% Simulate Transmission from Smart Bin to Gateway

binData = [binLevel; alerts]; % Combine fill levels & alerts

disp("Data Sent to Gateway: ");

disp(binData);

% Simulate Network Server Processing

for i = 1:length(binLevel)

if alerts(i)

fprintf("🚨 Alert: Bin %d is Full! Maintenance Required.\n", i);

else

fprintf("✅ Bin %d is OK.\n", i);

end

end