



EduVision

Team: Code Divas

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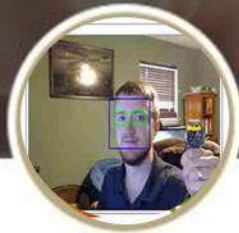
Soma Ghosh

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Our Project Elements



**AUGMENTED
REALITY**
in simple
notebook based
education



OPENCV
used for real time
object
recognition



**WEB
BASED
APP**
Platform



- AR in education
- Education for all and everywhere
- Connecting all stakeholders of Education system

Objective

We want everyone to get quality education.

We want to make education and learning fun and lively which will enhance the learning capability and will help spread education among all sections and ages of people very easily. Bringing in new technologies in education, will enrich our education system and will help our youth and students to development themselves in an overall manner.



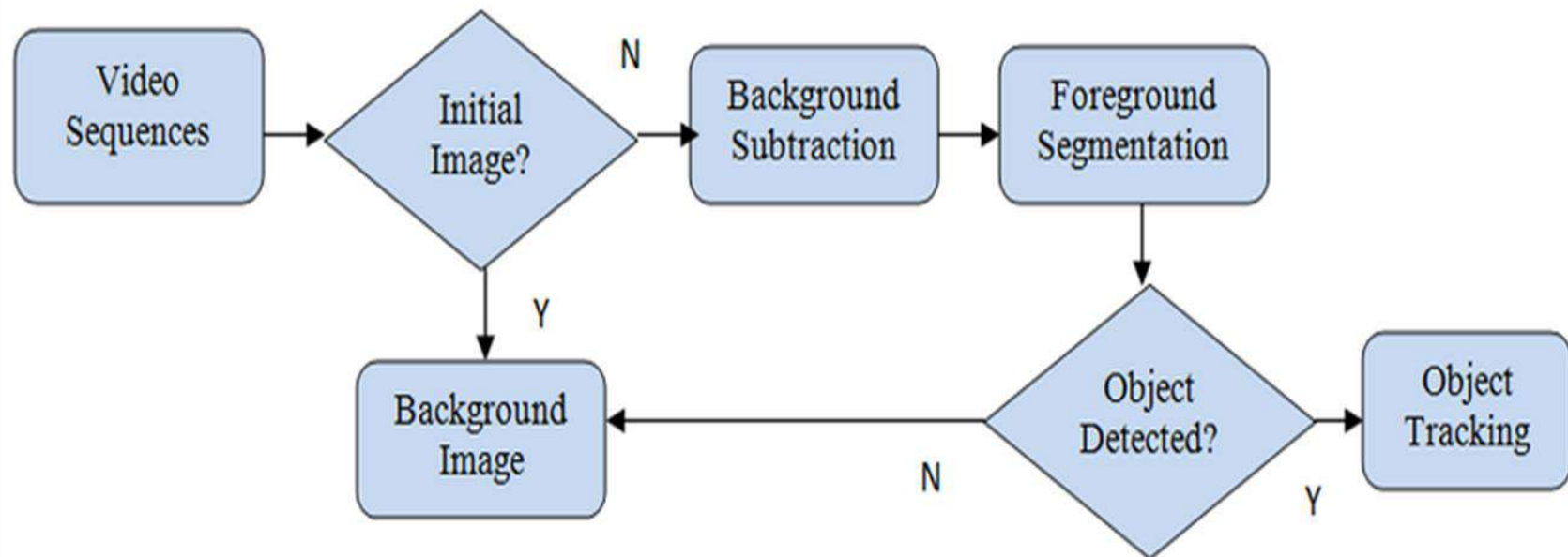
Implementation & Application :

We will use **Augmented Reality** in **simple notebook based education** through our **AR App**. Like seeing planets and solar system right in front of the student will **increase their zeal and interest towards studying**. This will **attract their minds and educate them simultaneously**. Seeing a heart or a brain right in front of them will help them **understand concepts better**. Having **AR Notes and videos** related to the chapter all in one notebook will **reduce burden of carrying numerous notebooks and always saving several videos and lectures in the device**.



Along with this we have **OpenCV Python** used for **real time object recognition** and hence children in labs can easily **focus on equipments or chemicals** and do experiments, this will also **prevent any accidents in labs.**

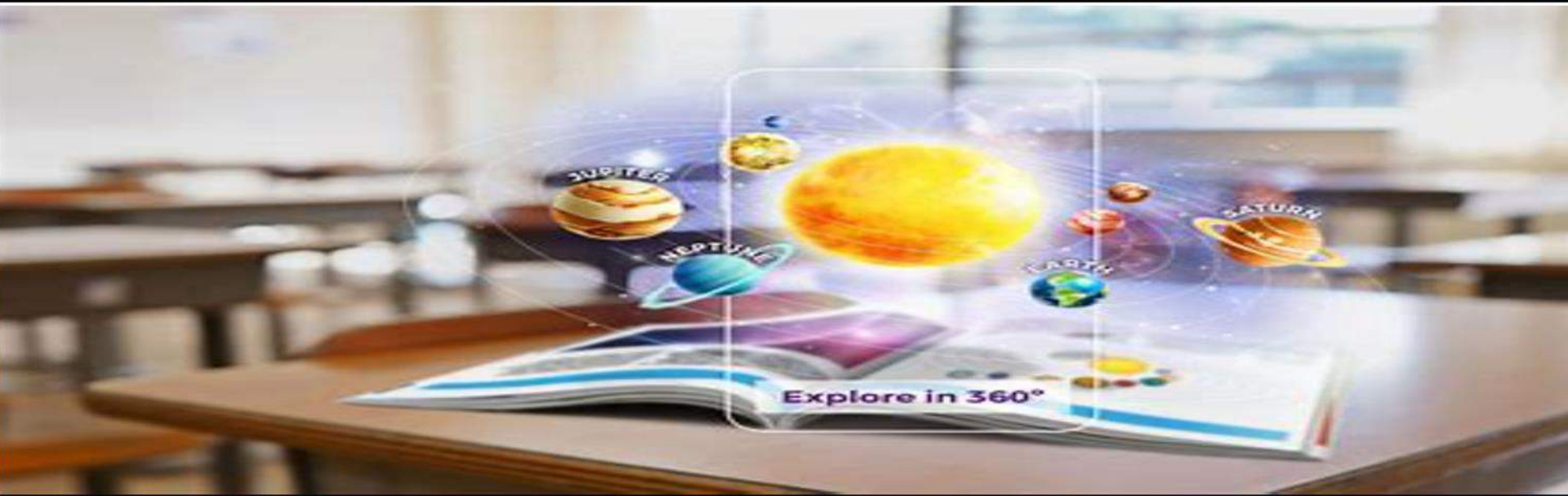
Real time object detection flowchart



The popping up figures, notes, videos will help in:

- **Easier learning, cost effective learning** among the children and students and
- **Educate them very well.**
- This will also help **reduce stress among students** when learning becomes fun.
- **This Blends entertainment and Education.**





Through our website, we give a common platform to the students, Parents, teachers, NGOs where they educate children, Institutions, Education Corporates/Consultants, Education department of Government and Students Counsellors. We connect all the stakeholders of Education system.

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Space & Astronomy

The students will get a **platform/App** for studying using **AR**, **understanding concepts to its core**. We have the **Open CV** based **real time object recognition** and hence children in labs can **easily focus on equipment or chemicals and do experiments**, this will also prevent any accidents in labs.



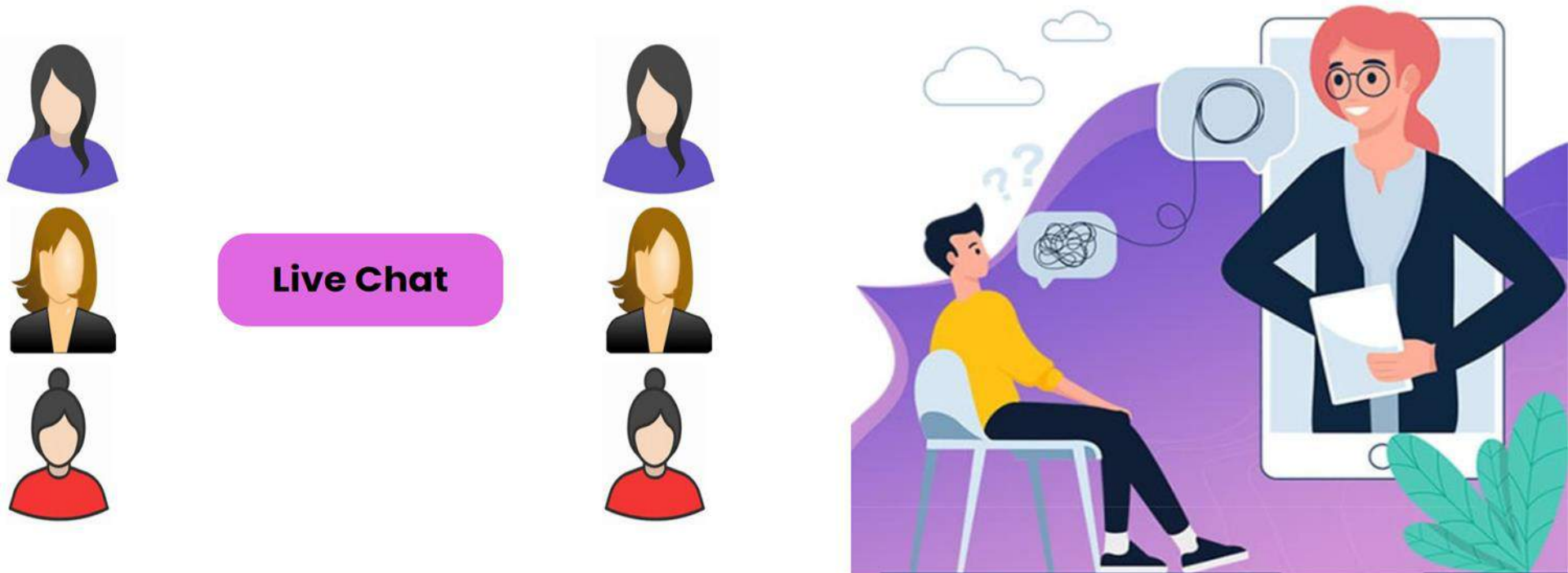
Teachers can **connect with students** and **guide** them online, as well as **connect with Institutions** and **Corporates**.



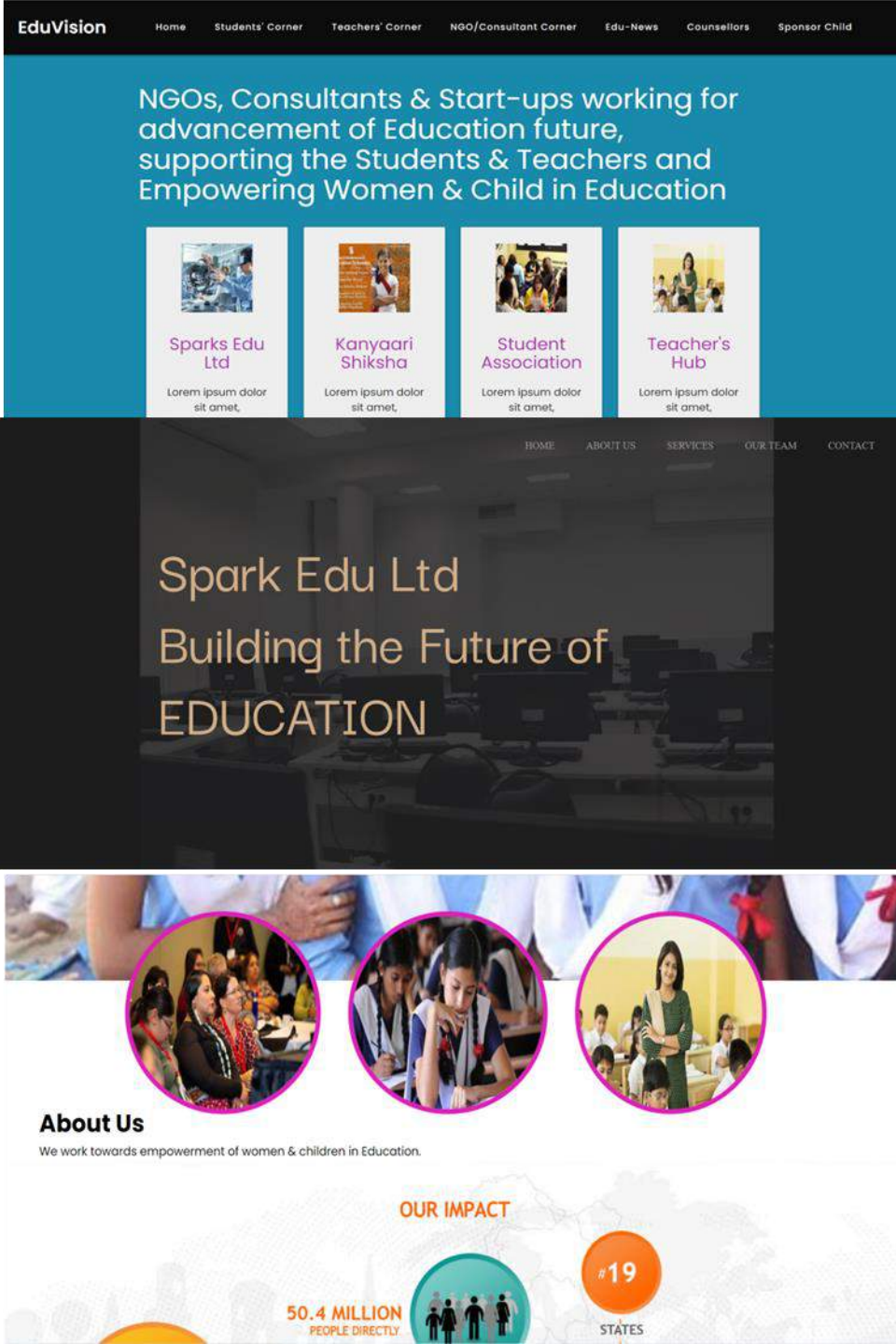
Education Department of Government

All Education news, new laws and schemes by the government and international education news

All the **education schemes by the Government** will be updates in our website and hence all students, parents, teachers are **aware and connect to these govt schemes, scholarships.**



Counsellors are there to help the students cope up with stress and other issues



The students also get **connected with corporates** and helps them in **placements, understanding industry demands.**

The students can **connect with NGOs** and **provide education to the underprivileged children.**

TechStack:

- Unity 3D
- AR
- Vuforia
- C#
- HTML5
- CSS3
- Js
- jQuery
- Bootstrap
- OpenCV
- Python

Future scope:

- We will develop this mobile app further. Which will give AR models on any surface anywhere.
- Implement this technology in all including underprivileged Schools and colleges for quality education along with VR.
- This type of education can also be given as industrial trainings.