## **Embedded Microcontroller Design Project**

## **Smart Guitar**

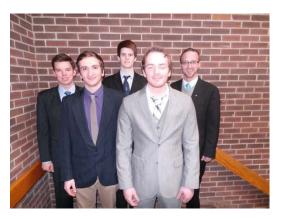
## **Mission Statement**

The goal of this team is to develop an innovative guitar for musicians using state of the art technology and smart phone capabilities. The team will create a guitar that allows the user to modulate sound using an iPhone application.

## **Synopsis**

The Smart Guitar team will produce a prototype incorporating development of an iPhone application (app) and a guitar pickup for transmitting signals. With our design, the iPhone is capable of receiving a signal from the guitar's pickup. An app on the iPhone will be capable of changing the volume, tone, or effects and then transmit the signal to an amplifier or speaker.





Chad Whitney Bryan Sobchuk Tucker Lusa Kevin Coiro Marc Cacioppo

Central CT State University Manchester CC Manchester CC Gateway CC Gateway CC