```matlab
function plot_speed(time, theta_dot)

% Plot speed (l*theta_dot) vs time
L_B = 0.5; % meters
velocity = L_B * theta_dot;

line_width = 1.5;
figure(1)
plot(time, velocity,'Linewidth',line_width);
xlabel('Time(sec)');
ylabel('Velocity (m/s)');


return
```

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