

Assignment III

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Identify the two ROS based autonomous Robots apart from the Turtlebot family and write about it.

Volta

Volta is one of the many ground robots which is very useful for learning robotics or even development of process. With all round learning VOLTA allows to skip the need of any other robot. It allows you to learn basics of ROS to development of prototypes and Proof of Concept projects as well. As the VOLTA is cheap it becomes very cost effective to get hands on experience with the hardware and software integration. With a flexible selection of components, you can add or remove various PC, sensors or even mechanical structure. With requirement you can upgrade the onboard computers making it a great robot for entry level or advanced level engineer.

RB Kairos

Ability to move and have attached e-arm makes RBKairos + a great industrial ready to work robot, with a platform integration ready with the arm, both the software and hardware make this device boundless to application especially in industries like with movable arms. As the platform is movable the robot's workspace can be very large, with its optional laser scanner it can detect making the environment safer. With ability to be added with sensors the robot can be made into fully autonomous with a wide variety of sensors.