



DESIGN AND IMPLEMENTATION OF IOT-BASED AGILITY TESTER FOR SPORTS PERFORMANCE EVALUATION

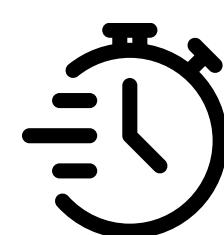
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BACKGROUND



AGILITY

Agility is one of the important skills that an athlete must possess.



MANUAL TESTER

Manual agility testing using stopwatches can introduce timing errors

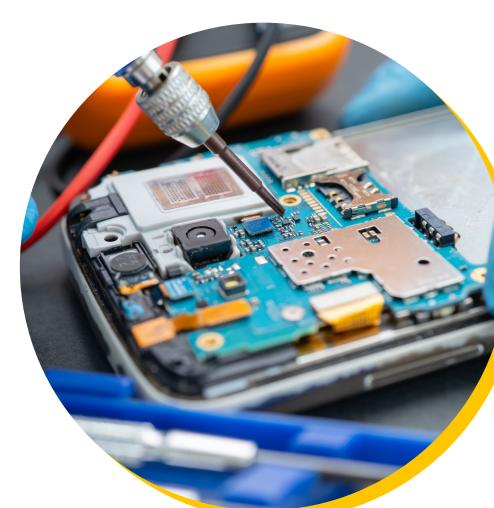


HIGH COST

Timing gate systems for agility tests remain prohibitively expensive for widespread adoption.

RESEARCH OBJECTIVE

Develop an IoT-based agility tester that precisely measures time during training and agility tests.



DESIGNING

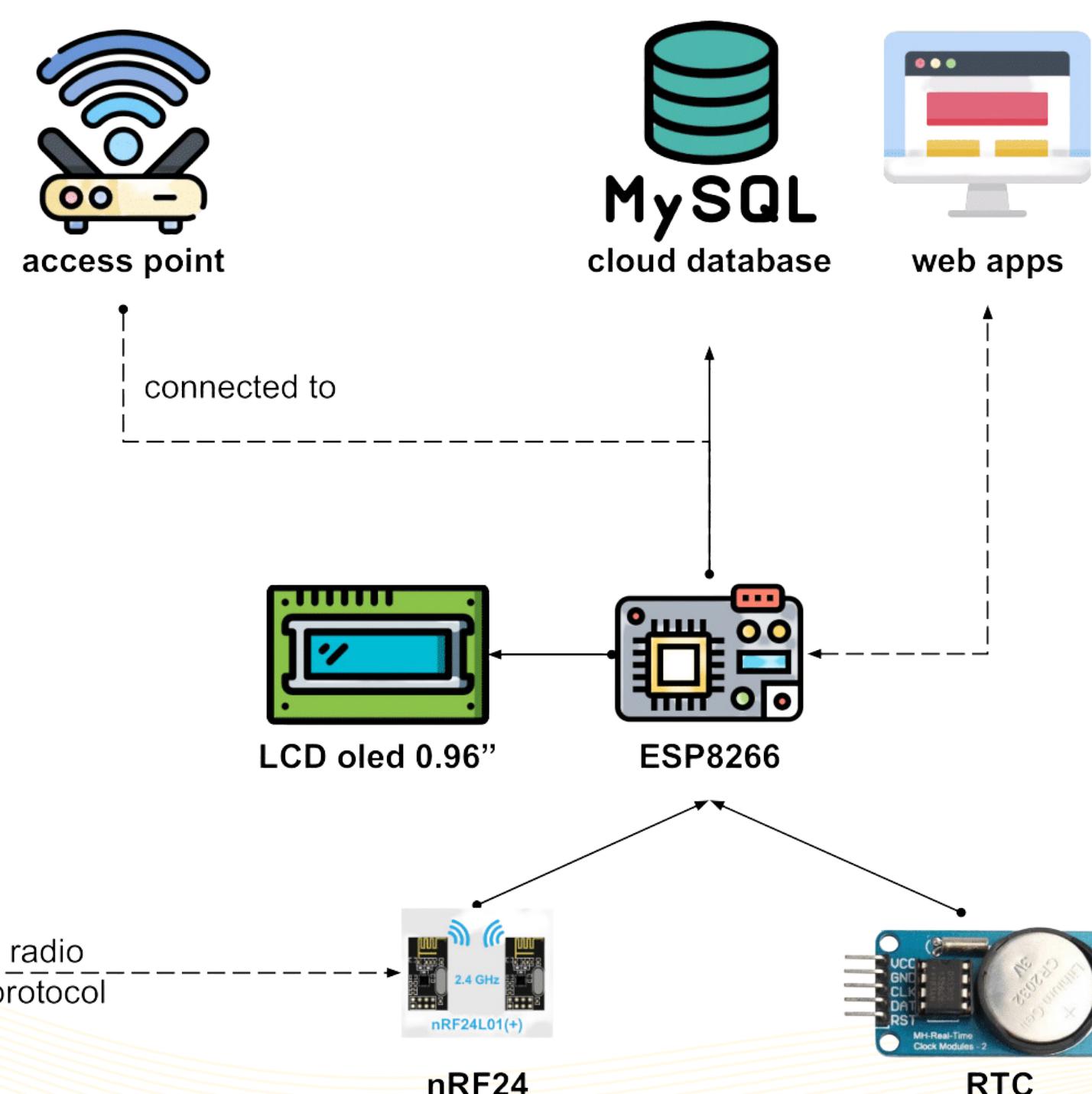
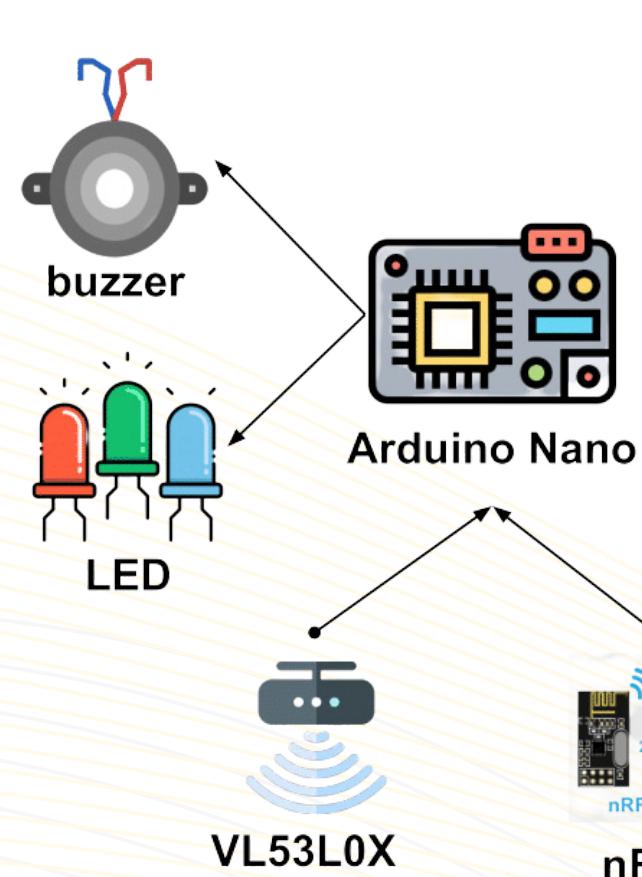


WORK
MECHANISME

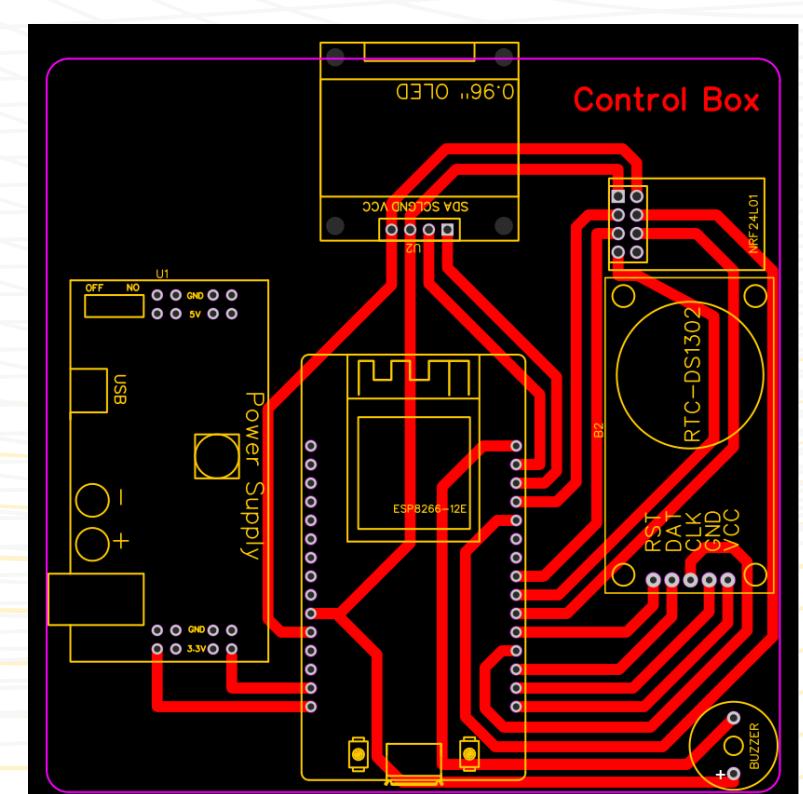
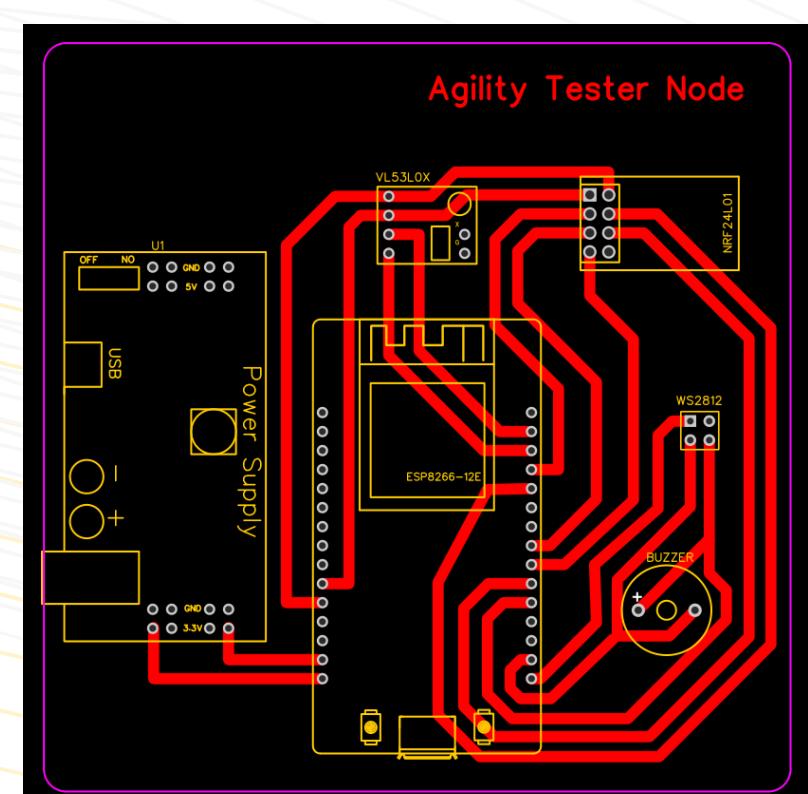
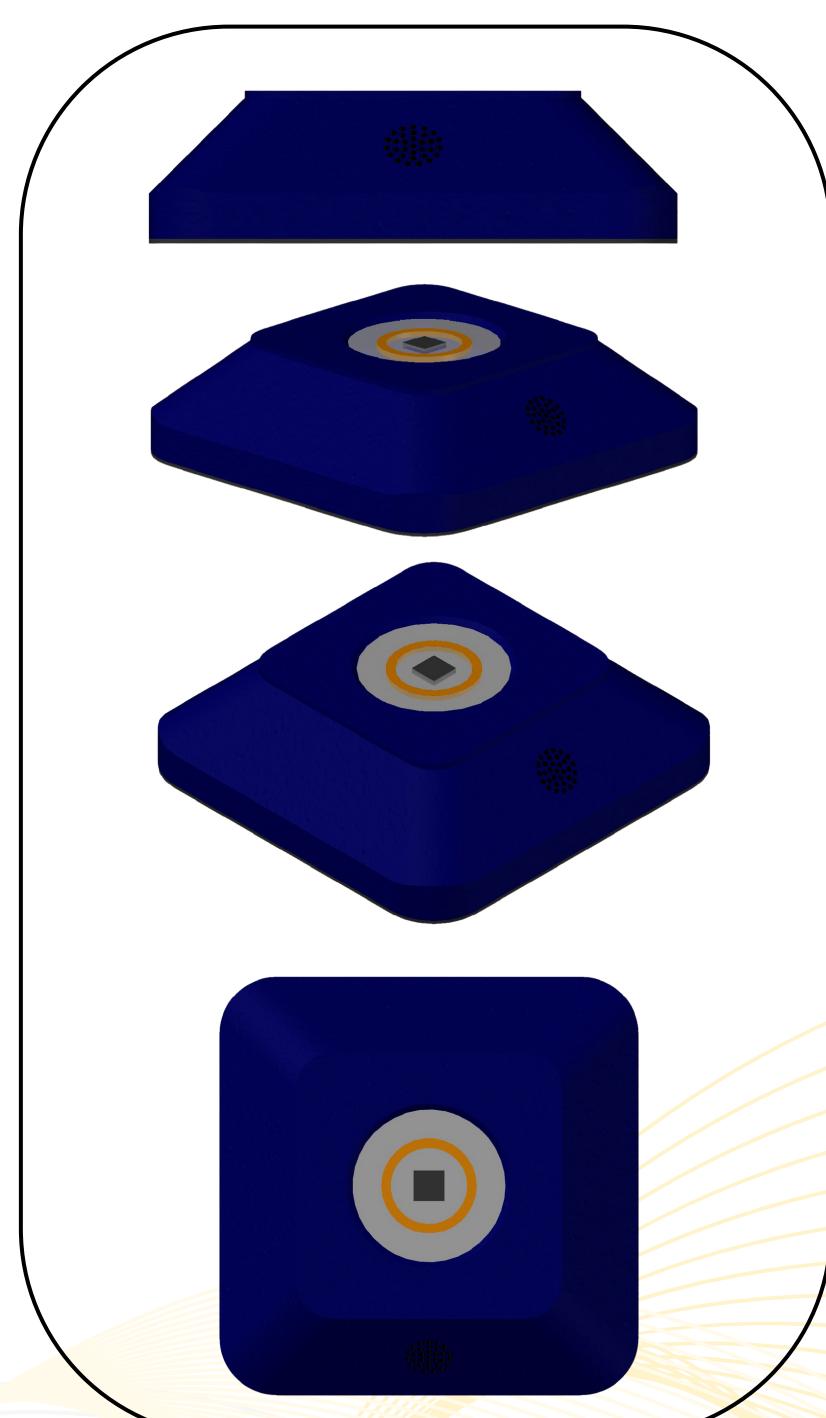


TESTING

RESEARCH METHODOLOGY



PROTOTYPE



RESULT

The IoT-Based Agility Tester is successfully developed, offering higher accuracy and lower cost compared to existing approaches.

