Robotics 10

Learning Outcomes:

* + 1. the development of an understanding of the design process.
    2. the development of an understanding of the history of technological development (with an emphasis on robotics).
    3. The development of the ability to act on and make projections from a base of technological knowledge.
    4. the development of basic collaborative skills.
    5. the use of collaborative skills on a daily basic.
    6. the use of collaborative skills to set and achieve team planning goals.
    7. the development of an awareness of both basic safety skills in workplace locations and the daily use of that knowledge to create a safe work environment.
    8. the development of building skills (from provided materials).
    9. the development of problem-solving, creativity, and critical thinking skills in the design and adaptation of robots.
    10. the development of basic object-oriented programming skills.
    11. the development of problem-solving, creativity, and critical thinking skills in the design and adaptation of the programs needed to manage and control robots.
    12. the development of student awareness of the need to engage in both short and long-term career planning.
    13. the development of student planning skills and the use of planning tools to create both short and long-term career plans related to this course and other fields of interest.