



CERTIFICATION

This is to certify that

Jorge Miguel Da Silva Alves

has successfully completed the course

Advanced Hardware Design

Date **21 AUG 2026**

Course tutor

Robert Feranec



Robert Feranec

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