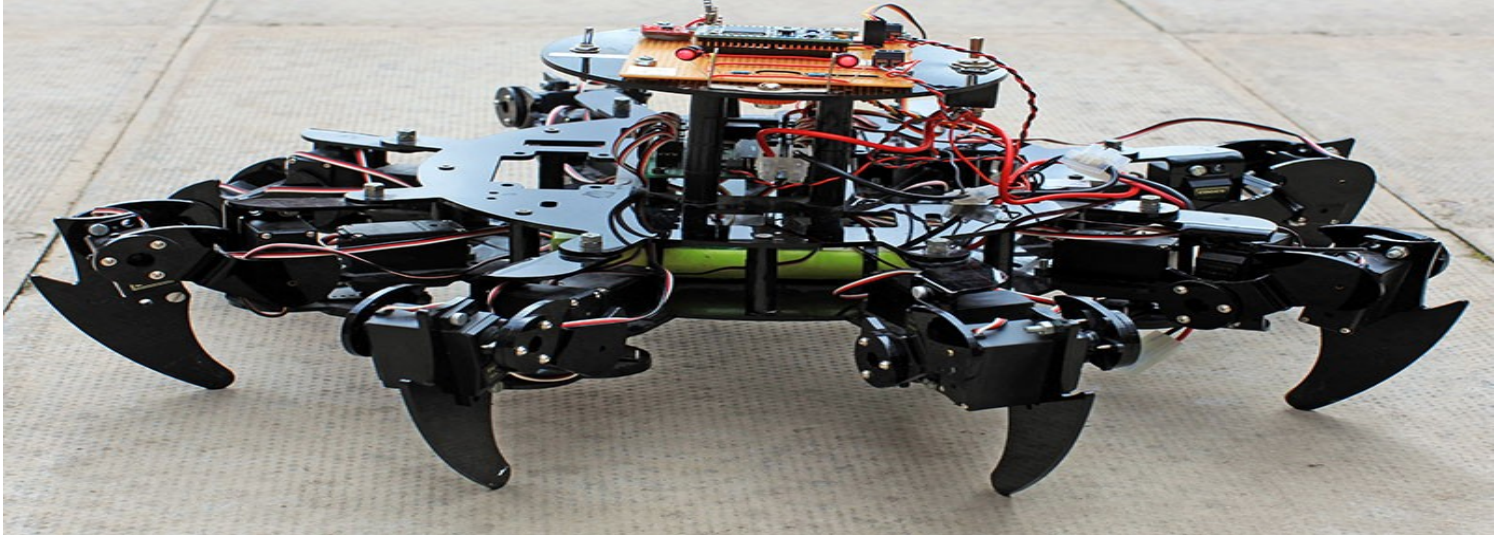


Sector : MECHANICAL AND PRODUCTION ENGINEERING



Acronym : MECATR

Option: MECHATRONICS

Level : BTS

Prerequisites: Scientific series or equivalent level

Opportunities:

- Production technician;
- Electronic test technician;
- Electronic technician.

Description:

The purpose of this specialty is to make students capable of carrying out preventive and corrective maintenance activities for vehicles in which electronics are increasingly involved in the operation of equipment related to safety, trajectory control, anti-collision devices and other navigation systems.

REQUIRED SKILLS

Generic skills

- Work independently, collaborate in a team;
- Analyze, synthesize a professional document (French, English);
- Communicate orally, in writing, in the company or outside (French, English);
- Participate in / Lead a project management process;
- Know and exploit the professional and institutional networks of the automotive mechanics and electronics sectors.

Specific skills

- Design “intelligent” systems to improve the performance of all types of equipment;
- Ensure the link between the teams specialized in mechanics and electronics;
- Commissioning, adjusting and monitoring machines made up of mechanical, hydraulic, pneumatic, electrical and electronic elements;
- Commissioning, adjusting and monitoring automated production facilities;
- Commissioning control, regulation and signaling systems;
- Identify breakdowns (computer and measuring tools);
- Carry out or have carried out the repairs which are necessary by the correct replacement of the defective parts;
- Ensure a technological watch.