

NAAN MUTHALVAN

ARTIFICIAL INTELLIGENCE

PROJECT TITLE

MEASURE ENERGY  
CONSUMPTION

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NAME : MUKESH S

DEPT : COMPUTER SCIENCE AND ENGINEERING

YEAR & SEM : III & 05

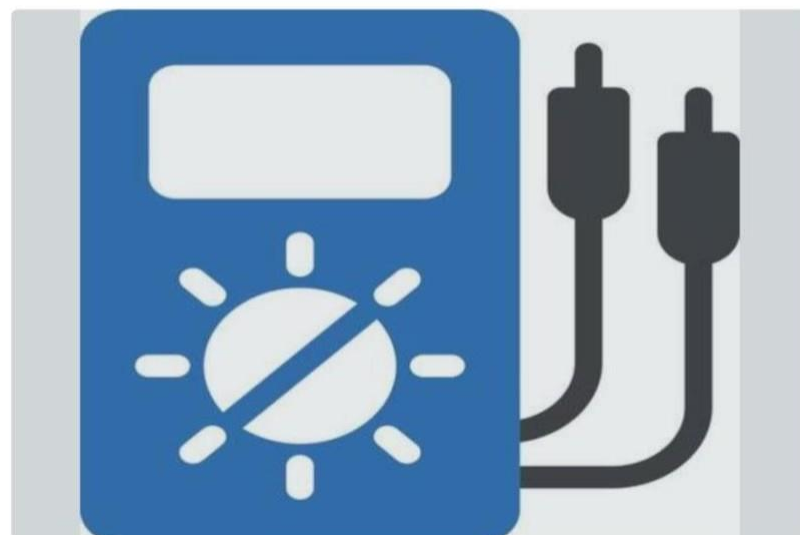
COLLEGE : PARK COLLEGE OF TECHNOLOGY

# PHASE 1

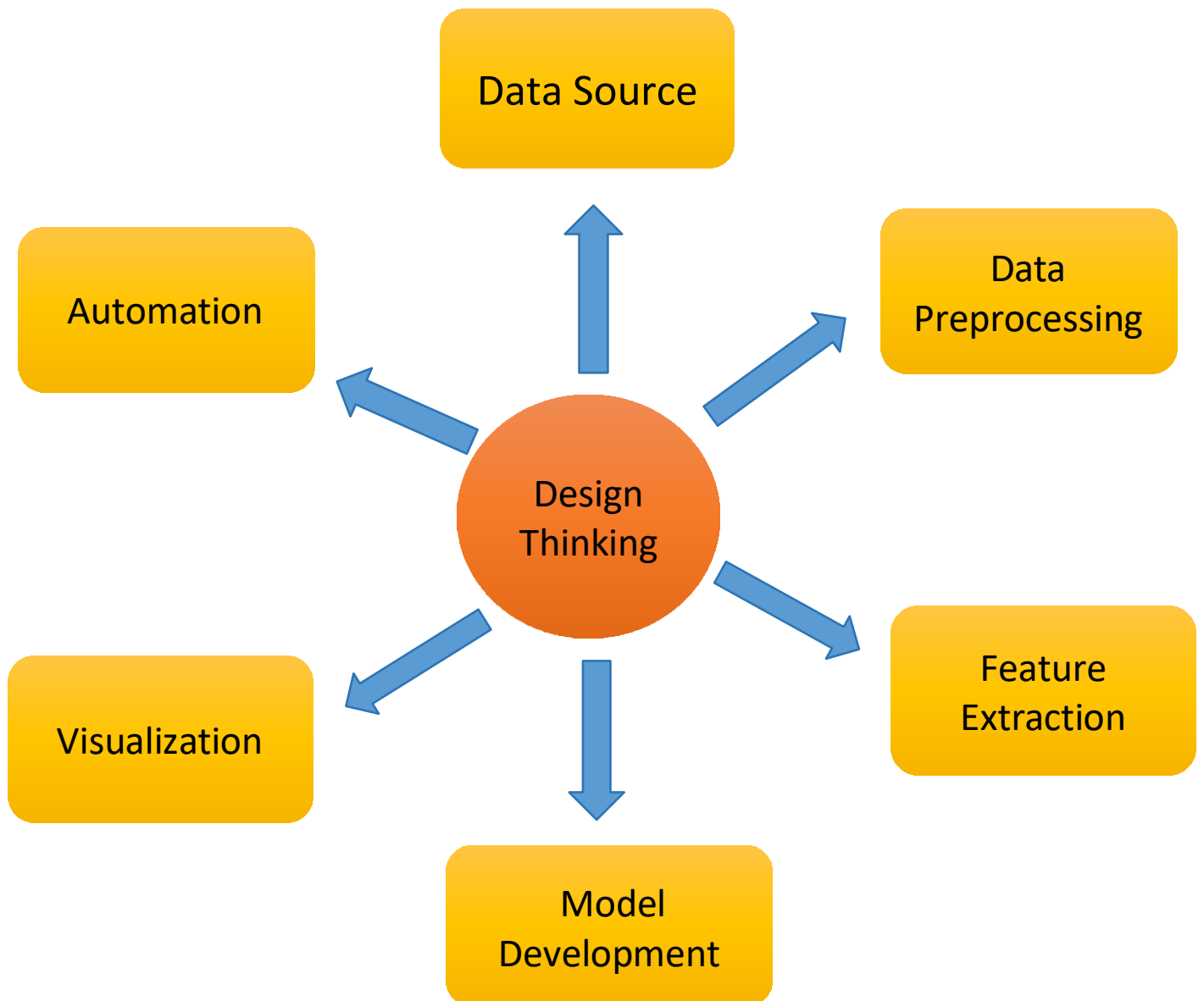
## PROBLEM DEFINITION AND DESIGN THINKING

# PROBLEM DEFINITION

The problem at hand is to create an automated system that measures energy consumption, analysis the data, and provides visualizations for informed decision making. This solution aims to enhance efficiency, accuracy, and ease of understanding in managing energy consumption across various sectors.



# DESIGN THINKING



# Data Source

Identify an available dataset containing energy consumption measurements.

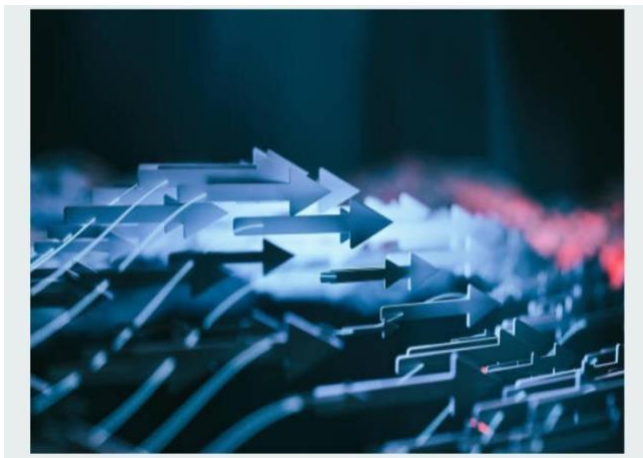


# Data Preprocessing

Clean,transform and prepare the dataset for analysis.



Clean



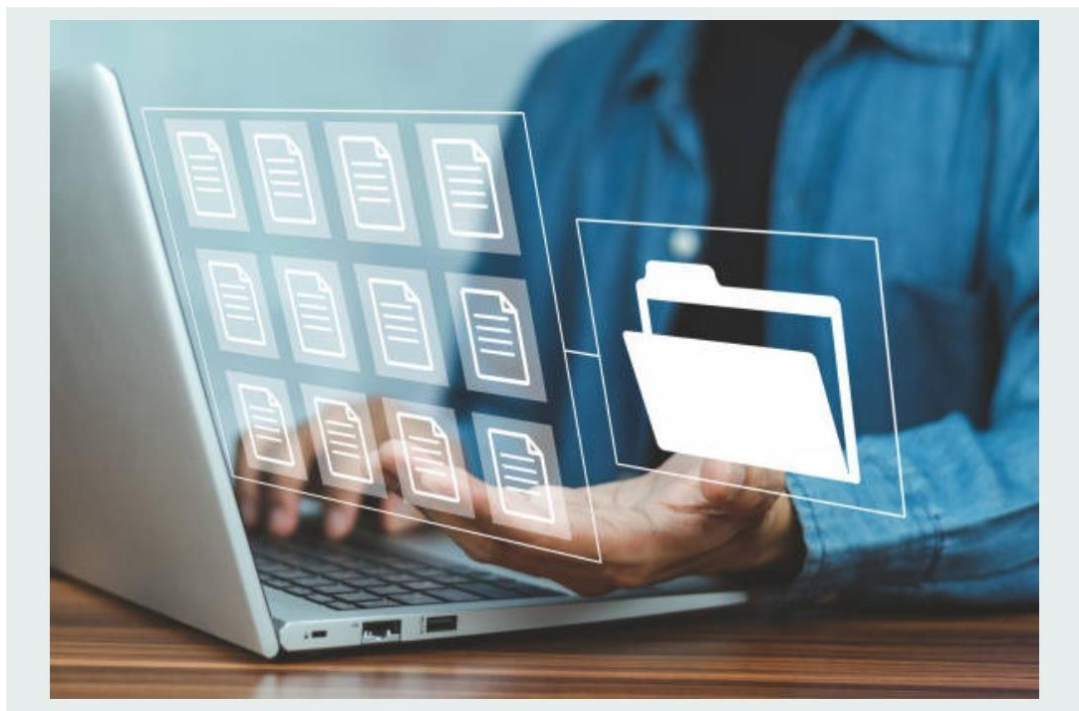
Transform

Analysis

Feature Extraction



Extract relevant features and metrics from the energy consumption data.

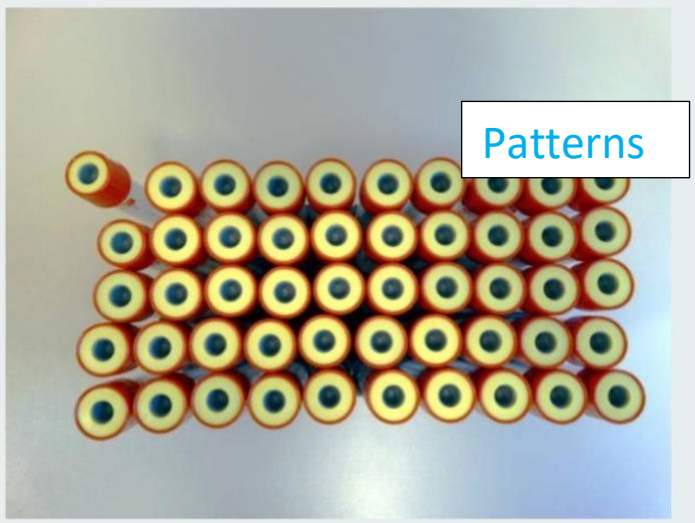


# Model Development

Utilize statistical analysis to uncover trends, patterns and anomalies in the data.



sis

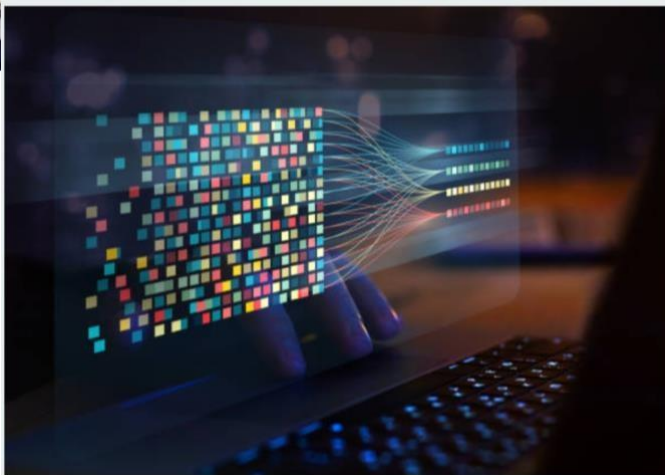


Patterns



# Visualization

Develop visualization (graphs, charts) to present the energy consumption trends and insights.



## Visual Insights



# Automation

Build a script that automates data collection, analysis and visualization processes.

