

# CERTIFICATION

This is to certify that

**Ali VURAL**

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has successfully completed  
FEDEVEL ACADEMY course

**Advanced Hardware Design**

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Date: **3 JUL 2023**

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Course tutor:

*Robert Ferane*

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**Course duration:** 10h 50min

**Software used:** Altium Designer

**Course content:** 1) Starting a new project 2) Schematic design 3) Selecting components and creating libraries 4) Footprints, 3D models, starting a new PCB 5) Variants & BOMs 6) Checking libraries and schematic 7) PCB layout & Placement 8) PCB layout & Impedances, stackup 9) Stackup, finishing PCB, length matching 10) Generating output documentation

Certificate number: 1c658a87300c9a0f2790875f5