

## Higher Nitec in Robotics & Smart Systems

HFRSS

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6 month IA Duration

MC5015FPE

1. Interpret technical drawings
2. Interpret wiring diagrams
3. Perform basic electrical wiring
4. Interpret pneumatic circuits
5. Set up robotics system
6. Set up smart sensor modules
7. Perform communication between sensor and controller unit
8. Troubleshoot faults in smart sensor system
9. Interface robot with external devices
10. Teach robot for industrial applications
11. Set up robotics safety system
12. Troubleshoot faults in automation system
13. Perform mechanical maintenance
14. Set up vision system
15. Execute safety work practices