SIAS-LMS (Learning Management System) 3.x

1. Online Meetings:

- Integrated with Enrollment system (no re-encoding)
- Automatically generated Class List
- Integrated with Calendar of Activities
- Integrated with Scheduling Wizard
- Automatic generation of Online Meeting schedules
- Synchronized, conflict-free & calendar-style scheduling of online meetings
- Easily monitor schedules of Online Meetings for both students and teachers.
- No need to broadcast or notify students the Zoom/Google Meet IDs or links
- Integrated SMS Notification system for broadcasting schedules, Meeting IDs or any information to ALL students, parents, guardian or sponsors in a class
- For every entry of absence or late, the system automatically sends SMS notifications to students, parents, guardian or sponsors
- Class Absences Report

2. My Online Tasks (Quizzes, Exams, Assignments & Projects):

- Integrated Test Bank per Subject in Masterlist of Subjects
- Integrated with Calendar of Activities
- Full support for Holistic and Analytic Rubrics
- Full support for Pre-defined Rubrics for Essays, Pictures, Documents, Videos, Performances, etc. which can be used for any total points
- Display computed points in the Rubric Score sheet based on defined percent in Criteria and Levels
- Synchronized and conflict-free scheduling of Online Quizzes and Exams
- Calendar style scheduling of deadlines for Assignments and Projects
- Embed or paste pictures in test questions and choices
- Embed youtube video and PDF links in test questions
- Allows teachers to input several possible correct case-neutral answers in questions such as Identification. Automatically cleans and trims extra spaces.
- Supports tasks which require students to upload a picture, document, compressed file or paste URL/link
- Tests: Automatically hides Test Items that were already used
- Tests: Can "Copy From" another subject and "Preview" the test
- A Test Item can be marked for "Private Use Only" by Instructor who created it
- Automatically randomize sequence of Test Items in Quizzes and Exams

- Teachers easily open/check/score those uploaded pictures, documents, compressed files and pasted ULRs/Links in response to test questions, assignments and projects
- Teachers cannot give score to test items that were not answered by students
- Easily monitor schedules and deadlines of tasks **today** and **future** for both students and teachers.
- Displays real-time remaining time before Online Task timer runs out.
- Allows Re-entry in Online Tasks for as long as there is still time before timer runs out (useful when student accidentally closed the browser)
- Teachers can repeat/reopen any Test (Quiz, Exam, Assignment, Project) in another schedule which will give students additional time to complete or rethink of their answers
- Teachers can open/view submitted quizzes, exams, assignments and projects per student enrolled in the class
- Check Online Tasks: Automatic display of Rubrics button for scoring Test Items with pre-defined Rubrics
- Teachers can allow/disallow students in checking their scores in a particular Test
- Online access of Students to their Test Scores with Rationale
- No need to broadcast or notify students the Zoom/Google Meet IDs or links
- Administrators (Deans) can visit or join any of the Online classes without asking for the meeting ID or passcode
- User-defined Mastery Levels used in Test Item Analysis per Educational Level (i.e. Junior High, Senior High, College, etc)
- Generates reports on Test Item Analysis, Correct Answers Analysis, Learners Proficiency Levels.

3. Grading System:

- Integrated with Enrollment system (no re-encoding)
- Adaptive / user-defined grading system
- Online Class Record that can be checked online by school admin
- Support RAW scores (Quizzes, Periodic Test, etc.) with automatic transmutation
- Automatically retrieve RAW scores from Online Tests (Quizzes, Exams, Assignments & Projects)
- Entry for Observed values, Adviser comments
- Generate Reports: Report Card and Transcript of Records
- Generate Reports: Individual Final/Term Grades, Periodic Average Grades and General Weighted Average (GWA)
- Generate Reports: Learners Proficiency Levels

DIGITAL
SOFTWARE

4. **Learning Resources / Modules**:
   - Integrated Learning Resources bank per subject
   - Support for synchronized or shared learning resources and video lessons which encourages collaborative development
   - Support for defining class specific learning modules and video lessons
   - Automatically accessed by students based on their enrolled subjects (no need for teachers create classes and post the modules every start of learning period)
   - Copy all learning resources/modules/tests from one subject to another
   - Automatically creates "Discussion Forum" per module using Facebook Comment Plugin
   - No need for separate online account like Gmail which confuses everyone
   - Video tutorials uploaded in youtube.com
   - Reading materials or eBooks in PDF format (preferred) or other formats
   - Copy LMS module from one subject to another

Reasons to choose Digital Software:

1. **VERY ACTIVE DEVELOPMENT**: We publicize new updates, changes, bug fixes and new features in our website and facebook so you are assured that our systems are still alive and actively maintained
2. **DOWNLOADABLE**: Upgrades and updates are downloadable from website.
3. **UPGRADABLE**: Our systems installed 10+ years ago can be upgraded to latest version in just a few minutes by simply running our Upgrade Modules.
4. Minimal and consistent UI & multiple windows in one page
5. **100% Client-side UI technology** which maximizes the power of the client browser.
6. All requests sent to the server are **Authenticated** and **Encrypted** even without SSL.
7. Javascript code is minimized and **Obfuscated** to prevent debugging or reverse engineering.
8. All reports (**PDF** and **Excel**) are generated by the client browser in **OFFLINE** mode
9. Ability to upload large files with progress % sent status
10. Enabled gzip compression for faster retrieval of both static and dynamic data
11. The browser automatically downloads the latest version when a new version is available.

Technologies Used:

1. Online / Web-based / Cloud
2. Visual Studio 2019
3. C#.NET / Microsoft .NET Framework 4.8
4. Microsoft ASP.NET Web API 2.2
5. MariaDB 10.6 Database Server

6. Microsoft TypeScript 4.3
7. QooxDoo Javascript Framework 7.5.0
8. Javascript Obfuscator 2.47
9. PDFmake 0.1.64