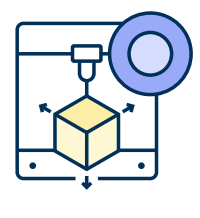
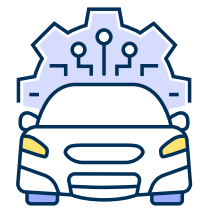


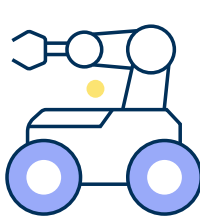
Engineering Technology & Science

1 Additive Manufacturing


Category: Worlds Skills
Chief Expert: Aisha Alameeri (AS)
Description: Producing functional parts using 3D printing technologies and industry-standard additive manufacturing practices.

2 Automobile Technology


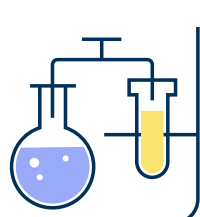
Category: Worlds Skills
Chief Expert: Lina Momani (DBA)
Description: Diagnosing, maintaining, and servicing modern vehicle systems while applying technical knowledge, efficiency, and industry standards.

3 Autonomous Mobile Robotics


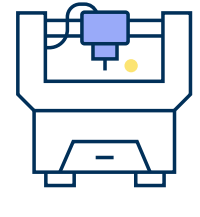
Category: Worlds Skills
Chief Expert: Yasmeen Abukheil (ADA)
Description: Building, programming, and controlling mobile robots to complete assigned technical missions.

4 Aircraft Maintenance

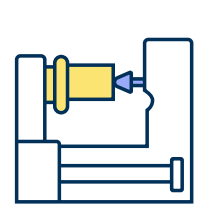

Category: Worlds Skills
Chief Expert: Nilesh Narvekar (DBA)
Description: Inspecting and maintaining aircraft systems in line with international standards, including sheet metal work, powered flight control unit systems, electrical wiring, and real-world maintenance tasks.

5 Chemical Laboratory Skills


Category: Worlds Skills
Chief Expert: Szu Szu Ling (ADA)
Description: Conducting analytical testing, titrations, and laboratory operations while applying safe, accurate, and efficient laboratory techniques.

6 CNC Milling


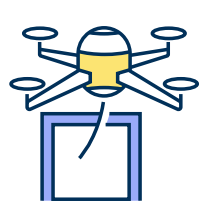
Category: Worlds Skills
Chief Expert: Arun Murali (DBA)
Description: Programming, setting, and operating CNC milling machines with precision.

7 CNC Turning


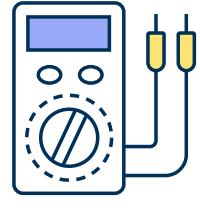
Category: Worlds Skills
Chief Expert: Jaikumar Sankara (DBA)
Description: Programming and operating CNC lathes for precision manufacturing tasks.

8 CubSat Competition

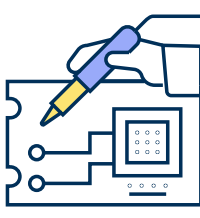

Category: HCT Skills
Chief Expert: Mohd Sharizal (DBA)
Description: Designing and programming CubeSat satellite models for space technology challenges.

9 Drones Competition


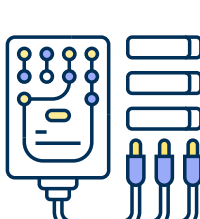
Category: HCT Skills
Chief Expert: Warren Fortunato (ADA)
Description: Assembling, programming, testing, and executing real-world drone flight missions.

10 Electrical Installations


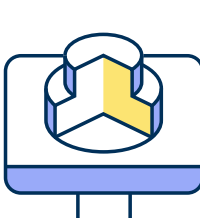
Category: Worlds Skills
Chief Expert: Kamal Abuqaud (SJA)
Description: Installing, maintaining, and troubleshooting electrical, solar, and renewable energy systems.

11 Electronics


Category: Worlds Skills
Chief Expert: Mahesh Nair (ADA)
Description: Designing, testing, and troubleshooting electronic circuits and devices.

12 Industrial Control


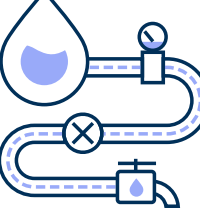
Category: Worlds Skills
Chief Expert: Nasr-Eddine Bouhenna (ADA)
Description: Designing, programming, and troubleshooting control systems using PLCs, sensors, automation software, and industrial control standards.

13 Mechanical Engineering CAD


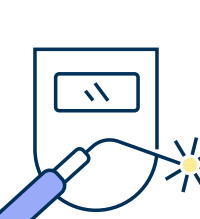
Category: Worlds Skills
Chief Expert: Huned Bohari (ADA)
Description: Creating accurate 2D drawings and 3D models using CAD tools in line with technical and industry design requirements.

14 Renewable Energy


Category: Worlds Skills
Chief Expert: Yacouba Moumouni (RKB)
Description: Installing, maintaining, and troubleshooting solar and renewable energy systems according to industry practices.

15 Water Technology


Category: Worlds Skills
Chief Expert: Yanto Rasit (ADA)
Description: Installing, operating, and maintaining water treatment and distribution systems according to industry standards.

16 Welding


Category: Worlds Skills
Chief Expert: Tom Sunny (FJF)
Description: Performing high-quality welds using standard welding techniques while meeting safety and industry quality requirements.