

NALAIYA THIRAN

WEEK 4 REPORT

Phase 2 Description: Ideation Phase (Literature Survey, Empathize, Defining Problem Statement, Ideation)

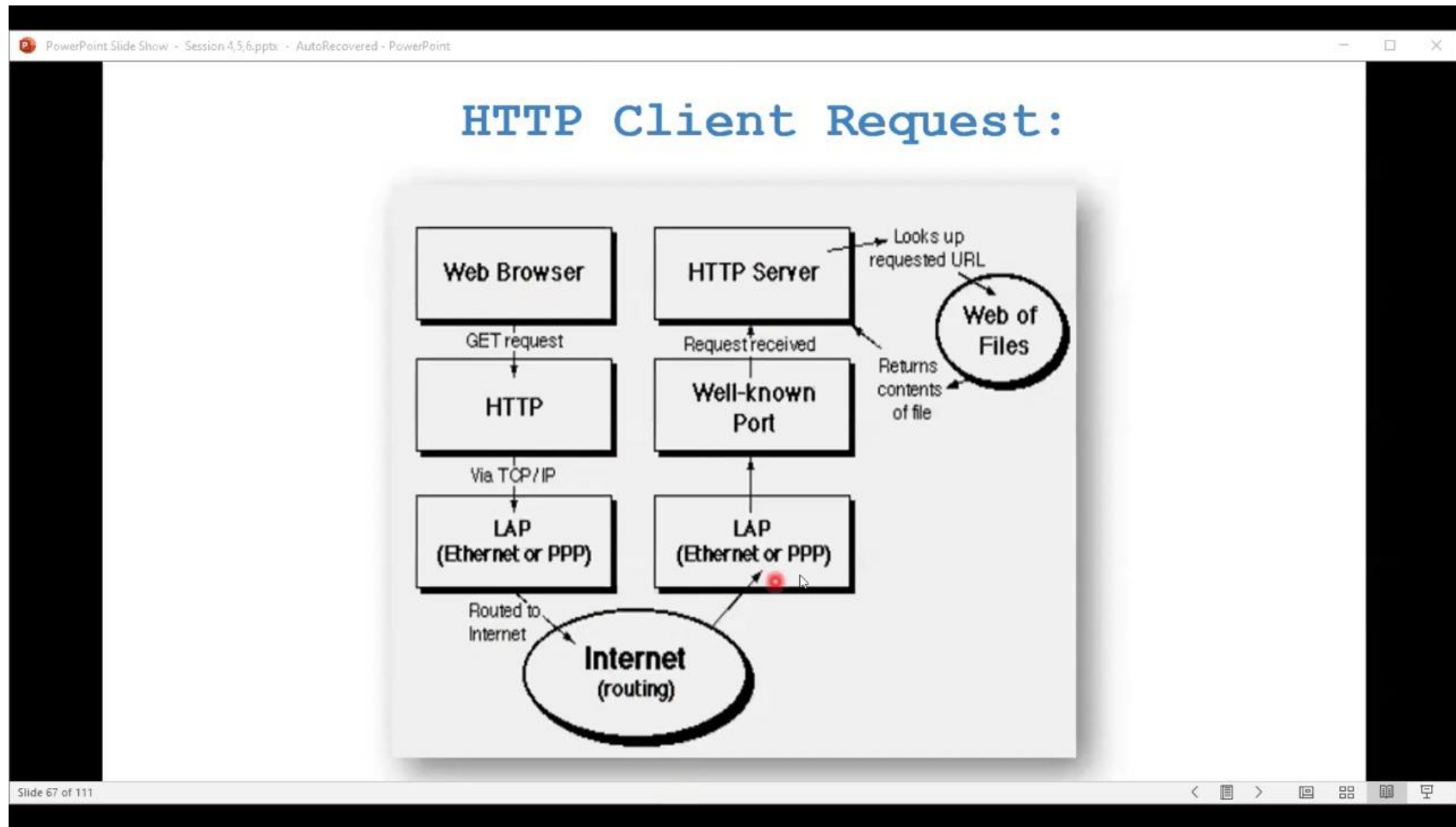
2.5 List the ideas (atleast 4 per each team member) by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance

BRAINSTORMING

The collage consists of 12 individual images, each showing a different template for brainstorming and idea prioritization. The templates are arranged in a 3x4 grid. The first row shows a 'Brainstorm & Idea Prioritization' template with a lightbulb icon and a 'Define your problem statement' template with a question mark icon. The second row shows a 'Prioritization' template with a funnel icon, a 'Mind Map' template with a central node and branches, and a 'Decision Matrix' template with a grid of criteria and options. The third row shows a 'Flowchart' template with a series of connected boxes, a 'Mind Map' template with a central node and branches, and a 'Decision Matrix' template with a grid of criteria and options. The templates are designed to help users generate ideas, evaluate them, and make decisions. The images are presented in a way that shows the templates in use, with various icons, text, and diagrams.

2.6 Attended the technology trainings as per the training calendar

IoT -B3-3M5E (Evening Session) - Day 5 (16.09.2022)



Members x https://api.openweathermap.org x https://api.openweathermap.org x W New ESP32 Project - Wokwi Sim x +

wokwi.com/projects/new/esp32

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sketch.ino diagram.json Library Manager

```
1 #include <WiFi.h>
2
3 const char* host = "api.openweathermap.org";
4
5 //http://api.openweathermap.org/data/2.5/weather?q=Porto,PT&APPID=bb3bbf44669b2a4d7a0d02794894ebda
6 void setup() {
7   Serial.begin(9600);
8   Serial.print("Connecting to WiFi");
9   WiFi.begin("Wokwi-GUEST", "", 6);
10  while (WiFi.status() != WL_CONNECTED) {
11    delay(100);
12    Serial.print(".");
13  }
14  Serial.println(" Connected!");
15 }
16
17 int value = 0;
18
19 void loop()
20 {
21   delay(5000);
22   ++value;
23
24   Serial.print("connecting to ");
25   Serial.println(host);
26
27   // Use WiFiClient class to create TCP connections
28   WiFiClient client;
29   const int httpPort = 80;
30   if (!client.connect(host, httpPort)) {
31     Serial.println("connection failed");
32     return;
33   }
34
35   // We now create a URI for the request
36   String url = "/data/2.5/weather?q=Porto,PT&APPID=bb3bbf44669b2a4d7a0d02794894ebda";
37
38   Serial.print("Requesting URL: ");
39   Serial.println(url);
40
41
42   // This will send the request to the server
43   client.print(String("GET ") + url + " HTTP/1.1\r\n" +
44     "Host: " + host + "\r\n" +
```

Simulation

▶ + ⋮

A detailed image of an ESP32 development board, showing the microcontroller chip, various pins, and components like a USB-C port and a micro-USB port.

