

Robotics Certification Scheme and Categories EDLRIS (ATHU009)

- 1-2 interactive tasks and multiple-choice questions per category
- Max. 20 questions/tasks
- Max. 2 hours per certification
- Supervised certification, single-person work, open-book

Robotics Basic	Robotics Advanced
Line Following	DOF/DOM
Flowcharts	Direct geometry
Basic of feedback control	Jacobian
Turning methods	Closed/open loop
Geometry and kinematics	Referential systems
Graphical programming	Robotic arms
Motors	Mobile robots
Robotics sensors	Kalman filter
Basics of programming	Localization of a mobile robot
Elements of an educational robot	Kinematical model
Ethics	Ethics
Functional elements of a robot	Definition of a robot; Agents
History of robotics	History of robotics
Terminology of robotics	Terminology of robotics
Teaching strategies (trainer only)	Teaching strategies (trainer only)