

# **CSEE 5590-0002/COMP-SCI 490-0002: Web/Mobile Programming PROJECT INCREMENT 1**

**Project Title :** Decussion

**Team Members :** Mallikarjun Edara

## **Goals and Objectives :**

According to the CDC estimates, there were about 61,000 TBI-related deaths in the United States in 2019 alone[1]. That's about 166 TBI-related deaths every day. Every year TBI related deaths are compounding at a rapid pace. There were more than 223,000 TBI-related hospitalized people in 2018.

**Motivation :** Mild TBI's or Concussions are a major concern among the hospitalized people[3]. Using Web technology and Mobile application to help educate people to be more cautious of their surroundings.

**Significance:** Most of TBI related cases are indirectly or directly related to confidence[2]. Most of the regular activities which we encounter daily such as crossing road while using mobile phone in perception that no threat is going to happen. We have been inculcated in such an environment that following rules made us less cautious of our surroundings.

**Objectives :** "No threat is low threat", "less confidence, more cautious",,,helping people by raising awareness of being more cautious using these slogans. Studies have shown that quick reflex is one of the effective methods to reduce the effect of TBI's. Creating a Responsive Web Application which helps people suffering from TBI to maintain muscle Strength and body related exercises to help heal the injuries [4].

**Features :** Reminders and Daily tasks to help people to exercise and maintain physical fitness.

**GitHub Link:** [https://github.com/mallikarjun-edara/Web\\_class/tree/main/Project](https://github.com/mallikarjun-edara/Web_class/tree/main/Project)

**Work Sharing:** Self Project, working alone, No teammate needed

## **References :**

[1]. Centers for Disease Control and Prevention. National Center for Health Statistics: Mortality data on CDC WONDER. Available at: <https://wonder.cdc.gov/mcd.html>.

[2]. Daugherty J, Waltzman D, Sarmiento K, Xu L. [Traumatic brain injury-related deaths by race/ethnicity, sex, intent, and mechanism of injury — United States, 2000–2017](#). *MMWR Morb Mortal Wkly Rep*. 2019;68(46):1050-1056.

[3]. Chapital A. Traumatic brain injury: outcomes of a rural versus urban population over a 5-year period. *Hawaii Med J*. 2007 Dec;66(12):318-21.

[4]. Huang, Chiming Ph.D.; Justice, Greg M.A.; Still, Art B.A.; Gordon, Isabelle B.S.; Huang, Rosa Ph.D.; Moncure, Michael M.D. “*KNOW YOUR CONCUSSIONS: ATHLETES AND FITNESS PROFESSIONALS*”. [https://journals.lww.com/acsm-healthfitness/Fulltext/2020/07000/KNOW\\_YOUR\\_CONCUSSIONS\\_\\_ATHLETES\\_AND\\_FITNESS.9.aspx?context=LatestArticles](https://journals.lww.com/acsm-healthfitness/Fulltext/2020/07000/KNOW_YOUR_CONCUSSIONS__ATHLETES_AND_FITNESS.9.aspx?context=LatestArticles).