



# **TS-WEB TRACK CAPSTONE PROJECT**

## **WEATHER FORECASTING**

PRESENTED BY:

- 1.Teneti jahnavi-AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
  2. Talla Ruthu -AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
  - 3.Anjali devi-AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
- (HYDERABAD)

# OUTLINE

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- SYSTEM DEVELOPMENT APPROACH(TECHNOLOGY USED)
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# ABSTRACT

- A weather app is a web based application that displays weather information for a specific location.
- This project is built using HTML and CSS and is designed to be simple and easy.
- This application uses an API to fetch the weather information and displays it in a user-friendly interface.

# PROBLEM STATEMENT

Design and implement a user friendly interface that allows users to input a location and see the current weather conditions for that location using HTML and CSS.

# PROPOSED SYSTEM

- Proposed system uses an API to fetch the data about weather using weather data providers such as Accuweather.
- This web application has to use a user interface that allows user to enter their input location from predefined list and check weather forecast.

# SYSTEM REQUIREMENTS

(SOFTWARE AND  
HARDWARE  
REQUIREMENTS)

Platform	Platform Independent
The Operating System	Windows 7
Framework	Bootstrap
Front-End Tool	Google Chrome
API	OpenWeatherMap

Processor	Intel Pentium IV 2.9 GHz Other
RAM	Minimum 4 GB
Graphics	Integrated graphics card
Hard Disk	Minimum 500 GB

# TECHNOLOGIES USED:

HTML AND CSS ARE PRIMARILY USED FOR  
CREATING THE USER INTERFACE AND LAYOUT OF A  
WEB APPLICATION.

HTML5

CSS3

Bootstrap

APIs

Javascript

Server side technologies

# ALGORITHMS

We can use various algorithms for weather app. Some of the algorithms are

- Retrieval algorithm
- Data processing algorithm
- Forecasting algorithm
- User interface algorithm



# Welcome to Weather App

Lets find the Weather Today!!

Nalgonda ▼

Check

**Temparature: 300.38F**

**Humidity: 75**

**Place: Nalgonda**



# ADVANTAGES

- Accessibility
- Cross platform compatibility
- Easy to learn and use
- Fast development
- Flexibility

# CONCLUSION

- Now-a-days there is a big need of different applications. People want application for every specific task from work to entertainment.
- We have developed the application “Weather WebApp” which works easy on any given web browser.
- **This** application has been tested and found to be working as per the given criteria.
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- It can be safely concluded that the application possesses a highly efficient UI system and is working properly and meeting to all the requirements of the user.
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Thank  
You!