

Design and Fabrication of Talking Robot

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Abstract: *To make a robot talk we can go through two methods Speech Synthesis and Pre-recorded audio. Among them option a doesn't perform understandably well with Arduino. So, we are going for method Pre-recorded audio. Now we are creating a mini talking robot design and fabrication work. In future we would like create some more innovative ideas in it. For that our first millstone is this talking robot. Not only are robots able to work with better accuracy, which reduces the amount of time and materials wasted, they can also work faster (and longer) than humans can. For many companies may would like to use talking robot. So that we are conduct to proceed this robot with less manufacturing cost and use many advance inventions in it. As the technology is growing immensely in recent years, certain improvisations need to be made. So, we are decided to make an artificial intelligence voice assistant taking robot. Speech technologies now days available on mobile devices show an increased performance both in terms of the language that they're able to capture and in terms of reliability. The availability of performant speech recognition engines suggests the deployment of vocal inter-faces also in consumer robots. In this paper, we report on our current work, by specifically focusing on the difficulties that arise in grounding the user's utterances in the environment where the robot is operating.*

Keywords: Robot

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