

A person is seen from the side, sitting at a desk and working on a laptop. The desk is cluttered with a vase of white flowers, a small potted plant, and a pen holder. The background is slightly blurred, showing a room with a window and some furniture. The overall lighting is dim, creating a focused and professional atmosphere.

AN APP FOR

SPEECHLESS

IDEATHON 3.0
SJCE, JSSSTU



SPEECHLESS APP

AN TECHNOLOGY FOR SPECIALLY ABLED

PRITHVIRAJ B

1ST YEAR

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Add your description here. Lorem ipsum dolor sit amet.



INTRODUCTION

Today's world when science and technology has penetrated into every sphere of life, how can lives of specially-abled persons remain untouched? Severity of many of the impairments mentioned above can be reduced by technology. Innovations in technology can help specially-abled person to lead an independent and near normal life. Science may have done wonders and tons of gadgets and applications may be available for specially-abled people but we are still lacking and there is still lot of scope in this area. IF SCIENCE AND TECHNOLOGY CANNOT PROVIDE RELIEF TO THE SPECIALLY-ABLED PEOPLE THEN IT IS OF LITTLE USE.

ABSTRACT

SPEECHLESS APP IS AN SOFTWARE WHICH HELPS IN COMMUNICATING WITH OTHERS , WHEN OTHER PERSON SPEAKS , WHAT HE SAYS IS CONVERTED TO TEXT USING DICTATION TECHNOLOGY LIKE IN GOOGLE ASSISTANT, SIRI IN APPLE DEVICES ETC. IT THEN PROCESSES THE DATA AND PROVIDES INFORMATION ABOUT THE GIVEN INPUT KEYWORD AND ALSO SUGGESTS FEW REPLIES LIKE IN WHATSAPP AND MESSAGES SO THE USER CAN REPLY TO OTHER PERSON AS QUICKLY AS POSSIBLE AND THEN READ OUT THE REPLY SELECTED BY THE SPECIALLY DISABLED PERSON USING READ LOUD TECHNOLOGY





MOTIVATION

When a plant doesn't grow, you fix the environment it's subjected to, not the plant.

A UNCLE LIVES IN MY NEIGHBOUR IS AGED AROUND 55 YEARS , HE WAS ABLED TO SPEAK AND WAS A GOOD NEIGHBOUR BUT 6 MONTHS AGO HE WAS DIAGONIZED WITH THROAT CANCER AND LAST MONTH HE UNDER WENT SURGERY WHICH RESULTED IN LOSS OF HIS ABILITY TO SPEAK . NOW HE FINDS VERY DIFFICULT TO COMMUNICATE WITH OTHERS AND ALSO VERY DEPRESSED AS HE CANNOT EXPRESS LIKE BEFORE . HIS VOCAL IMPLANT COSTS AROUND 35K AND CAN ONLY SPEAK A SINGLE WORD AND NEED TO REPLACE IT EVERY SIX MONTHS. AND EVEN IN SJCE WE ALSO SEE SO MANY OF THEM WHO NEED OF HELP.

METHODOLGY

SPEECHLESS APP



STEP PROCESS



1. Step One

MIC IS ON WHEN
THE OTHER PERSON
STARTS TO
COMMUNICATE
WITH SPECIALLY
DISABLED PERSON



2. Step Two

THE DICTATION
TECHNOLOGY
CONVERTS VOICE
INTO TEXT AND
DISPLAYS IN THE USER
PHONE



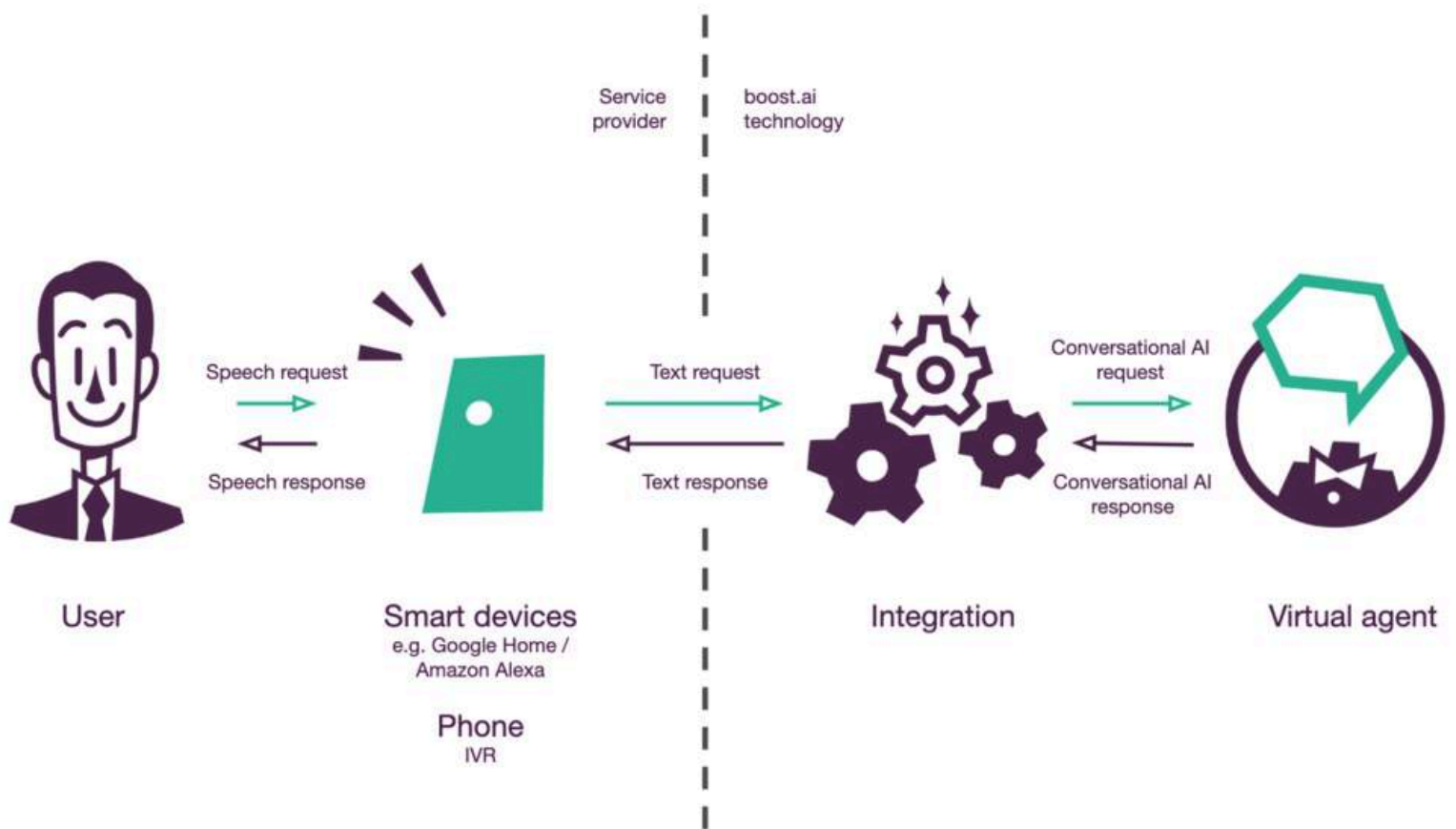
3. Step Three

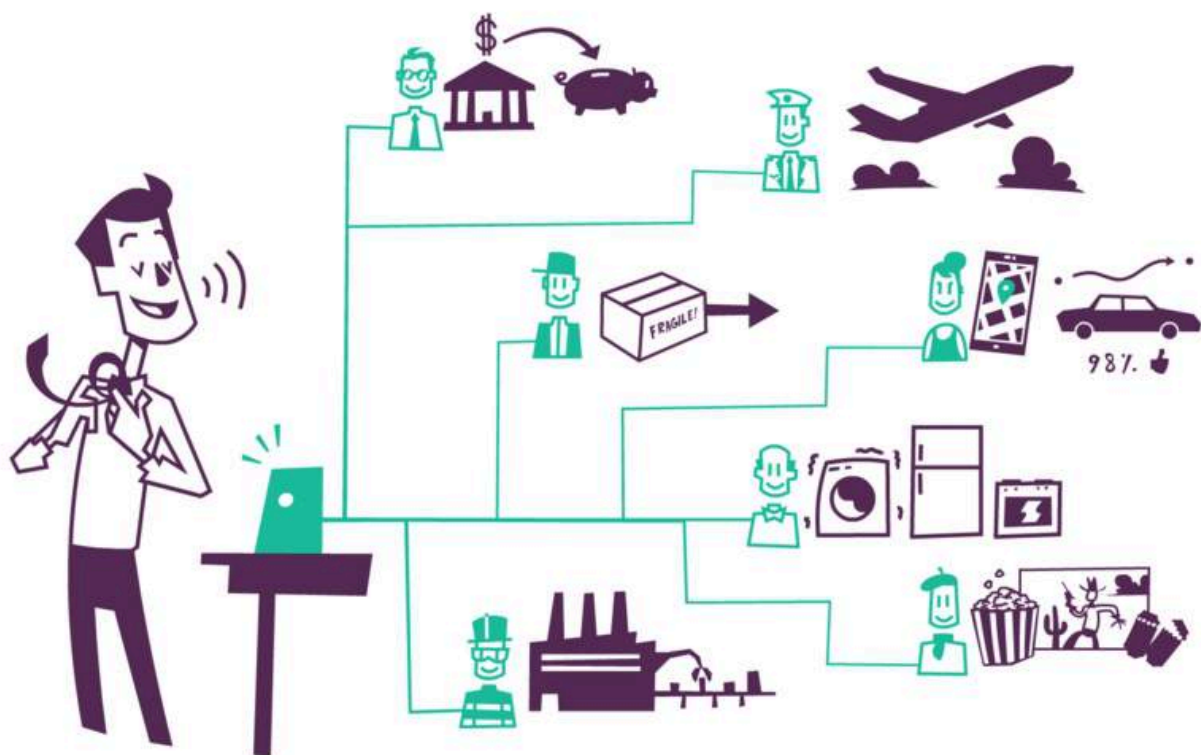
IT THEN USING META
SEARCH ALGORITHMS
SUGGESTS FEW
REPLIES AND GIVES
INFORMATION FOR
THE INPUT



4. Step Four

THEN IT COULD READ
THE INPUT SELECTED
BY THE USER USING
READ ALOUD
TECHNOLOGY






4:40

Tue, Sep 3

⊖    Until 9:30 AM



 Messages • 7m



Alex

January 15 at 5pm

reply suggestion



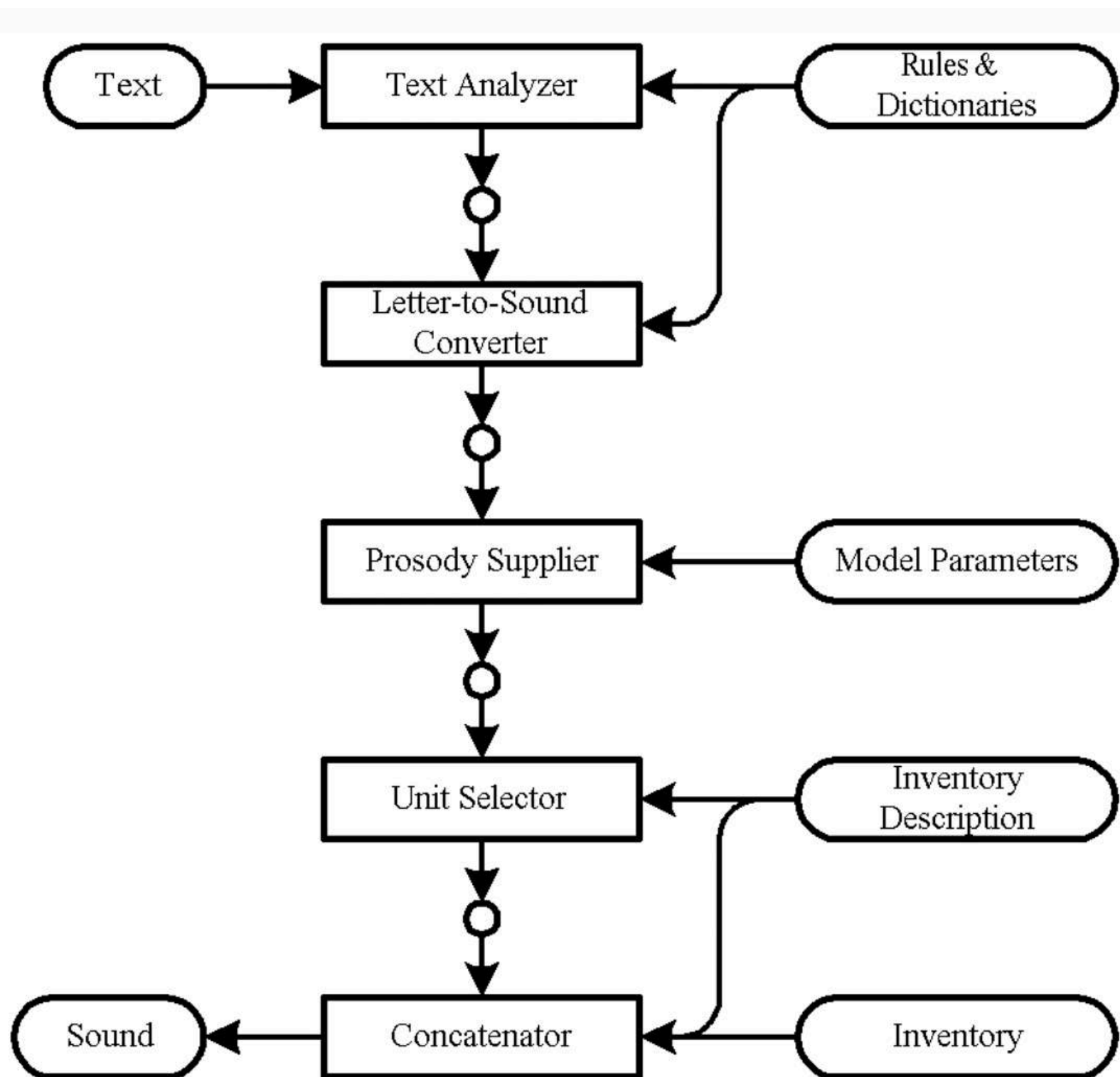
Okay

Thanks



Mark as read

Reply





APP FEATURES

FEW KEY FEATURES OF SPEECHLESS APP



GIVES ADDITIONAL INFORMATION

SUGGESTS FEW PICTURES AND FEW
PIECE OF INFORMATION



DETECTION OF DIFFERENT PEOPLE THROUGH VOICE

DETECTS WHO IS SPEAKING AND TELLS THE USER



SUGGESTS FEW QUICK REPLIES

IT GIVES FEW WORDS REPLIES AND READ LOUDLY
SO AS TO COMMUNICATE WITH OTHER PERSON



PRODUCT COMPARISON

Models listed below and their corresponding features:

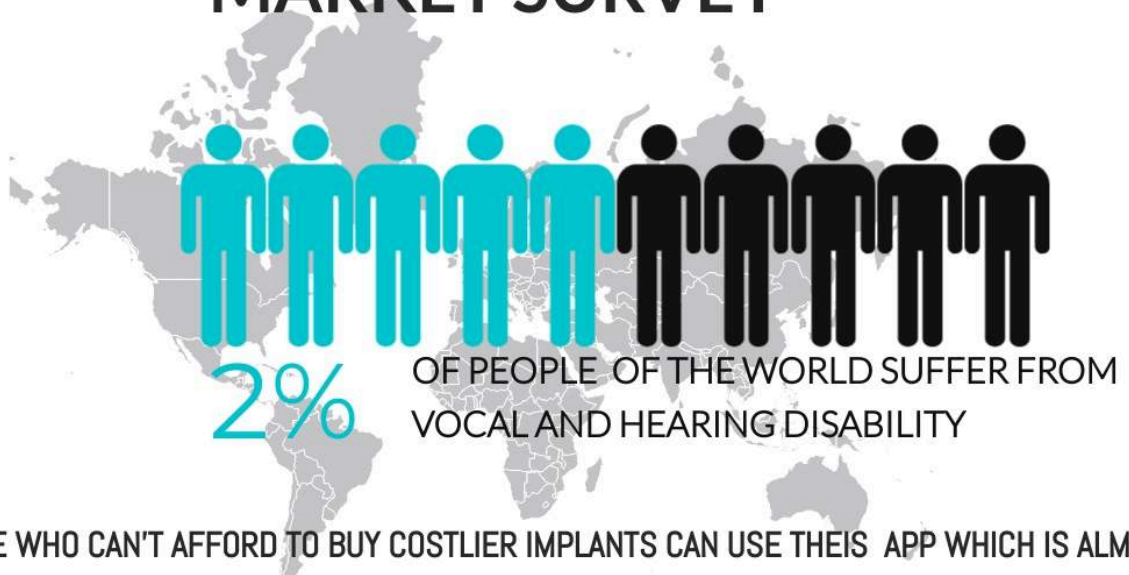
Product Name	HEARING AID	VOCALIMPLANT	SPEECHLESSAPP
HEARING AID	YES		YES
VOCAL AID	NO	YES	YES
ADDITIONAL INFORMATION	NO	NO	YES
LOCATION DETECTION	NO	NO	YES
SEND TO OTHER DEVICE	NO	NO	YES
COST	200000	20K-40K/6MONTH	FREE



SOCIALIMPACT

IT INCREASES THEIR LIVILEHOOD .
IT INCREASES THEIR MENTAL HEALTH
AND WELL BEING.
IT HELPS IN SOCIALIZATION OF THE
SEPCially DISABLED PERSON WITH
OTHERS.
AFFORDABLE SERVICES HELPS IN
IMPROVEMENT OF KNOWLEDGE TOO.

MARKET SURVEY



SO LARGE PEOPLE WHO CAN'T AFFORD TO BUY COSTLIER IMPLANTS CAN USE THEIR APP WHICH IS ALMOST FREE TO SMOOTHEN THEIR DAY TO DAY ACTIVITIES

657000

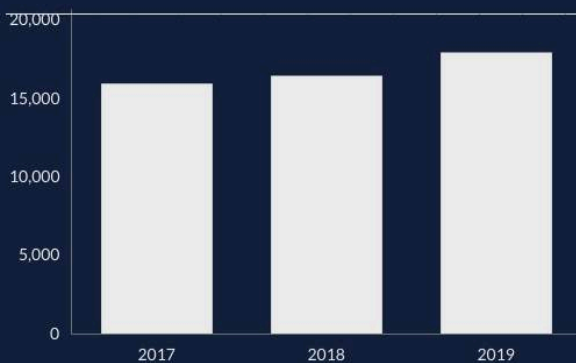
ESTIMATED CASES OF THROAT
CANCER AROUND THE WORLD

80%

PEOPLE LOSE THEIR
ABILITY TO SPEAK

31000

PEOPLE DIED DUE TO
THIS CANCER



**THERE IS INCREASE IN NUMBER OF
PATIENTS DIAGONIZED WITH
LARYNGEAL CANCER EACH YEAR , IN
INDIA ESTIMATED 21000 PEOPLE
HAVE BEEN REPORTED**

■ ■ T H A N K ■ Y O U ■ ■

**I WOULD LIKE TO THANK IIC JSSSTU FOR PROVIDING AN
AMAZING PLATFORM TO SHOWCASE FOR IDEAS**