recording + behavioral analytics) to ensure exam integrity across all modes. • **Smart Monitoring & Fraud Prevention** Advanced *computer vision AI* detects suspicious activities (eye movements, unauthorized devices) during online exams while *blockchain-secured recordings* create tamper-proof audit trails for all sessions, whether physical or remote. • **Regulatory-Compliant Secure Infrastructure** UGC/NAAC-aligned system featuring *role-based access control*, military-grade encryption, and AWS-powered scalable servers

		supporting 10,000+ concurrent exams with zero latency disruptions. • **End-to-End Examination Ecosystem** From *pre-exam biometric authentication* to *real-time invigilator dashboards* (showing alerts/analytics) and *post-exam reporting* (individual incident logs + cohort performance benchmarking). • **Automated Operational Excellence** Self-service portals for students, AI-generated malpractice reports, and 24/7 technical support reducing administrative workload by 40% while maintaining 95%+ exam integrity rates.
12	Examination support- Multiple choice and Long/ Short answers	• Flexible Multi-Format Assessment Platform The system supports complete exam lifecycle management, handling both objective (MCQs, true/false) and subjective (essays, problems) questions within a single test. It intelligently generates unique question papers by pulling from predefined blueprints that ensure proper topic coverage, difficulty levels, and regulatory compliance while automatically randomizing questions to prevent duplication. • AI-Enhanced Secure Proctoring System A robust security framework combines biometric authentication through facial recognition with advanced AI monitoring during exams. The system analyzes webcam feeds for suspicious behavior, runs plagiarism checks on subjective answers, and maintains immutable blockchain records of all exam activities to ensure complete integrity and prevent malpractice across both online and center-based exams. • Automated Evaluation & Smart Scheduling Objective questions are instantly scored by the system with detailed performance analytics, while subjective responses are automatically routed to appropriate examiners based on specialization. The platform features intelligent scheduling that matches student bookings with real-time proctor availability across timezones, sending automated confirmations and reminders to all parties. • Continuous Learning Assessment Tools Beyond formal exams, the system provides self-paced quizzes with instant feedback, adaptive learning recommendations based on performance gaps, and configurable certification pathways. Real-time dashboards give both students and faculty visibility into progress metrics, cohort comparisons, and areas needing improvement throughout the learning journey. • Enterprise-Grade Technical Infrastructure Built on scalable cloud architecture with 99.9% uptime guarantee during critical periods, the platform features military-grade encryption, seamless API integrations with university systems, and role-based access controls. It supports high-volume concurrent testing while maintaining rigorous data protection standards compliant with all educational regulations.

13	Provisions for Online assignment creation submission, and grading	• Online Assignments can be created by faculty on any particular topic or course area and added to course plan • Submission of Essay Type/ Project Type Assignments using platform, with online evaluation and feedback as well as result declaration available
14	Availability of tools to keep students informed about activities, performance etc.	• Alerts - email and chat widget based, triggered on various metrics. • Regular email reports on student's activity and progress mapped individually as well as across the course cohort. • System triggered text messages and emails for all course deadlines etc.
15	Plagiarism checks provisions	• Dilbit anti plagiarism/ detection tool has been used across all learning materials
16	Methodology for online payment gateway	• Online fee payment gateway to allow for payments using Credit / Debit Cards as well as all available Indian Net banking systems • Fee payments also accepted via Bank Transfer with Online Submissions of Proof of Payment for account entry matching and reconciliation
17	Flexibility in browser support and responsive designs on site	• All major browsers supported, including Chrome, Firefox Microsoft Edge and Safari etc. • All Student facing sites designed in responsive method, to allow for any screen size usage / display size with html responsive
18	Support for the standard four-quadrant approach	• Platform is designed in accordance to 4Q approach recommended by UGC DEB and SWAYAM guidelines and making full benefit and use of the same
19	Provision of online award of certificates/degrees	• Online Certificates issued for various courses completed • Program Completion Certificate made available to student. • Online Completion Certificates to be digitally signed by Statutory Authority – ADBU • Certificates to be mapped and made available on NAD-National Academic Depository
20	The proposed methodology to train the faculty to effectively Design Develop and Deliver Massive Open Online Courses (MOOCs).	• **Capacity Building:** Regular workshops and Faculty Development Programs (FDPs) are conducted at the permanent campus of ADBU to train faculty in MOOC pedagogy, content design, and digital tools. • **Course Proposal and Evaluation:** Interested faculty are encouraged to submit course proposals, which are periodically evaluated by university authorities to ensure academic quality and relevance.
21	Security features from transparency and credibility perspective	• logins are authenticated with email and mobile number verification at registration phase. • Each subsequent login verified using user id and password and OTP on email or SMS • Each login IP and Geolocation tracked. • Student's picture captured before each assessment examination. • ID's required to be verified via video before each exam. • Examination Proctoring Videos recorded and kept for integrity checks later as and when required
22	Scalability for	• System provisioned for 25,000 registered active users (with

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24	Provision for an appropriate organizational setup in the HEI for maintaining and running the platform.	• Director & Centre Coordinator, along with required and mandated technical and support organizational setup in Separate Centre facility within the campus already setup • Program and Course Coordinators, and support staff coordinate with technical personnel within the University staff as well as deputed by the Company as per techno-commercial contract
25	The proposed methodology to ensure the quality of courses.	• IQAC cell to survey all stakeholders on the various parameters to ensure quality maintenance and continuous improvement in the same. • IQAC cell to issue report on findings, action taken and further suggestions and guidance periodically • Student Feedback on Course Quality, and Course Content Quality taken on Platform, and used to collate quality measurement. • Student Survey to measure satisfaction regarding course quality conducted