



## **Data Collection and Preprocessing Phase**

Date	01 December 2024
Team ID	739791
Project Title	Rice Crop Monitoring-Time Series Analysis
Maximum Marks	6 Marks

## **Preprocessing Template**

The images will be preprocessed by resizing, normalizing, augmenting, denoising, adjusting contrast, detecting edges, converting color space, cropping, batch normalizing, and whitening data. These steps will enhance data quality, promote model generalization, and improve convergence during neural network training, ensuring robust and efficient performance across various computer vision tasks.

Section	Description
Data Overview	The dataset consists of data of rice crop production by various aspects, such as area, year, unit, value, flag, flag description. The data is collected from publicly available Kaggle datasets (e.g., Rice Crop Monitoring-Time Series Analysis)
Label Encoder	A tool in machine learning to convert categorical labels into numerical form.
Time Stamp	A sequence of characters representing a specific date and time. Useful for time series analysis, logging events, and tracking.
Bar plot	A graphical representation of data using rectangular bars. Used to compare different categories of data
Data Preprocessing Code Screenshots	





