

BRAILLE CONVERTER

INTRODUCTION:

There are so many books in this world, so many libraries but hardly any of them has any facility for blind people. so what we plan to do is to make a device which will convert a book in braille language and display it just like an ebook.

WORKING:

The device will scan a reading material and then parse it into the braille format. The output will be like the interface mechanism shown in this video

https://youtu.be/lvtfD_rJ2hE but the application shown in this video are superfluous for an braille interface, the video was only to convey the idea.

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<https://www.youtube.com/watch?v=CoM9xwke0zl&list=PLwPwXrolbN43QYBgf33FGeOGYzKsmiWe-&index=14>>Braille display, our project may look like this.

MATERIAL REQUIRED AND ESTIMATED COST:

Arduino mega board	-----	1100
Camera	-----	800
connectors	-----	250
stepper motors - 5pc	-----	2000
solenoids - 30	-----	2000
aluminium wires	-----	200

TOTAL ESTIMATED COST ----- Rs-7000-8000

IMPLEMENTATION :

Week 1

To learn Image processing, arduino programming and to figure out the mechanism of actuator.

Week 2

To initiate the mechanical work.

Week 3

To initiate coding and image processing stuff.

Week 4

To fix error if any.

TEAM:

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