# REVA HACK</> 2021

Elevator Pitch

## MKay

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*Special credits to SKR, KR*

# CHAMPION within YOU

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## Overview

Our project aims to make more easy, the no-ball decision given in international world cricket more easy. We use Internet of Things, Integrated WebDev, Signal codecs to make this possible.

## Goals

1. **Primarily started with microprocessor method to detect touch**

2. **Changed touch input with customised shoe touch input**

3. **Customised signal broadcasting for output of microprocessor**

4. **Created website to output decision by third umpire**

## Working Methodology

TTP229-16 sensor series is connected to pin 2 on Arduino board, encrypted signal transmitter is connected to pin 9 on Arduino board. The program for the Arduino board is in the file 'foot-checker.ino'. Encrypted signal receiver is connected to Arduino board at third umpire location and gives output indication whenever signal received is 'LOW', which implies that when indicator is ON, the bowled ball is a no-ball. The primary Arduino board is placed at proper position from the wickets at bowling end, below the ground, then the crease is painted using crease paints.

## Specifications

Arduino UNO

TTP229-16 Touch Sensor

CSS

HTML

JAVASCRIPT

SIGNAL BROADCASTER AND RECEIVER

## Links and other Information:

- https://github.com/maahikiru/reva_hack-2021