% Define LoRa Parameters

sf = 7; % Spreading Factor (7-12)

bw = 125e3; % Bandwidth (Hz)

cr = 4/5; % Coding Rate

% Generate random sensor data

data = randi([0, 255], 1, 10); % 10 random sensor values

% LoRa Modulation

modulatedSignal = loraModulate(data, sf, bw, cr);

% Display modulated signal

disp("LoRa Modulated Signal: ");

disp(modulatedSignal);