NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

BATCH NUMBER	DB1
TEAM MEMBERS	S.V.N.M. Sai Rohit M. Naga Malleswara Rao B. Leela Sai Bhargav Y. Ganesh Reddy
GUIDE	Dr. K. Suresh Babu
TITLE	Driver Drowsiness Detection
DOMAIN/TECHNOLOGY	Deep Learning
BASE PAPER LINK	https://ieeexplore.ieee.org/abstract/document/9591957
DATASET LINK	http://mrl.cs.vsb.cz/eyedataset
SOFTWARE REQUIREMENTS	Browser: Any latest browser like Chrome Operating System: Windows 7 Server or later Python (COLAB) or Jupyter notebook

HARDWARE REQUIREMENTS	Processor: Intel® Dual Core 2.0GHz minimum Hard Disk: 1TB minimum RAM: 8GB or more
ABSTRACT	Driver Drowsiness is one of the significant reasons of roadways accidents these days. Hence fatigue and drowsiness detection play a major role in preventing the road accidents. Every year, because of this there is an increase in the number of deaths and injuries globally. Recently, in this decade, many images processing-based approaches were created and used to detect driver's drowsiness status. To minimize the number of accidents, we need to focus on the eye aspect ratio of drivers. The algorithm focuses on the eye closure . The driver is alarmed, if he/she is feeling sleepy.

Signature of the Guide **Signature of the project Coordinator** **Signature of the HOD**