BLENDED-LEARNING TECHNOLOGY

Business Document www.be-systems.nl

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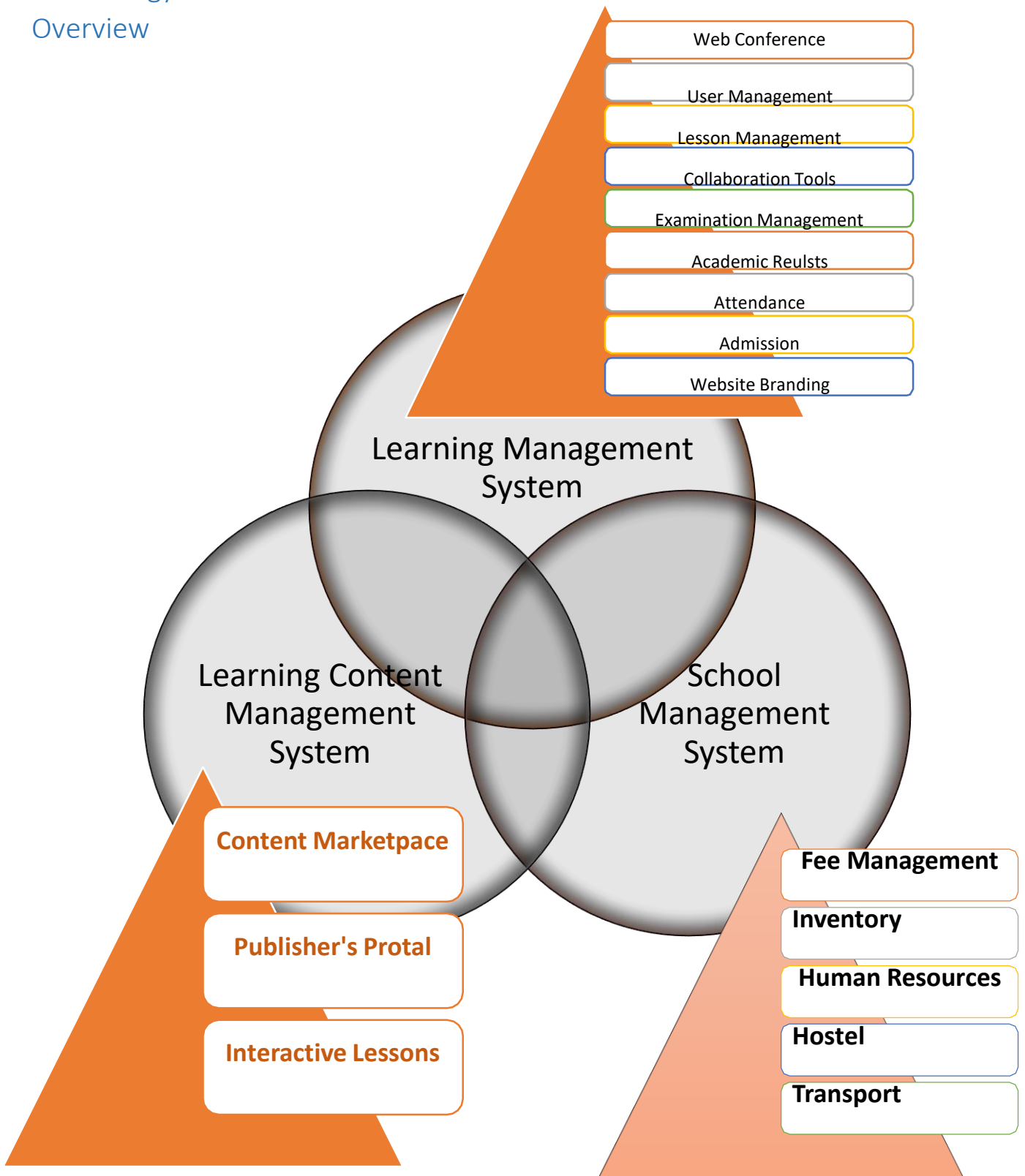
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1.0. Executive Summary

Be-systems technology engineering organization aimed at proffering solution to advanced e-learning, Blended-Learning and content management system in Africa. Be-systems provides an All-In-One e-learning solution, comprising; Learning Management System, School Management System and Learning Content Management System.

Our advanced learning solution helps educators to create and publish content to students for a more effective teaching and learning experiences, through devices like; Tablets computers, laptops, Desktop and Mobile Phones.

1.1. Mission

Our mission is to deliver the best learning solution and support to Governments, schools and colleges professionally and guide them to effectively implement advanced e-learning system to meet their goals and achieve success.

2.0. Product Overview

Learning System – is a highly flexible and cloud-based core Educational system. In particular, Learning System will help educators to quickly and easily leverage the latest technology to enhance its learning, teaching and operational efficiency. Learning System application is well placed to deliver these requirements due to the company's extensive educational learning implementation knowledge. The company already provides the Learning System to over 30 schools and has a proven track record of developing and delivering high quality Shared and standalone software and supports

Built from Blended-Learning pedagogy
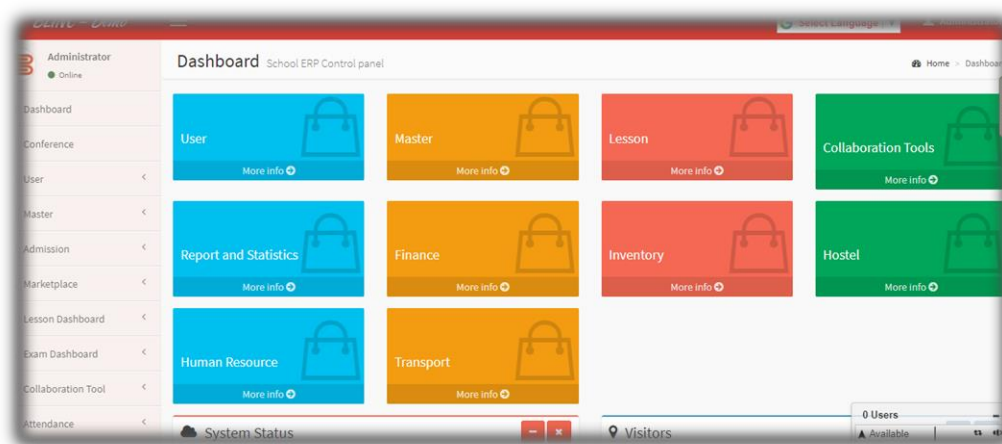
3. Core System Functionality

Learning System is perfectly suited to meeting the requirements of educational institutions around the world. In this section we give a high-level overview of the core system functionality.

3.1. User Friendly

Learning System has a simple and clear user interface, with best-practice workflows taking you through all core processes, and relevant data always at your fingertips. We described it as "so user friendly that; instructors and learners are not required to be proficient in IT. The system has a simple graphic user interface and features, so each user can easily access and manipulate the information they require."

3.2. Client Custom Management

Learning System works with all levels of schools. It is easy to customize client's account with color, website, Logo, etc. All client's information is easily accessible, searchable and editable. The system enables the capture of personal information, unique identifiers, student, instructors, parent, guardian, management information and much more. Management of Learning System is made easy with import from csv files.

3.3. Content creation and management

The tweaking features media: video, images, audio, questions and creating of rich reusable content makes Learning System flexible and friendly. Content marketplace is integrated to help educators remove unnecessary APIs and allow Publishers anywhere in the world to interface their content with Learning System marketplace.

3.4. Integrated Web Conference and Whiteboard

The system comes with a fully integrated web conference and online Whiteboard. It's easy to add new meetings that can be accessible both on the web and Mobile Application designed to work at any location.

3.5. High Quality Reports

The System provides an extensive suite of high-quality reports, providing information on User behaviors and interactivity. It provides, diagnostic reports, lesson participation reports, failed and passed reports, question-based report and detailed number of trial attempt in each activity.

3.6. Academic Results

Learning System is built with Coupon and free results management system allowing management to enable results access codes, provide details GPAs with just imports via csv files and the results. It come with freezing mechanism for effective monitoring and security.

3.7. Custom Questions and Examinations Module

Custom lesson is instructor-based grading of student performance in both lessons and examination, providing a paperless opportunity to ease institution cost on papers. Aside the 7 -question automatic score questions, Custom Question allow comments, highlights and manual scores by instructors.

3.8. Improved Collaborations

The system collaboration tools allows instructors to share all file extensions to read both online and offline using Mobile application. Project works and Class scheduling tools allow easy collaboration among learners and instructors in and outside the classroom.

3.9. Integrated Website and Customization

Enjoy and choose from and integrated 3-Template Website that can easily be customized without hosting and without a Webmaster. This is to ease schools and training organization who already are spending huge amount of money to host an pay for web designer..

3.10. Mobile App Ready for Learners

As part of setup and by choice, client will be developed and branded with a standalone Mobile application for learners and support both offline and online learning.

3.11. Automatic Alerts on Email and SMS with Chat Facility

Email and SMS Alerts is on the go on every activity in the system. Making easy to stay informed. Communication with Instructors, management, student and parent are at every click with integrated Chat Mechanism.

4.0. Brand Statement

All-in-One Blended-Learning Pedagogy based on 21st Century Education Solution

4.1. Project Background	Learning System is an All-In-One Blended-Learning Application. Comprising: Application. It provide training organization with a one-Stop solution to
4.2. Target Audience	1. State Government planning to integrate the entire government schools from Primary school to Tertiary institution as a cloud base Technology integration for entire states. 2. Private primary, secondary and Tertiary Institutions planning to migrate to Blended-Learning with their diverse school location. 3. Training organization that want to own a training and examination center for their staffs in single and multiple location. 4. Individuals planning to host online Learning for self-pace learners
4.3 Advertising Objectives	To promote the brand and make the product part of every educationist, Government training institutions and learners.
5.0. Key Consumer Benefits	**5.1. Benefit to Government** ✓ Branded for the Ministry of Education ✓ Single Repository (Multiple Schools ✓ Single Cloud Application Multiple schools at any location ✓ .Continuous Assessment from a single portal across the state ✓ Learn online and offline. ✓ Access results through email attachment, Login or coupon. ✓ Learn with any device, anytime, anywhere. ✓ Mobile Application for every school **5.2. Benefit for Learners** Feedback from Learners & Parents ✓ Live Classroom at any location. ✓ Learn online and offline. ✓ Access results through email attachment, Login or coupon. ✓ Learn with any device, anytime, anywhere. ✓ Get Diagnostics reports. ✓ Auto-reporting and feedback to parents and their wards using in-built alerts on SMS and Email. ✓ Pay fees from location ✓ It provides Blended-Learning (Ability to learn outside and within the classroom) anytime, anywhere and improving engagement and collaboration in the classroom. ✓ It helps students to stay up to date in academic activities and performance ✓ Improve skills through technology

5.3. Benefit to Schools

- ✓ Branding with White Label for schools
- ✓ School owns a customized Mobile Application on Google Play on the school name
- ✓ Manage all Finance, Inventory, Hostel and other administrative tasks in one place
- ✓ This system will minimize the marking stress on teachers especially in objective and essay questions since the system will mark the questions automatically based on the specified answers. Learner can view their result as soon as they end their test.
- ✓ This system will help Learners make good use of the internet and their mobile devices, thus making better use of their idle time.
- ✓ It will also bring additional income to the school (eventual reduction in the usage of paper and printing)
- ✓ It will serves as a distant learning tool and knowledge reservoir for the school.
- ✓ It also places the school on a good ranking on how the school uses the most current curriculum in teaching and learning.

5.4. Benefit to Parents

- ✓ Ability to monitor Wards activities at any location
- ✓ Receive SMS/Email alerts on Wards performance
- ✓ Check Results and Attendance of Ward at real-time

5.5. Benefits to Teachers

Based on Teachers Feedbacks

- ✓ Trainer Tracks/Monitors Learner's ahead of class schedules.
- ✓ Easy Results Import with stress-free mechanism.
- ✓ Perfect auto-generated Class and Overall Performance.
- ✓ Intelligent analytical reports and diagnostic reports.
- ✓ Easy to create, publish & share files.
- ✓ Build interactive lessons with 8-question types.
- ✓ Quick and easy access to Learners' information.
- ✓ View and review learners' performance using multiple channels.
- ✓ Auto-reporting and feedback to parents and their wards using in-built alerts on SMS and Email.

6.0 Benefit Supports	Learning System is an advanced and high-level Learning and School management System that allows an entire school administration and academic to correlate information with parents, Students, staff and publishers within and outside educational environment.

	Our Application is user-friendly and it is built to meet 21st century blended-learning pedagogy. Anyone with basic knowledge of computers and email can start using within few minutes of their first login. It is built with a simple navigation that allows a new user to navigate through the features and contents in the system with ease. It is independent application that is available on Web and Android application with the most secure login and data storage security using the latest modern web security standard. Our web application is cloud hosted and requires no extra hardware or technical maintenance staff and it is cost effective. This system when adopted will facilitate teaching and learning within the entire school. Teachers will develop contents, collaborate and learn anytime with Learners in and outside the classroom. It is the simplest and most complete e-learning system with geographical adaptation. Teachers and administration on the other hand, will be able to monitor Learners' activities from any location.
7.0 Competition	We are exclusive dealer of All-in-One technology at this time, we will be able to attract the price-sensitive market without much work. Our second main advantage is the accessibility of our services. The time conscientious customer will appreciate our swift work.
8.0 Market Segment	Six market segments as a starting point: i. Schools that need Learning Management System. ii. Schools that need Both Learning Management and School Management System iii. Schools that need School management system only iv. Publishing organization that want to digitalize their eBook V. Organization that provide online learning to individuals

9.0 - 10. Product Specification

9.1. Learning Management System (LMS)

Modules	Sub-modules	Status	General Feature

9.1.1. User Management	Sub-admin Teachers Students Parent Administration for each Module	√ √ √ √ √	It provides independent management for administration.
9.1.2. Web Conferencing	Allows meeting Schedules among management, Instructors with students Automatic host link for scheduled meeting	√ √	Web Conferencing with 0ver 10,000 free minutes every month with integrated with annotations Whiteboard
9.1.3. Whiteboard	Full Annotation integration Draw Write Scale	√ √ √ √	
9.1.4. Lesson Management	Interactive Lessons Theory Lesson Video/Audio Lesson Auto-sync Lesson to Mobile App. Lesson Archive and many more,	√ √ √ √ √ √ √	Over 8 different question tools including {Single Question, Multiple Question, True/False, Fill-in-the blank. Short Answer, Ordering, Matching and Custom Answer).
9.1.5. Collaboration Tool	File management Forum Project Work Class Schedule Notice Board SMS/Email Alerts	√ √ √ √ √ √	Share all file extensions including (PowerPoint, Words, Excel, PDF) Read offline and online using Mobile Devices It allows Comments and Questions Instructor can schedule classes Free SMS and Email Alerts
9.1.6. Marketplace	eBook Lesson Video/Audio Interactive Lesson	√ √ √	It provide opportunity to any school in any location to buy eBook, Video and Interactive Lesson from Publishers
9.1.7. Academic Results/Continuous assessment	Easy Results import Auto-calculation with GPA ON-OFF Coupon Overall Performance Complete Time-sheet Continuous Assessment Compiler Student account Academic results view and Print End of Term GPA	√ √ √ √ √ √ √	Auto-Send Report Freezing Technology allow non-academic results manipulation
9.1.8. Attendance	Generate list of Absentees		
9.1.9. Report and Statistic	Student Performance report Student Lesson activities Report Failure and Pass Report Diagnostic Performance Questions Performance Statistic	√ √ √ √ √	A combination for absentees and reason for absent. Attendance is computed as part of Continuous assessment an optional Academic Results computation
9.2.0. Examination Module	Autoscore Theory and Custom Marking		Automatic Score generated graph and Percentile display

	8-Question type Exam creation Pictorial Display of overall class Performance		Detailed Scoreboard Auto-email export report 0 PDF
9.2.1. Admission Module	Registration from Portals Upload Past academic required document Auto-Manage Admission Registration Fee Payment Registration Course and Module enrollment.	√ √ √ √ √	Easy management of candidates with Email and Alerts on: - Admission Received - Admission in Progress - Admission Accepted - Admitted [on Stand-by] - Admission Rejected - Admission Approved

10.0. School Management System

Modules	Sub-modules	Status	General Feature
10.1. Finance Module	Manage fees Manage donations Income and Expenses Finance Reports Payments Alerts Online Payment Profit and Loss	√ √ √ √ √	It provides independent management for administration.
10.2. Human Resource	Manage Employee Manage Payroll Manage Leave	√ √	Web Conferencing with 0ver 10,000 free minutes every month with integrated with annotations Whiteboard
10.3. Inventory Module	Full Annotation integration Draw Write Scale	√ √ √ √	
10.4. Hostel Management	Interactive Lessons Theory Lesson Video/Audio Lesson Examination Auto-sync Lesson to Mobile App. Lesson Archive and many more,	√ √ √ √ √ √ √	Over 8 different question tools including {Single Question, Multiple Question, True/False, Fill-in-the blank. Short Answer, Ordering, Matching and Custom Answer).
10.5. Transport Management	File management Forum Project Work Class Schedule Notice Board SMS/Email Alerts	√ √ √ √ √ √	Share all file extensions including (PowerPoint, Words, Excel, PDF) Read offline and online using Mobile Devices It allows Comments and Questions Instructor can schedule classes Free SMS and Email Alerts

11.0 Product Packages

Product Package

11.1. Software as a Service (SaaS)

Software as a Service; this is a subscriptions based approach to an entire institutions and allow the renewal of payment per academic year**.**

11.2. Licensed

School signed up to use for a period of time with uncountable nodes and CPU. For example, 2, 3 OR 5 years and renewed after this period.

11.3. Hosted

This allow a complete admin server on institutions own server with – One-time payment, and yearly supports and upgrades Payments.

11.4. Government/Country Hosted

This all a Complete System White-labeled to state, organization or Government - One-time payment, and yearly supports and upgrades Payments.