

# CERTIFICATION

This is to certify that

Ambarish Nayak

has successfully completed  
PHIL'S LAB course

Mixed-Signal Hardware Design with KiCad

Date: 13 AUG 2022

Course tutor:

Philip Salmon



**Course duration:** 5h 20min

**Software used:** KiCad V6

**Course content:** 1) System-Level Design 2) Part Selection 3) Understanding Datasheets 3) Power Supply Design 4) MCU and USB Circuitry 5) ADCs, DACs, and Analogue Circuitry 6) Symbol and Footprint Creation 7) Circuit Simulation with LTSpice 8) PCB Design, Layout, and Routing 9) Product Manufacturing

Certificate number: 136c557d67809c1587184e704