

## VITALIS Internship Electronics

### For students of:

- IT & Computer
- Mechatronics
- Electronics
- Electrics
- Informatics



### Learning Outcomes

- Prepare electronic components and systems for assembly
- Perform work in the field of mechanical assembly of electronic elements and devices, perform measurements of installation parameters according to technical documentation
- Program electronic devices, support computer programs that test electronic systems and devices
- Preparing documentation from the performed work, draw conclusions on the basis of technical documentation, catalogues and operating manuals
- Test and evaluate the function of control systems, selecting hardware and software components, installing and configuring device- and system-specific software
- Select and use measuring and test procedures and diagnostic systems to measure, test and record electrical quantities and signals

### Focal Points and Tasks

- Making samples and prototypes of individual pieces
- Creating drafts, layouts and production documents, e.g. circuit, installation and wiring diagrams, individual component drawings of components or groups
- Selecting and adapting mechanical, electrical and electronic components and assemble them into devices and systems
- Creating and assembling printed circuit boards
- Mounting and configuring information technology hardware and components, sensors and actuators
- Installing, configuring and customising software
- Testing components, devices and systems, creating technical documentations

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