

## IDEATION PHASE

### BRAINSTORM & IDEA PRIORITIZATION

DATE	14.05.2023
TEAM ID	NM2023TMID14164
PROJECT TITLE	DROWSINESS DETECTION AND ALERTING SYSTEM
MAXIMUM MARKS	4 MARKS

#### **BRAINSTORM & IDEA PRIORITIZATION:**

Idea development and brainstorming process is indeed a key to gain edge over competitors. With our compact slides you don't have to wrestle much to portray significance of idea development and brainstorming process. As to help you out we have come with complete deck of PowerPoint presentation on the brainstorming process. Business professionals can download this readymade PowerPoint slide deck to motivate employees to think out of the box and develop a problem solving attitude.

One of the most common fault of the truck driver is their failure in checking blind spots, known in the trucking industries as "no zones", before turning or changing lanes. They are on the all four sides of the semi, and many accidents happen when the trucker manoeuvres into the spots without carefully checking for clearance first. They are operating a dangerous vehicle, driving the rig defensively is part of truckers' "expanded duty" to protect us. Other truck driver errors are similar to those that anyone can make, such as not paying attention to surrounding, speeding, not knowing routes, exhaustion and driving under the influence of alcohol or drug. This project involves controlling accident and saving driver's life as well as owner's problem of compensating every time even if it's the fault of the driver.

#### **Function of Drowsiness and detection and alerting System:**

The purpose of the drowsiness detection system is to

aid in the prevention of accidents passenger and commercial vehicles. The system will detect the early symptoms of drowsiness before the driver has fully lost all attentiveness and warn the driver that they are no longer capable of operating the vehicle safely.

if the drivers eyes are closed cumulatively more than a standard value, the system draws the conclusion that the driver is falling asleep, and then it will activate an alarm sound to alert the driver. A non-invasive system to localize the eyes and monitor fatigue was developed.



