

## Lab 1 BITS 3533 Wireless Network and Mobile Computing Sem 1 2022/2023

### Learning Outcome

At the end of this lab session, students are able to

- Analyze wireless coverage using wireless network analyzer software
- Elaborate the visualized wireless coverage

### Instruction

- Work individually.
- Download and install Ekahau Heat Mapper (free).  
<https://ekahau-heatmapper.en.softonic.com/>
- Sketch a room floor map ( your room/ home ect).
- Map the floor map with WiFi signal strength using Ekahau.
- Based on visualized WiFi coverage, answer the following questions, and submit in word file.
  1. List down existing AP and its standard
  2. Screenshot WiFi signal strength map.
  3. Elaborate the WiFi signal strength mapping.
  4. List down all references, links, video links that you have used for this lab.