

DHWANI-The voice controlled bot.

It is a bot which receives signals using voice commands .It processes the incoming signals then publishes them on motors or any other electrical components.For eg.:Giving a command "Forward 10" will make it move forward by 10 meters.

- ❖ **Week 1**(5th May -11th May):1.)Learn to work with Arduino.
2.)Learn voice processing and noise removal.
 - ❖ **Week 2**(12th May -18th May):1.)Visit Lammington to bring the components required..
2.)Make the SollidWorks Design.
3.)Complete the mechanical work.
4.)Start coding the bot.
 - ❖ **Week 3**(19th May -25th May):1.)Complete coding.
2.)Start **DEBUGGING**.
 - ❖ **Week 4**(26th May -1st June):1.)Completing the Electrical board.
 - ❖ **Week 5**(2nd June -8th June):1.)Make additional features available.
2.)Make it available for submission.
3.)Do the documentation.
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COMPONENTS REQUIRED:

- 4 DC motors.
 - Sensors.
 - Arduino Atmega 328
 - Lead Acid battery
 - Ic's - L293D , 7805.
 - ELelectronics : Wires , PCB , Heat Sink etc..
 - Mechanical Parts : L-clamp , Chasis , Wood , Cutting materials , Screw drivers etc.
 - Misc : Gums , DST , Tapes etc
 - Extra components related to processing may be added later.
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What we expect to learn after the project

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- Voice Processing
 - Arduino coding.
 - SolidWorks.
 - Working in a team.
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