



HCTSKILLS
مهارات كليات التقنية العليا

HCT Skills Competitions

Agenda & Skills List

18–19 November 2025
HCT-Abu Dhabi, Baniyas Campuses

Take your skills to the next level!



HCT-Abu Dhabi, Baniyas Building A and B

DAY 1
Tuesday
18
November
2025

Timings	Activity
08:00 AM – 10:30 AM	Registration & Orientation
10:30 AM– 11:00 AM	Competition Briefing and Setup
11:00 AM – 01:00 PM	Competition – Slot 1
01:00 PM – 02:30 PM	Break
02:30 PM – 04:30 PM	Competition – Slot 2



HCT-Abu Dhabi, Baniyas Building A and B

DAY 2
Wednesday
19
November
2025

Timings	Activity
08:00 AM – 10:30 AM	Arrival
10:30 AM– 11:00 AM	Competition Opening Ceremony
11:00 AM – 01:00 PM	Competition – Slot 3
01:00 PM – 02:30 PM	Break
02:30 PM – 04:30 PM	Competition – Slot 4

Closing Ceremony

21 November 2025, RAK Campus



Applied Media



1 Digital Photography



Category: HCT Skills

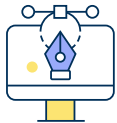
Chief Expert: **Mustafa Pracha (RKA)**

Description: A two-day DSLR competition focused on technical and creative photography.

Day 1 includes capturing images in different scenarios.

Day 2 includes editing, printing, and preparing an exhibition-style presentation.

2 Graphic Design Technology



Category: WorldSkills

Chief Expert: **Susan De Guzman (SJA)**

Description: Participants develop branding and identity for the AI Media Conference 2025 theme.

Tasks include logo creation, visual communication materials, and multi-format graphics for print and digital platforms.

3 Media Production



Category: HCT Skills

Chief Expert: **Yohance Douglas (ADA)**

Description: This competition simulates a full media production workflow, including interviews, B-roll filming, editing, sound design, and producing two 15-second promotional videos optimized for social media.



Engineering Technology & Science



1 Aircraft Maintenance

Category: WorldSkills
Chief Expert: Afwan Ghumra (ADA)
Description: Aircraft inspection and maintenance based on international standards.



2 Drones Competition

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



3 Autonomous Mobile Robotics

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



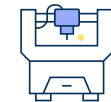
4 CAD-Based Design & 3D Printing

Category: HCT Skills
Chief Expert: Aisha Alameeri (SJA)
Description: Computer-aided design, prototyping, and additive manufacturing for industrial use.



5 Chemical Laboratory Skills

Category: WorldSkills
Chief Expert: Szu Szu Ling (ADA)
Description: Analytical testing, titrations, and laboratory operations for chemical industries.



6 CNC Milling

Category: WorldSkills
Chief Expert: Akram Habib (ADA)
Description: Programming, setting, and operating CNC milling machines with precision.



Engineering Technology & Science

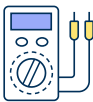


7 CNC Turning



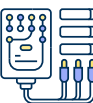
Category: WorldSkills
Chief Expert: Jaikumar Sankara (DBA)
Description: Precision programming and operation of CNC lathes.

8 Electrical Installations



Category: WorldSkills
Chief Expert: Kamal Abquaaud (SJA)
Description: Wiring, safety systems, and electrical installations for residential and commercial buildings.

9 Industrial Control



Category: WorldSkills
Chief Expert: Nasr-Eddine Bouhenna (ADA)
Description: PLC programming, automation, and process control in industry.

10 Mechanical Engineering CAD



Category: WorldSkills
Chief Expert: Huned Bohari (ADA)
Description: 2D/3D mechanical design and technical drawing.

11 Electronics



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

12 CubeSat Technology



Category: HCT Skills
Chief Expert: Vu Thu (CS)
Description: Designing and programming CubeSat satellite models for space technology challenges.

13 Renewable Energy



Category: WorldSkills
Chief Expert: Yacouba Moumouni (RKB)
Description: Installation, maintenance, and troubleshooting of solar and renewable energy systems



Computer Information Science



1 Cyber Security



Category: WorldSkills
Chief Expert: Nedaa Al Barghuthi (SJA)
Description: Protecting IT systems against cyber threats through ethical hacking, penetration testing, and security operations.

2 IT Network Systems Administration



Category: WorldSkills
Chief Expert: Zahoor Khan (FJF)
Description: Installation, configuration, and maintenance of IT networks, ensuring secure and efficient operations.

3 IT Software Solutions for Business (Future Coders)



Category: WorldSkills
Chief Expert: Asad Safi (SJA)
Description: Developing software solutions to solve business challenges using coding and application development.

4 Mobile Applications Development



Category: WorldSkills
Chief Expert: Ali Farhat (SJA)
Description: Designing, coding, and testing functional mobile applications for iOS and Android.

5 Web Technologies



Category: WorldSkills
Chief Expert: Rima Dessi (SJA)
Description: Designing and developing interactive and dynamic websites using modern frameworks.



Health Sciences



1 Social Work Skills and Techniques



Category: HCT Skills
Chief Expert: Khaoula Benothman (ADB)
Description: Application of Social Work values, and an evidence-based knowledge and skill set during assessment and intervention with diverse client populations.

2 HNR Health and Social Care



Category: WorldSkills
Chief Expert: Howieda Fouly (RKA)
Description: Simulated nursing practices, patient care procedures, and health assessments.

3 HIM Health Data Visualization



Category: HCT Skills
Chief Expert: Niladri Majumder (ADB)
Description: Using data visualization tools to convert health data into meaningful dashboards and reports.

4 Clinical Rescue Skills



Category: HCT Skills
Chief Expert: Nurhan Chuen (SJA)
Description: Showcase the proficiency in recognizing and managing traumatic thoracic injuries, managing hypovolemia, while adhering to protocols as per the paramedic scope of practice.

5 Diagnostic Laboratory Practices



Category: HCT Skills
Chief Expert: Joelle Kiklikian (SJA)
Description: Conducting diagnostic laboratory tests with accuracy and compliance to health standards.



Business



1 Developing Portfolio Construction and Risk Management



Category: HCT Skills
Chief Expert: Florida Veljanoska (ADA)
Description: Building investment portfolios, risk assessment, and financial decision-making.

2 Digital Marketing



Category: HCT Skills
Chief Expert: Tabani Ndlovu (MZY)
Description: Creating social media strategies, campaigns, and analytics-driven digital engagement.

3 Entrepreneurship



Category: HCT Skills
Chief Expert: Veselina Yankova (DBN)
Description: Developing business ideas, planning, and pitching innovative entrepreneurial solutions.

4 Logistics and Freight Forwarding



Category: WorldSkills
Chief Expert: Aleksandra Zivaljevic (SJB)
Description: Managing supply chains, international shipping, and freight forwarding operations.

5 Financial and Sustainability Analysis



Category: HCT Skills
Chief Expert: Rihab Grassa (DBN)
Description: Reviewing and evaluating corporate sustainability reports for compliance and improvement.



Education



1 CT4Kids Entrepreneurial Challenge



Category: HCT Skills

Chief Expert: **Ahmet Konca** (SJB)

Description: Students design creative learning activities for young children using computational thinking skills such as patterns, sequencing, and basic coding.

2 Early Childhood Digital Storytelling with AI Integration



Category: HCT Skills

Chief Expert: **Maitha AlMarri** (DBN)

Description: Students create bilingual (Arabic-English) digital storybooks using AI tools for images, narration, and translation, focusing on creativity and UAE cultural values.

3 MathScope, A Digital Exhibition of Early Math Exploration and Innovation



Category: HCT Skills

Chief Expert: **Tasleem Kala** (ADB)

Description: Students present digital math-learning portfolios featuring playful early-childhood math activities using technology and creative learning design.



General Academic Requirements Division



GARD

1 Arabic Written and Spoken Communication Skills



Category: HCT Skills

Chief Expert: **Firas Alsamarrai** (DBA)

Description: Students produce structured Arabic writing and deliver clear, fluent spoken Modern Standard Arabic, demonstrating strong grammar, vocabulary, and audience awareness.

2 English Spoken Communication Skills



Category: HCT Skills

Chief Expert: **Helene Demirci** (ADA)

Description: Students present and speak in English with clarity, fluency, and confidence in professional and real-world communication contexts.

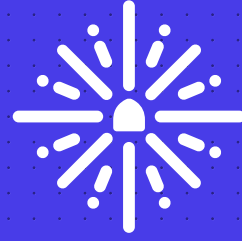
3 Maths Olympiad



Category: HCT Skills

Chief Expert: **Hisham Hanfy** (SJB)

Description: Students solve challenging mathematical problems using logic, creativity, and critical thinking to strengthen advanced problem-solving skills.



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Visit Competition Website

www.hct.ac.ae      