

Higher Nitec in Precision Engineering

HFPCZ, HFPCZ21

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6 month IA Duration

PE5004FPE

1. Comply with workplace safety and health
2. Interpret engineering drawings
3. Create 2D drawings
4. Create 3D solid model
5. Determine sequence of machining processes
6. Select machining parameters
7. Select cutting tools
8. Generate CNC tool paths
9. Generate CNC part program
10. Perform tooling setup
11. Transfer and edit CNC part program
12. Carry out CNC machining
13. Carry out in-process inspection
14. Optimize machining parameters
15. Carry out part inspection and report generation
16. Handle and lift heavy and big parts (1 ton and above)
17. Carry out multi-tasking operations