

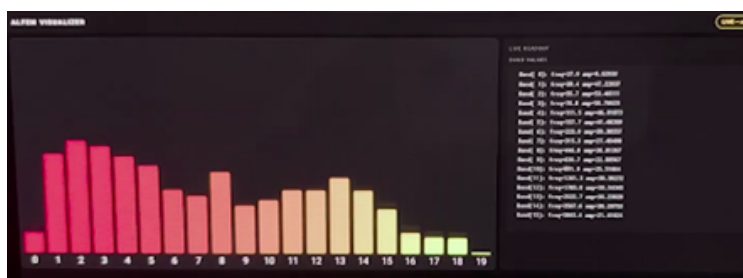
ALFEM- Audio Level & Frequency Extraction Module

Description

- Analyzes audio and extracts key frequency & amplitude information
- Enhances user experience by dynamic audio visualization & ambient lighting control

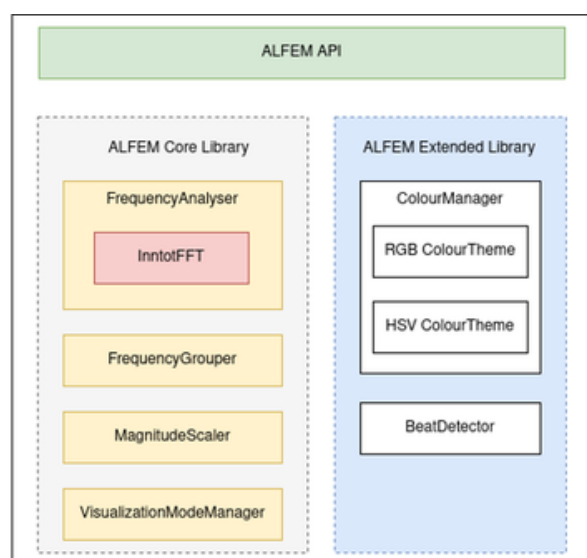
Applications

- HMI: Dynamic audio visualisation
- Enhanced User Experience: Interior & Exterior Lighting control based on audio



Features

- Spectral Analysis (Frequency & Magnitude)
- Visualization Modes (Normal, Party, Calm)
- Colour Theme Customization (RGB and HSV)
- Rhythmic Analysis (Integrated beat detection)



Android based system view

