



Innovative features: ICAI = ECM-SOF + ESL-SOF

ECM-SOF. EDIBON CLASSROOM MANAGER (INSTRUCTOR SOFTWARE)

- ▶ User Data Base Management.
- ▶ Administration and assignment of Workgroups, Tasks and Training sessions.
- ▶ Creation and Integration of Practical Exercises and Multimedia Resources.
- ▶ Custom Design of Evaluation Methods.
- ▶ Creation and assignment of Formulas & Equations.
- ▶ Equation System Solver Engine.
- ▶ Updatable Contents.
- ▶ Report generation, User Progression Monitoring and Statistics.

ESL-SOF. EDIBON STUDENT LABSOFT (STUDENT SOFTWARE)

- ▶ Student Log-In & Self-Registration.
- ▶ Existing Tasks checking & Monitoring.
- ▶ Default contents & scheduled tasks available to be used from the first session.
- ▶ Practical Exercises accomplishment by following the Manual provided by EDIBON.
- ▶ Evaluation Methods to prove your knowledge and progression.
- ▶ Test self-correction.
- ▶ Calculations computing and plotting.
- ▶ Equation System Solver Engine.
- ▶ User Monitoring Learning & Printable Reports.
- ▶ Multimedia-Supported auxiliary resources.

Imp! With additional small cost, this system can be supplied in your language.



ISO 9000: Quality Management
(for Design, Manufacturing,
Commercialization and After-sales service)



European Union Certificate
(total safety)



**Certificates ISO 14000 and
ECO-Management and Audit Scheme**
(environmental management)



**Worlddidac Quality Charter
Certificate and
Worlddidac Member**

What is ICAI Software?

ICAI incorporates E-Learning into the curriculum in response to one of the **instructor's** main tasks, providing the **students** the right tools to learn by themselves in the most efficient and painless way.

The ICAI, Interactive Computer Aided Instructor Software System, helps both the teacher and the students.

a) It helps the **teachers** by:

- a. Scheduling their classes and tasks easily.
- b. Checking in real time what any student is doing and enabling the instructors to teach faster and more efficiently.
- c. Supervising the students understanding progress and level, questions and answers as well as the whole class evolution.
- d. Ensuring more individual attention.
- e. Adapting the learning patterns.
- f. Reducing the preparation time for lessons.
- g. Teaching easily.

b) It helps the **students** by:

- a. Enabling them to understand the operation of any EDIBON Teaching Unit and the principles involved easily. This software can be used for all manual computer controlled EDIBON SCADA units.
- b. Providing them modern tools so that they are able to get clear ideas and quick understanding.
- c. Saving time.

Why ICAI Software?

Wide variety of **contents for any Area** (Electricity, Electronics, Fluid Mechanics, Thermodynamics...). These contents are divided into:

- a. Practical Exercises: Practical Exercises Manual & Multimedia Resources.
- b. Tests: **Two types of Evaluation Methods**: Training Test & Exams.
- c. Calculations: **Formula Packages related to the different Units** and a Spreadsheet tool to compute, compare and plot the results obtained in the laboratory and the theoretical ones. It also includes an **Equation System Solver Engine**.
- d. Graphical Results: **Custom Reports & Results**: Monitoring the Users & Workgroups progression.

Advantages of ICAI Software?

- ▶ **Start working from the first day**: EDIBON provides a huge variety of default contents & scheduled tasks available to be used from the first session.
- ▶ **Updatable Contents**: The provided material can be periodically updated.
- ▶ **Easy integration of own resources**: You can design/edit/remove your own contents & tasks.
- ▶ **Self-correction**: All tests are automatically evaluated by ICAI System Software.
- ▶ **Multimedia-Supported auxiliary resources**: Animations, Videos, Pictures, Audios, detailed Question Explanations and so on that can be shown to expand the student knowledge.
- ▶ **Printable Reports & Statistics**: Generate and export summarized information in different formats (**Tables, Histograms, Progression plots...**) related to the current status and results of the jobs planned for individual Users/Units/Tasks/Workgroups.

The ICAI, **Interactive Computer Aided Instruction Software System**, comprises the following programs: EDIBON CLASSROOM MANAGER (ECM-SOF) and EDIBON STUDENT LABSOFT (ESL-SOF).

ECM-SOF. EDIBON CLASSROOM MANAGER (INSTRUCTOR SOFTWARE)

ECM-SOF is the application that allows the Instructor to register students, manage and assign tasks for workgroups, create own content to carry out Practical Exercises, choose one of the evaluation methods to check the Student knowledge and monitor the progression related to the planned tasks for individual students, workgroups, units, etc... **so the teacher can know in real time the level of understanding of any student in the classroom.**



1. ECM-SOF. EDIBON Classroom Manager Software Application.

It includes the following Program Packages:



1.1 EUS. EDIBON Users Program Package.
User Data Base Management.



1.4 ETTE. EDIBON Training Test & Exam Program Package.
Custom Design of Evaluation Methods.



1.2 EWT. EDIBON Workgroups & Tasks Program Package.
Administration and assignment of Workgroups, Tasks and Training sessions.



1.5 ECAL. EDIBON Calculations Program Package.
Creation and assignment of Formulas & Equations.



1.3 EPE. EDIBON Practical Exercises Program Package.
Creation and Integration of Practical Exercises and Multimedia Resources.



1.6 ERS. EDIBON Results & Statistics Program Package.
Report generation, User Progression Monitoring and Statistics.

ESL-SOF. EDIBON STUDENT LABSOFT (STUDENT SOFTWARE)

ESL-SOF is the application addressed to the Students that helps them to understand theoretical concepts by means of practical exercises and to prove their knowledge and progression by performing tests and calculations in addition to Multimedia Resources. Default planned tasks and an Open workgroup are provided by EDIBON to allow the students start working from the first session. Reports and statistics are available to know their progression at any time, as well as explanations for every exercise to reinforce the theoretically acquired technical knowledge.



2. ESL-SOF. EDIBON Student LabSoft Software Application.

It includes the following Program Packages:



2.1 EUS. EDIBON Users Program Package.
Student Log-In & Self-Registration.



2.4 ETTE. EDIBON Training Test & Exam Program Package.
Evaluation Methods to prove the student's knowledge and progression.



2.2 EWT. EDIBON Workgroups & Tasks Program Package.
Existing Tasks checking & monitoring.



2.5 ECAL. EDIBON Calculations Program Package.
Calculations computing and plotting.

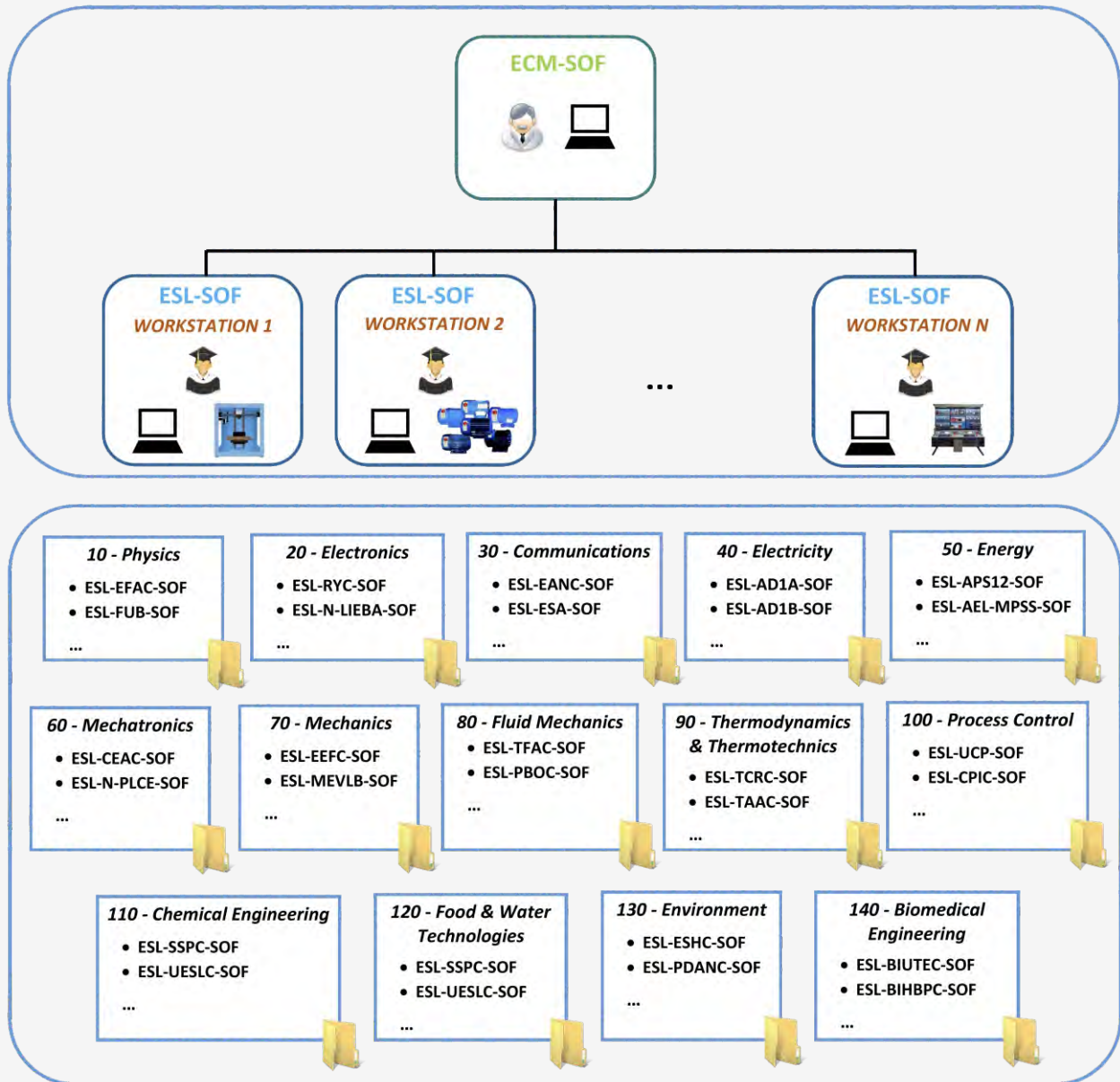


2.3 EPE. EDIBON Practical Exercises Program Package.
Practical Exercises accomplishment by following the Manual provided by EDIBON.

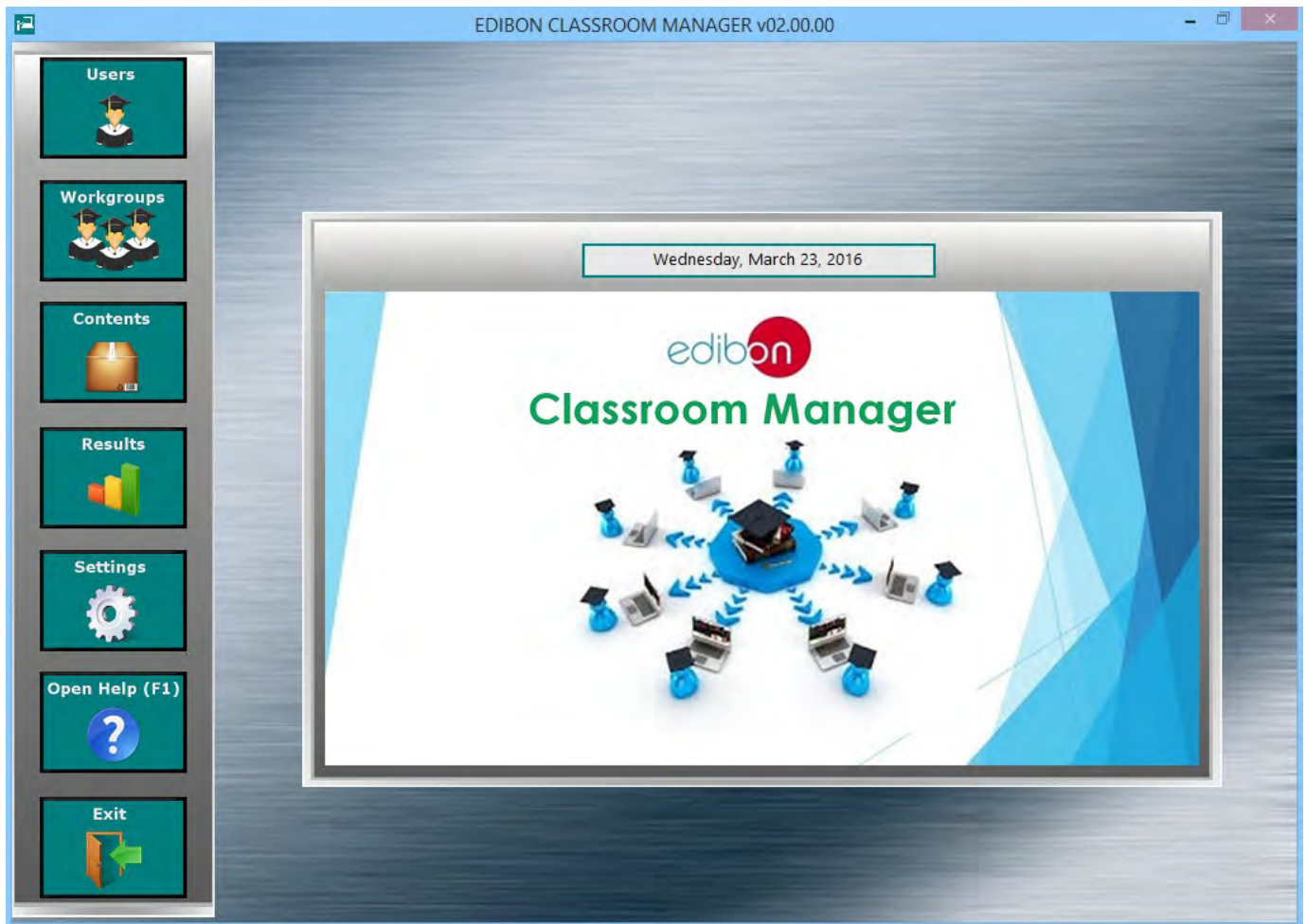


2.6 ERS. EDIBON Results & Statistics Program Package.
Student results monitoring.

The following picture shows a Laboratory incorporating the ICAI Software System in several Workstations:



* Contents included for all ECM-SOF and ESL-SOF Workstations.

1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

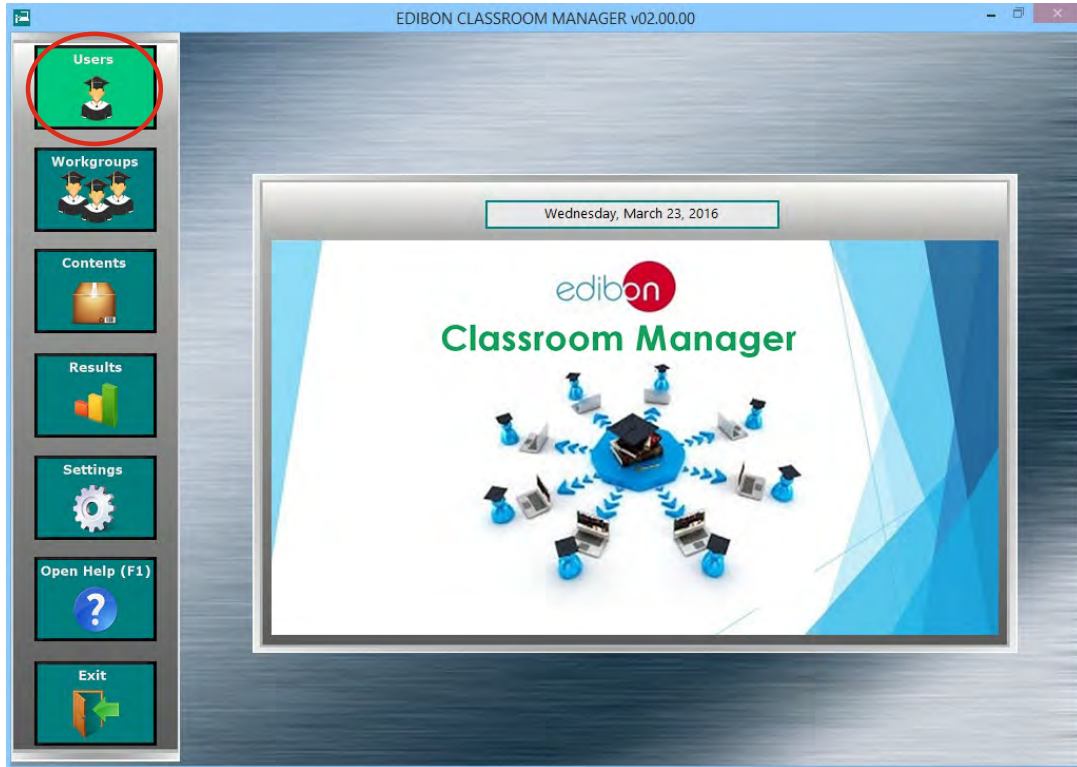
ECM-SOF. EDIBON Classroom Manager Software Application includes the following Software Packages:

- 1.1. Users Program Package.
- 1.2. Workgroups & Tasks Program Package.
- 1.3. Practical Exercises Program Package.
- 1.4. Training Test & Exam Program Package.
- 1.5. Calculations Program Package.
- 1.6. Results & Statistics Program Package.
- 1.7. Options & Tools Program Package.
- 1.8. Context Help Program Package.

1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.1. Users Program Package

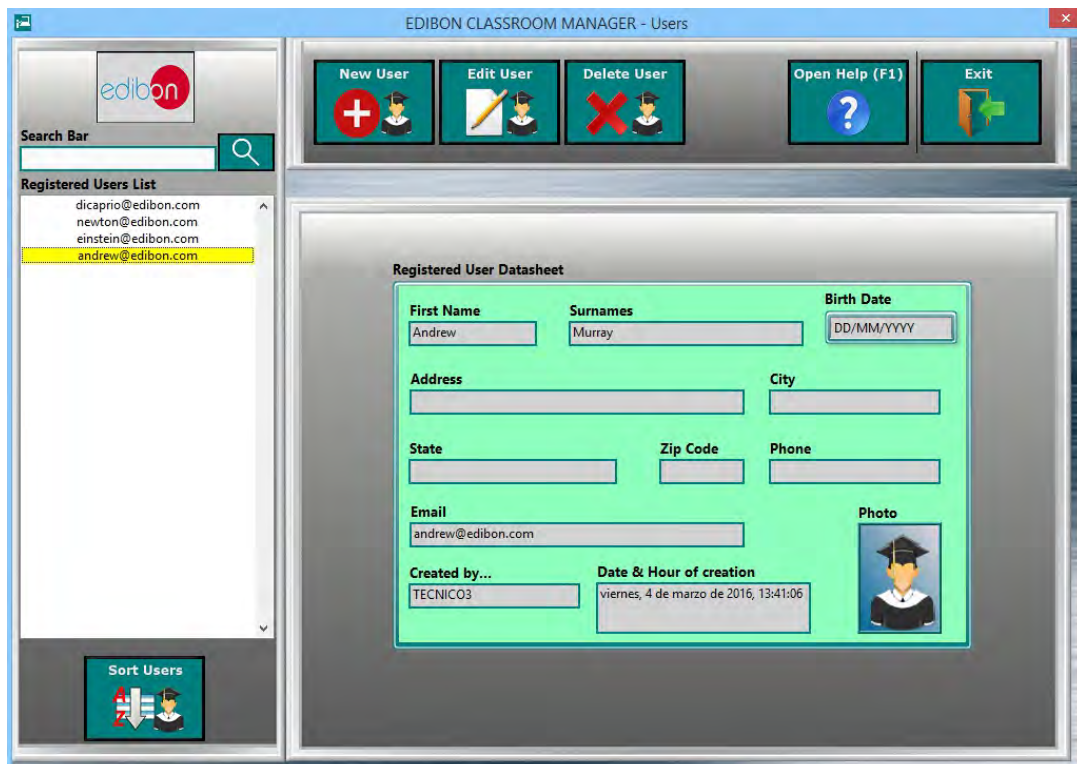
ECM-SOF. EDIBON Classroom Manager Software Application main screen



The Users Program Package includes the following modules:

- 1.1.1. **Independent User Data Base.** All the information about the registered users is stored here. This Data Base is exclusively managed by the Instructor.
- 1.1.2. **Addition, deletion, viewing and editing** of users. These features provide the Instructor total control over the User Data Base.
- 1.1.3. **User Search Engine**, allowing to find a specific student.
- 1.1.4. **User Sort Tool**, allowing to organize the students list.
- 1.1.5. **User-Friendly** management interface.

USERS Program Package screen

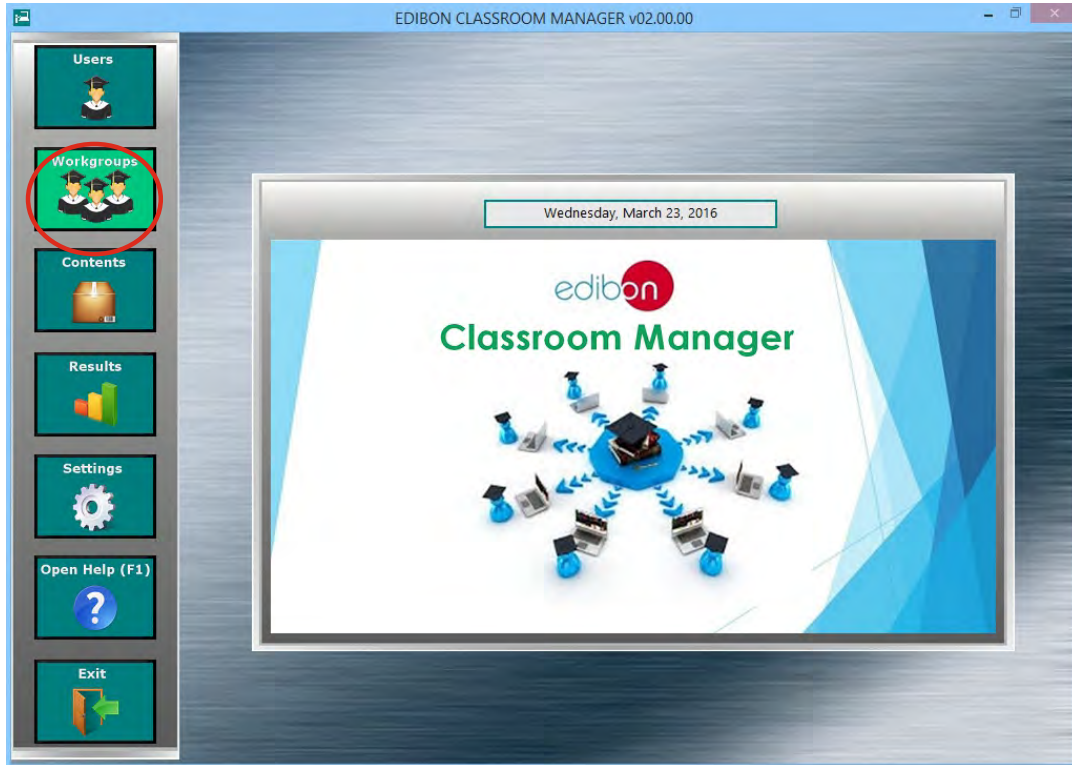


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1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.2. Workgroups & Tasks Program Package

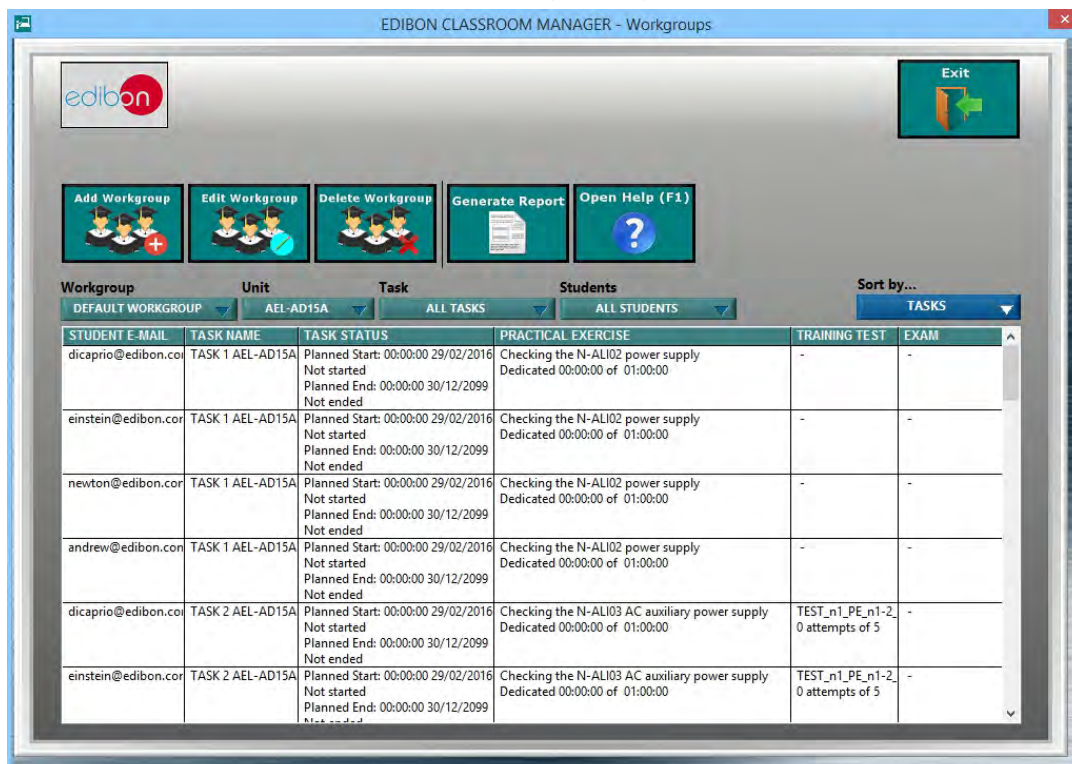
ECM-SOF. EDIBON Classroom Manager Software Application main screen



The Workgroups & Tasks Program Package includes the following modules:

- 1.2.1. **Addition, deletion, viewing and editing** of user Workgroups. These features provide the Instructor total control over any existing Workgroup.
- 1.2.2. **Default Workgroup with Default planned Tasks** to start working from the first day, and pre-configured by EDIBON for each one of your EDIBON Teaching Units.
- 1.2.3. **Task Progression and Status control**, presenting the current status of the planned jobs for each individual task in a summary table format.
- 1.2.4. **Printable Report** for Workgroups in a summary table format to export the information presented in this software to a pretty similar format.
- 1.2.5. **Workgroups Status Monitoring**. As Instructor, you will be up to date about the status of the scheduled jobs for any Workgroup and any of its members.
- 1.2.6. **Restore Default settings** without needing to the reinstall the software again.

WORKGROUPS & TASKS Program Package - Main Screen



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1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.2. Workgroups & Tasks Program Package (continuation)

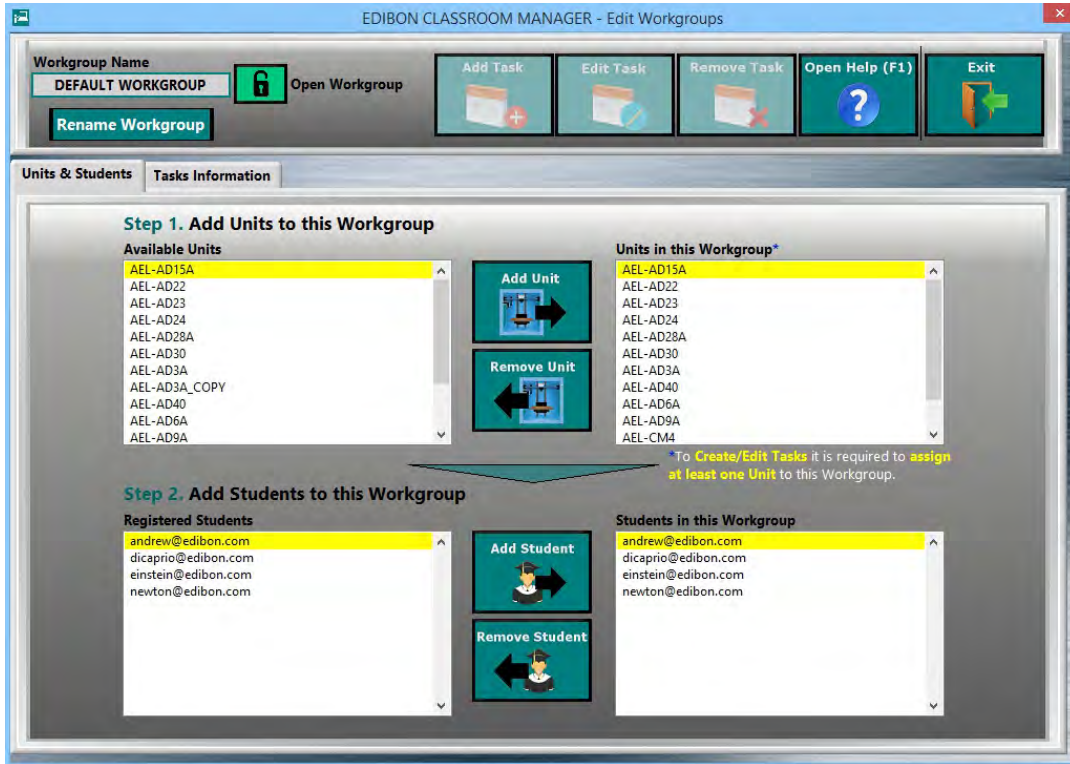
1.2.7. Two kind of Access to a Workgroup:

- a) Limited: Only the Instructor determines which users can access.
- b) Open: Every registered user will be able to access.

1.2.8. Assignment of Units and users to each Workgroup allowing to work with one or more specific Units.

1.2.9. **Multi-User** for each Unit and **Multi-Unit** for each user. Consequently, several users can work with a specific Unit as well as any user can work with several Units.

WORKGROUPS & TASKS Program Package – Users & Units Assignment Screen

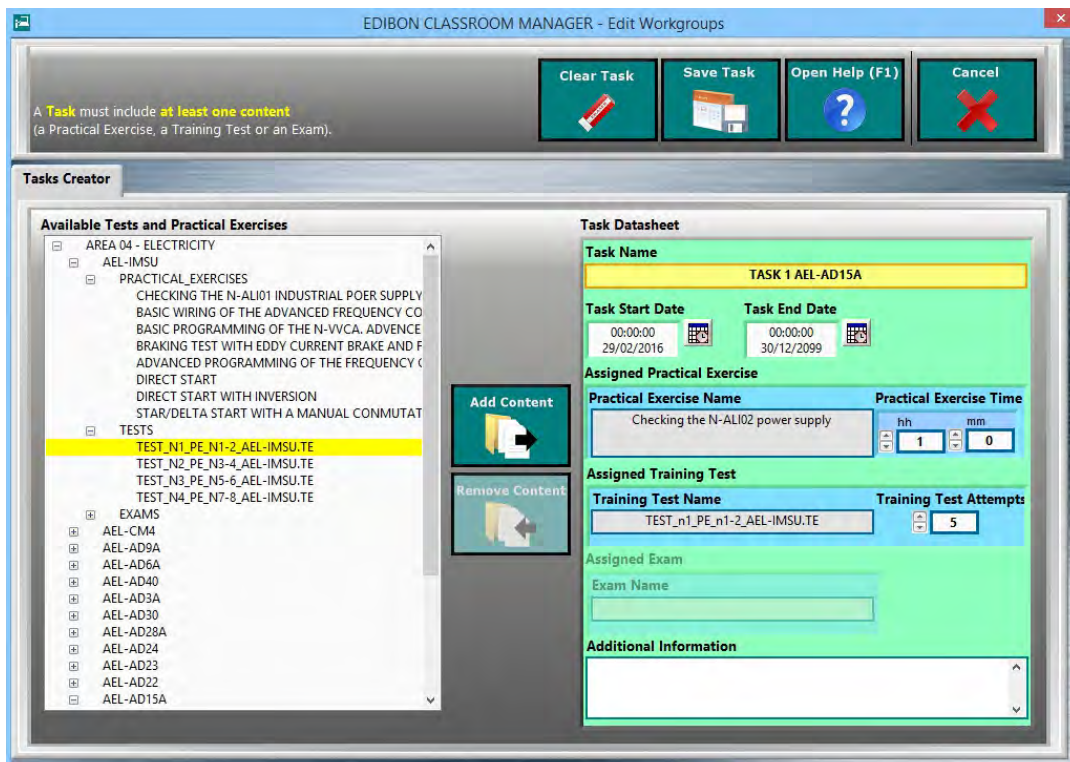


1.2.10. Assignment of an unlimited number of Tasks to work with each one of the Units assigned to any Workgroup.

1.2.11. **Multi-Contents** for each Task to understand the main concepts inherent to each Unit.

1.2.12. **Time Control** and **maximum number of attempts** for each job scheduled for each task.

WORKGROUPS & TASKS Program Package – Tasks Assignment Screen

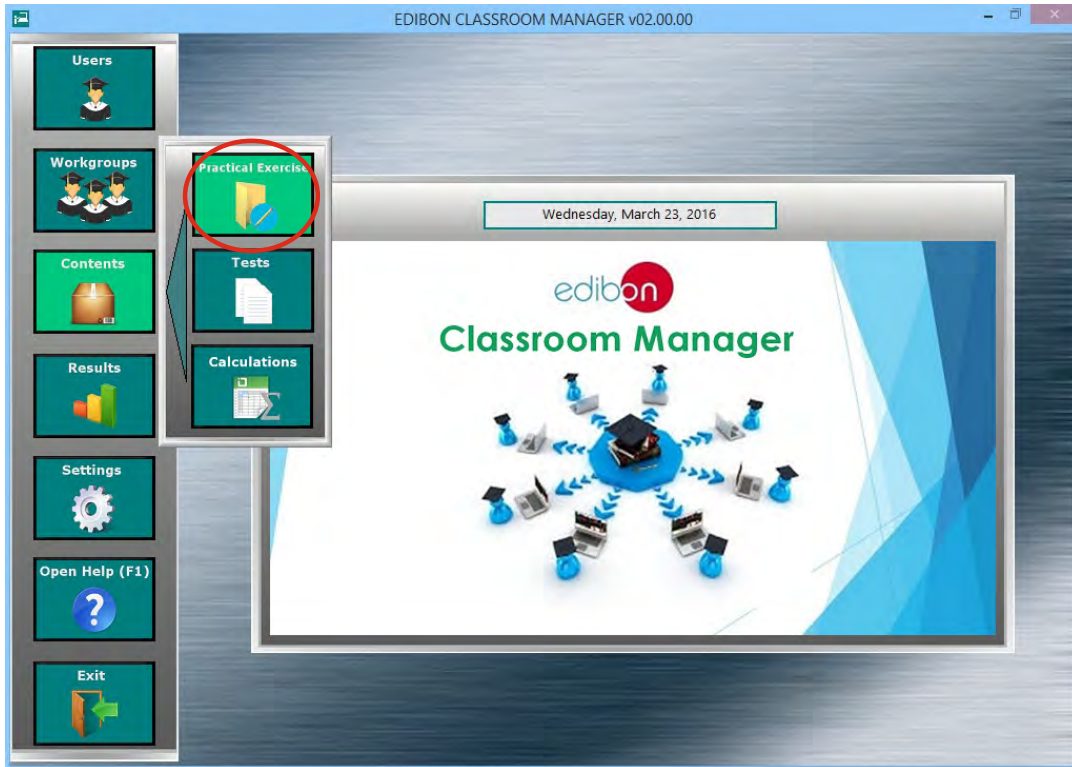


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1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.3. Practical Exercises Program Package

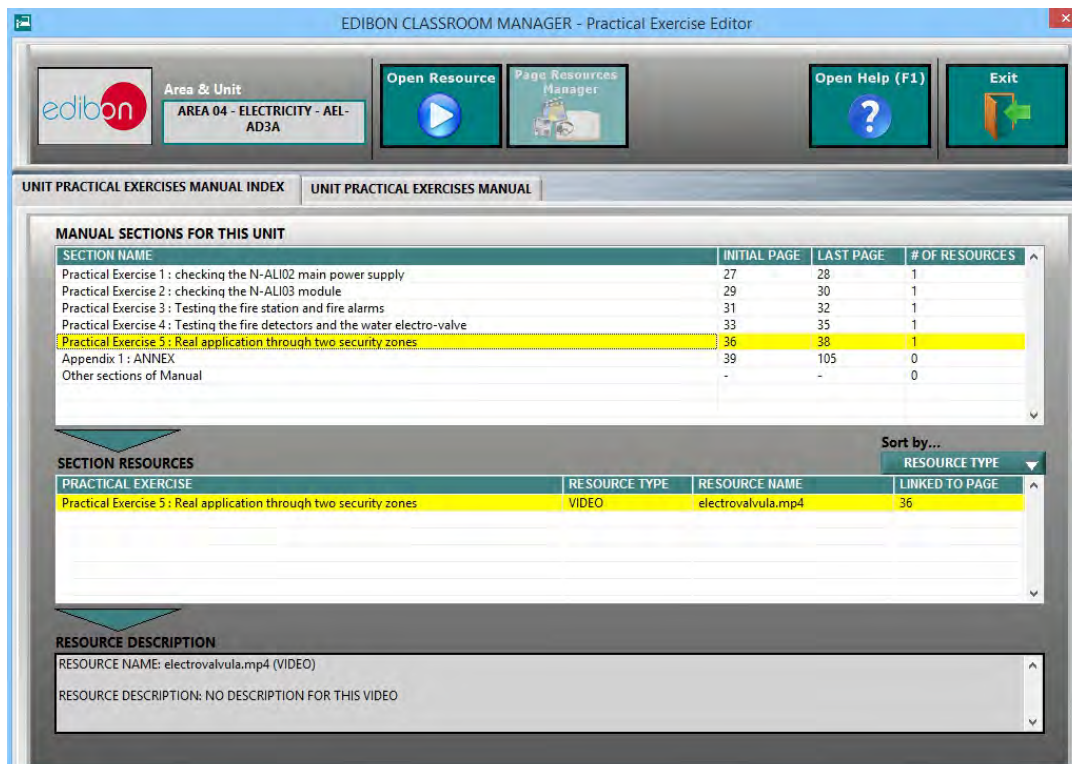
ECM-SOF. EDIBON Classroom Manager Software Application main screen



The Practical Exercises Program Package includes the following modules:

- 1.3.1. **Addition, deletion, viewing and editing** of Practical Exercises. These features provide the Instructor total control to configure any Practical Exercise.
- 1.3.2. **Practical Exercises Sections & Contents Index**, providing an overview of the number of Practical Exercises to perform with each Unit.
- 1.3.3. **A complete set of Practical Exercises with default Multimedia Resources** (Audios, Videos, Animations, Pictures...) are provided by EDIBON for each one of your Units.

PRACTICAL EXERCISES Program Package – Sections & Contents Index Screen



Continue...

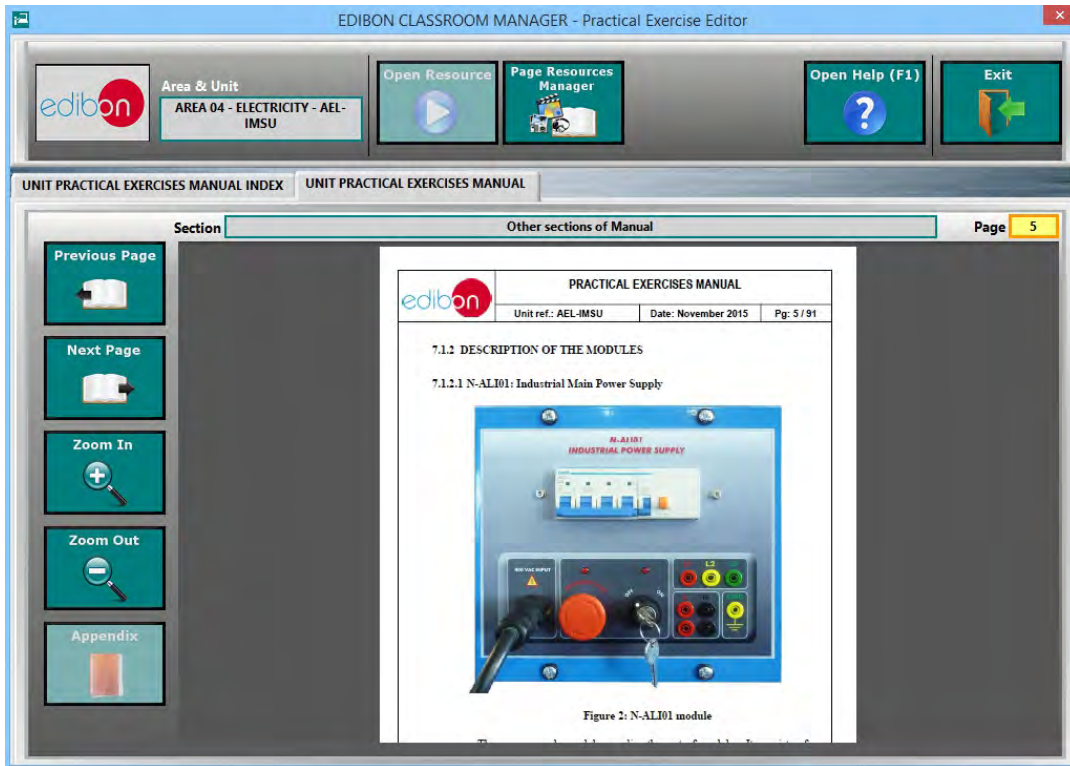
1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.3. Practical Exercises Program Package (continuation)

1.3.4. PDF format for Practical Exercises Manual.

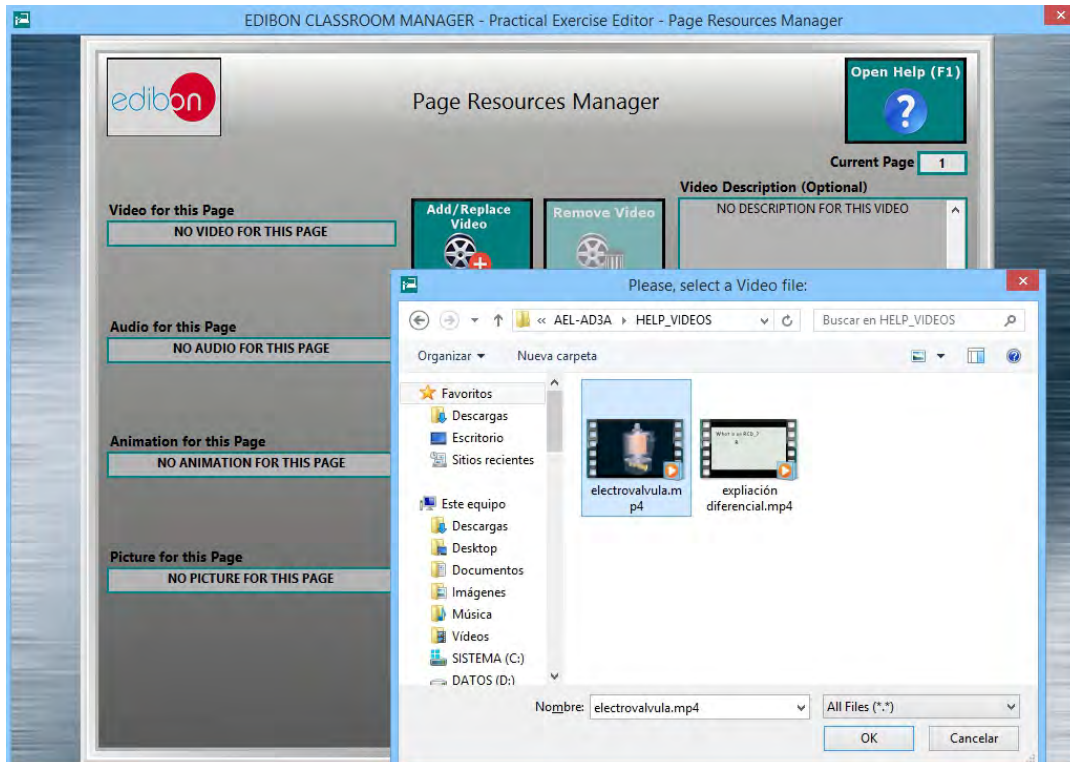
1.3.5. Practical Exercises Manual Navigation Tools allowing to move faster through the manual as well as to focus on some specific sections of it.

PRACTICAL EXERCISES Program Package – PDF Manual Screen



1.3.6. Practical Exercise Multimedia Resources Management allowing managing your own Multimedia Resources, attached to the Practical Exercises Manual.

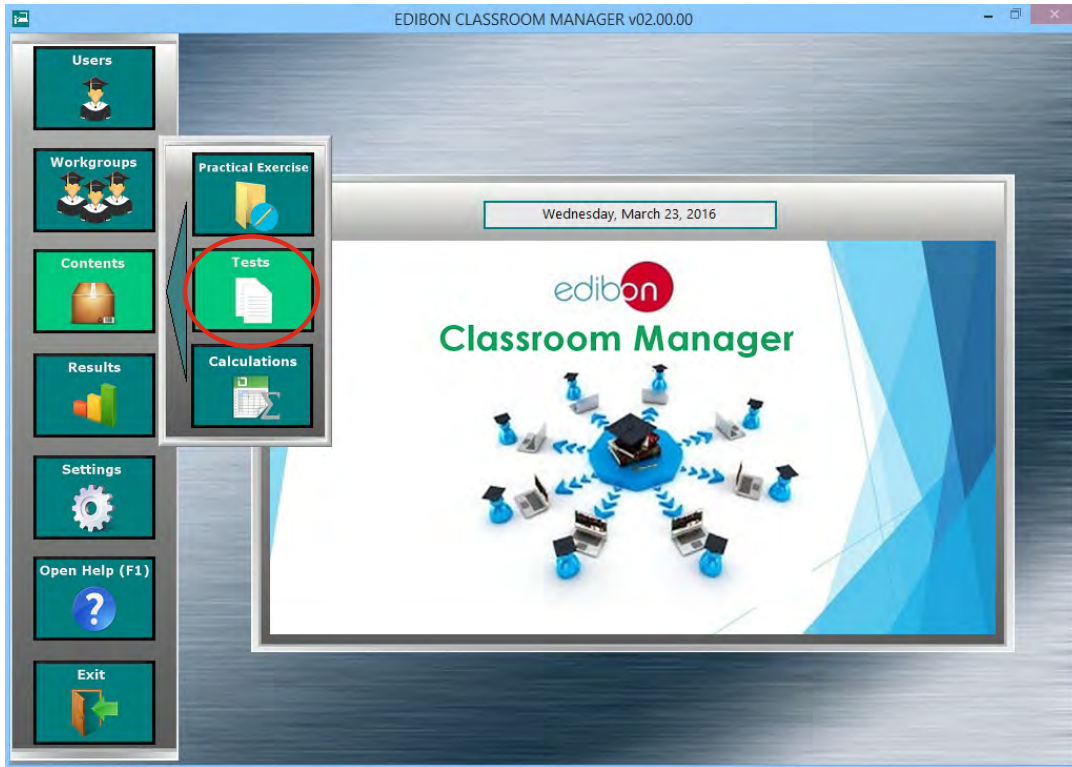
PRACTICAL EXERCISES Program Package – Multimedia Resources Management Screen



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.4. Training Test & Exam Program Package

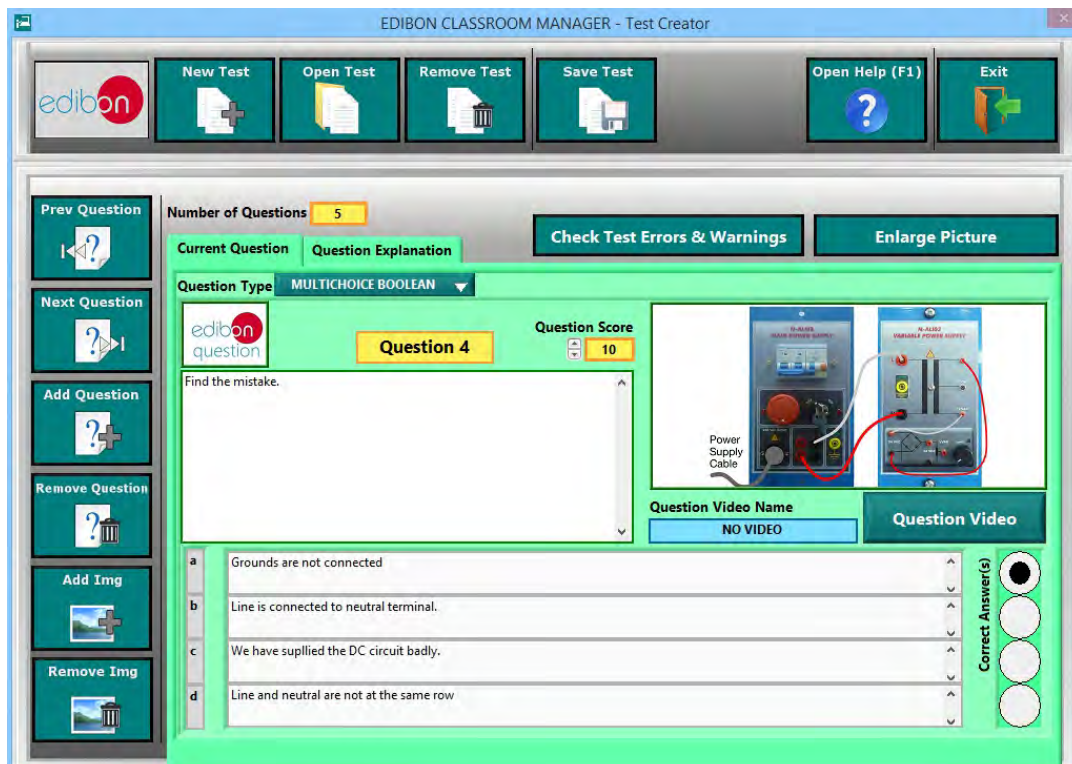
ECM-SOF. EDIBON Classroom Manager Software Application main screen



The Training Test & Exam Program Package includes the following modules:

- 1.4.1. **Addition, Deletion, Viewing and Editing** of Training Tests and Exams. These features provide the Instructor total control to configure any Training Test and Exam.
- 1.4.2. **Test Errors & Warnings Checker**, providing additional help and tips during the Test creation/edition process.
- 1.4.3. **Multi-Choice and Numeric Result** Questions, **aided by Multimedia Resources** to evaluate the knowledge acquired by the users in a more versatile way.

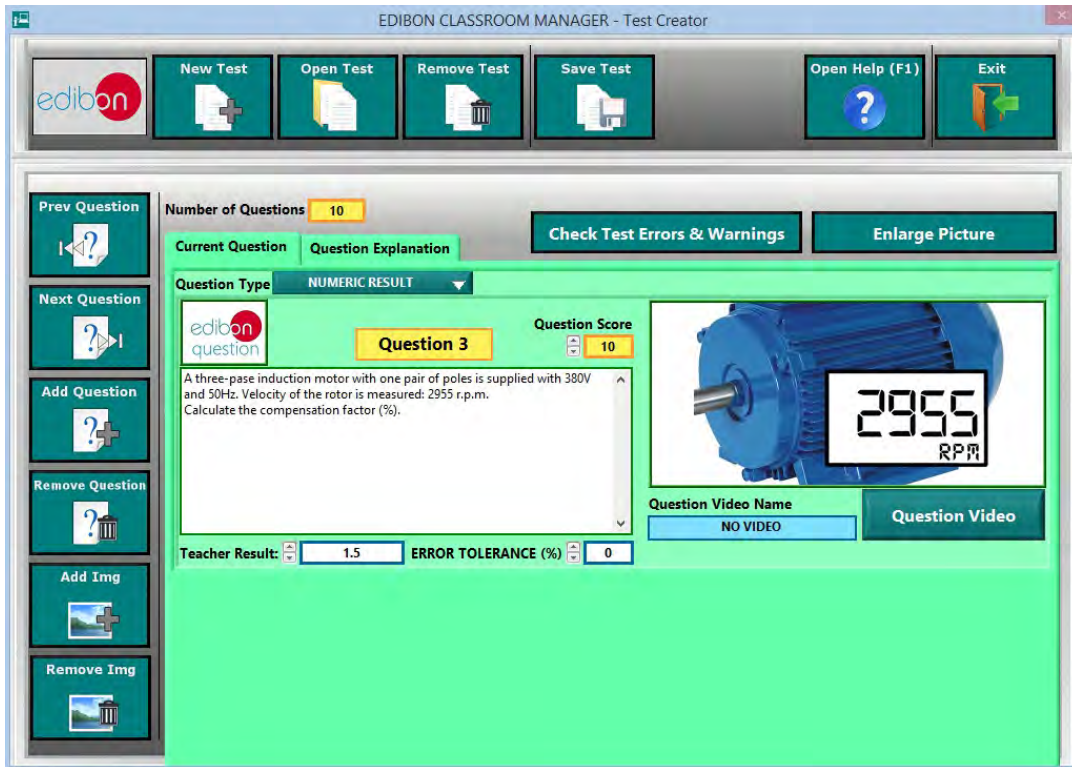
TRAINING TEST & EXAM Program Package – Main Screen with Multi-Choice Question



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

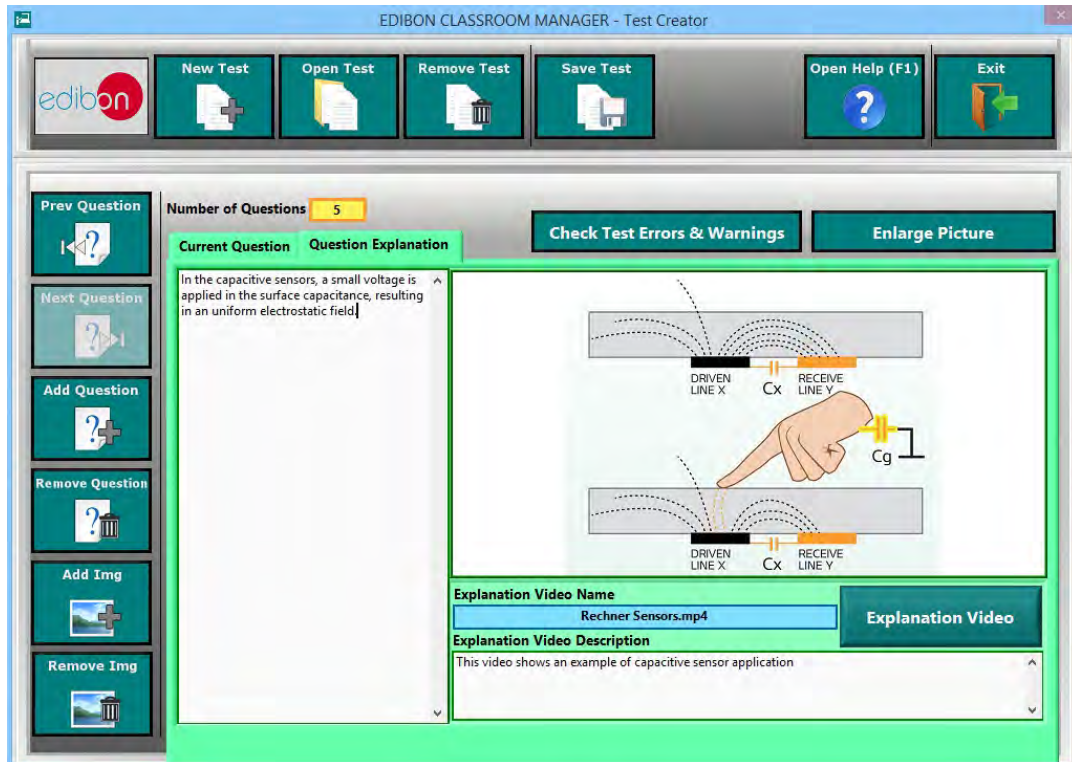
1.4. Training Test & Exam Program Package (continuation)

TRAINING TEST & EXAM Program Package – Main Screen with Numeric Result Question



1.4.4. Question and Explanations, aided by Multimedia Resources allowing to explain the answers to the users.

TRAINING TEST & EXAM Program Package – Main Screen with Question Explanation

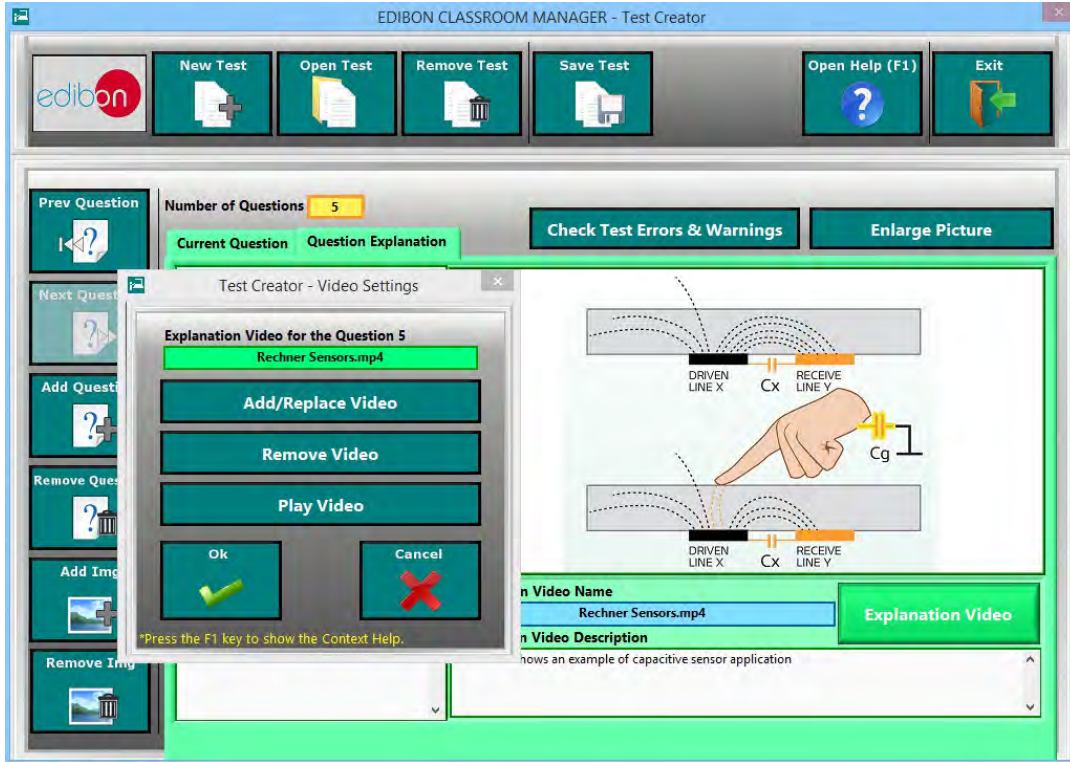


1. ECM-SOF. **EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION**

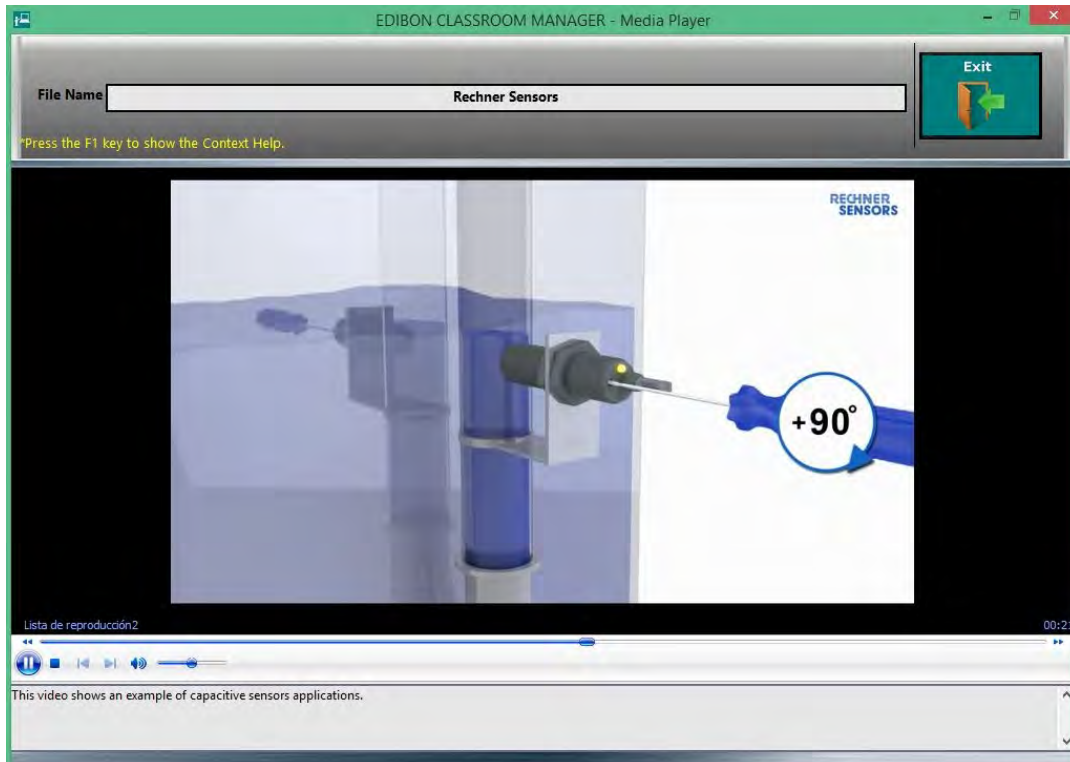
1.4. Training Test & Exam Program Package (continuation)

- 1.4.5. Collection of Training Tests and Exams provided by EDIBON for each Unit to allowing to start working from the first day.
- 1.4.6. Multimedia Resources Management. Attach your own Pictures and Videos to each individual Question as well as to its explanation.

TRAINING TEST & EXAM Program Package – Main Screen: Multimedia Resources edition



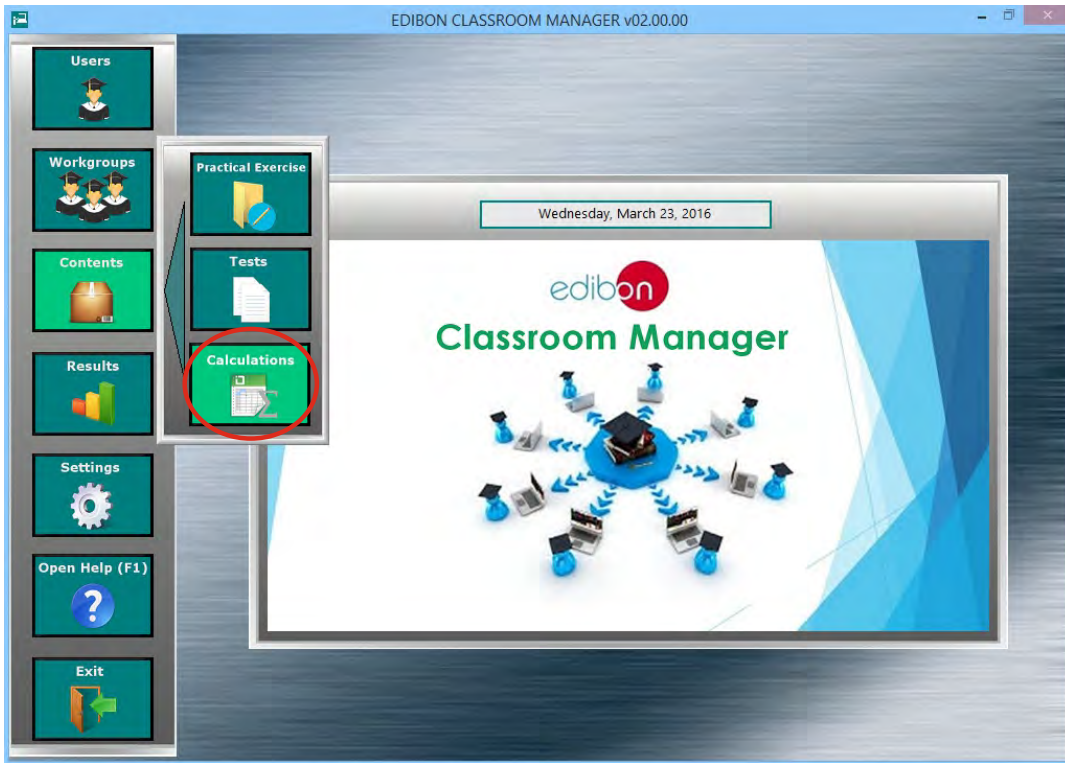
TRAINING TEST & EXAM Program Package – Question Explanation Video



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.5. Calculations Program Package

ECM-SOF. EDIBON Classroom Manager Software Application main screen



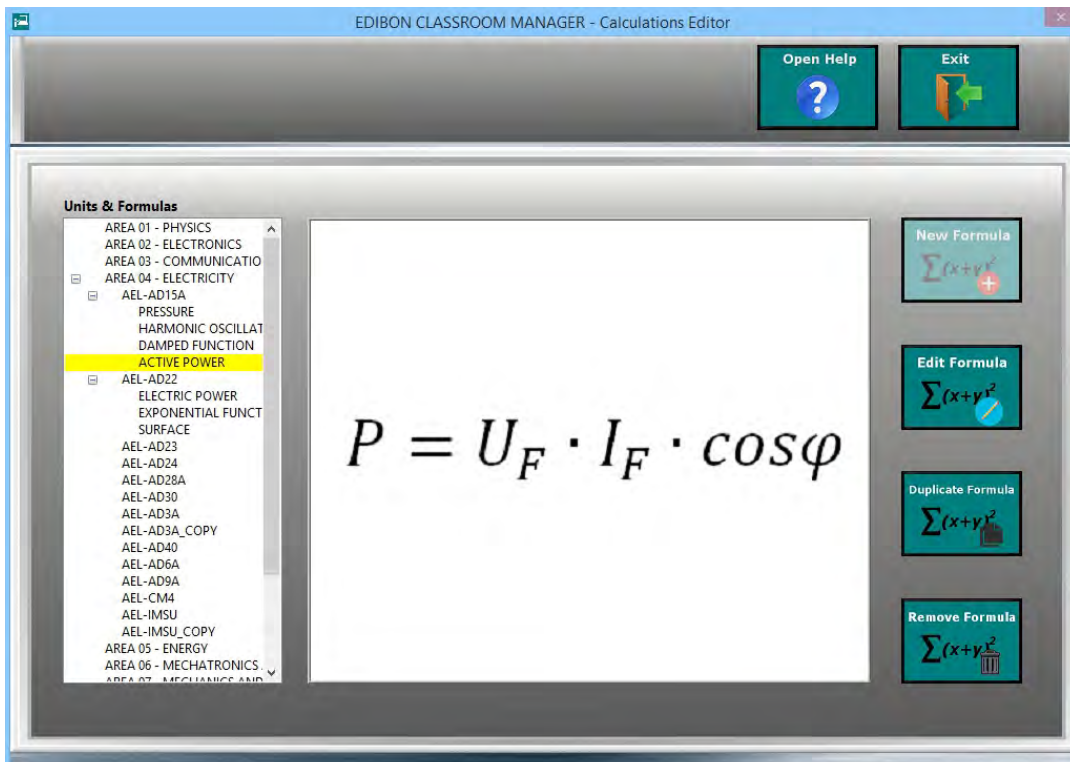
The Calculations Program Package includes the following software package:

1.5.1. Formula Creator Program Package.

The Formula Creator Program Package includes the following modules:

- 1.5.1.1. **Formula Viewer.** All formulas of all units can be displayed, edited, copied to another unit and removed.
- 1.5.1.2. **Several expressions** linked to the Practical Exercises of the different Units.

FORMULA CREATOR Program Package - Formula Viewer screen



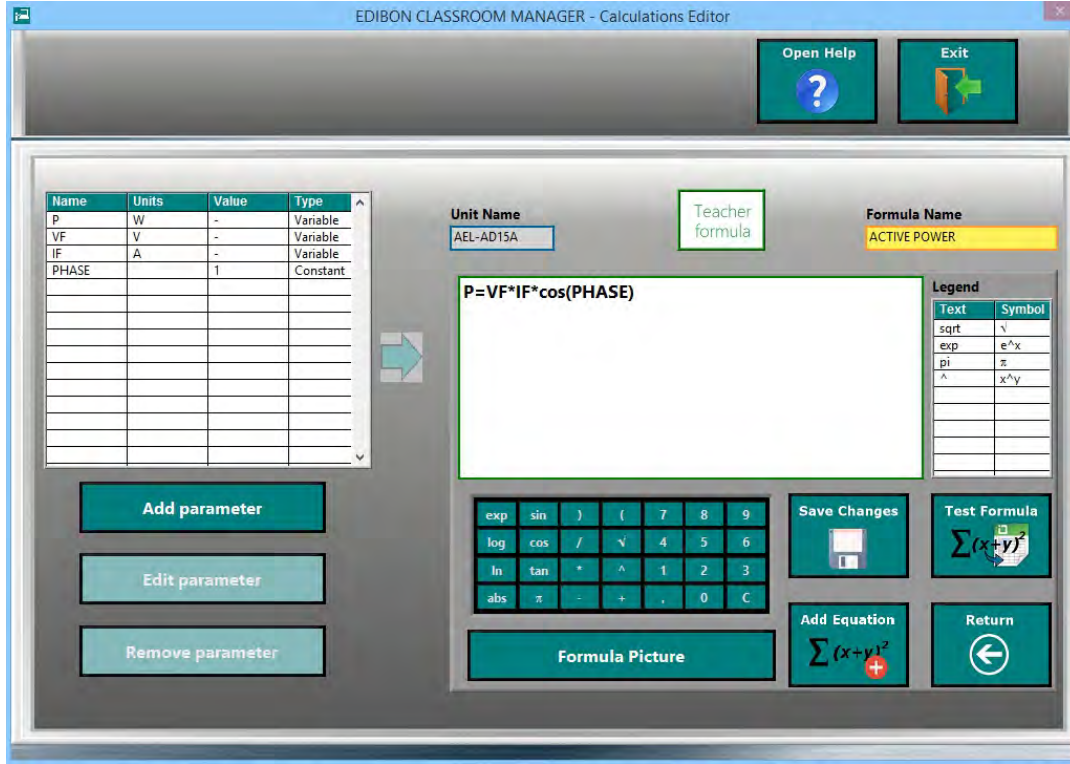
1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.5. Calculations Program Package (continuation)

1.5.1. Formula Creator Program Package (continuation)

- 1.5.1.3. **Formula Editor** for Practical Exercise of the different Units. This feature allows to create new formulas and to edit the existing ones.
- 1.5.1.4. **Unit and Parameter Viewer** to add/edit/remove all the parameters (variables & constants) of a formula.

FORMULA CREATOR Program Package - Formula Editor screen (I)

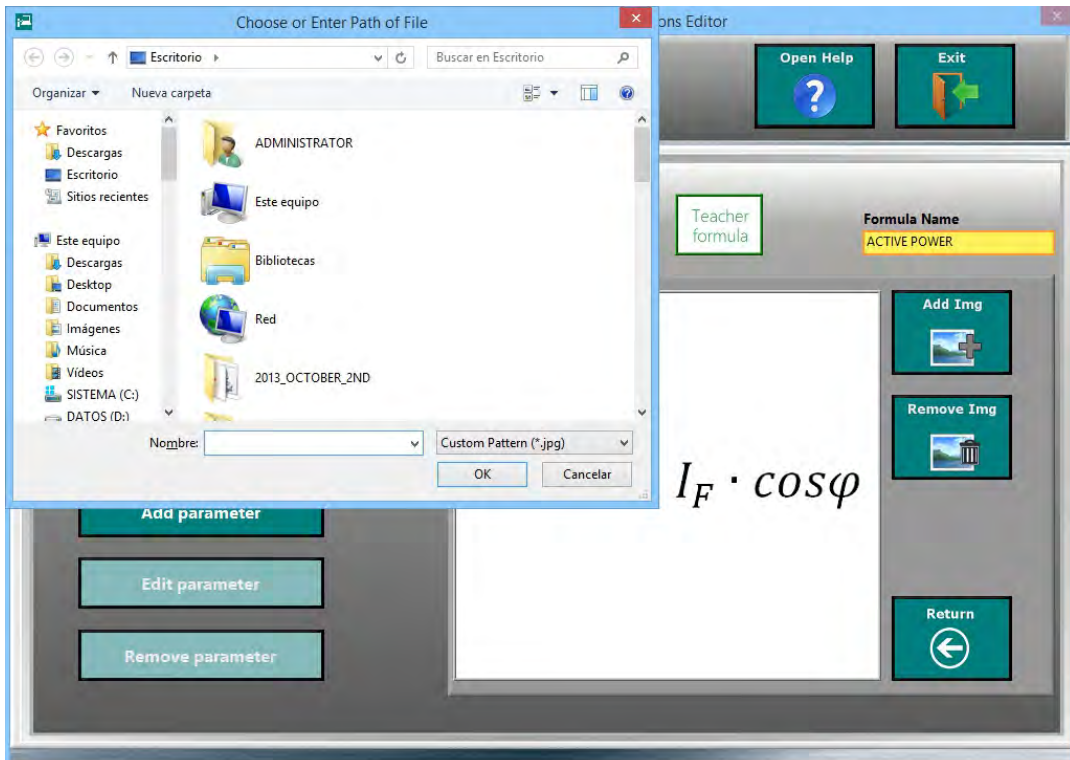


1.5.1.5. **Formula Preview.**

1.5.1.6. **Formula Tester.** Every Formula can be tested by using the Spreadsheet & Formulas Package.

1.5.1.7. **Auxiliary Formula Picture** automatically generated by the software or manually added by the Instructor.

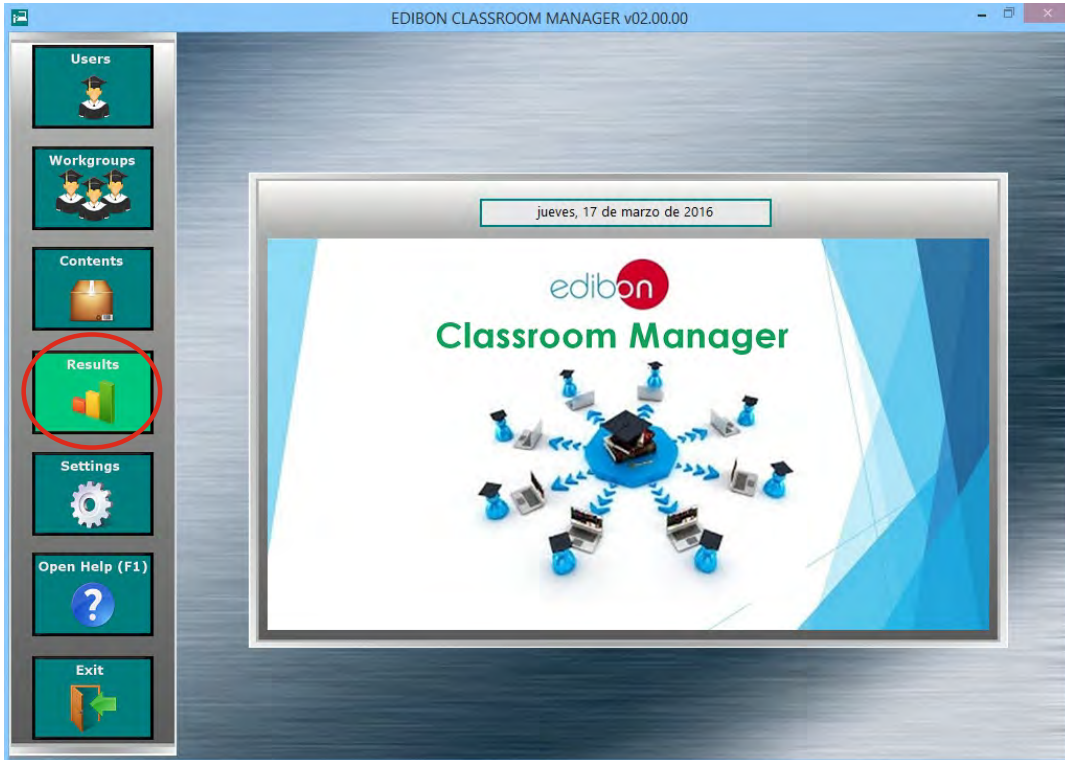
FORMULA CREATOR Program Package- Formula Editor screen (II)



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package

ECM-SOF. EDIBON Classroom Manager Software Application main screen



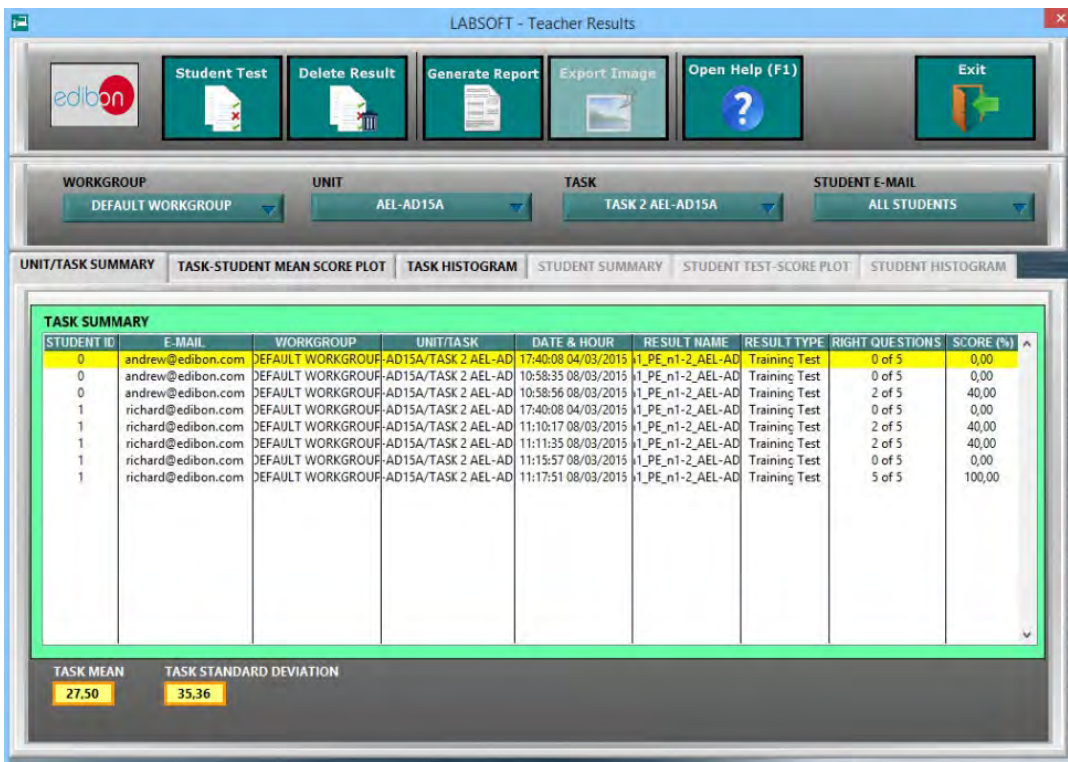
The Results & Statistics Program Package includes the following software package:

1.6.1. Reports & Results Management Program Package.

The Formula Creator Program Package includes the following modules:

- 1.6.1.1. Detailed Result **sorted by Workgroups, by Work-Units, by Tasks and by Users**. These results are presented in a summary table format.
- 1.6.1.2. **Viewing and deletion** of specific Results. The Instructor is able to open a specific result to view it into detail as well as to remove the ones he/she considers.

REPORTS & RESULTS MANAGEMENT Program Package - Main Screen



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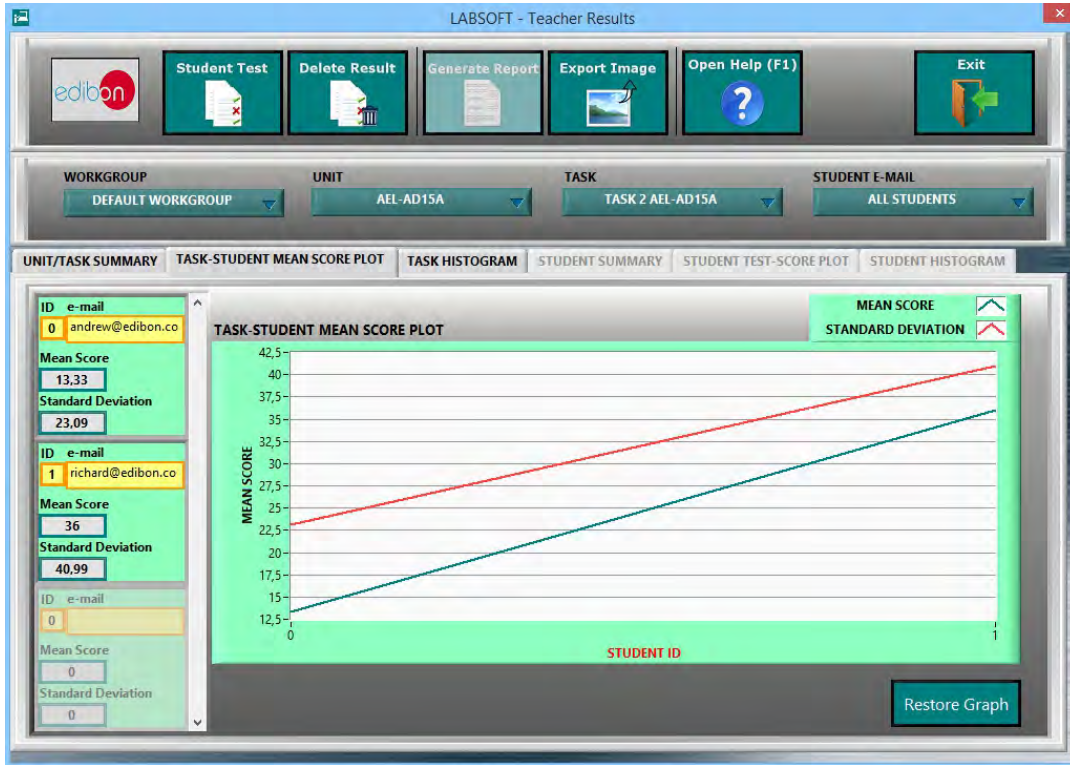
1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package (continuation)

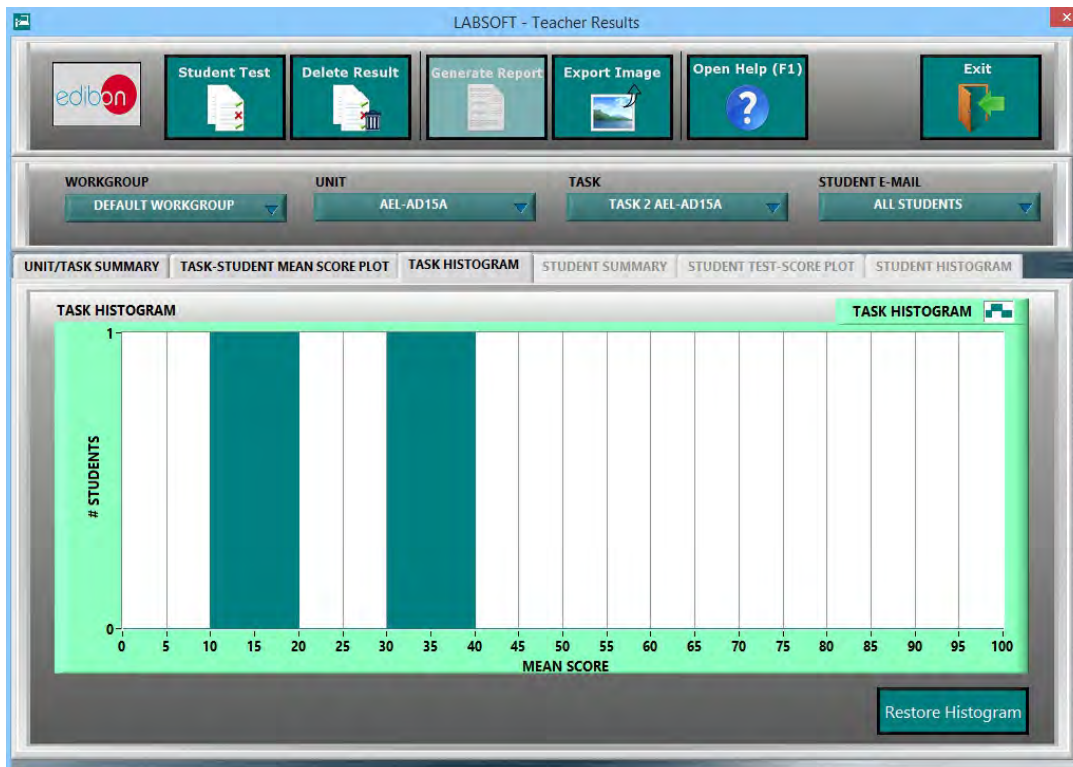
1.6.1. Reports & Results Management Program Package (continuation)

1.6.1.3. **Result Statistics:** Some statistics such as **Mean Scores** and **Standard Deviations** as well as representations such as **Histograms** are shown.

REPORTS & RESULTS MANAGEMENT Program Package - Result Statistics (I)



REPORTS & RESULTS MANAGEMENT Program Package - Result Statistics (II)



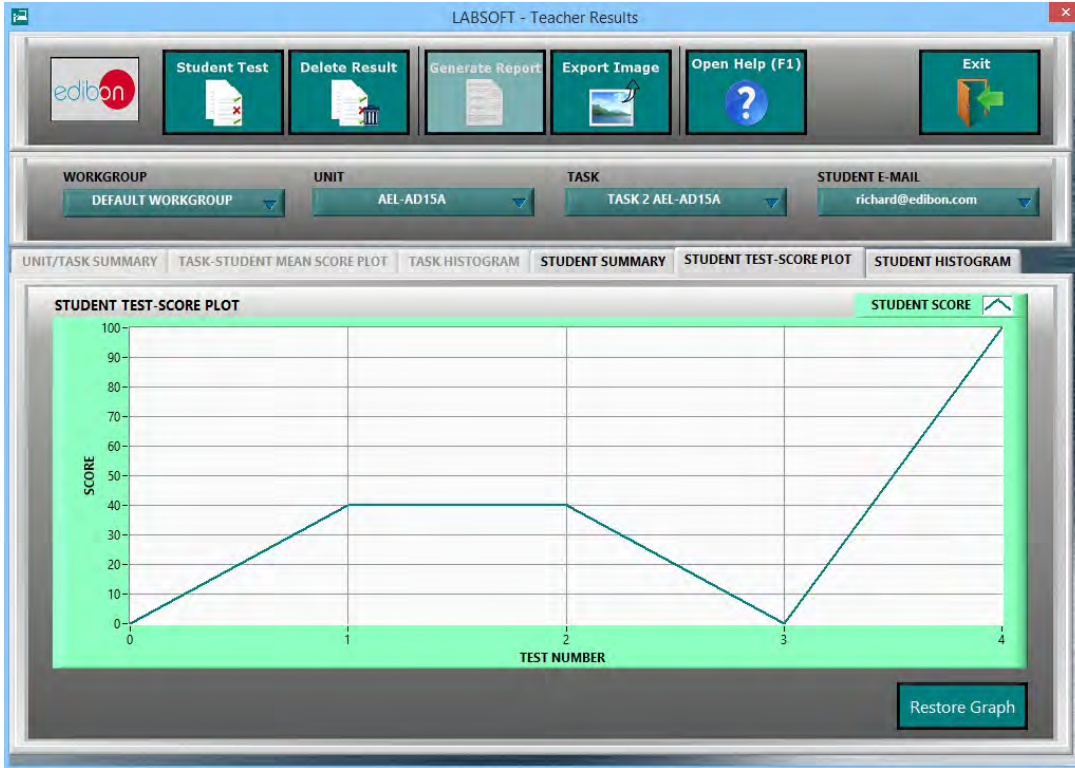
1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package (continuation)

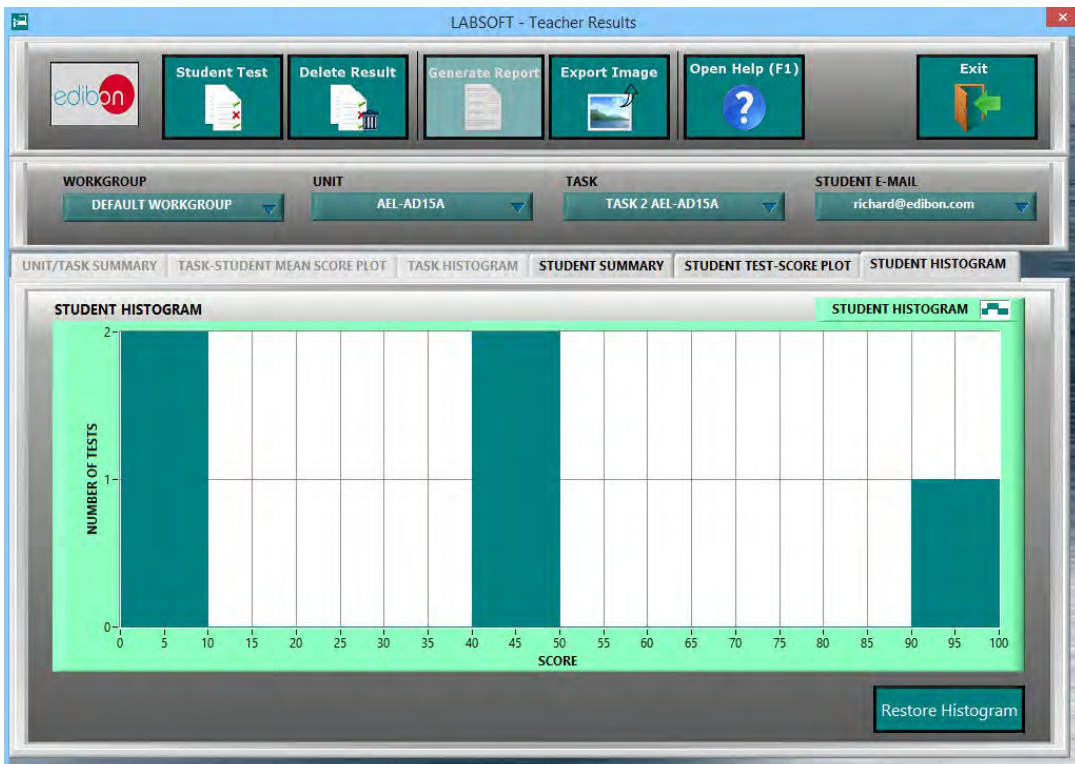
1.6.1. Reports & Results Management Program Package (continuation)

1.6.1.4. Detailed User Progression: Spreadsheet, Graphics & Text.

REPORTS & RESULTS MANAGEMENT Program Package - Student Scores Progression



REPORTS & RESULTS MANAGEMENT Program Package - Student Scores Histogram



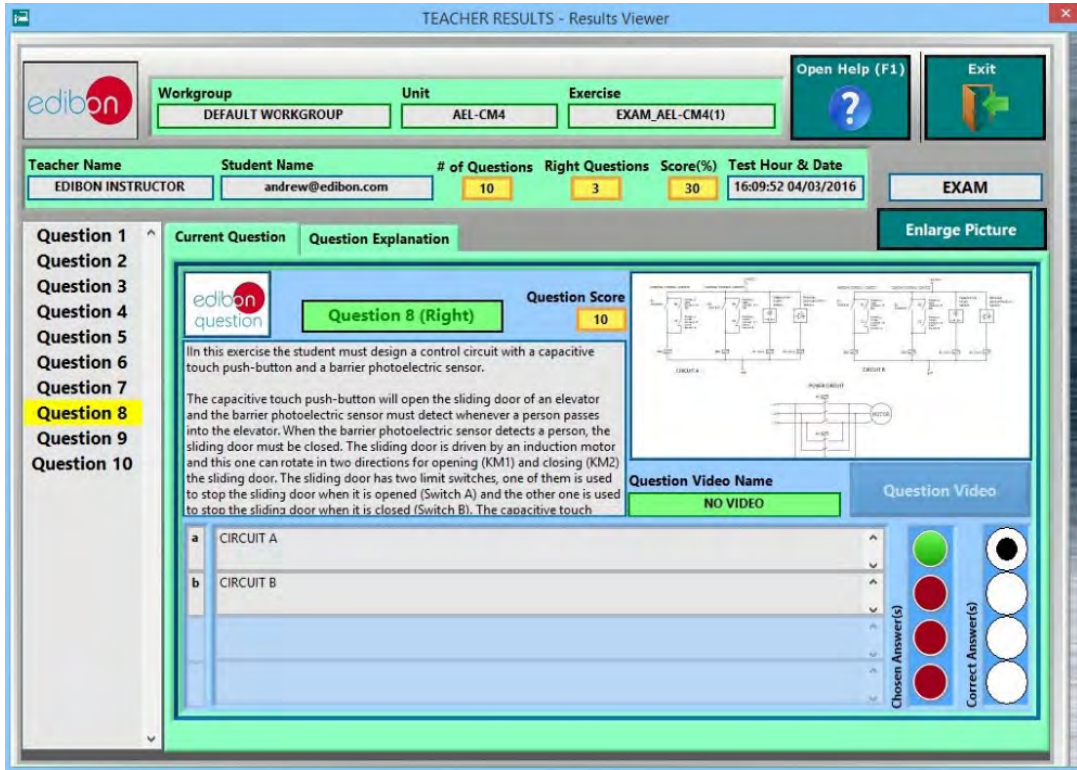
1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package (continuation)

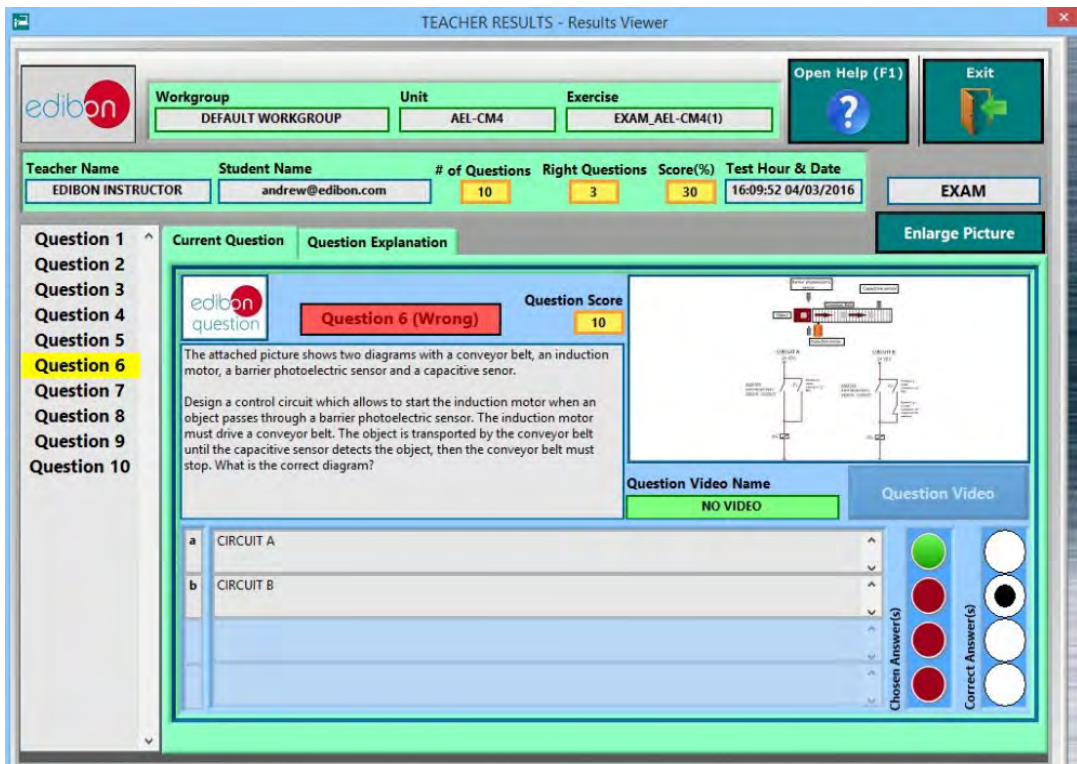
1.6.1. Reports & Results Management Program Package (continuation)

1.6.1.5. **Detailed Test Results:** Specific results can be opened to generate a detailed view of the Questions with the chosen answers in contrast with the correct answers, the obtained marks and Explanations for each individual question.

REPORTS & RESULTS MANAGEMENT Program Package - Detailed Test Result (I): Answers & Marks



REPORTS & RESULTS MANAGEMENT Program Package - Detailed Test Result (II): Answers & Marks



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package (continuation)

1.6.1. Reports & Results Management Program Package (continuation)

REPORTS & RESULTS MANAGEMENT Program Package - Detailed Test Result (III): Question Explanation

TEACHER RESULTS - Results Viewer

Workgroup: DEFAULT WORKGROUP | Unit: AEL-CM4 | Exercise: EXAM_AEL-CM4(1)

Teacher Name: EDIBON INSTRUCTOR | Student Name: andrew@edibon.com | # of Questions: 10 | Right Questions: 3 | Score(%): 30 | Test Hour & Date: 16:09:52 04/03/2016

Question 8

Question Explanation

The control circuit works as follows: touch sensor detects a finger, the "R1 Coil" is energized and the "R1 Contact" is closed, hence the electrical current circulates from 24VDC to the KM1 contactor coil. When KM1 coil is energized, the normally open contact of KM1 "K1" is closed and KM1 coil is electrically locked. The induction motor that moves the sliding door is activated. When the sliding door is opened completely the limit switch A contact "C1" will be opened and KM1 contactor coil is de-energized. So the induction motor stops. Once a person passes into the elevator, the barrier photoelectric sensor energizes the "R2 coil". Hence "R2 contact" energizes the KM2 contactor coil and the induction motor changes the rotation direction to close the sliding door. At this time, K2 contact locks the KM1 coil until the limit switch B is opened by the sliding door. The limit switch B unlock the KM2 contactor coil and the induction motor stops again.

Explanation Video Name: NO VIDEO

Explanation Video Description

1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.6. Results & Statistics Program Package (continuation)

1.6.1. Reports & Results Management Program Package (continuation)

- 1.6.1.6. **Printable Reports** allowing to display summary tables graphs and that can be exported to HTML formatted tables and JPEG Images.

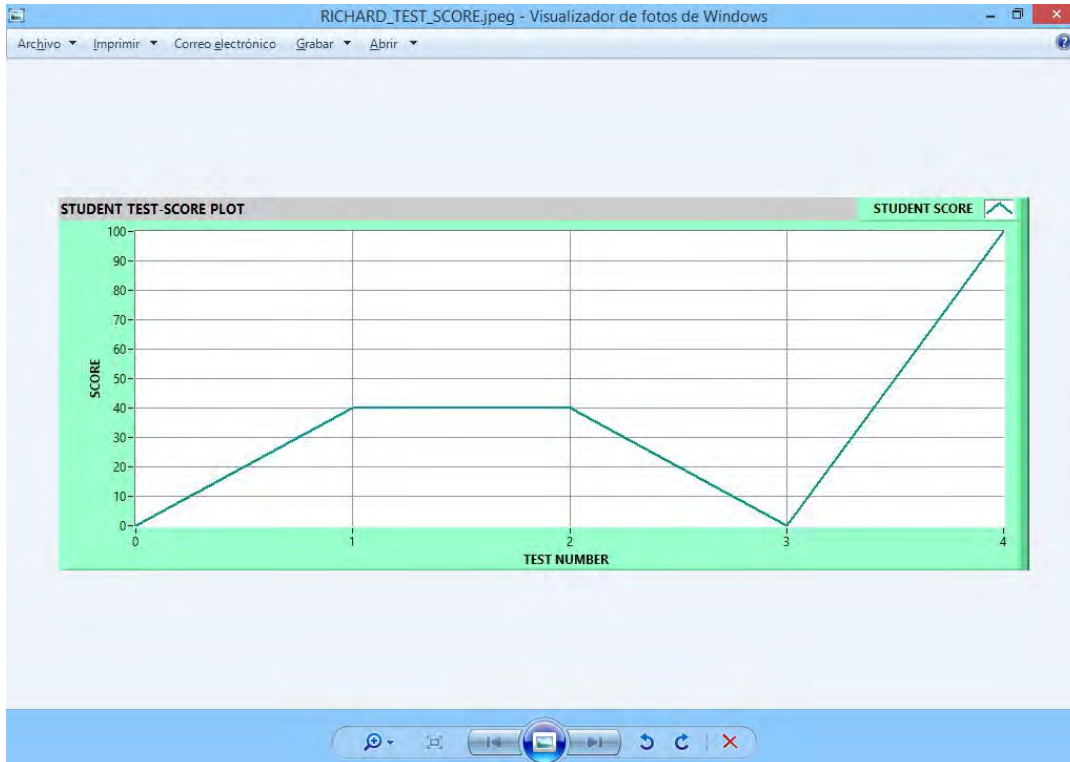
REPORTS & RESULTS MANAGEMENT Program Package - Printable Reports (I): HTML

STUDENT RESULTS REPORT

DATE	WORKGROUP	UNIT	TASK	STUDENT/S
martes, 8 de marzo de 2016 - 11:24	DEFAULT WORKGROUP	AEL-AD15A	TASK 2 AEL-AD15A	richard@edibon.com

RESULT ID	E-MAIL	WORKGROUP	UNIT/TASK	DATE & HOUR	RESULT NAME	RESULT TYPE	RIGHT QUESTIONS	SCORE (%)
0	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	17:40:08 04/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(1)	Training Test	0 of 5	0,00
1	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:10:17 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(2)	Training Test	2 of 5	40,00
2	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:11:35 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(3)	Training Test	2 of 5	40,00
3	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:15:57 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(4)	Training Test	0 of 5	0,00
4	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:17:51 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(5)	Training Test	5 of 5	100,00

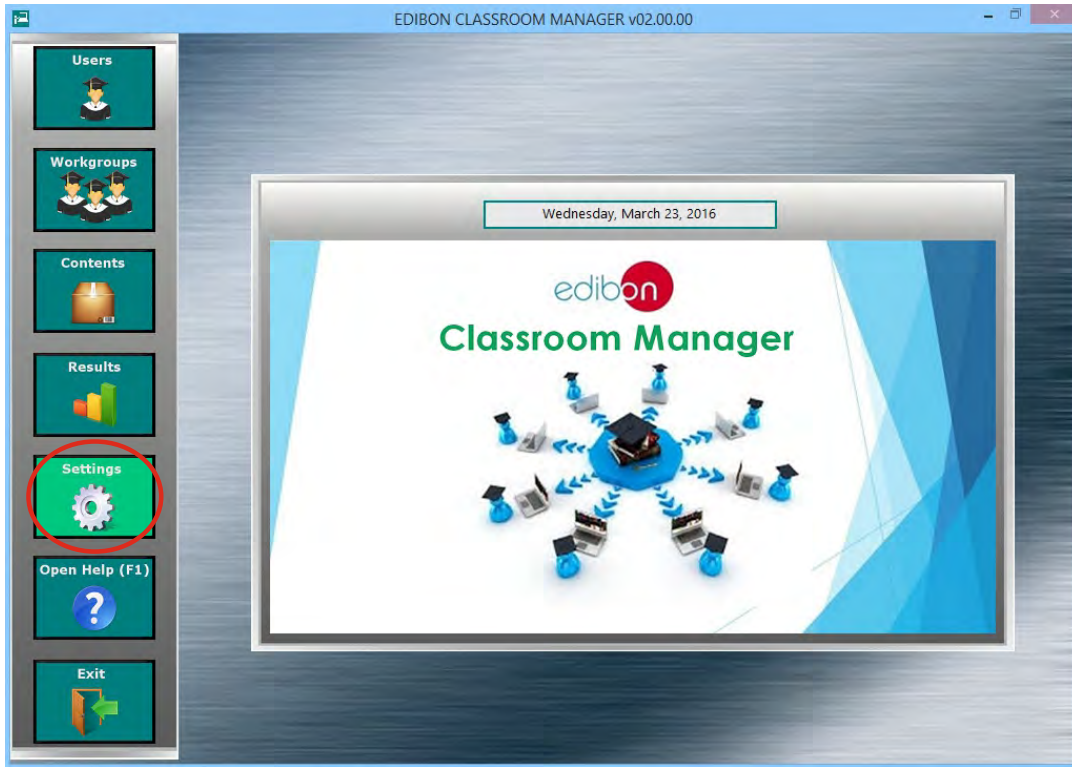
REPORTS & RESULTS MANAGEMENT Program Package - Printable Reports (II): JPEG Picture



1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.7. Options & Tools Program Package

ECM-SOF. EDIBON Classroom Manager Software Application main screen



The Options & Tools Program Package includes the following modules:

- 1.7.1. **Easy and Secure Connection** between Manager and Users in a quick, easy and reliable way.
- 1.7.2. **Self-Registration** for users. The instructor can enable/disable this feature, which allows the students to register by themselves in the User Data Base.
- 1.7.3. **Data Base Backups**, to keep a copy of the Workgroups Data Base factory and last session status.
- 1.7.4. **Restore Default Settings**, to reset the Workgroups Data Base to its factory status without needing to reinstall the software again.

OPTIONS & TOOLS Program Package screen

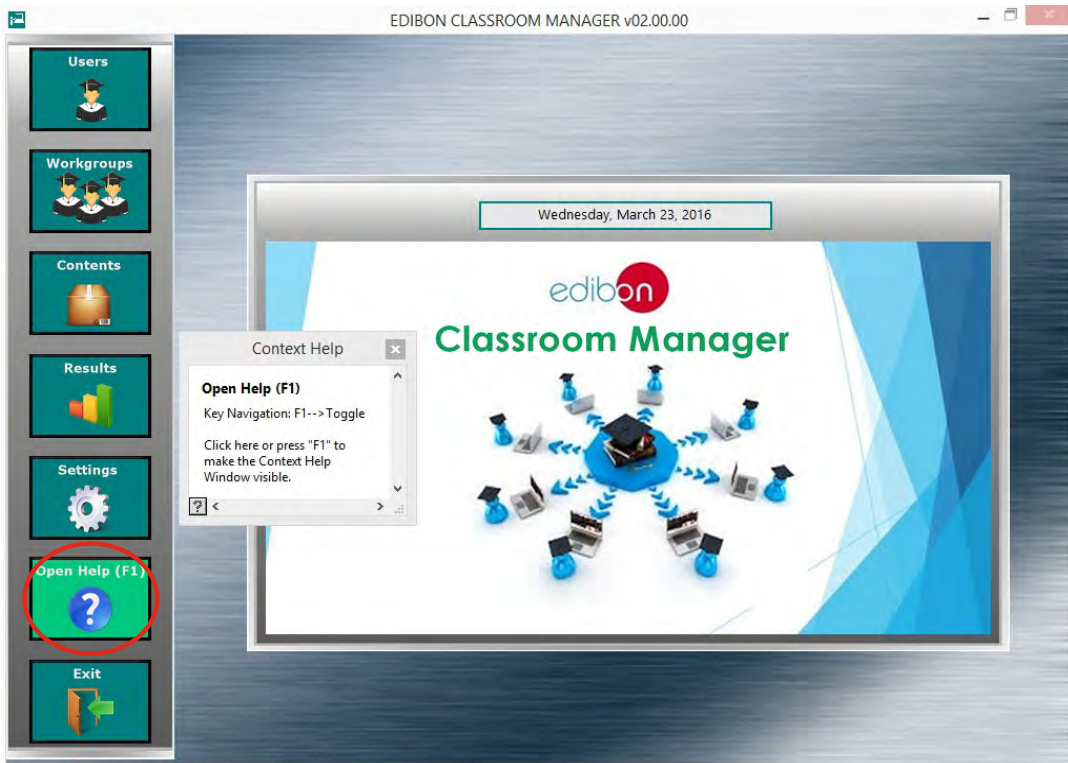


Continue...

1. ECM-SOF. EDIBON CLASSROOM MANAGER SOFTWARE APPLICATION

1.8. Context Help Program Package

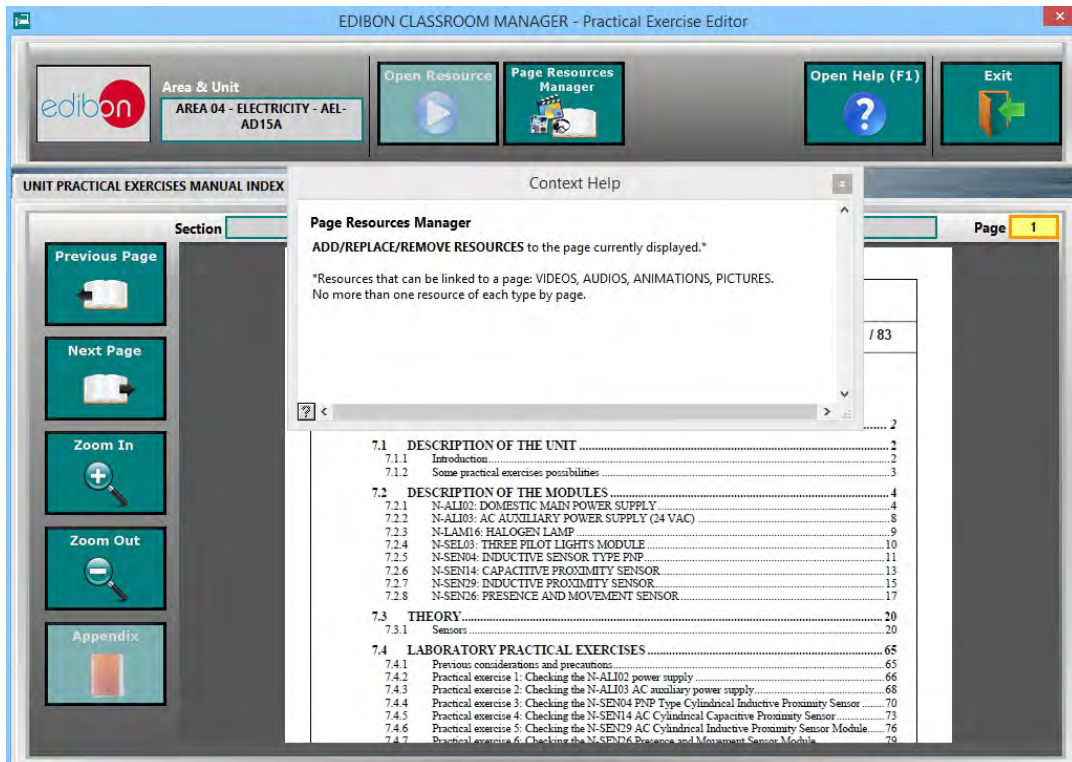
CONTEXT HELP Program Package - EDIBON Classroom Manager Software Application main screen



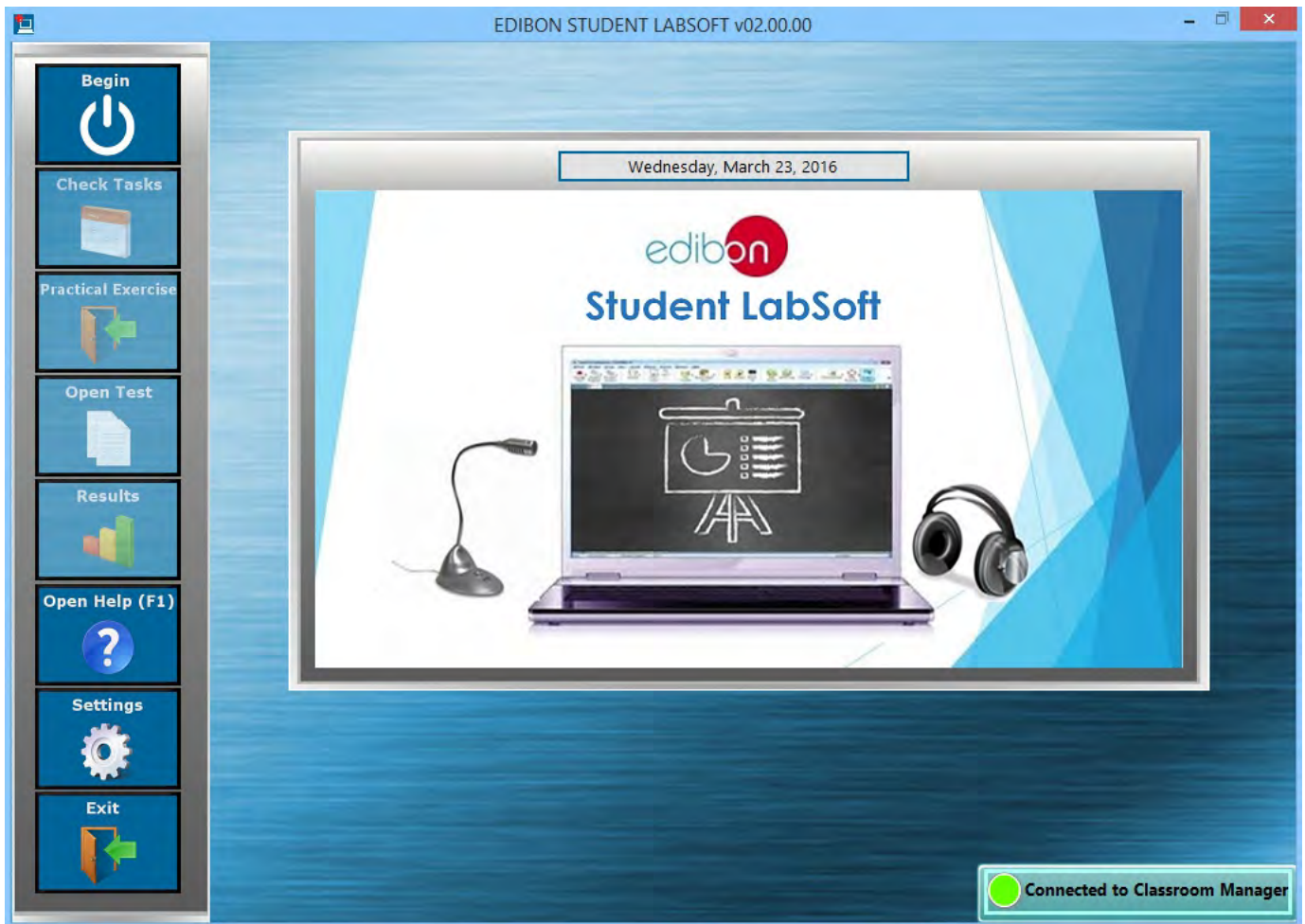
The Context Help Program Package includes the following modules:

- 1.8.1. **Floating Window** for the Context Help. This window displays **short explanations of the functionalities that any control or indicator can perform.**
- 1.8.2. **Enable and Disable Help.** You can activate/deactivate the Context Help window at any moment.
- 1.8.3. **Available anytime and anywhere.**

CONTEXT HELP Program Package screen



2. ESL-SOF. EDIBON STUDENT LABSOFT SOFTWARE APPLICATION



ESL-SOF. EDIBON Student LabSoft Software Application includes the following Software Package:

- 2.1. Users Program Package.
- 2.2. Workgroups & Tasks Program Package.
- 2.3. Practical Exercises Program Package.
- 2.4. Training Test & Exam Program Package.
- 2.5. Calculations Program Package.
- 2.6. Results & Statistics Program Package.
- 2.7. Options & Tools Program Package.
- 2.8. Context Help Program Package.
- 2.9. Operating Modes: LOCAL and LAN Program Package.

2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.1. Users Program Package

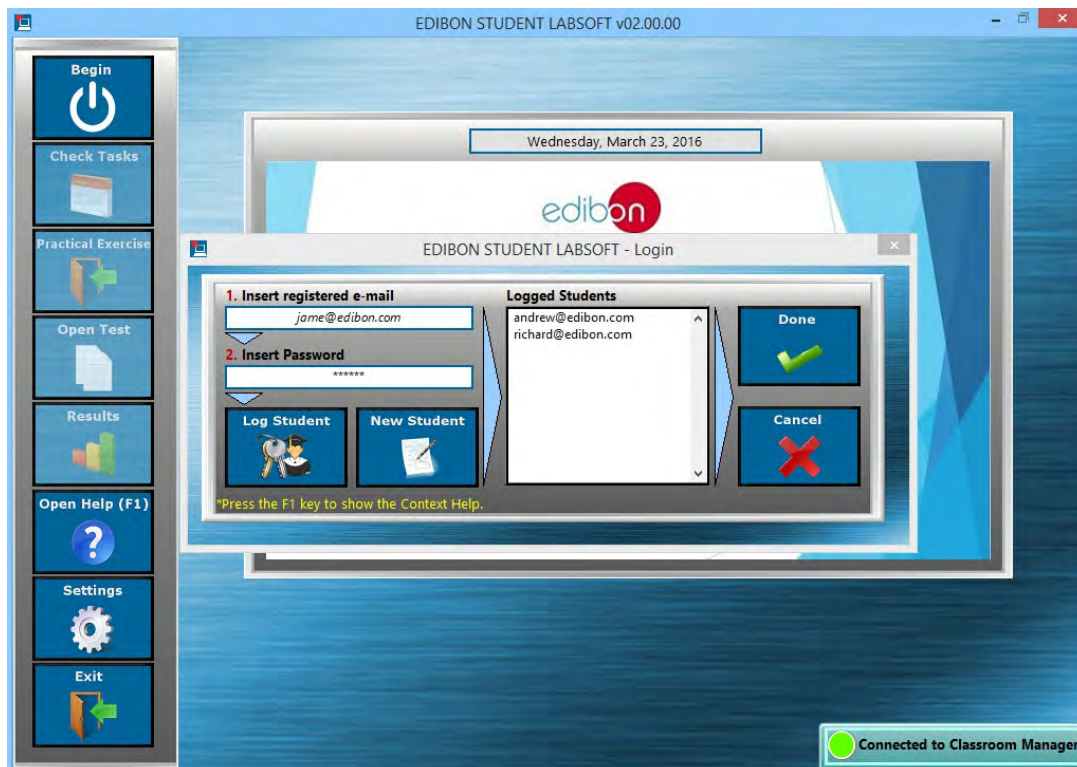
ESL-SOF. EDIBON Student LabSoft Software Application main screen



The Users Program Package includes the following modules:

- 2.1.1. **User Self Logging for Multiple Users.** One or more users can log themselves at the same time and in the same computer, allowing them to work individually or in groups.

USERS Program Package – User Log screen



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.1. Users Program Package (continuation)

2.1.2. **User Self Register.** One or more users can register their own user in the same computer.

USERS Program Package – User Registry screen

EDIBON STUDENT LABSOFT v02.00.00

EDIBON STUDENT LABSOFT - User Registry

New User Datasheet

First Name *	Surnames *	Birth Date
richard	Adams	17/03/2000

Address	City
1425 W 12 AVE	Miami

State	Zip Code	Phone
FLORIDA	33135	

Email *
richard@edibon.com

Password * ***** **Confirm Password *** *****

Photo
Click here to add a Photo

Ok Cancel

*Press the F1 key to show the Context Help.

Connected to Classroom Manager

2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package

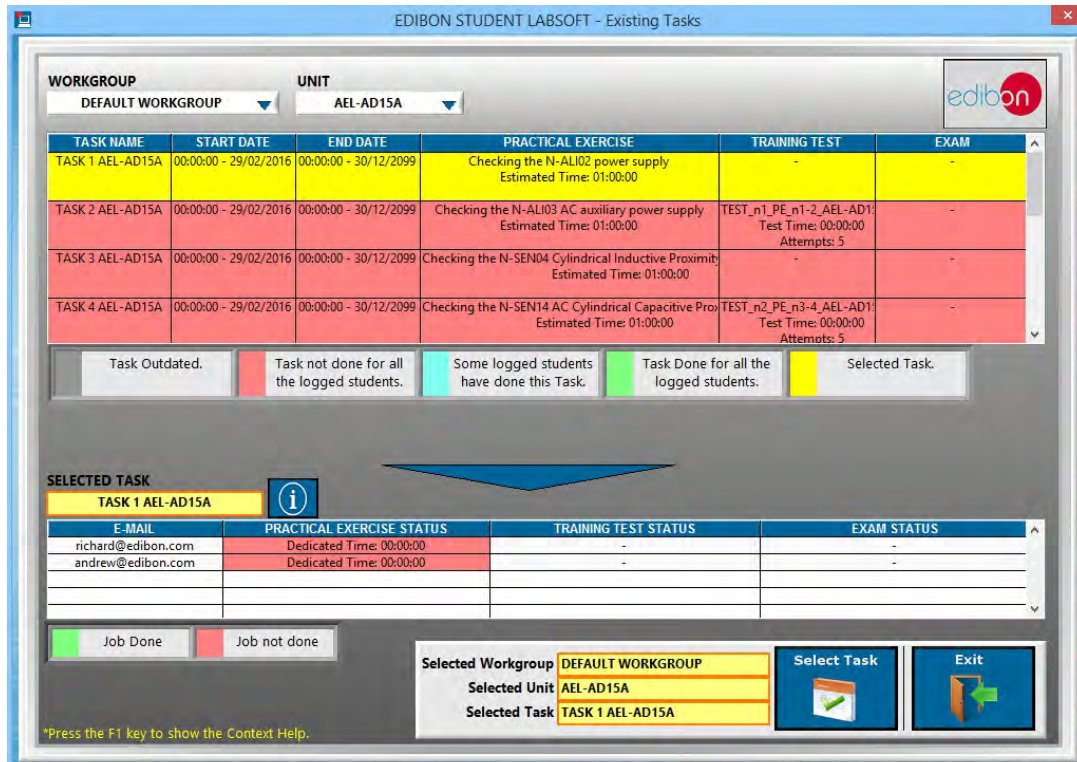
ESL-SOF. EDIBON Student LabSoft Software Application main screen



The Workgroups & Tasks Program Package includes the following modules:

- 2.2.1. **Scheduled Tasks Selection**, with specific information about the contents of each individual task, for each Workgroup and Unit, in a summary table format.
- 2.2.2. **Multi-User Scheduled Task Progression Status**, in a summary table format. This second table allowing to gather the state of realization of the jobs assigned to a specific task for each logged user.

WORKGROUPS & TASKS Program Package – Scheduled Tasks screen

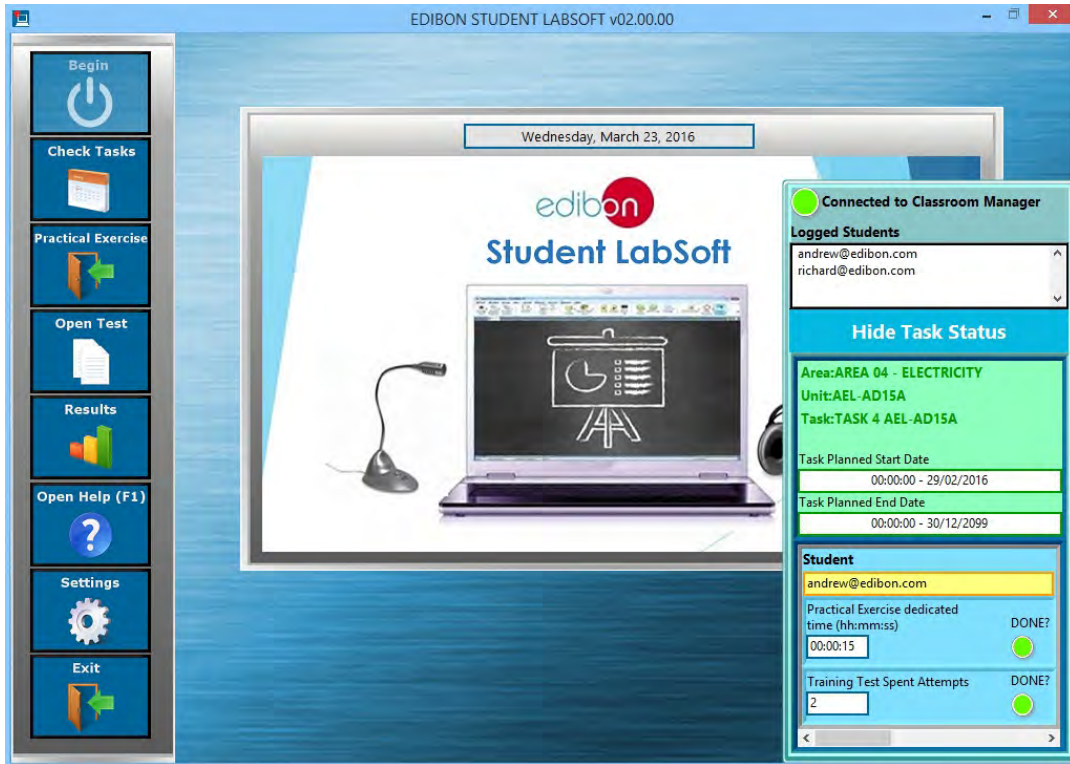


2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

- 2.2.3. **User Current Task Status Indicator** allows to displays the state of realization of the selected task for each logged user and is available during the whole session.

WORKGROUPS & TASKS Program Package – Task Status Indicator, integrated in the ESL-SOF Application main screen



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for:

10-Physics



20-Electronics

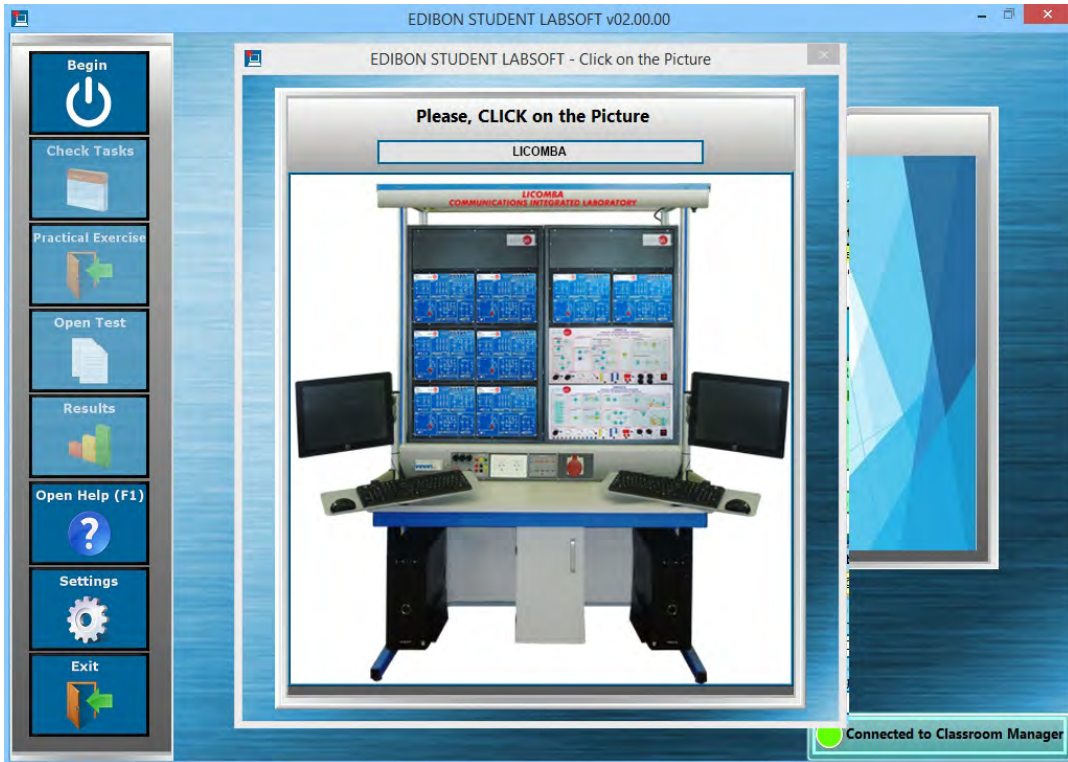


2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

30-Communications



40-Electricity



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

50-Energy



60-Mechatronics



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

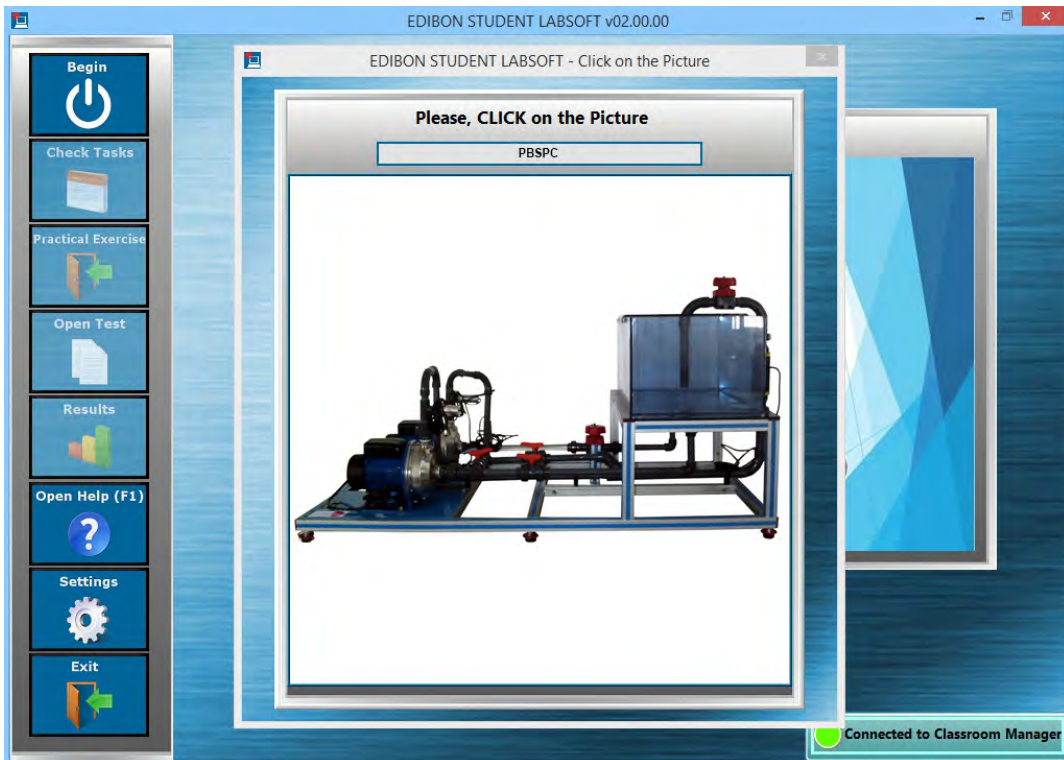
2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

70-Mechanics



80-Fluid Mechanics



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

90-Thermodynamics & Thermotechnics



100-Process Control

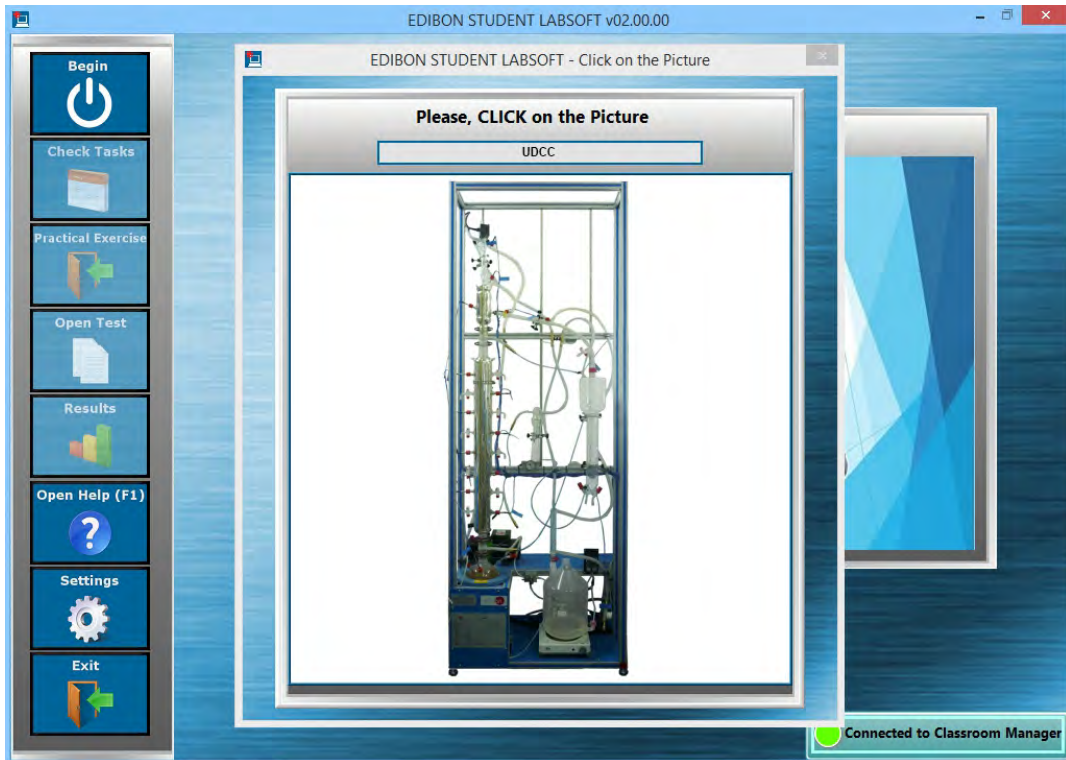


2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

110-Chemical Engineering



120-Food & Water Technologies

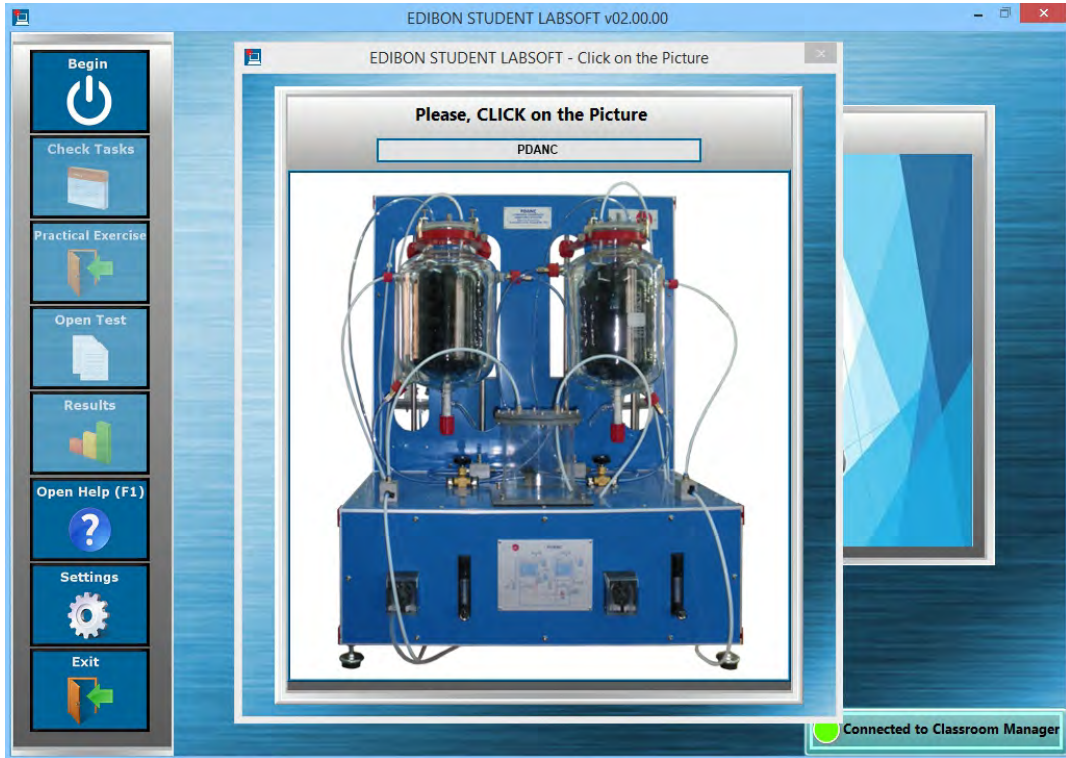


2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.2. Workgroups & Tasks Program Package (continuation)

Example of applications for: (continuation)

130-Enviroment



140-Biomedical Engineering



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.3. Practical Exercises Program Package

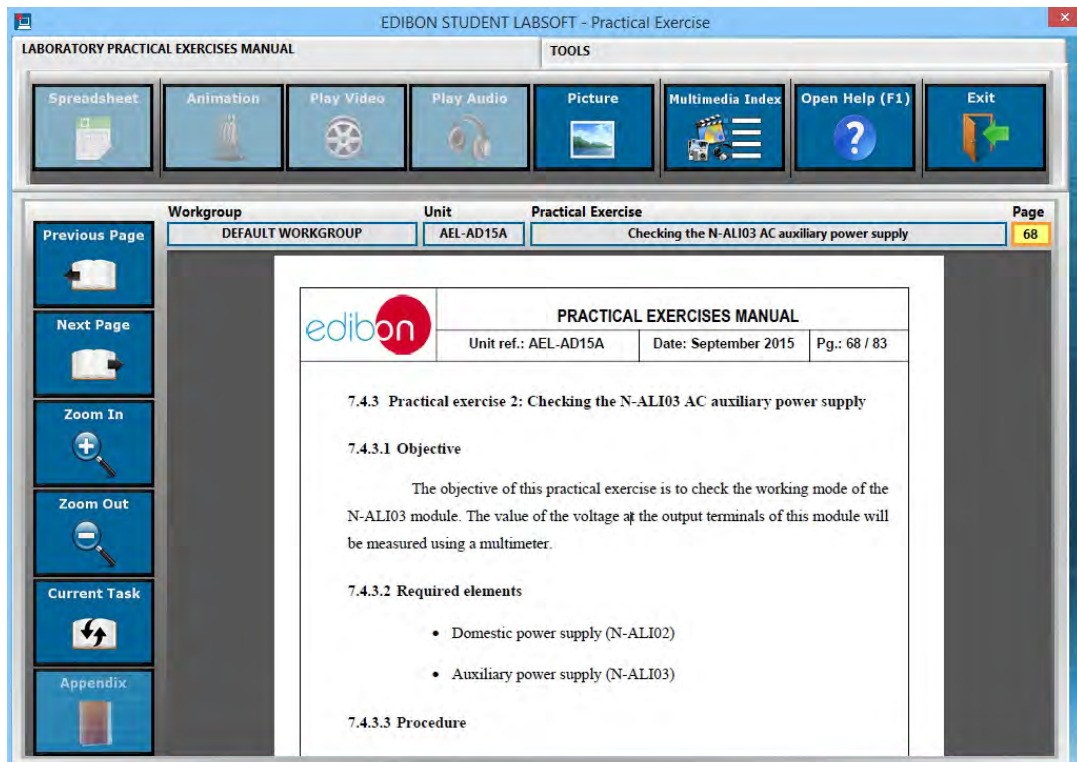
ESL-SOF. EDIBON Student LabSoft Software Application main screen



The Practical Exercises Program Package includes the following modules:

- 2.3.1. **Practical Exercises Manual** in PDF Format.
- 2.3.2. **Practical Exercises Manual Navigation Tools** to move faster through the manual as well as to focus on some specific sections of it.
- 2.3.3. **Windows basic tools** shortcuts are included in this software interface: **Notepad, Calculator and Web Browser.**

PRACTICAL EXERCISES Program Package main screen



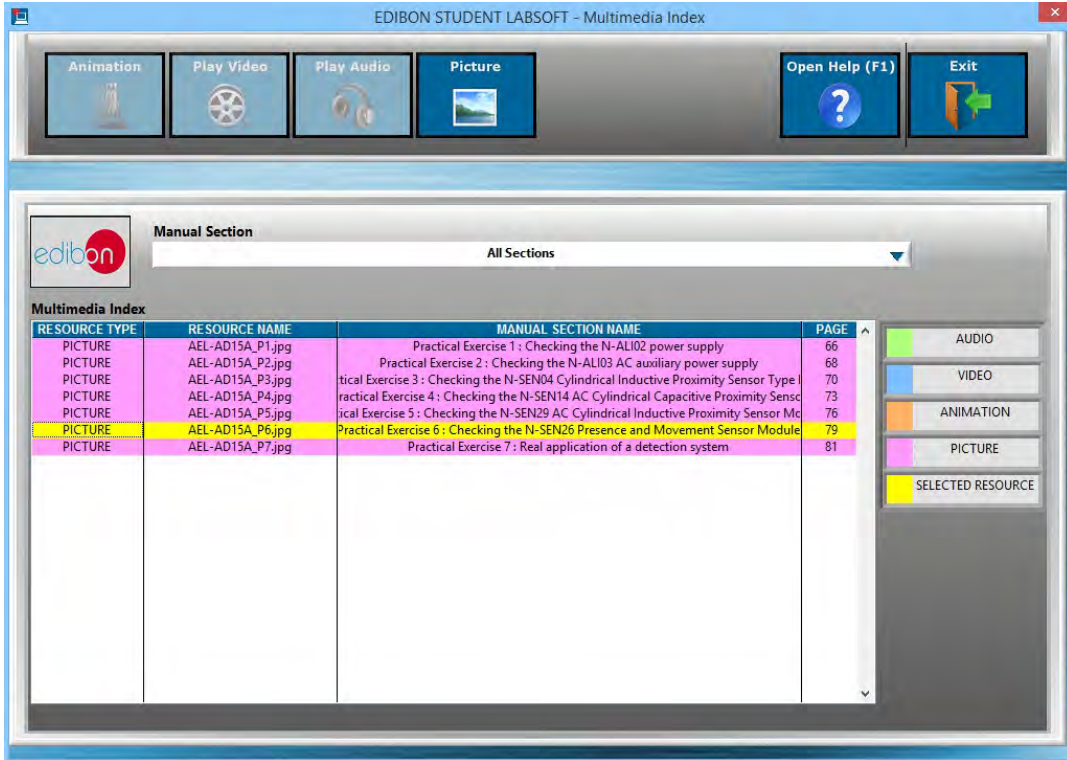
Continue...

2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

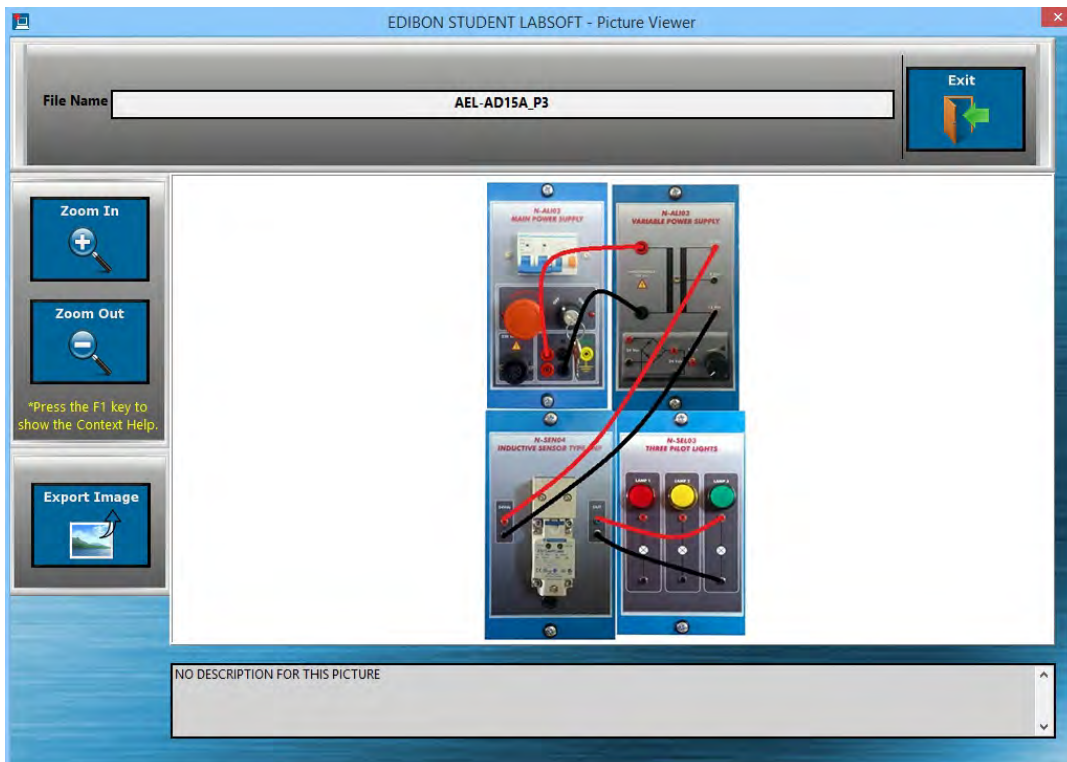
2.3. Practical Exercises Program Package (continuation)

- 2.3.4. **Updatable Multimedia Resources.** Every resource added/replaced/removed by the Instructor using EDIBON Classroom Manager will be downloaded once the connection is set.
- 2.3.5. **Multimedia Resources Index:** This section presents a compilation of all the Multimedia Resources (Audio, Videos, Animations and Pictures) which are available for each one of the sections of the Practical Exercises Manual.

PRACTICAL EXERCISES Program Package – Multimedia Resources Index



PRACTICAL EXERCISES Program Package – Picture Viewer



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.4. Training Test & Exam Program Package

ESL-SOF. EDIBON Student LabSoft Software Application main screen



The Training Test & Exam Program Package includes the following modules:

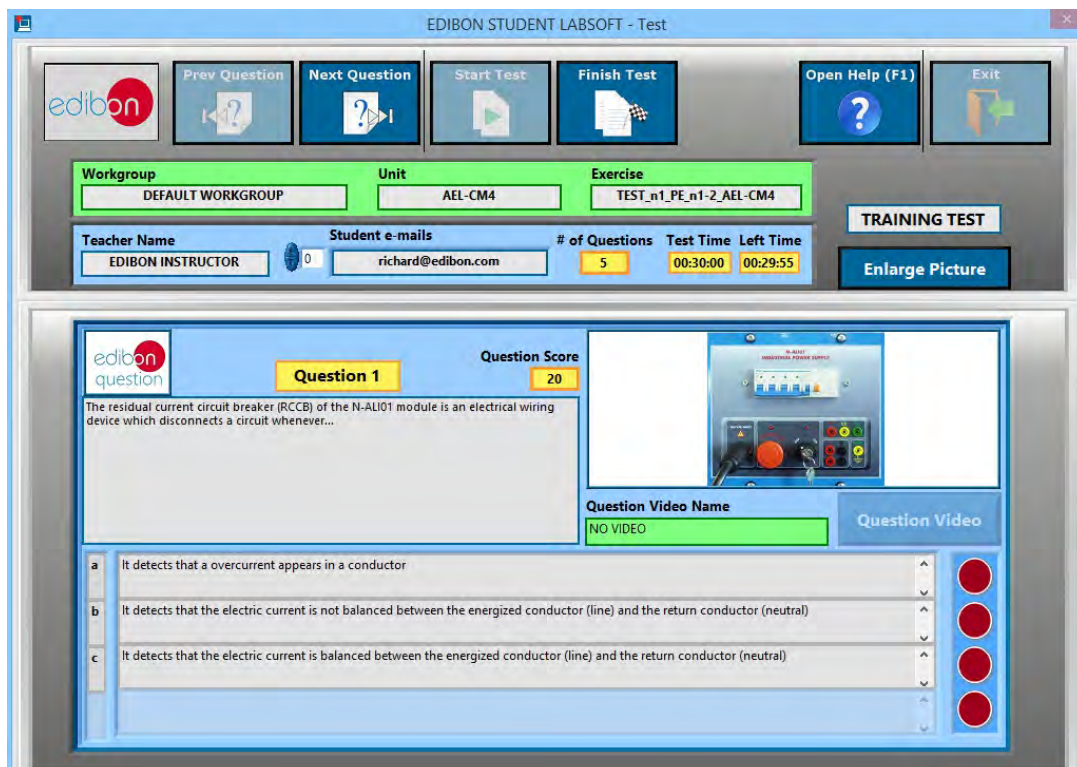
2.4.1. Two different Evaluation Methods: Training Test & Exam:

- a) Training test: can be performed several times. They are intended to revise the main concepts shown in the Practical Exercises.
- b) Exam: can be done just once.

2.4.2. **Multi-Choice** and **Numeric Result** Questions, aided by **Multimedia Resources** to evaluate the knowledge acquired by the users in a more versatile way.

2.4.3. **Updatable Contents**. Every content added/replaced/removed by the Instructor using EDIBON Classroom Manager will be downloaded once the connection is set.

TRAINING TEST & EXAM Program Package – Multi-Choice Question for a Training Test

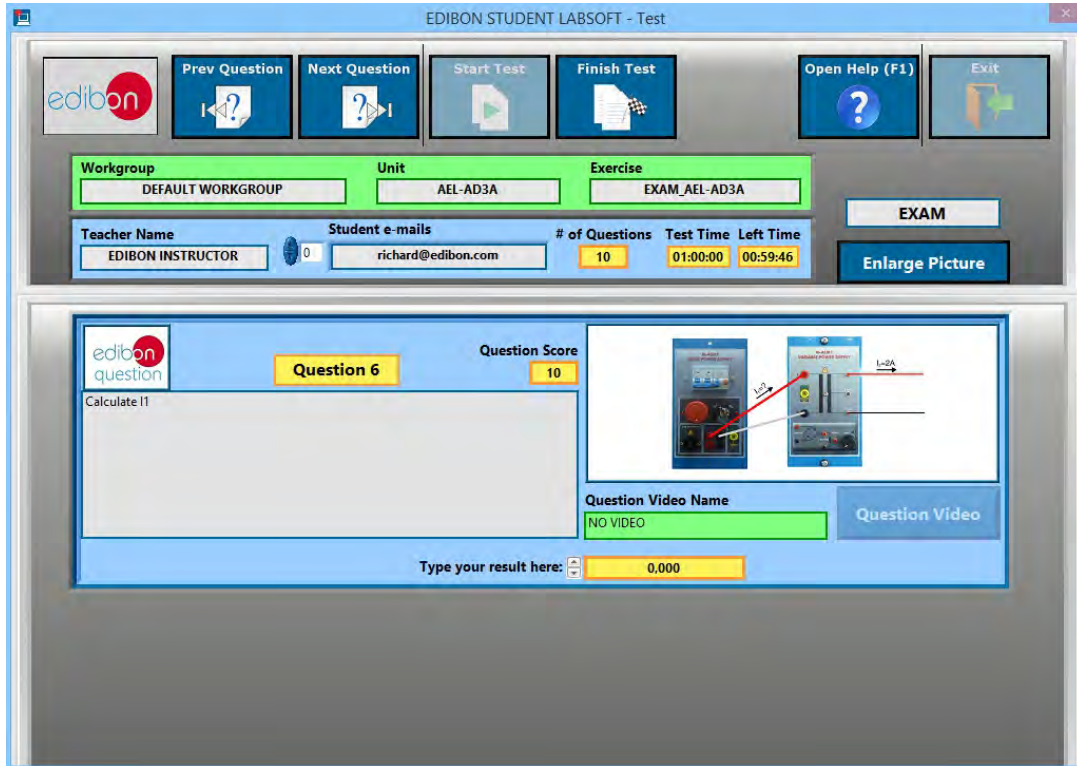


Continue...

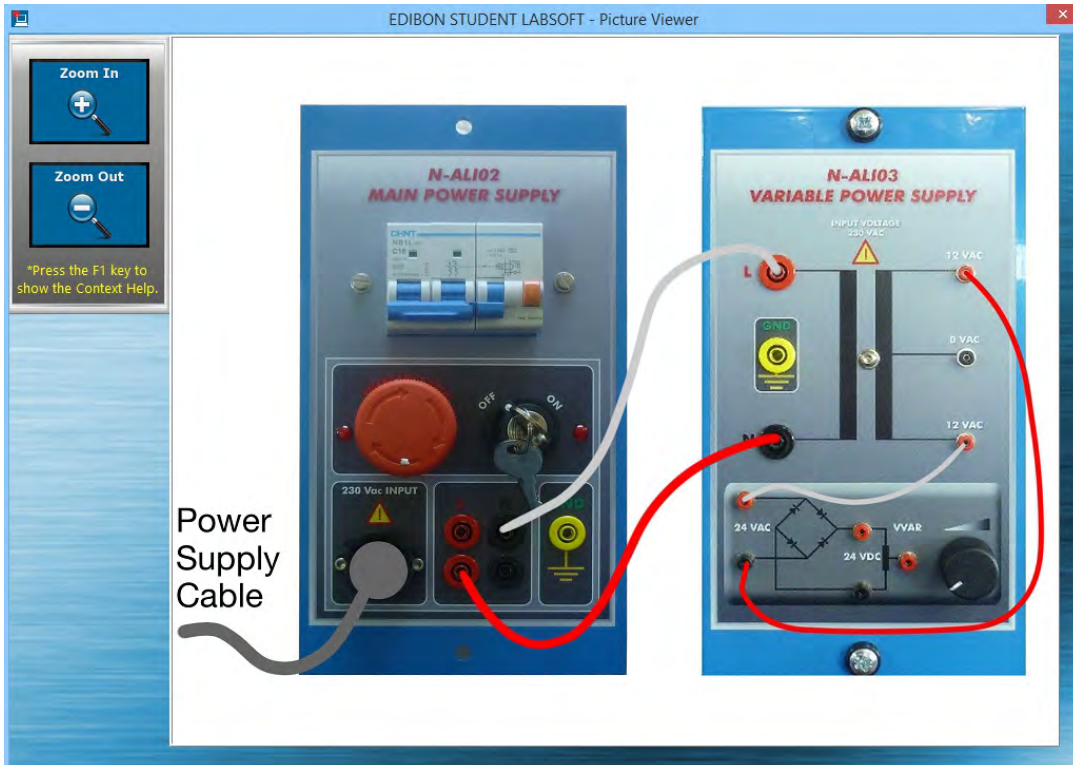
2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.4. Training Test & Exam Program Package (continuation)

TRAINING TEST & EXAM Program Package – Numeric Result Question for an Exam



TRAINING TEST & EXAM Program Package – Picture Viewer: Enlarged Question Picture



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.5. Calculations Program Package

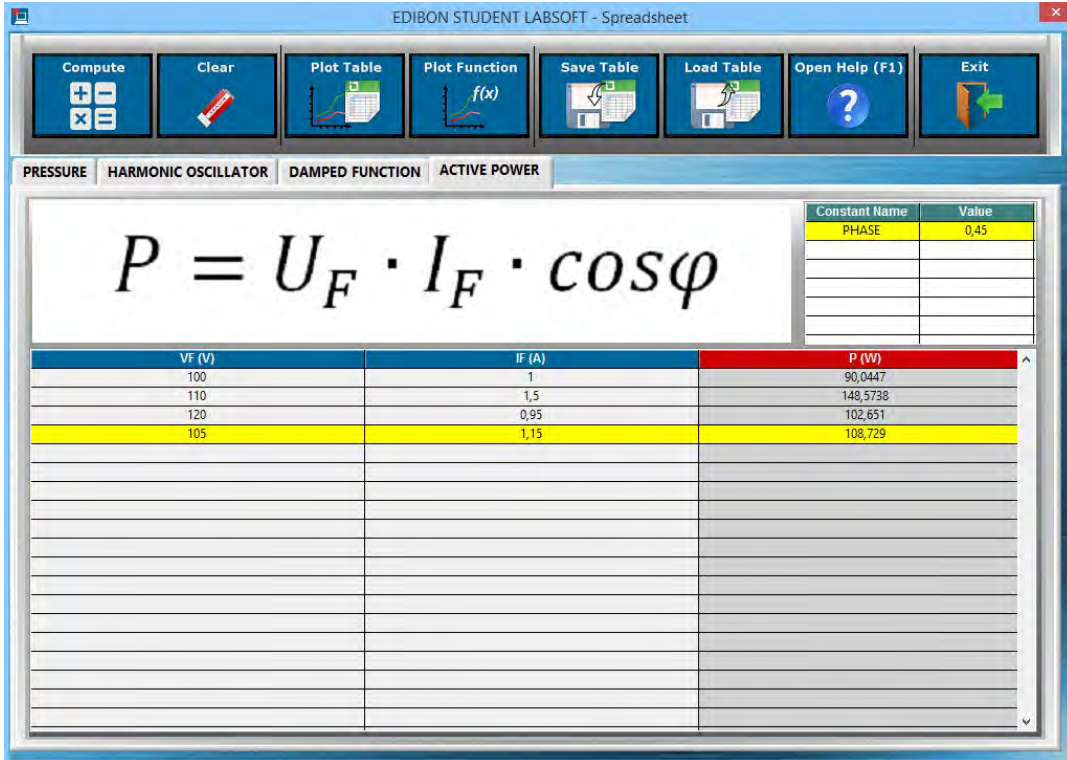
The Calculations Program Package includes the following software package:

2.5.1. Spreadsheet & Formulas Program Package.

The Spreadsheet & Formulas Program Package includes the following modules:

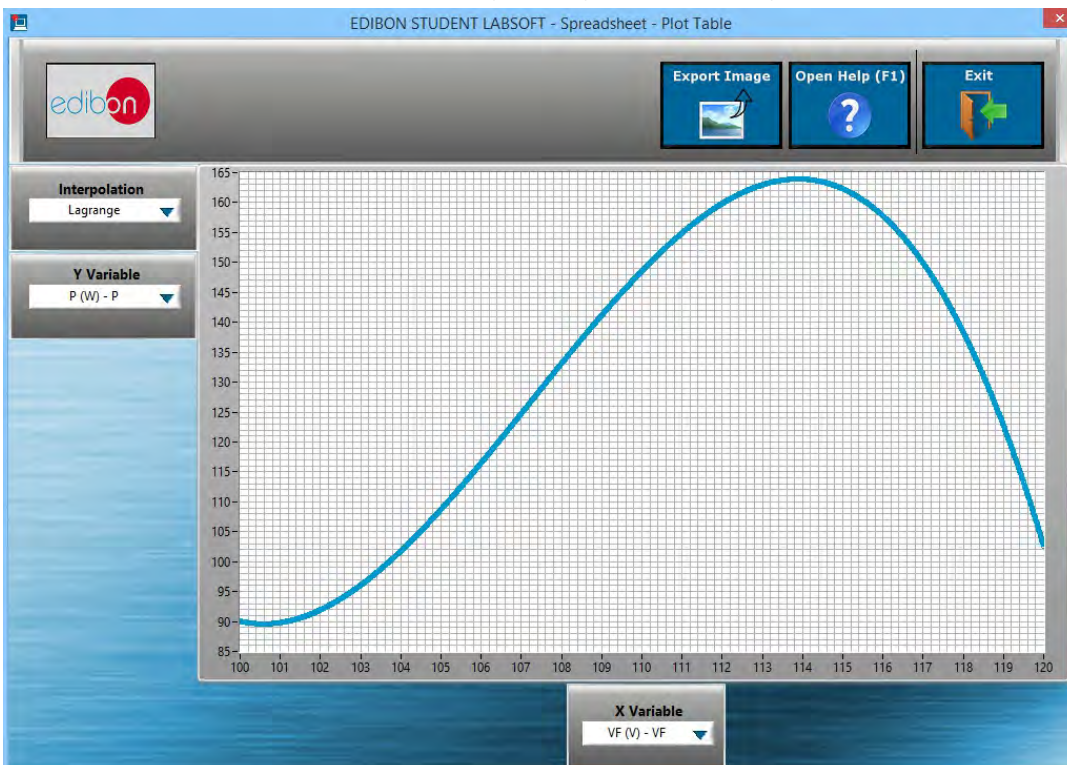
- 2.5.1.1. **Formula Viewer.** All the formulas of a specific unit are displayed and calculations can be done by users.
- 2.5.1.2. **Spreadsheet for Input and Output variables** taken from the Expressions and Formulas. Output variables values will be generated each time all the input variables values be introduced.
- 2.5.1.3. **Calculation Records** for further evaluations. The user can keep the introduced values even after exiting this program package, avoiding losing them.

SPREADSHEET & FORMULAS Program Package main screen



- 2.5.1.4. **Plotted Spreadsheet.** The user can represent in a XY graph the values introduced in the Spreadsheet for the Input and Output variables of a specific formula.

SPREADSHEET & FORMULAS Program Package - Plotted Data from Spreadsheet



Continue...

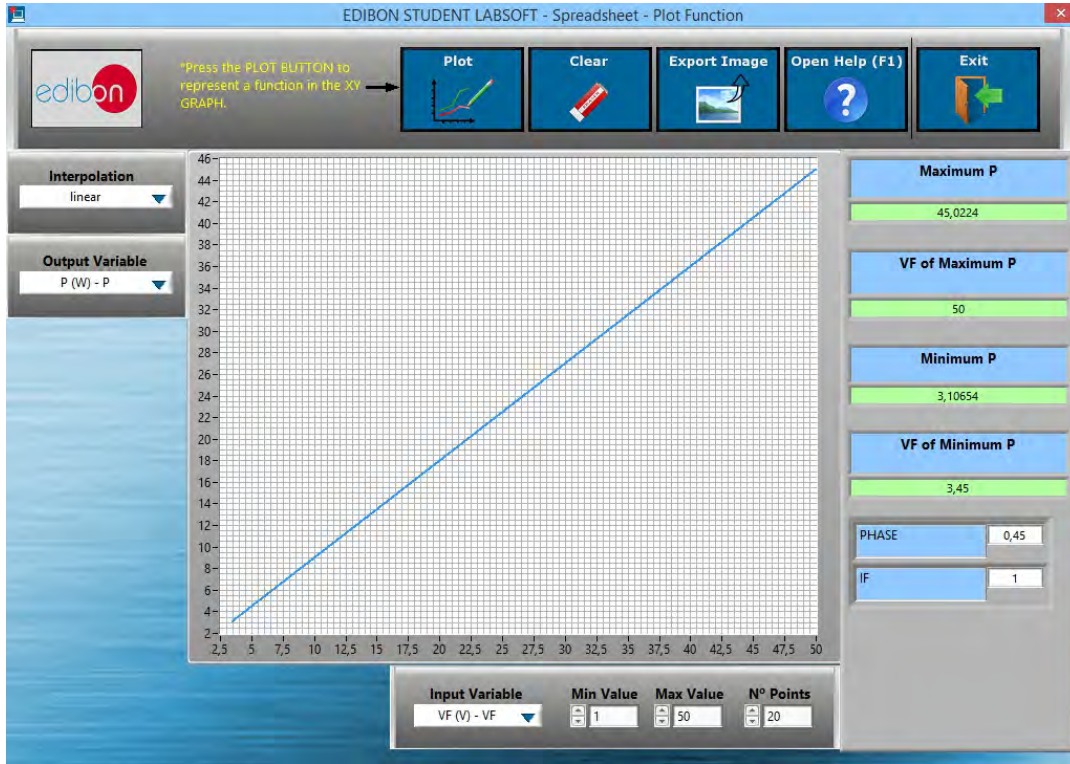
2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.5. Calculations Program Package (continuation)

2.5.1. Spreadsheet & Formulas Program Package (continuation)

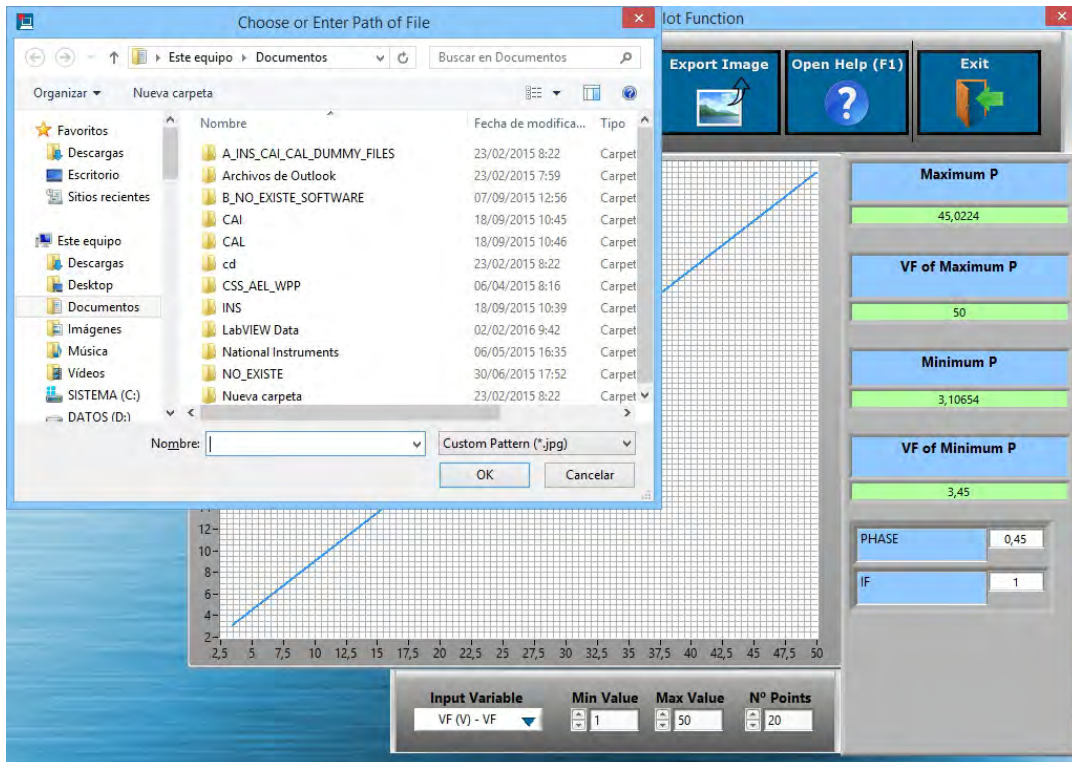
- 2.5.1.5. Variety of **Interpolation Algorithms** representing a finite number of values in a XY graph, several interpolation methods (linear interpolation, cubic Hermite, splines, Lagrange...) are available to get the best approach in each case:
- Linear. - Spline. - Cubic. - Hermite. - Lagrange.

SPREADSHEET & FORMULAS Program Package - Plotted output vs input variables



- 2.5.1.6. **Exportable Data.** All the graphs generated as well as the values introduced in the Spreadsheet tables can be exported.

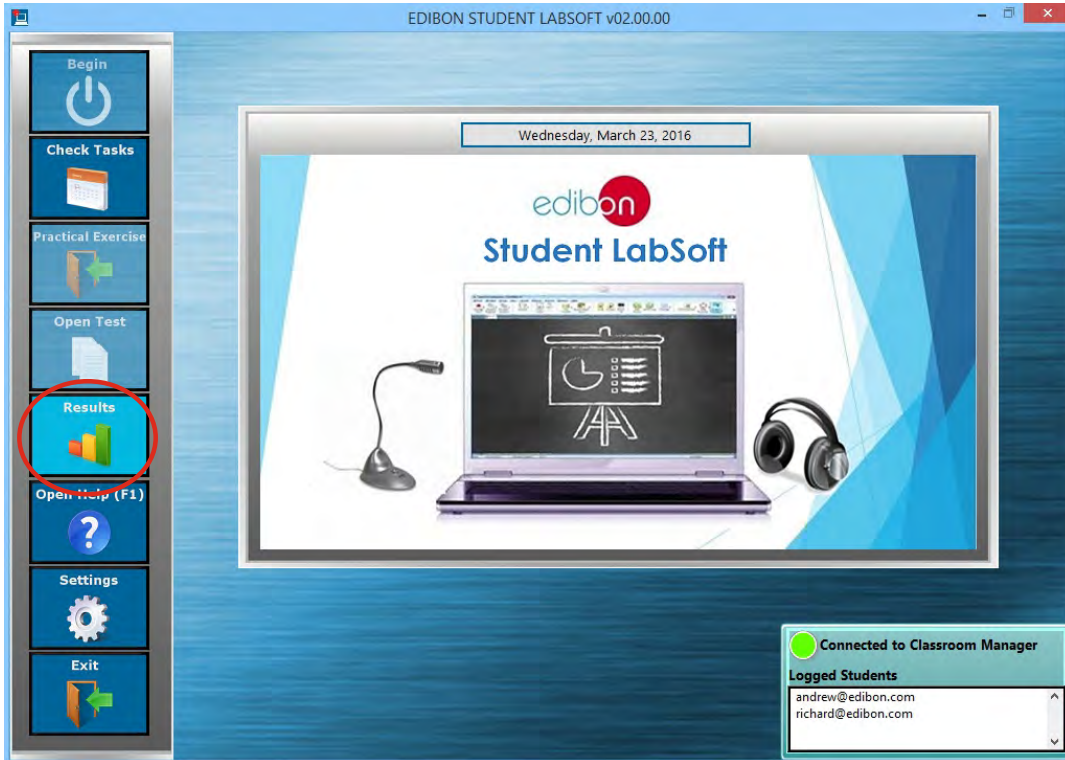
SPREADSHEET & FORMULAS Program Package - Plot Exportation



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.6. Results & Statistics Program Package

ESL-SOF. EDIBON Student Labsoft Software Application main screen.



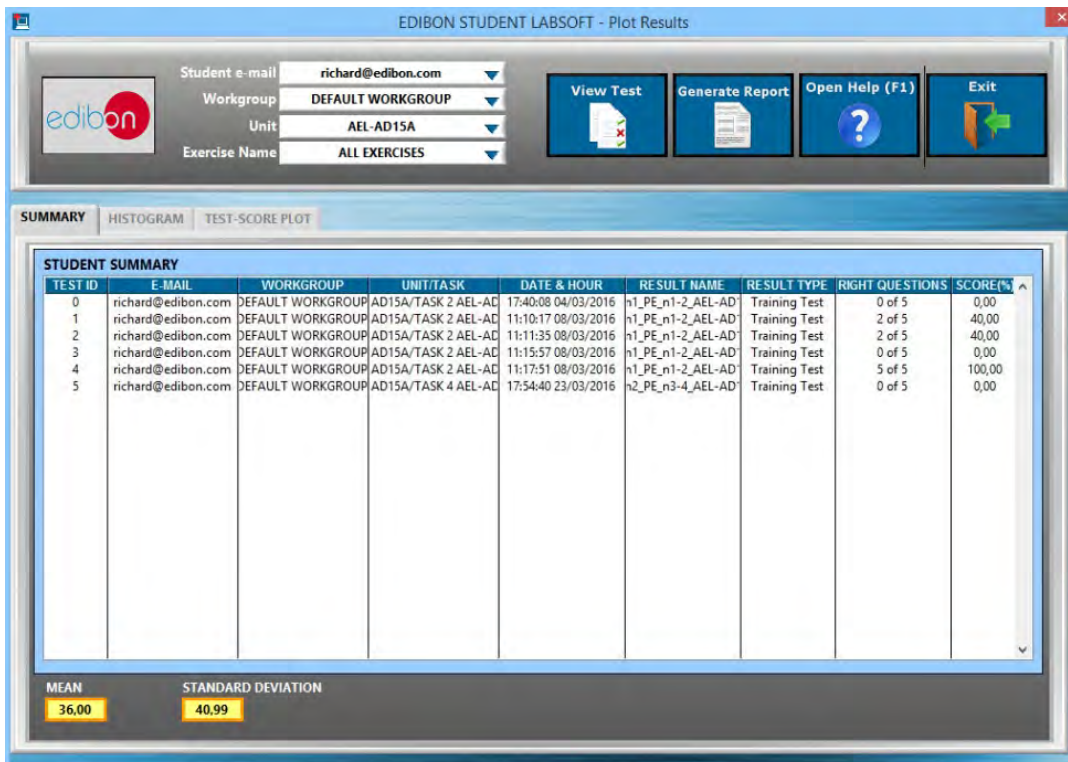
The Results & Statistics Program Package includes the following software package:

2.6.1. User Result & Reports Program Package.

The User Result & Reports Program Package includes the following modules:

- 2.6.1.1. **Progress Representation:** Spreadsheet, Graphic and Text.
- 2.6.1.2. **Individual User Results summary table.** Compilation of all the results obtained by each particular user.

USER RESULT & REPORTS Program Package - Main Screen



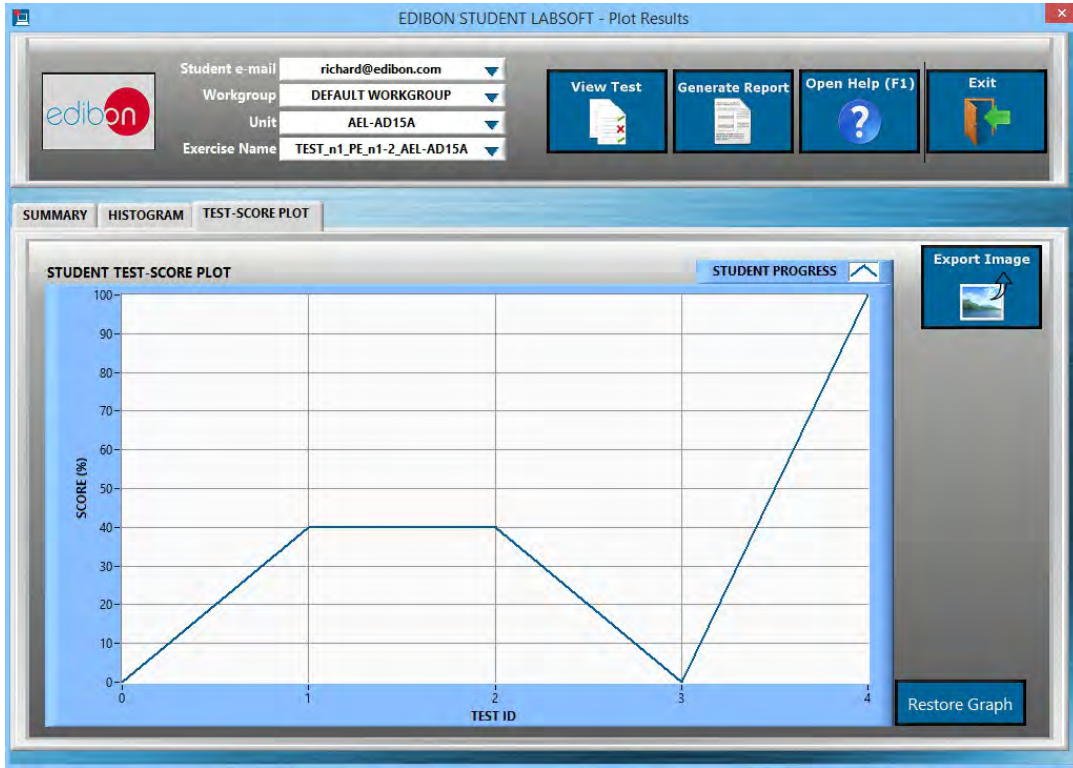
2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.6. Results & Statistics Program Package (continuation)

2.6.1. User Result & Reports Program Package (continuation)

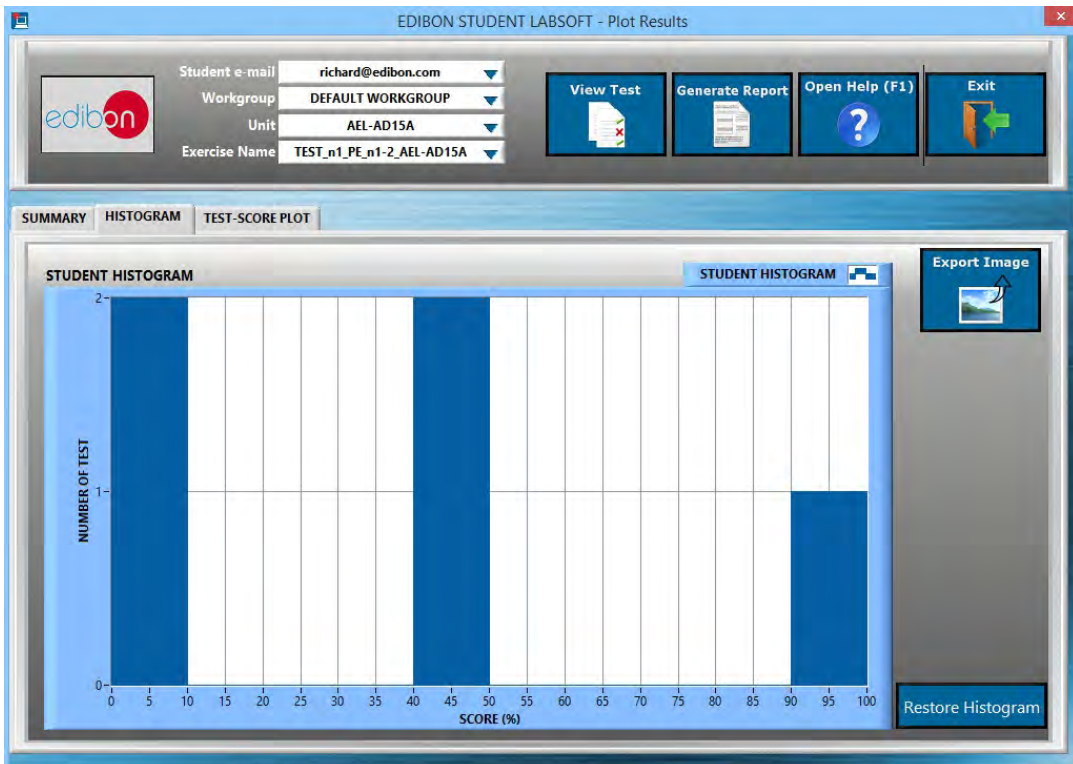
2.6.1.3. **User Progressions in a XY graph representation** in which the user can evaluate the evolution of his/her results working with a particular Unit.

USER RESULT & REPORTS Program Package - Student Scores Progression



2.6.1.4. **Result Statistics:** Some statistics such as **Mean Scores** and **Standard Deviations** as well as representations such as **Histograms** are shown.

USER RESULT & REPORTS Program Package - Student Scores Histogram



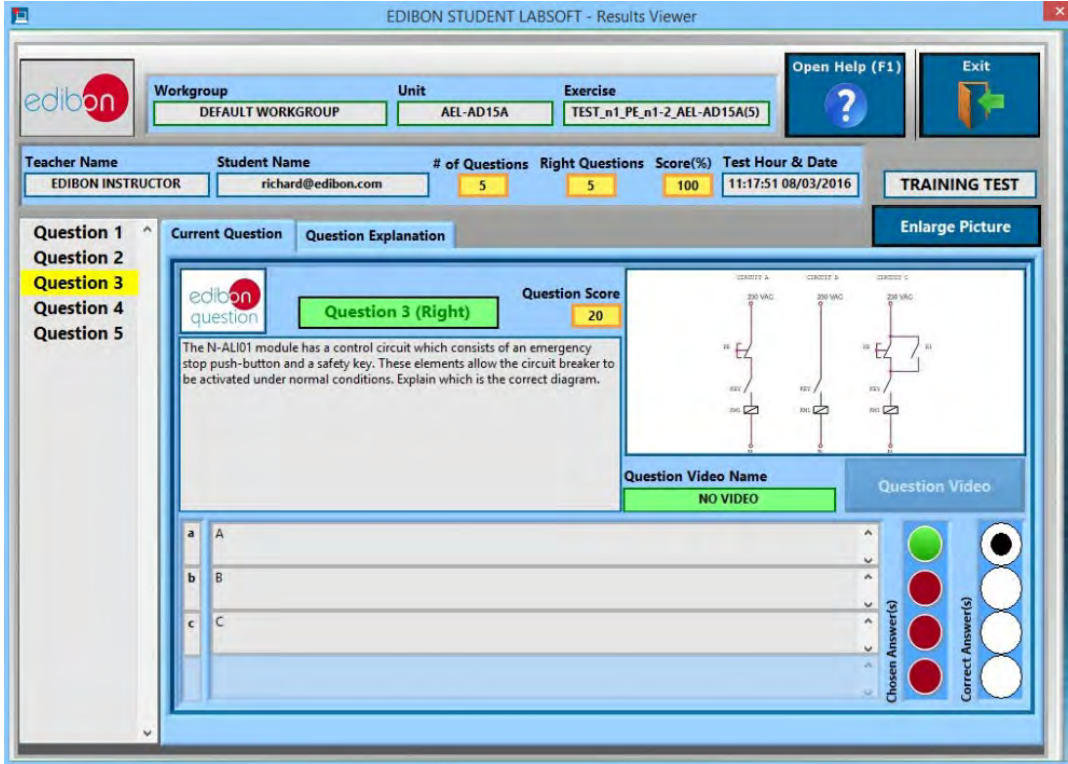
2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.6. Results & Statistics Program Package (continuation)

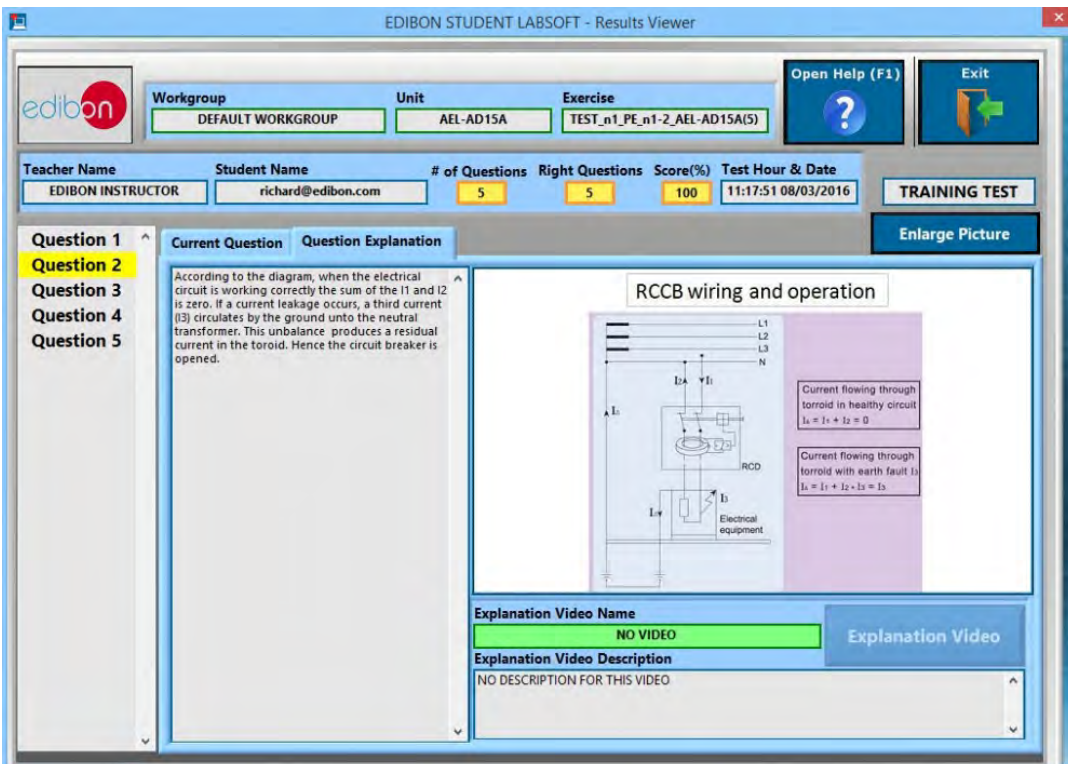
2.6.1. User Result & Reports Program Package (continuation)

- 2.6.1.5. **Detailed Test Results:** Specific results can be opened to generate a detailed view of the Questions with the chosen answers in contrast with the correct answers.

USER RESULT & REPORTS Program Package - Detailed Test Result (I): Answers & Marks



USER RESULT & REPORTS Program Package - Detailed Test Result (II): Question Explanation



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.6. Results & Statistics Program Package (continuation)

2.6.1. User Result & Reports Program Package (continuation)

2.6.1.6. **Printable Reports:** allowing to display summary tables graphs and that can be exported to HTML formatted tables and JPEG Images.

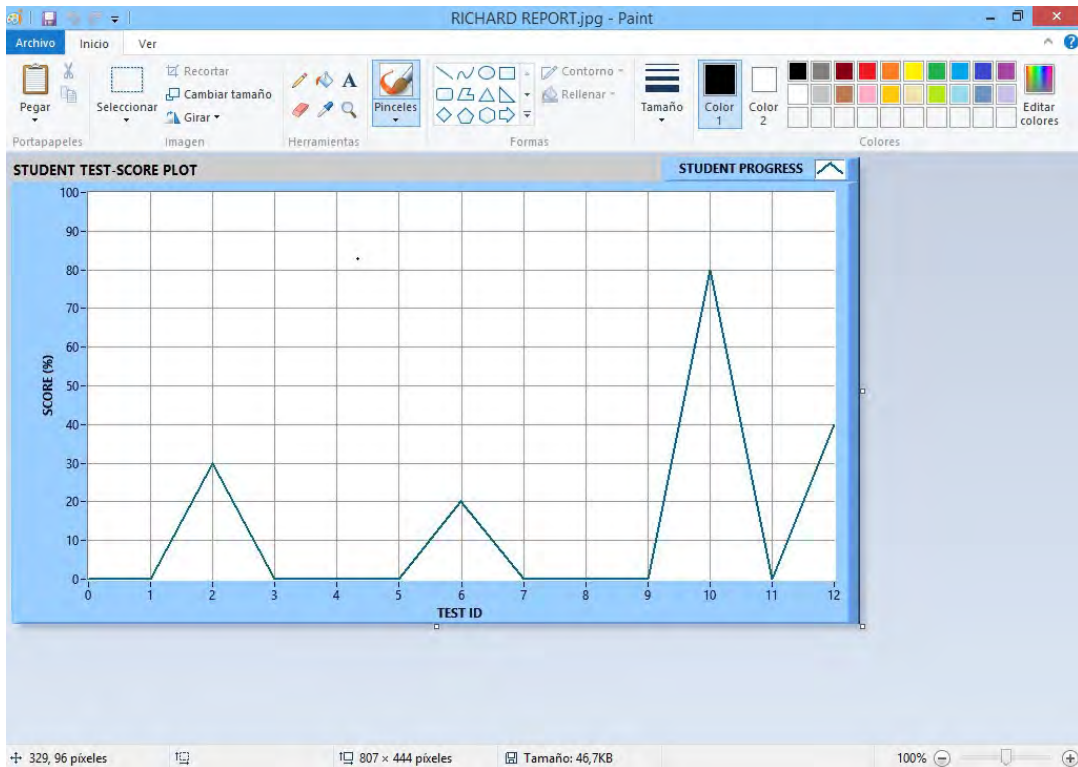
USER RESULT & REPORTS Program Package - Printable Reports (I): HTML

STUDENT RESULTS REPORT

DATE	WORKGROUP	UNIT	EXERCISE	STUDENT/S
lunes, 11 de abril de 2016 - 17:04	DEFAULT WORKGROUP	AEL-AD15A	ALL EXERCISES	richard@edibon.com

TEST ID	E-MAIL	WORKGROUP	UNIT/TASK	DATE & HOUR	RESULT NAME	RESULT TYPE	RIGHT QUESTIONS	SCORE (%)
0	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	17:40:08 04/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(1)	Training Test	0 of 5	0,00
1	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:10:17 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(2)	Training Test	2 of 5	40,00
2	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:11:35 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(3)	Training Test	2 of 5	40,00
3	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:15:57 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(4)	Training Test	0 of 5	0,00
4	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 2 AEL-AD15A	11:17:51 08/03/2016	TEST_n1_PE_n1-2_AEL-AD15A(5)	Training Test	5 of 5	100,00
5	richard@edibon.com	DEFAULT WORKGROUP	AEL-AD15A/TASK 4 AEL-AD15A	17:54:40 23/03/2016	TEST_n2_PE_n3-4_AEL-AD15A(1)	Training Test	0 of 5	0,00

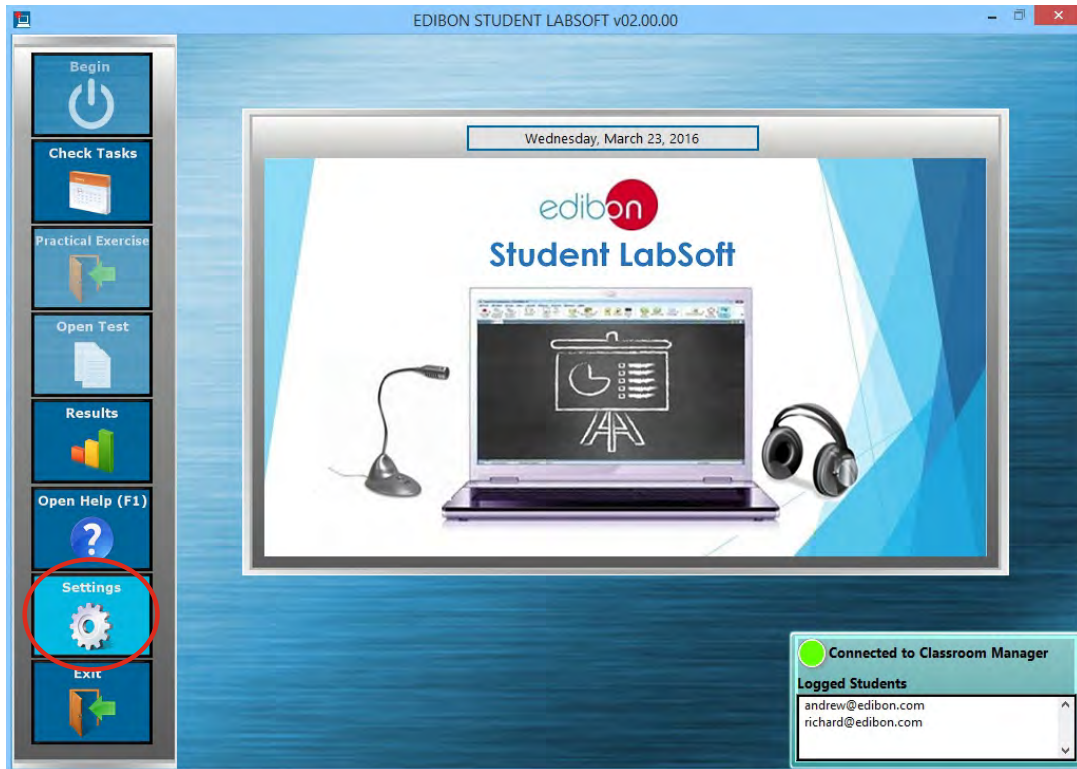
USER RESULT & REPORTS Program Package - Printable Reports (II): JPEG Picture



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.7. Options & Tools Program Package

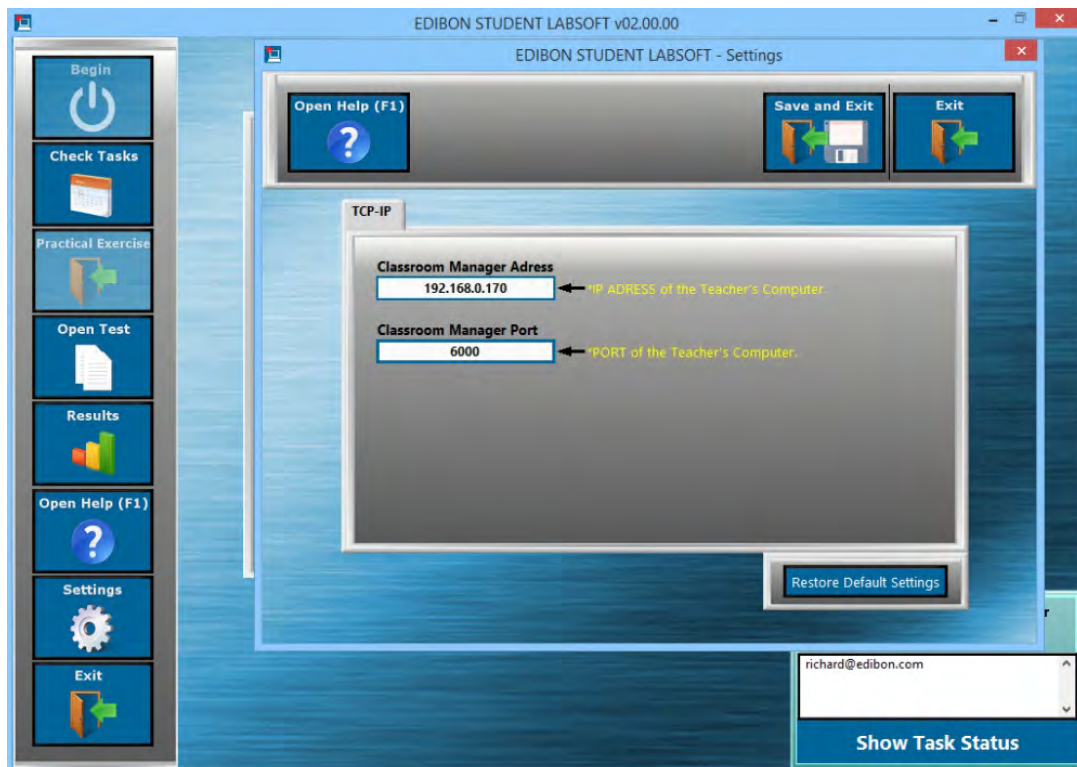
ESL-SOF. EDIBON Student Labsoft Software Application main screen



The Options & Tools Program Package includes the following modules:

- 2.7.1. **Easy Setting** for a **LAN Connection** allowing to introduce the Instructor's IP-address and Port the connection with the EDIBON Classroom Manager computer will be set.

OPTIONS & TOOLS Program Package



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.8. Context Help Program Package

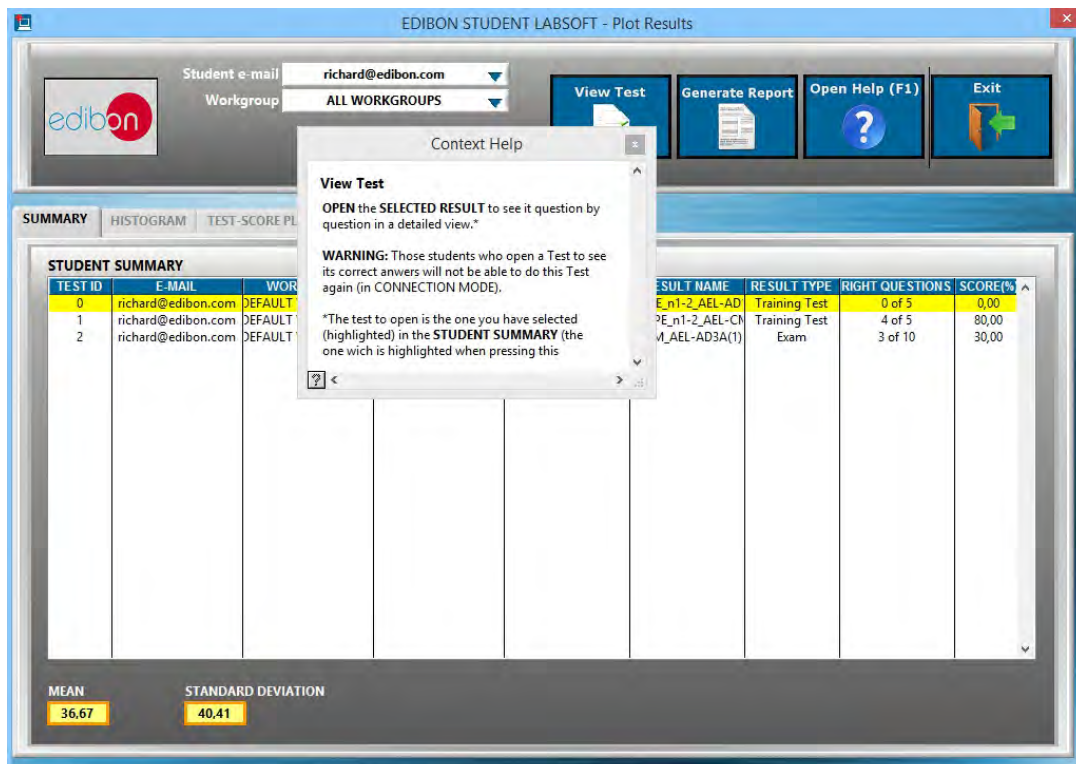
CONTEXT HELP Program Package - EDIBON Student Labsoft Software Application main screen



The Context Help Program Package includes the following modules:

- 2.8.1. **Floating Window** for the Context Help. This window displays short explanations of the functionalities that any control or indicator can perform.
- 2.8.2. **Enable and Disable Help**. You can activate/deactivate the Context Help window at any moment.
- 2.8.3. **Available anytime and anywhere**.

CONTEXT HELP Program Package – Floating Window



2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

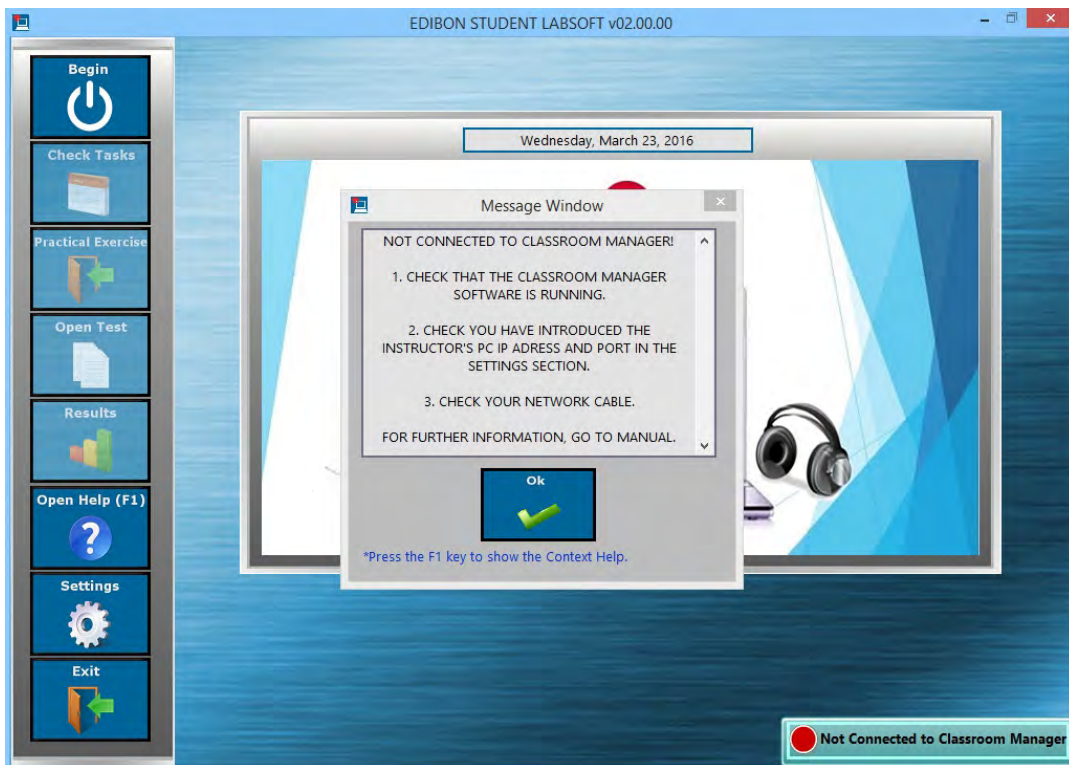
2.9. Operating Modes: LOCAL and LAN Program Package

The Operating Modes Program Package includes the following modules:

2.9.1. LOCAL Mode:

- Available EDIBON Practical Exercises, Training Tests and Multimedia Resources.
- Available EDIBON formulas and expressions.
- Auto Result Saving. Generated results are saved in a local Database.
- Training Test Results Viewer.
- Available Training Test Explanations.
- Printable Reports.

LOCAL MODE: EDIBON Student Labsoft Software Application main screen



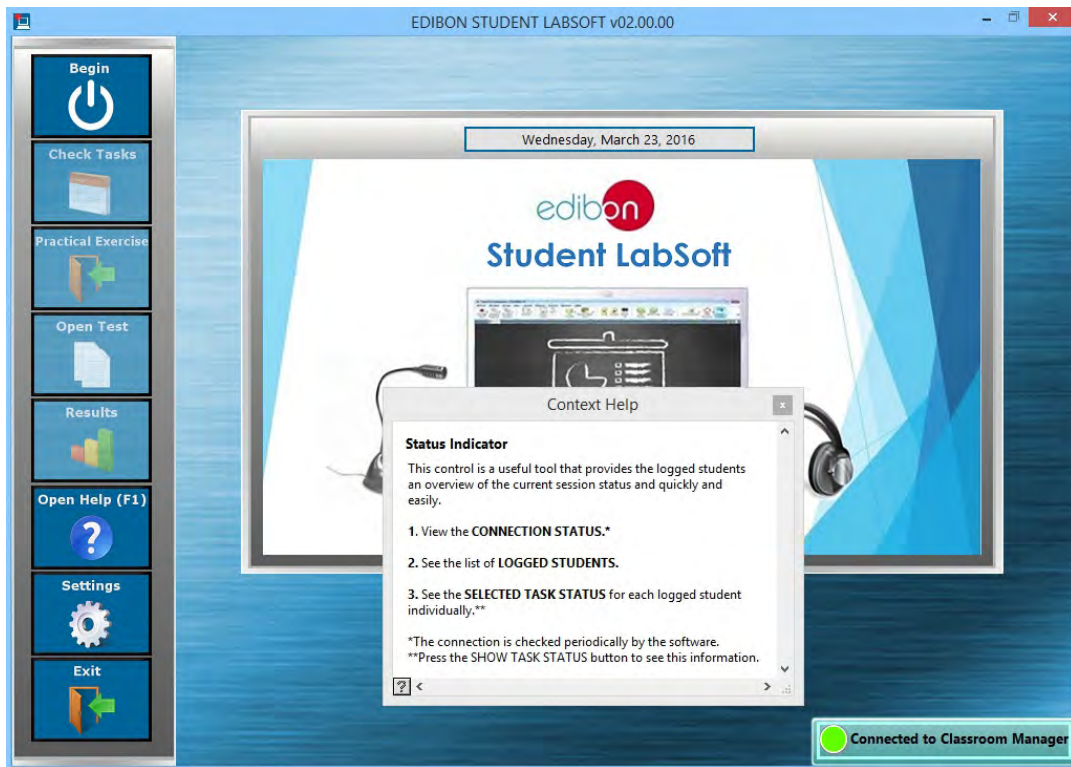
2. ESL-SOF EDIBON STUDENT LABSOFT SOFTWARE APPLICATION

2.9. Operating Modes: LOCAL and LAN Program Package (continuation)

2.9.2. LAN Mode:

- Available **Default Workgroup** for Users, provided by EDIBON.
- Available **Log-In and Registry for Multiple Users**.
- Available **EDIBON Scheduled Tasks** for Default Workgroup.
- **User Progressions** for Default Workgroup.
- **Task Status Viewer** for Default Workgroup.
- **User Database**.
- **Custom Workgroups**.
- **Custom Scheduled Tasks**.
- **Task Progression & Status** for Registered Users in Classroom Manager Database.
- **Custom Practical Exercises**.
- **Custom Training Tests and Exams**.
- **Custom Formula & Expression**.
- **Updatable** Multimedia Resources & Contents for Tasks.
- Available **Training Test and Exam Explanations**.
- All local mode features.

LAN MODE: EDIBON Student Labsoft Software Application main screen



*Specifications subject to change without previous notice, due to the convenience of improvements of the product.



C/ Del Agua, 14. Polígono Industrial San José de Valderas.
28918 LEGANÉS. (Madrid). SPAIN.
Phone: 34-91-6199363 FAX: 34-91-6198647
E-mail: edibon@edibon.com WEB site: www.edibon.com

Issue: ED02/16
Date: November/2016

REPRESENTATIVE: