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Review Paper on Smart Note Taker

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Abstract— This technology is such a helpful product that satisfies the needs of people who want to take fast notes. This SMART NOTE TAKER reducing the work and taking fast notes.

In this modern technology people are busy their own work, this technology provides facility to writing notes in air, in the memory chip of pen the written notes are stored, it will able to read in digital medium. Apart from this, this technology also useful for blinds people that think and write easily. Another place where this product can play important role is between two people who apart from each other, while they talk and they may want to use figure or text to understand themselves. This technology sense 3D shape as well as motions that draws by the users. Its most useful specially for instructor in presentations.

Keywords-Memory Chip, Digital Medium, Broadcast Networks, 3D shape.

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I.   INTRODUCTION

The smart note taker is such a helpful product that satisfies the needs of the people in today's technology and fast life. The smart note taker is good for blind people who can't see but can think and write freely. In this technology people are busy their own work, this technology provides facility to writing notes in air, in the memory chip of pen the written notes are stored, it will able to read in digital medium.

This technology can be used in many ways, this will save people time and facilities life. It will also very useful especially for instructor in presentation. If the instructor don't want to present the lecture in front of the board, the drawn figure can be processed and then directly sent to the server computer in the respective room, and then server computer can broadcast ,the draw shape through network to all the computer which are present in the room. Thus the lecture are aimed to be more efficient and productive.

This technology will able to sense 3D shape as well as motions that user tries to draw, this drawn shape then can be broadcasted to the network as well as sent to mobile device.

A. Features of Smart Note Taker

- This product converted written notes into editable form.
- This technology is good and helpful for blinds that think and write freely.
- This product can play an important role between two people who apart from each other while they talking andthey may want to use figures or texts to understand themselves better.
- It have expendable memory chip is used.
- It is useful for instructors in presentation.
- It can be recognize up to 22 Languages.

II.   SYSTEM ANALYSIS

A. Architecture

The applications of drawings and strings can be put altogether in a single java applet program due to the reason that it supports these applications.

B. Technical definition of the product

In this product, we required operating system like (window or Linux).So that it implement software part of program to convert data into text or string format.
Displacement sensor is use for recognizing the displacement of the pen in 3D,it required parallel cable to communicate with computer, analog to digital converter use to processing analog date convert into the digital format , switch is used to control pen and rechargeable battery.

C. Treats In The Market

The prices of 2D and 3D smart note takers is about nearer to the 50 to 90 dollars. 3D smart note taker are more high rate than 2D , because it has some more special feature than 2D smart note taker.

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D. Consumer profile and purchase power

As compare to other products smart note taker is inconsistent, this product has some good characteristics rather than other. Hence smart note taker play important role in market system due to its allurement. Educational work and school are the pre-existent in market.

In today's busy life everyone want to be more successful by getting the faster and easier information. It is very time taking to take lectures on board and also for the student to take it down. So it will best solution by transferring data to software directly. Generally this product attracted to teachers and students.

E. Recent products

- Smart pen
- Mobile note taker
- Pc note taker
- Smart Quill

III.   LUSTRATIONS OR PICTURES

IV.   ADVANTAGES

- Notes can be written any on the surface.
- This product is reliable and powerful.
- Play important role where two people talk on phone.
- It good and helpful for blinds people.
- Light weighted and easily portable.
- Use along with the paint and java.
- It has wireless connection.

V.   DISADVANTAGES

- Cost is high.
- Only rich people can afford this type of smartnote takers.
- There is no possibility of storing the template and format other than the word document and graphic file.

VI.   APPLICATIONS

- It writes a letter or take note. It can convert our handwriting into text.
- Anyone can input there signature on any document.
- It can mark as well as highlight a document for changes in any application. On photographs handwritten captions can be added.
- It is used for instructors in presentations.

VII.   FUTURE SCOPE

In the current market there are many similar product that can convert handwritten documents into digital type documents. In these product optical sensor are widely used to perceive the motion. The price of smart note taker is high but it definitely will eliminated in future.

VIII.   CONCLUSION

The system will help to improve the people writing notes problem on papers, it will take fast notes and save time . This technology write note on air surface. Beside this, it can also be used like all other classical pen. Thus it can be concluded that the smart note taker device it can be store that visual recordings and it can be use widely.

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