Brain Wave Sleep System Mentors: Dr. Patric Lockhart, Dr. Ahmed Zaki, Jay Melillo

 Background: Direct brain/computer interface is the near future

• Project Summary:

- Design, model, and construct a wireless transceiver
- Code software to collect, process, and visualize brain wave data from a Muse Headband or similar
- End design will monitor brain waves to determine when wearer falls into a light / deep sleep, and relay a sleep trigger signal via the wireless transceiver to dim / turn off a light switch
- 2 Students (1 EE, 1 CE)
- Deliverables: Final report & working prototype

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