Information Database Using AR

The Data Becomes the new oil these days.
The accessing of these data in an innovative method using AR.
And Database systems for seamlessly data transmission

MOTIVATION

Augmented reality is going to be very phenomenon over time.

As virtual environment completely immerses the user into the virtual world.

Augmented Reality allows the user to see the real world,

with virtual objects superimposed upon or composite with the real world.

About Augmented Reality

These days interactive study is a new boom for teaching industry.The 3D images, audios and videos that explain the text more graphically .

This enhances the student’s understanding and makes the learning process easier.

System Requirements

Input: Camera Device
Video device
Picture device

Output:
Display screen

System Design and Implementation

Object Detection

Haar Cascade

Deep Learning

SSD

LBPH

Image Processing

OpenCV

Tensor flow

Keras

Text Recognition

Tesseract OCR

Stanford Core NLP

Scikit-Learn

Database

MongoDB

MySQL

Cloud Database

Conclusion

An information directory application study is implemented using technologies like Augmented reality, OpenCV, OCR,Deep learning, Database .

To make a learning fun, Augmented Environment helps in the learning and also enhances the imagination capability using this technology.

We have also discussed the evolution of the AR from its invention to till date.Also some application that are important for the society.

Object detection using Deep learning, SSD and mobile Net platform, face detection using Haar cascade and LBPH, Tesseract OCR for the text recognition, OpenCV for the video and image processing for Complex processes

References

Sr No.	TITLE	AUTHOR	Method	Year
1.	Real Time Object Detection and Tracking Using Deep Learning and OpenCV	Chandan G, Ayush Jain, Harsh Jain, Mohana	SSD , MobileNet	2018
2.	Document Segmentation and Language Translation Using Tesseract-OCR	Sahil Thakre, Ajay Kamble, Vishal Thengne, Mrs U.R.Kamble	Python Script For Input and Translation to Rel. language	2018
3.	Object Detection and Count of Objects in Image using Tensor Flow Object Detection API	B N Krishna Sai, Sasikala T.	Faster R-CNN For Detecting Threatening Objects	2019