Integrated School Information System

April 2014

DARS OVERVIEW

DARS is a "school management software", developed by **DataRays** (Lebanese company); **Typical for Lebanese Schools,** the program provides the computerization and automation of the various tasks performed by school staff.

DARS has a long success story,

Used in 36 Schools

More than 37'000 students / 4'000 teachers

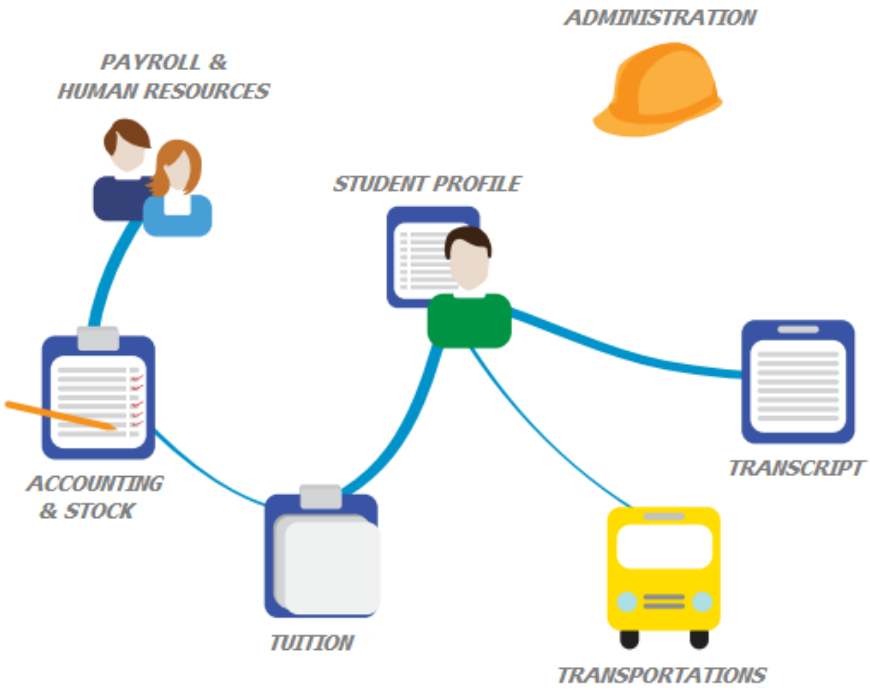
More than 200 reports

Simple, easy to use but conveys so much information. Users' feedback was that DARS modules are user friendly and can supply them with all the reports and outputs they need to their daily operations and for their periodic analysis.

APPLICATION SECTIONS

DARS is formed from ten integrated modules:

1. **Administration, user rights and roles**
2. **Families and students profile**
3. **Online Collaboration Platform**
4. **Medical profile**
5. **Transcript**
6. **Tuition**
7. **Accounting**
8. **Stock, inventory and assets**
9. **Payroll and human resources**
10. **Transportations**



DATARAYS
SCHOOL SYSTEMS

Integrated School Information System

TRANSFORMATION

We've seen DARS transform school management from a basic management environment to an analytical advanced administration level, providing KPIs that give a clear view of the school operations.

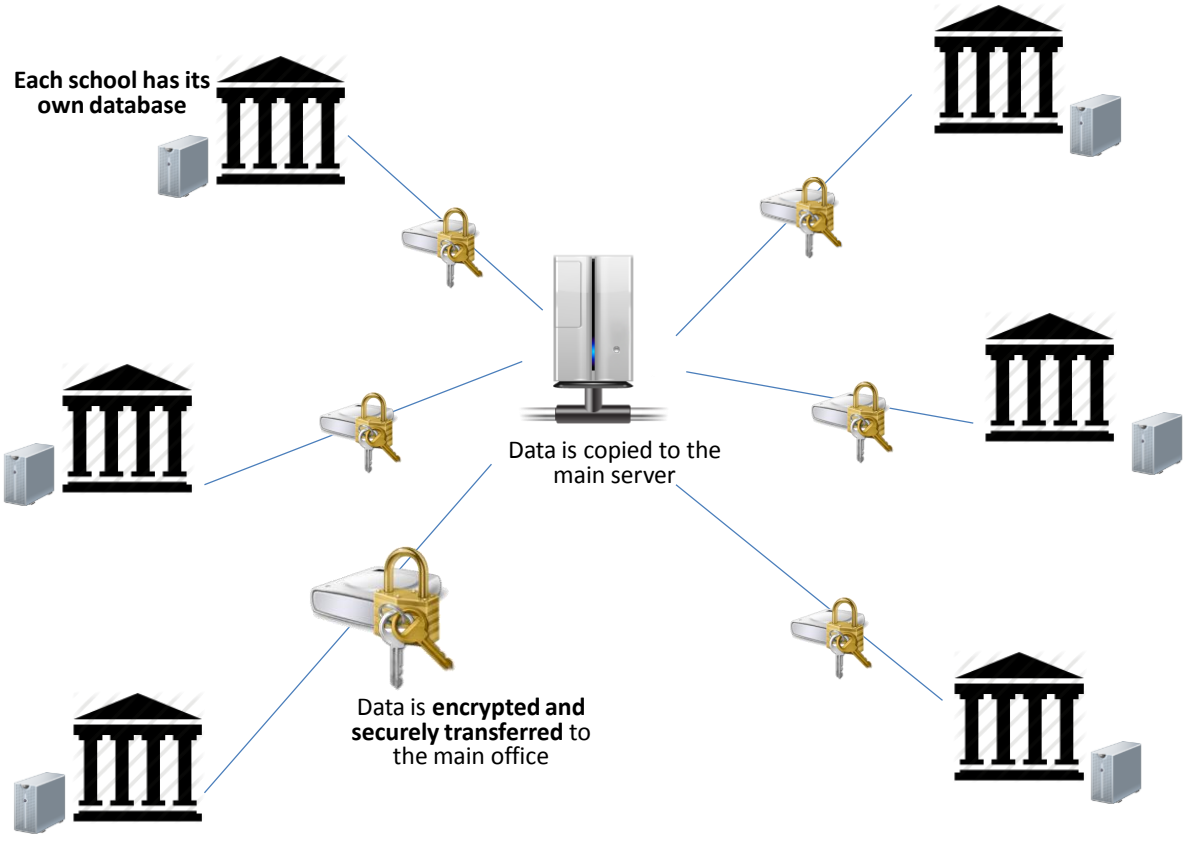
OUR VISION

We've worked with leading schools for over 10 years incorporating DARS into their management environment and DARS made it easy to mangers to control the school operations and to have an accurate view of the school financial situation, performance and evolution over the years.

DARS CENTRALIZATION OVERVIEW

DARS "school management software", can provide data replication and centralization for separated schools, each school will have its own server and data will be copied to the main server based on a prede-fined schedule (daily, weekly) as described in the image below.

DataRays is the first company to apply a successful synchronization module and deploy it for a group of 18 schools



GROUND WORK

Success begins with innovative, easy to use product designed by talented engineers, managers and professional people within the education and schools management sector.

PRODUCT

Creating a successful and leading software in a high competitive market requires skilled researchers and developers having a profound understanding of the school management workflow. Our goal is to create a software that can push school management a step forward.

REMARKABLE ADVANTAGES

1. **Already functional in an important number of schools**

2. **Definition of user rights and user access by class, division and by module.**
3. **Automatic calculations of teachers and employees' salaries according to the laws.**
    - This unique software is capable of understanding the laws and able to accurately apply them.
4. **Analytical accounting and cost per student.**
    - The software can analyze charges and distribute cost center in order to provide the cost per student.
5. **Retains all the history data and allows easy access to them.**
6. **Can operate without any intervention from our part including the transition from a year to the next one.**
7. **User friendly.**
8. **Saves money and resources**
    - Stops the waste of money with NSSF, CFPS, MOF
    - Eliminates the possibility of errors in payroll
    - Minimizes operation costs
    - Eliminates the risk of costing penalties with the state
    - Detects frauds
    - Saves staff time to be invested in other functions

9. **In a school**
    - Organizes the staff different tasks
    - Covers all aspects of daily operations
    - Eliminates the possibility of error due to human intervention
    - Provides a standard for school operations

10. **In a group of schools**
    - Centralization of data with a central database
    - Delegation of tasks to the head office.
    - Overview of the financial situation in real time.
    - Comparison reports between different institutions.
    - Facilitation of the audit tasks.

CONTENT AND STRUCTURE

1. ADMINISTRATION, USER RIGHTS AND ROLES

Service	Description
User right definition	This module defines the operating parameters and manages access rights for each user. This module defines the access rights of each user on each application module. Access rights are divided into logical action for each section within the module. The privileges are: - Invisible - Read Only - Insert only - Full Access
Access by school division	Within the modules “student profile” and “transcript” the user rights are per class (For example, a user may only have access to subscribe students in a given class, this same user has the privilege to check in “read-only” mode students in other classes). Teacher access is managed by class and subject

2. FAMILIES AND STUDENTS PROFILE

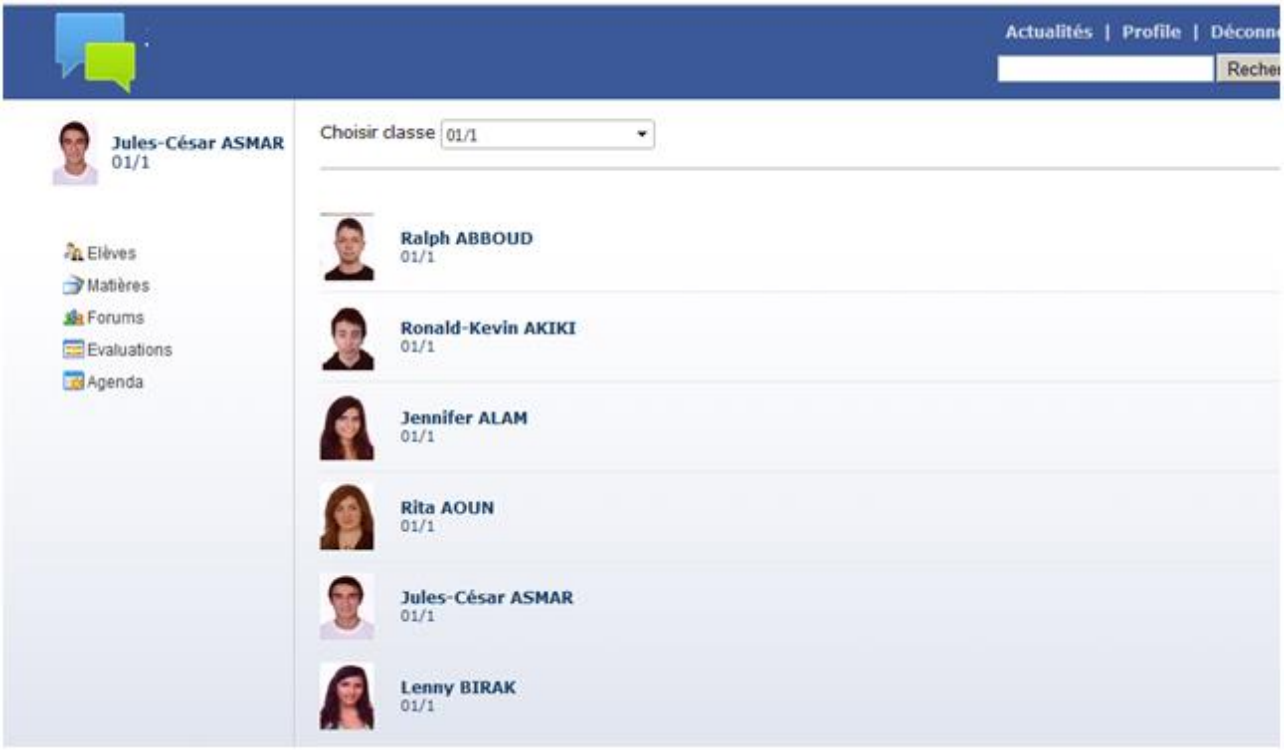
Service	Description
Family folder	This section contains the family personal information - ID card (in Arabic / English or French) - Education - Spouse (Arabic and English/French) - Work info for Father and Spouse - Address (Arabic and English/French) - Addresses and contact information - Files and documents attachments can be added to the family profile.

Student folder	This section contains the student folder information
	- Personal Information
	- Class history
	- Photos
	- Follow up folder
	  ○ Remarks
	  ○ Absences
	  ○ Warnings
	- Medical profile
	- Psychological file
	- Files and documents attachments can be added to the family profile.

Analytical reports and statistics	**This module contains up to 40 reports** List of managerial and statistical analytical reports - By Class - By Student - Yearly results…
Photos manipulation	Directly from a scanner or a camera, DARS saves students photos into their files.

3. ONLINE COLLABORATION PLATFORM

Service	Description
Instructor Association	- Course - Teacher association
Access rights	- Access rights are managed by class or subject or division, depending on the type of teacher.
Password generation	- Students, Parents and instructors can access the online application by an automatically generated password; passwords can be automatically generated by the system.
Grades data entry	- Data entry per class and course - Calculations of ranks and averages - Skills and evaluation
Agenda	- Agenda and homework are entered by teachers and can be validated by the principle
Transcript	- Configurable by classroom gives the possibility to show the rank and classroom average per note. - Grand total at the end of the year
Reports and statistics	- Various statistical reports regarding notes - Statistics per class and performance comparison - Analytical reports
Analysis	- Grades analysis by various comparative reports. - Generated reports can be exported to Excel Pivots and power pivots for further analysis used for decision making .
Discussion and message board	- Teachers can add subjects for one on many specific class. - The subject can be homework, a special assignment, a simple document to download, or an article.
File sharing	- Teacher can share a file to students in a specific class
School Agenda	- Teachers post the school agenda in a user friendly weekly view - Students can check their agenda from their online private section. - The parent may also check their students' agenda. - All history is preserved - Agenda items can be reviewed by the coordinator or principal.


Actualités | Profile | Déconn
Jules-César ASMAR
01/1
Choisir classe 01/1
Elèves
Matières
Forums
Evaluations
Agenda
Ralph ABBOUD
01/1
Ronald-Kevin AKIKI
01/1
Jennifer ALAM
01/1
Rita AOUN
01/1
Jules-César ASMAR
01/1
Lenny BIRAK
01/1

Accueil
Référence
Dossier
Rapports
Aide
Se déconnecter
Recherche
Année scolaire
2010-2011
Nom
Prénom
Classe
Elève
Parent
Rechercher
ABBOUD Maher
M - S3SE/ A
Profile
Remarques
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2010-2011| S3SE/ A
Notes
2009-2010
2009-2010| S2ES/ A
Notes
2008-2009
2008-2009| S1G/ A
Notes
2007-2008
2007-2008| EB9/ A
Notes

Accueil
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Aide
Se déconnecter
Recherche
Année scolaire
2010-2011
Nom
Prénom
Classe
Elève
Parent
Rechercher
AAJKANIEH Elie
EB7/ A
Remarques
Historique
Info général
Adresse
Famille
Frères
Info arabe
Nom : AAJKANIEH
Prénom : Elie
Code :
Classe : EB7/A
Date naissance : 16/04/1996
Genre : Masculin
Nationalité : Libanaise
Nationalité :
Communauté : Syr.Cath
Lieu de naissance : Hazmieh
Village du registre : Damour
Ville de naissance : Beirut
Qaza de naissance : Baabda
Pays de naissance : Liban
Email :
Email Collège :
DNR :
Inscrit :
Date d'inscription 01/10/2010
Dispensé(e) de l'arabe :
Autocar :
Dispensé(e) de l'EPS :
ODS :
Date d'entrée

4. MEDICAL PROFILE

Service	Description
Daily visits	Daily visits - Visit motivation - Localization of medical problem - Treatments - Actions taken and alerts - Daily and summary visits reports
Medical record	- General medical assessments - Family history, hospitalization, surgeries, chronic illnesses, allergies, medications... - Immunizations - Dental record...

5. REPORT CARD AND SKILLS MANAGEMENT

Service	Description
System configuration	This section contains the system configuration steps - Course and courses group. - Association of courses per class. - Number of Columns and the weight of each. - Creation of columns (Exams, control ...)
Grades data entry	- Data entry per class and course - Calculations of ranks and averages - Skills and evaluation
Transcript	- Configurable by classroom gives the possibility to show the rank and classroom average per grade.
Reports and statistics	- **This module contains up to 25 reports** - Various statistical reports regarding grades - Statistics per class and performance comparison - Other analytical reports
Analysis	- Notes analysis by various comparative reports and DARS gives the possibility of exporting and custom analyzing the data with Excel pivots and power pivots

6. TUITION

Module of creation and manipulation of schooling invoices and families accounts.

Service	Description
Settings	- Creation of items (tuition, supplies, registration ...) - Association items for each payment. - Association of the value of each item per class for a given payment.
Invoices creation and management	- Creation and management of family invoices are done via a simplified wizard. - Invoices are created for each family with the tuition of the children - Possibility to create invoices by financial tutor.
Integration with the accounting system	- DARS is an integrated system and thus, invoices are paid and managed from the accounting system.
Reports	- **This module contains up to 50 reports** - Bills, Statements and payment orders - statistics and general reports - Analytical Reports - Management of late payments

7. ACCOUNTING

Complete module for managing the accounting operations.

Service	Description
Settings	- Accounting exercise - Multi currency - VAT
References	- Chart of account - Cost center - Activity center - Cash account
Accounting operations	- Receipt, payments, voucher, Invoices ... - Import voucher from Excel - Debit Note / Credit Note
Utilities	- Ending the exercise and starting via a user friendly wizard - Exchange difference voucher - Starting voucher - Users accounts (each user creating a receipt / payment is associated with

	one or more cash accounts)
Analytical accounting	- To have an analytic view of accounting (e.g. cost per class or student). - This module will distribute the costs according to the cost and activity center and will give the cost per student and the cost per course.
Reports	- Account statement - Balance - Balance Sheet - Profit and loss
Analytical accounting	- Detailed Ledger - Detailed Balance - Group details - Balance Distribution - Income distribution - Balance of classes - General Ledger Distribution
Budgeting	- Budget management and expenditure.
Excel modeling	- In order to create the possibility to custom analyzing the financial data, an excel ODBC connection is created to allow the manipulation with Excel pivot and power pivot.

8. STOCK MANAGEMENT AND ASSETS

Service	Description
Operations	- Items, warehouse ... - Purchase - Consumption - Stock adjustment - Sales - …
Stock reports	- Stock value - Movements - Consumption by department - Statistics and analytical reporting - ...
Real estate assets	- Earnings - Depreciation - …

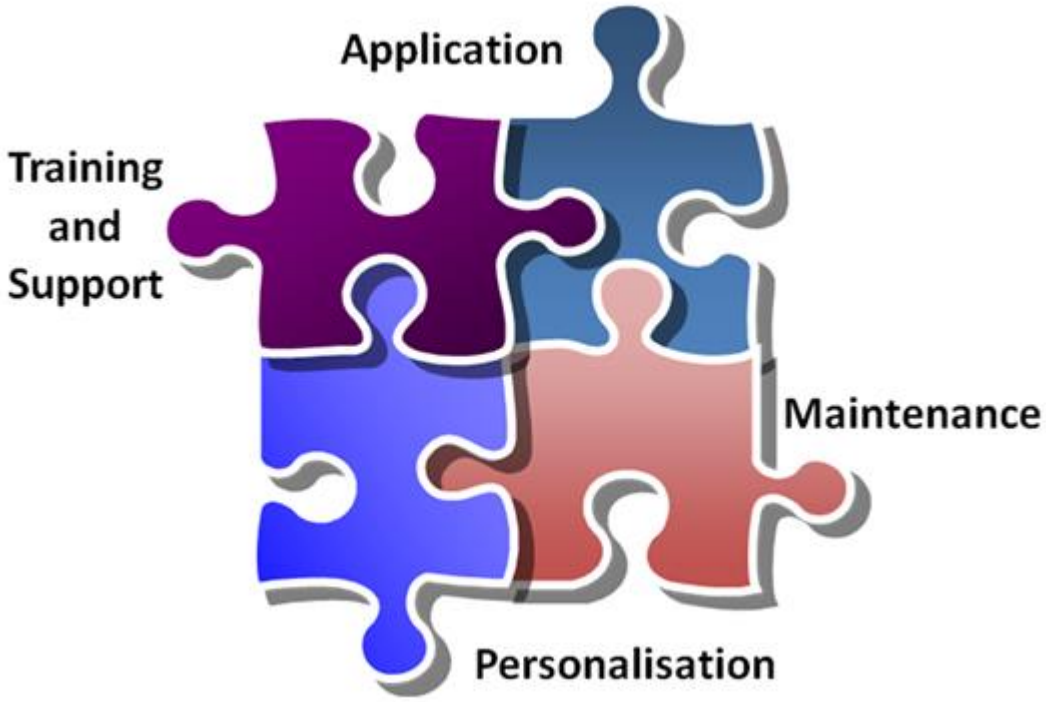
9. HUMAN RESOURCES MANAGEMENT

Service	Description
Personal information	This section contains the employees' personal information. - Identity card (Arabic and English) - Training - Spouse (Arabic and English) - Children (Arabic and English) - Address (Arabic and English) - Position (s) in the school
Payroll	Salary calculation according to Lebanese laws. The calculations are configurable; the amendments of the laws are configurable and require no intervention from our part . This module contains: - Income (salary, function ...) - Retained (Taxation, SSNF...) - Advance - Families - Distribution of Wages on classes and materials.
Human resources management	Personnel Data Collection - Absence and delays - Initial - Continuing education sessions and - Disclaimer - Previous Jobs - Rating - History of the college posts
Analytical reporting	**This module contains up to 70 reports** Series of analytical reports for school management
Excel modeling	In order to create the possibility to custom analyzing the financial data, an excel ODBC connection is created to allow the manipulation with Excel pivot and power pivot.

10. TRANSPORTATIONS AND SCHOOL BUS MANAGEMENT

Service	Description
Configurations	- Creation of routes and stations - school buses - Areas - Circuits and Stations
Rates	- Calculation of student rates according to areas
Integration with invoicing	- Rates are automatically integrated to the invoicing modules

OUR SERVICES



Our Job does not end after the application installation, but includes the following services.

Application: Installation and server configuration including upgrades and auto updates.

Training and support: effective training sessions for the personnel, for quick adaptability to the application structure. Our team is available for phone and onsite support based on clients' requests and needs.

Maintenance: Server management and continuous follow up.

Personalization: custom modifications and flexibility in adapting clients' requests for modifications or amendments.