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Human Following Robot

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Abstract: Humanoid robotics is an emerging research field that received significant attention in the last few years and remains to be one of the key contributors in robotics research and numerous applications in the 21st century and beyond. In this fast-paced world, a robot like "A Human Following Robot" is needed that can share space and interact with them. Due to its human following potential, These robots can work as assistants for humans in various situations, and it can also acquire or monitor some kind of information associated with the human subject. In this paper, we present a prototype that uses Arduino Uno along with some basic sensors such as an ultrasonic and an IR sensor. All the processing is carried out. It is done by the microprocessor whereas the control of the motors is done by the controller. This robot can be further modified by using many technologies such as Bluetooth, PixyCamera etc..

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