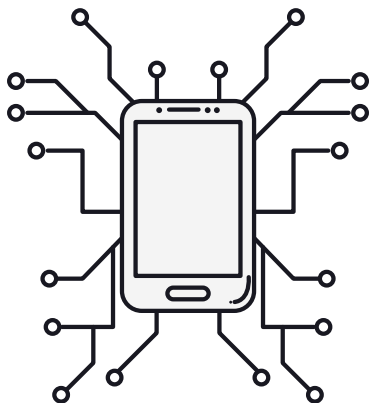


ACCESS REQUIREMENTS

BE IN POSSESSION OF ONE OF THE FOLLOWING TITLES:

- A) HIGHER TECHNICIAN IN PROGRAMMING OF THE PRODUCTION IN MECHANICAL MANUFACTURING
- B) TÈCNIC SUPERIOR EN DISSENY EN FABRICACIOMECÀNICA.
- C) SENIOR DESIGN TECHNICIAN AT MECHANICAL MANUFACTURING.
- D) HIGHER TECHNICIAN IN MECHATRONICS INDUSTRY
- E) SENIOR TECHNICIAN IN ELECTRONIC MAINTENANCE.
- F) SENIOR TECHNICIAN IN AUTOMATION AND INDUSTRIAL ROBOTICS

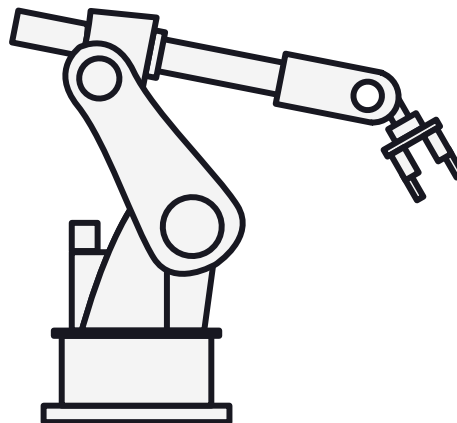
DURATION: 600 HOURS



Formació Professional
Comunitat Valenciana



IES Bernat Guinovart



IES Bernat Guinovart

C/ Joan Fuster, s/n. 46680 – Algemesí, Ribera Alta

Tlf. 96 245 78 25

Fax. 96 245 78 26

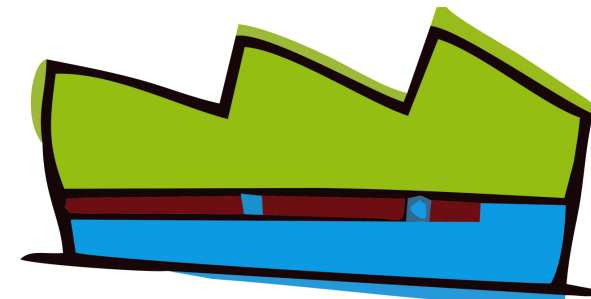
e-mail: 46001217@gva.es



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FABRICACIÓ INTEL·LIGENT

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Industry 4.0

INTERNSHIP

**INTELLIGENT
PRODUCTIVE
PROCESSES**

**VIRTUALIZATION
OF MACHINES
AND
PRODUCTIVE
PROCESSES**

PROFESSIONAL MODULES

**METROLOGY AND
SMART
SENSORS**

**NET
CONNECTED
SYSTEMS
AND
INDUSTRIAL
INTERNET
OF THINGS**

**WHAT I WILL
LEARN**

FABRICACIÓ INTEL·LIGENT

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**WHAT I WILL
LEARN**

PROCESS CONTROL

LEAN MANUFACTURING

DESIGN OF MANUFACTURING CELLS I
BALANCED PRODUCTION LINES

PLANNING AND CONTROL
OF PRODUCTION (MRP, ERP, MES)

INDUSTRIAL COMMUNICATIONS

CYBER SECURITY: CONTROL SYSTEMS
INDUSTRIAL INSURANCE

PROFINET, ETHERNET IP, OPC UA, MQTT

INDUSTRIAL SAFETY

SECURITY PLCS PROGRAMMING

VIRTUALIZATION

SYSMAC STUDIO 3D

TIA PORTAL AND FACTORY I/O

**SOFTWARE WE WORK
WITH**

SIEMENS

OMRON

ABB

ePLAN

ARDUINO

AND MANY MORE.....

DATABASES AND DIGITIZATION

RELATIONAL MODEL (MYSQL, MARIADB) AND NON-
RELATIONAL (INFLUXDB, MONGODB)

DATABASE MANAGEMENT TOOLS

**IOT ARCHITECTURE. CLOUD, FOG AND
EDGE COMPUTING**

OPC UA / MQTT

HARDWARE IIOT(INDUSTRIAL INTERNET OF THINGS)
OPENSOURCE SOLUTIONS (RASPBERRY PI)

ADVANCED SENSOR

AUGMENTED REALITY

IO-LINK SENSOR

COMPUTER VISION SYSTEMS