Code

```
def reward_function(params) :
reward = 1e-3
track_width = params['track_width']
distance_from_center = params['distance_from_center']
steering = params['steering_angle']
speed = params['speed']
all_wheels_on_track = params['all_wheels_on_track']
if distance_from_center >= 0.0 and distance_from_center <= 0.03:
 reward = 1.0
if not all_wheels_on_track:
 reward = reward - 1
else:
 reward = reward + (params['progress'])
if speed < 2.68 :
 reward *= 0.80
elif speed >= 2.68 and speed <= 5.33:
 reward += speed
else:
 reward = speed * speed + reward
return float(reward)
```