

Identify and analyze a device that is an IoT device now, but in the past was a non-IoT device. Compare the functions of the device in the past to the functions of the device now. Enumerate any improvements or any diminishments if they exist

	Old device	IoT device
Device name	Bike	Connected bike (Have a processing unit embedded in the bike)
Function	<ul style="list-style-type: none"> • Biking and moving people, goods. 	<ul style="list-style-type: none"> • Biking and moving people, goods. • Connected to a mobile application for tracking location. • Keep track of route history like distance, speed... • Alerts on unexpected usage.
Improvement		<ul style="list-style-type: none"> • Avoiding bike thieves. • Easy to find direction when riding (connect to the phone) • Keep track of the route for efficiency.
Diminishment		<ul style="list-style-type: none"> • Size of the bike can be bigger for installing the processing unit and power supply. • Security risks when the phone is hacked
Privacy issue		<ul style="list-style-type: none"> • The manufacturer can keep the data of the owner and locate where they are and how frequent that they bike then sell it to the bike accessories company.. • Bike tracking data can show where the owner's home, work....