

SIAS Online 3.x Features

Main Modules:

1. **Admission and Document Management**
2. **Pre-Enlistment (Automatic), Enrollment and Auto-Advising**
3. **Class Scheduling Wizard** (Deans and Registrar)
4. **Assessment, Discounts and Scholarships (UNIFAST reports)**
5. **Grading System:** Adaptive / User-defined, RAW Scores, Automatic Transmutation, Universal Grade Conversion
6. **Instructor Modules:** Class Record (Raw Scores such as Quizzes, Class Standing, Periodic Test, etc.), Grade Sheet, Changing of Grades, Learning Resources, Class Attendance and Class Absences
7. **Student Module:** Enrollment, Assessment, Grades, Curriculum Evaluation, General Weighted Average and Statement of Accounts, Learning Resources, Class Absences and Teachers Evaluation
8. **Parent Access:** Gate Entry/Exit SMS Notifications, Per Subject Absences/Late SMS Notifications, Assessment, Grades, Statement of Accounts, Learning Resources, etc.
9. **Curriculum Evaluation:** Credited, Equivalent, Internal and External subjects
10. **Teachers Evaluation:** Students can evaluate their teachers
11. **Centralized Clearance System:** Clearance is required only to tagged students
12. **Learning Management:** eBooks, Learning Modules, Reading Materials, Quizzes, Examinations and Projects attached to Subjects
13. **Class Attendance:** Integrated Calendar of Activities, Class Absences Report
14. **Gate Entry Monitoring using Turnstiles:** Using Smartcard IDs with SMS Notification
15. **Visitor Management System:** Using Smartcard IDs with SMS Notification
16. **Biometric Attendance:** Automatic computation of Late, Undertime, Absences and Overtime, Leave Debits/Credits, DTR, Summary, etc.
17. **Payroll System:** User-defined Income and deductions, Mandatory deductions, Annualized tax computation, Ensures Net take-home pay, Personal Data Sheet, etc.
18. **Information Kiosk and Queuing System:** Paperless Queuing w/ SMS Notifications, Grades, Statement of Accounts, Due Amount, Account Balance, e-Wallet Balance, etc.
19. **Point of Sale:** Cashless (e-Wallet), Cash, Account Receivables, Sales Report, Sales Summary Report, Stock Inventory, Price management, Stock-In/Out, etc.
20. **Library System:** Management, OPAC, Inventory, Self-service Kiosk, Penalties, Book Ledger, Patron Ledger, etc.

Technologies Used:

1. Online / Web-based / Cloud / Real-time
2. Visual Studio 2013 SP5 (2015)
3. C#.NET 5.0 and Microsoft .NET Framework 4.6.2 (2016)
4. Microsoft ASP.NET Web API 2.2 (Dec 2014)
5. MariaDB 10.3 Database Server (2019)
6. Microsoft TypeScript 1.8 (2016)
7. QooxDoo Javascript Framework 5.0.2b (2019)
8. Javascript Obfuscator 2.47 (2018)

General Features:

1. Upgrade the old SIAS Desktop 2.x to SIAS Online 3.x in less than 30 minutes
2. **VERY ACTIVE:** Publicize new updates, changes, and bug fixes in our website
3. **DOWNLOADABLE:** Upgrades and updates are downloadable from website
4. **UPGRADABLE:** Our systems installed 10+ years ago can be upgraded to latest version in a few minutes by simply running our Upgrade Modules
5. SIAS Desktop data are upgraded automatically (**NO MIGRATION**)
6. Modern, interactive and consistent UI & multiple windows in one page
7. Client-side technology which maximizes the power of the client browser
8. All requests sent to the server are **Authenticated** and **Encrypted** even without SSL
9. Javascript code is minimized and **Obfuscated** to prevent debugging or reverse engineering
10. All reports (**PDF** and **Excel**) are generated by the client browser in **OFFLINE** mode
11. Ability to upload large files with progress % sent status
12. Almost all grading systems in the Philippines are supported
13. Enabled gzip compression for faster retrieval of both static and dynamic data
14. Automatic detection of new system release and forces the browser to reload
15. Users are asked to re-input their password after 5 minutes of inactivity
16. Javascript files are minimized and obfuscated to harden security.

Online Admission and Pre-Enlistment

1. Support for automatic curriculum evaluation
2. Automatic computation of the curriculum year level of student
3. Entry module for applications for Entrance Examination by new students
4. Approvals of Applications for Entrance Examination
5. Entry of Score for Entrance Examinations
6. Admission applicants can check the approval and examination results online

7. Upload and view submitted documents
8. Automatic year-level promotion and pre-enlistment of students
9. Students can input their own personal data

Online Enrollment:

1. Interactive selection of schedule of classes
2. Automatic detection of conflict in schedule as well as full or closed classes
3. Automatic detection of unfinished **pre-requisites**
4. Automatic checking of pre-requisites' **equivalents**
5. Administrative level enrollment module
6. Support for classes with multiple schedules
7. Support for expiration of incomplete grades
8. Automatic pre-enlistment and promotion
9. Automatic selection of block-best section for student

Online Assessment and Accounts:

1. Automatic assessment of enrolled subjects
2. Automatic computation of adding and dropping charges
3. Automatic computation of late enrollment charges (fixed or per day)
4. Support for individual student assessment override
5. Added parent access (view) to student assessment and accounts (v3.2.2.26)
6. Added administrator access (view) to student's statement of accounts (v3.2.2.27)
7. Administrators, students and parents can check Amount Due (v3.3.4.8)

Online Discounts and Scholarships:

1. Support for single/multiple discounts per student
2. Support for fixed amount (availed or paid by student)
3. Support for maximum tuition fee units that can be discounted
4. Support for required minimum no. of units enrolled to avail
5. Support for fees which are excluded or different rate is applied
6. Support for automatic validation of enrollment
7. Support for rates on specific fees instead of fee types (3.2.2.19)
8. Detects enrollment changes to ensure optimal re-computation of assessment
9. Automatic generation of UNIFAST report (PDF and Excel)

Online Grading System:

1. Entry of RAW scores with automatic computation and transmutation of grades
2. Automatic computation of General Weighted Average based on Curriculum
3. Entry module for Pre-requisites or Co-requisites of subjects
4. Entry module for Curricula Development
5. Checks if input grade is invalid (displayed in Red color)
6. Curriculum Evaluation with support for **Credited** and **Equivalent** subjects
7. Entry of Requests for Change Grade (Instructor Module)
8. Approvals of Request for Change Grade with automatic posting of grade
9. User-defined grading terms i.e. Final Grade or Prelims, Midterms and Finals
10. Automatically enables or expires grade entry for any grading term
11. Automatically computes Final Grade based on configured percentages
12. Automatic conversion of final grade to numerical equivalent (v3.1.8.20)
13. Unofficially dropped students will be automatically given a failed grade (v3.1.8.20)
14. Class Record - Teachers can define and input quizzes, recitation, project, periodic test etc. where term grade is automatically computed based on user-defined rates (v3.2.8.19)
15. Teachers can generate the grade report in PDF ready for printing or download (v3.1.8.20)
16. Administrators can upload school logo of grade report (v3.1.8.26)
17. Teachers can input/save two (2) signatories (recalled automatically) of the grade report (v3.1.8.32)
18. Posting of grades for merged classes of different subjects (v3.2.2.16)
19. Added parent access (view) to student grades and evaluation (v3.2.2.26)
20. Added administrators access (view) to student periodic grades (v3.2.2.27)
21. Automatic transmutation of grades (v3.3.1.13)
22. Curriculum-based computation of General Weighted Average (v3.3.4.11)
23. Added entry of Class Absences (v3.3.6.12)

Class Scheduling Wizard:

1. Assists deans or registrar in developing class schedules **visually**.
2. Detects conflicts in schedule for all instructors, classes and rooms
3. Detects and displays available (**conflict-free**) schedule for both Instructor, classes and room
4. Easy schedule selection by simply clicking pre-computed available schedule
5. Merging of class schedules (single and multiple)
6. Supports user-defined or custom days in finding available schedule (v3.1.8.20)
7. Ability to ignore conflict in schedule for Instructor and Room (v3.1.8.20)

Online Teacher Evaluation:

1. Questions data bank

2. User-defined rating criteria
3. Design of evaluation items
4. Answers of students are saved real-time
5. Students can review and change his/her answers
6. Evaluation report shows average per item and weighted average per class
7. User-defined categories and sub-categories with % weight (v3.1.8.26)

Online Learning Resources:

1. Category types: Student Modules, Instructor Modules, Reading Materials, Quizzes, Examinations, Projects
2. Students and Parents have read-only access to Student Modules and Reading Materials attached to subjects OFFICIALLY enrolled by the student
3. Instructors have read-only access to ALL learning resources attached to the subjects taught
4. Administrators with Edit privileges can upload and attach learning resources to specific subjects