Activity: Automation and Robotics
Expected output: list of solutions/products, written discussion

Choose one of the key areas in lab automation. Research 5 existing solutions/products in this area. Provide sample images and discuss the following:

    a.   General discussion about what this laboratory area is
    b.   List of solutions/products
         i.   Product Name
         ii.   Brief description
         iii.   Features
         iv.   Sample images
         v.   Source/Reference
    c.   What are the benefits of automation in this particular lab area
    d.   What are the ethical considerations that might arise with automation in this particular lab area

Note: The solutions/products must utilize some form of automation or robotics

Rubrics

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)
Clarity and Organization	Report is well-organized, clear, and concise with no unnecessary information.	Generally clear, but with minor organizational or clarity issues.	Report is somewhat disorganized, making it hard to follow.	Report is poorly organized and difficult to follow or understand.
Technical Depth	Provides a thorough explanation of AI concepts and the technical aspects.	Explains most technical aspects well but lacks depth in some areas.	Some technical details are incorrect or missing.	Lacks necessary technical details, missing or incorrect information.
Use of Language	Excellent use of precise, formal language with no grammatical or spelling errors.	Good use of formal language, with minor grammatical errors.	Informal language or multiple grammatical errors.	Poor language use, with many grammatical or spelling errors.
Graphics and Media	Effective and professional use of visuals (e.g., diagrams, charts) to support the text.	Good use of visuals, though some could be improved.	Basic visuals that lack professionalism or clarity.	Missing or inappropriate use of visuals.