### PROJECT

# **GUIDELINE**

### PROJECT: TOUR PRICE PREDICTION

#### MARCHH ---

### 1. CHOOSE THE TOPIC 2. DATA COLLECTION

- DETERMINE THE DATA NEEDED TO ADDRESS THE PROBLEM OR ACHIEVE THE PROJECT'S GOALS.
- START SCRAP DATA FROM MANY WESITES RELATE TO TOUR

——APRIL

#### DATA PREPROCESSING

- EXPLORE: UNDERSTAND DATA STRUCTURE, QUALITY.
- HANDLE: ADDRESS MISSING, INCONSISTENT DATA.
- TRANSFORM: PERFORM FEATURE ENGINEERING, DATA MANIPULATION.
- CLEAN: REMOVE OUTLIERS, ENSURE CONSISTENCY.

IUNE ---

#### DATA VISUALIZATION

- VISUALIZE: UNDERSTAND DATA PATTERNS VISUALLY.
- EXPLORE: ANALYZE VARIABLE RELATIONSHIPS VISUALLY.
- IDENTIFY: DETECT TRENDS THROUGH VISUALIZATIONS.
- DISTRIBUTE: VISUALIZE DATA DISTRIBUTIONS ACCURATELY.
- SUMMARIZE: EXTRACT INSIGHTS USING DATA VISUALIZATIONS.

## PROJECT

## **GUIDELINE**

JULY 1-7-

#### DATA MODELING

- SELECT: CHOOSE SUITABLE ML ALGORITHMS/MODELS.
- SPLIT: DIVIDE DATA FOR EVALUATION.
- TRAIN: MODEL TRAINING ON TRAINING DATA

— JULY 8– 14

- ASSESS: MEASURE PERFORMANCE USING METRICS.
- OPTIMIZE: FINE-TUNE AND COMPARE MODELS.
- INTERPRET: GAIN INSIGHTS FROM MODEL RESULTS. MODEL DEPLOYMENT:
- DEPLOY: IMPLEMENT MODEL IN PRODUCTION.
- INTEGRATE: SET UP INFRASTRUCTURE AND INTEGRATION.

JULY 15 \_\_\_\_\_\_

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- 1. SUMMARIZE: BRIEFLY PRESENT EXPECTED OUTCOMES
- OUTLINE: PROJECT MILESTONES AND TIMELINE.
- 3. LIMITATIONS AND CHALLENGES: ADDRESS: OVERCOME PROJECT LIMITATIONS.