



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

BATCH NUMBER	DB3
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GUIDE	K.V.NARASIMHA REDDY
TITLE	Calories Burnt Prediction
DOMAIN/TE CHNOLOGY	MACHINE LEARNING
BASE PAPER LINK	https://ieeexplore.ieee.org/document/9776710
DATASET LINK	https://www.kaggle.com/datasets/fmendes/fmendesdat263xdemos

HARDWARE REQUIREMENTS	Processor: Intel® Dual Core 2.0GHz minimum Hard Disk: 1TB minimum RAM: 8GB or more
ABSTRACT	<p>Regular physical activities are important to stay healthy and fit. In this project we aim to predict the calories burned using a regression models as machine learning models and try to provide the accurate results by using this models. The dataset includes variables like heart rate, duration of activity, age, gender, weight and type of exercise which helps in developing a better and accurate prediction model. Before feeding the data to the model primary steps to follow. Data preprocessing, cleaning, and analysis of the data. Also, splitting into train and test data to train the models and validate them. By using different regression models getting the best accurate prediction for the calories burned.</p>