

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.





More details: www.edibon.com/products/catalogues/en/ICAI.pdf





INTRODUCTION

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. <u>Calculations</u>: 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.

GENERAL DESCRIPTION

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:



 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.

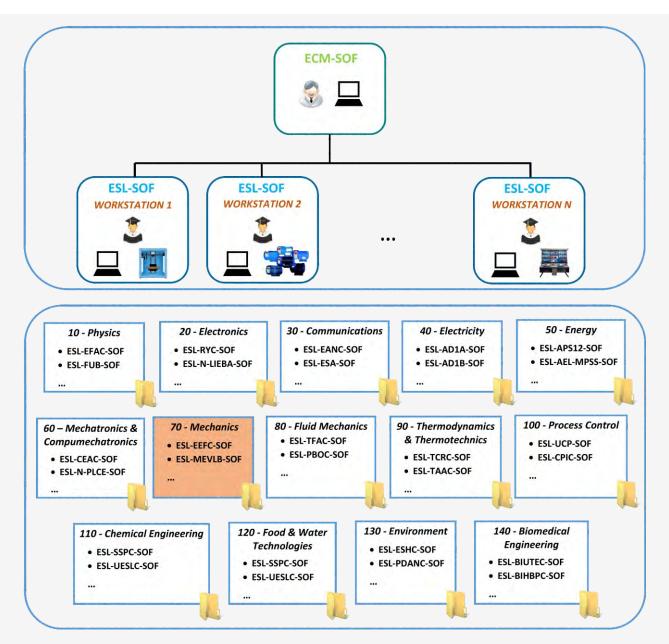
Practical Exercises accomplishment by following the Manual provided by EDIBON.



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

GENERAL DESCRIPTION

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



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

ECM-SOF. EDIBON Classroom Manager Software Application main screen

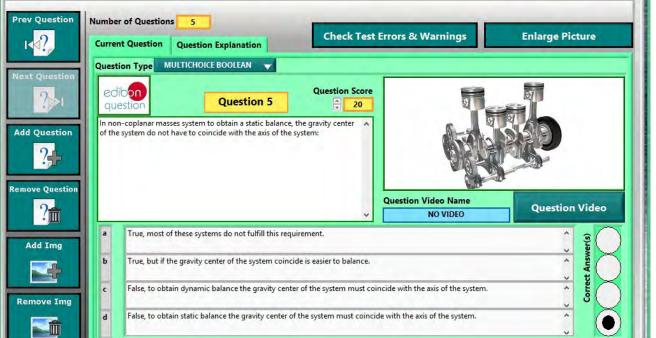


EWT. EDIBON Workgroups & Tasks Program Package - Main Screen

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ECAL. EDIBON Calculations Program Package - Formula Editor Screen



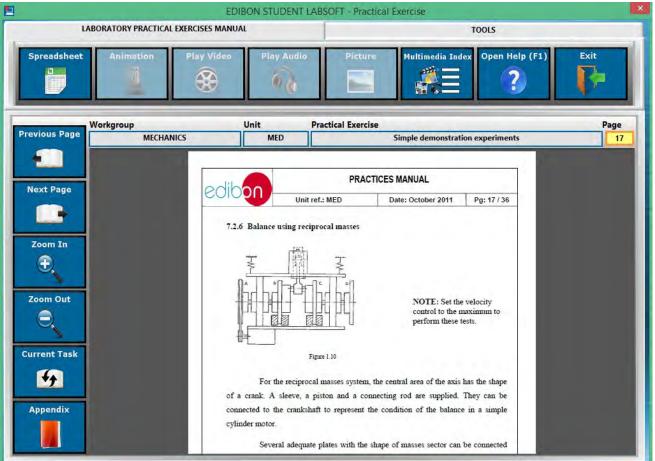


	ERS.EDIBON Results & Statistics Program Package - Detailed Test
	EDIBON CLASSROOM MANAGER - Results Viewer
edibon	Workgroup Unit Exercise MECHANICS MED TEST_n2_PE_n2-3_MED(1)
Teacher Name EDIBON INSTRUC	Enlarge Picture
Question 7 Question 2 Question 3 Question 4 Question 5	Current Question Question Explanation Current Question Question Score Question Question 2 (Right) 20 To obtain a dynamic balance, no resultant centrifugal force acting on the rotation axis must exist. Besides, in the moment in which the respective forces are not located in the plane, no resultant rotation moment over any reference plane must exist. Image Pricture Question Video Name Question Video Name Question Video
	a True b False, are required but not enough conditions. c False, the second one is not required condition. d False, to obtain a dynamic balance, resultant rotation moment over any reference plane must exist.
	ERS.EDIBON Results & Statistics Program Package - Student Scores Histogram EDIBON CLASSROOM MANAGER - Results & Statistics
edibon	Student Test Delete Result Generate Report Export Image Image Image Image Image Image
WORKGROUP	
INIT/TASK SUMMARY	TASK-STUDENT MEAN SCORE PLOT TASK HISTOGRAM STUDENT SUMMARY STUDENT TEST-SCORE PLOT STUDENT HISTOGRAM Image: Structure of the structure
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2 michaelmoore@ed	ii 15-, 0 i 2 3 STUDENT ID
46,67 Standard Deviation 36,13	Restore Graph

ESL-SOF. EDIBON Student LabSoft Software Application main screen



EPE. EDIBON Practical Exercise Program Package main screen



ECAL. EDIBON Calculations Program Package main screen

		D.	SPREAD	COLLED.	-		1
Compute	Clear	Plot Table	Plot Function $f(x)$	Save Table	Load Table	Open Help (F1)	Exit
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ETTE. EDIBON Training Test & Exam Program Package – Multi-Choice Question for a Training Test.

EDIBON STUDENT LABSOFT - Test							
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Workg	group MECHANICS	Unit MED	Exercise EXERCISE	CAM_n1_MED	EXAM		
	er Name DIBON INSTRUCTOR	Student e-mails andrewmurray@edibon.o		Test Time Left Time 01:00:00 00:59:16	Enlarge Picture		
Determ M1= 0, M2= 0.	Que estion Que nine if the next non-coplanar system i 12,8 g /2 Kg Theta1=0° r1=0,1 m /1 Kg Theta2=90° r2=0,15 m /1 Kg Theta3=216,87 ° r3=0,25 m 1	estion 1	Question Vie NO VIDEO	deo Name	Question Video		
a	There are not enough data.				Ĵ 🔾		
b	Yes, it is balanced.						
	It would be balanced if r3=2,5 m.						
	It would be balanced if r3=2,5 m. It has not solution.						

EDIBON STUDENT LABSOFT - Results Viewer Open Help (F1) Exit Workgroup Unit Exercise 2 edib MECHANICS MED TEST_n2_PE_n2-3_MED(1) # of Questions Right Questions Score(%) Test Hour & Date Teacher Name **Student Name** 11:11:25 10/01/2017 EDIBON INSTRUCTOR TRAINING TEST andrewmurray@edibon.com 60 5 3 **Enlarge Picture** Question 1 ^ Current Question Question Explanation **Question 2** EXPLANATION: No resultant centrifugal force acting on the rotation axis must exist is required but not enough condition to obtain dynamic balance. **Question 3 Question 4 Question 5 Explanation Video Name** NO VIDEO **Explanation Video Explanation Video Description** NO DESCRIPTION FOR THIS VIDEO A

ERS.EDIBON Results & Statistics Program Package - Student Scores Progression

2		EDIBON STUDENT	LABSOFT - Results & S	tatistics	×
edibon	Workgroup Unit	Irewmurray@edibon.com MECHANICS MED ST_n1_PE_n_1-2_MED	View Test	Generate Report	F1) Exit
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STUDENT TEST-SO	CORE PLOT			STUDENT PROGRESS	Export Image
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80					
-00 50			/		
40					
20					
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		TESTI	D		Restore Graph

ERS.EDIBON Results & Statistics Program Package – Question Explanation

ADDITIONAL AND OPTIONAL ITEMS

EDIBON-NET allows unlimited students to connect and take advantage of ICAI software in a wide variety of areas, in any classroom by offering additional network hardware:

- ✓ Gigabit Ethernet Switch.
- ✓ Gigabit Ethernet Wire.
- ✓ Network Card.

* For more details, please contact us.



REQUIREMENTS

1. Operating System:

Windows 7 32 bits or later.

2. PC Hard drive free space:

Between 1GB and 10GB depending on the units purchased.

3. RAM:

2GB.

4. Processor:

Intel Core i5.

5. Screen resolution:

1024 x 768 or higher.

6. Windows complements:

.NET Framework 4.5 or later must be activated (this complement can be installed with the CD provided by EDIBON).

7. Windows media player 12:

Included in Windows Vista, 7, 8 and 8.1 by default.

8. PDF reader:

Adobe Reader X or later (this software can be installed with the CD provided by EDIBON).

9. Web browser:

Internet Explorer, Mozilla Firefox or Google Chrome.

10. A CD/DVD drive:

A free USB port to plug the HASP USB Key (this key is provided by EDIBON).

11. A Network Interface Card.*

12. A Network Cable must be plugged to the computer to work in LAN MODE.*

* Requirements 11 and 12 are necessary to set a connection between EDIBON Classroom Manager and EDIBON Student LabSoft, otherwise EDIBON Student LabSoft will work just in LOCAL MODE.

REPRESENTATIVE:

More details: www.edibon.com/products/catalogues/en/ICAI.pdf

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



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