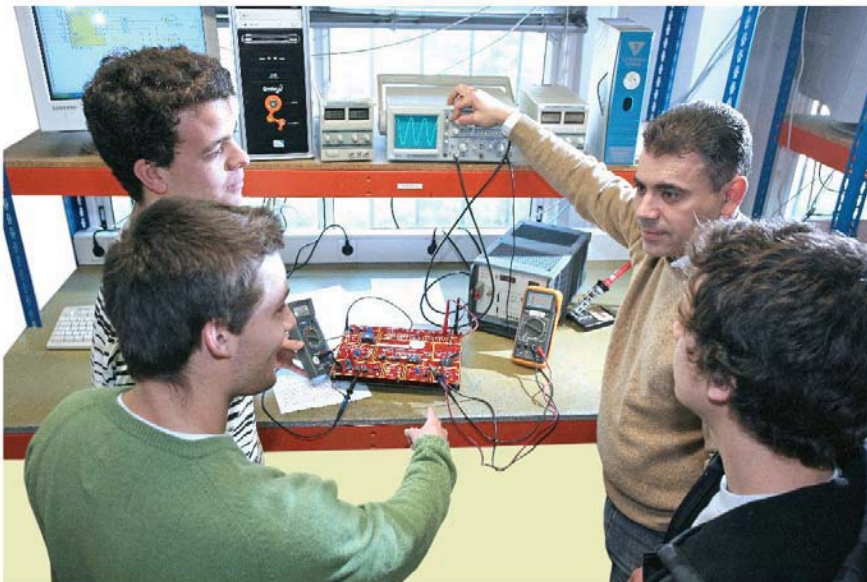


PROJECTX Nº 012

“SIGNAL MEASURES ON CATV AND IPTV”

PRESENTATION



Promotingschool:

EscolaProfissionalValdoRio
Oeiras. Portugal



A. GENERAL DESCRIPTION

Title of the ProjectX

SIGNAL MEASURES ON CATV AND IPTV

Core area

GENERAL / KNOWLEDGE **TELECOMMUNICATIONS**

PARTICULAR / ACTIVITY: **MEASURES AND INSTALLATION OF DIGITAL TELEVISION SIGNAL**

Promoting school

VALDORIO

Schools participants in the revision of the ProjectX

LYSEE ISAAC NEWTON
UNIVERSITY OF PITESTI
MERAM VOCACIONAL SCHOOL

Reference to ECVET Credit System and EQF / NQF

ECVET	EQF	REFERENCE TO NATIONAL QUALIFICATIONS (NQF)						
		Spain	Finland	Romania	Portugal	UK	Turkey	France
2	4	4	4	3	4	3	4	4

Learning Outcomes achieved (to be developed in the future related with ECVET credit system)

1. Install Hardware and Accessories
2. Lay Out and Install Coaxial Cables / twist pair
3. Install Active and Passive Devices and Accessories
4. Install Subscriber Drop Lines

Time that is necessary to do the ProjectX (in hours)

Theory: 8 hours
Practice: 30 hours

Link to real companies in your region (it is just informative)

1. NAME: ZON - MULTIMEDIA WORKPLACE: INSTALLATION OF CATV SYSTEMS AND OTHER SERVICES
2. NAME: VIATEL LDA WORKPLACE: INSTALLATION OF IPTV SYSTEMS AND OTHER SERVICES



B. THEORY

Objectives of the theoretical Knowledge

1. Learn how to use Hand Tools
2. Perform Mensuration and Calculation
3. Prepare and Interpret Technical Drawing
4. Apply Quality Standards

List of activities

1. Theoretical assessment questionnaire
2. Video demonstration of procedures
3. Typical Installation of a residential installation of CATV

C. PRACTICE

Brief description of the Practice

Coaxial cabling installation
Configuration setup box and router

Steps or activities to be performed by the student

First:	Design and calculation of the distribution of a TV signal
Second:	Wiring Assembly specifies for distribution of TV signal
Third:	Equipment Configuration



D. DETAILED DESCRIPTION OF LEARNING OUTCOMES.

Learning Outcome:	Install Hardware and Accessories
Knowledge	
-	List the necessary equipment to installation
Skills	
-	Configure the equipment
Competences	
-	Explain equipment function

Learning Outcome:	Lay Out and Install Coaxial Cables / twisted pair
Knowledge	
-	Draw the signal distribution system
Skills	
-	Apply connectors on cables
Competences	
-	Identify spaces carefully

Learning Outcome:	Install Active and Passive Devices and Accessories
Knowledge	
-	Calculate the mitigations
Skills	
-	Specify the equipment
Competences	
-	Install carefully and leave the workplace clean

Learning Outcome:	Install Subscriber Drop Lines
Knowledge	
-	Specify materials and procedures
Skills	
-	Learn how to do installation in public areas
Competences	
-	Teamwork

