Project-based Learning to Develop Essential Skills
Using Digital Transformation in Beekeeping and Apiary Management

Opportunity for students to gain hands-on project and business experience, aligned with academic studies. For example, science, technology, engineering, maths/manufacturing (STEM) and space, telecoms, engineering, arts, multimedia (STEAM).

Project tasks are solving a real-world challenge. While helping students develop technical and essential skills required for employability.

Huduma®
Consulting · Collaborating · Commercialising

Addressing Two Business Challenges

STEM Skills Shortage (Youth & Adults)

Digital Transformation in Beekeeping and Apiary Management

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Essential Skills & Benchmark Assessment

LISTENING · SPEAKING · PROBLEM SOLVING · CREATIVITY
ADAPTING · PLANNING · LEADERSHIP · TEAMWORK

Technical Skills

LoRaWAN · 4G LTE · 5G · Beekeepers and End Users

Project Delivery Teams Practical Hands-on Tasks for Learning Experience

Implementation Team	Immersive Development Team	Web & Mobile Dashboard Development Team	Virtual Machines Development Team	Digital Comms & Marketing Team
• Project Support • Delivery Lead • DevOps • Data Analyst • Electronics Engineer • Data Network Engineer • Test Analyst	• Project Support • Delivery Lead • Technical Architect • 3D Modelling • Digital Twin • Unity Developer (VR,AR,MR) • Test Analyst	• Project Support • Delivery Lead • Technical Architect • Software Developer • Web App Developer • Test Analyst	• Project Support • Delivery Lead • Technical Architect • Systems Engineer • AI/ML Edge Platform • Web Server • Application Server • Database Server • Test Analyst	• Project Support • Digital Comms & Marketing Assistant • Social Media Assistant

Cybersecurity

IT Service Management