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Anatas Academy (ispecial

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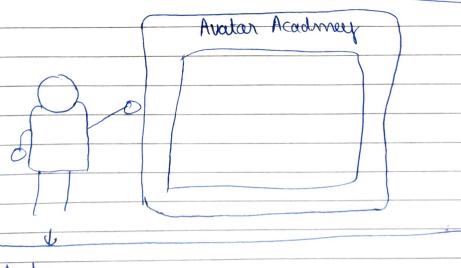
Functional Block Déagram
Hardware and Software Requirement

- Cost of Development and deployment

Præslem Statement

*You are Appointed as Chief Architect designer in XYZ Company as a requirement you have to design a System based on CG for Specially abled person for education.

* Education Platform (30 emabled)
Les Deaf people (AR VR enabled) for Deaf people



Auator

Communications

en Seign language (Alang With Video Subtitles,

Teacher's Signature:.....



A B Tosk

- Functional Block Diagram

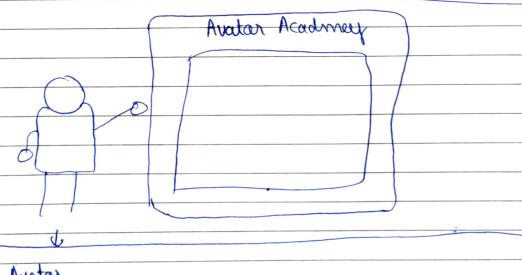
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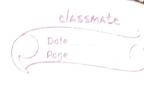
en Seign language (Alang With Video Subtitles

Teachor's Signature:.....

* Functional block diagram. User Interface (accessibility UT) - Visual Navigation - Lustomizable hayout - Tentual Feedback Learning Modules (Anatas) - Interactine Con - Yisual Aids Animated Lessons - Sign hanquage - Subtitled Videos Content Management assiculum - Con asset library
- Updates & Reviews (structured & Adaptine Marning)

Accessibility APIs - Video Captions - Sign Language API - Visual Alerts - Ca Rendering APTs ARIVR Engine - Immersive hearning Enperiences Simulation - Modules - Chapters User Feedback - User Progress Tracking - Assessments & Deadlines Teacher | Parent Postal Monitoring Communication

Cloud Storage Dession history - backup & Neconery



H&S reg for development

Hardmare

1. Development Workstations: · CPU: Quad-core processor (Intel is Ryzen 5 on higher)

· RAM: 32 GB minimum.

· GPU: Dedicated graphics card (NVIDIA GTX 100)

· storage: SSD with alteast SI2 GB for fast readjuinte

usneeds espeeds

· monitor: dual monitors recommended for multitasking

2 Testing Dervices: · Tablets: iOS & condroid denires for mobile compatibility.

· Pls: narious configurations to test différent uses environments.

· VRIAR: Oculus quest or HTC Vive.

3. Networking:
- High Speed Interneut for cloud services and updates

- local network for internal colab.

Software

· Game engine: Unity or Unreal Engine

· IDE: Vs code on Jet Brains Rider for (H Unity) or (++ (Unseal).

•	Graphics Software.
_	-Blender of Auto Desk Maya for 3D modelling and animations. -Adobe Greature Suite (photoshop; illustrator) per 2D assets.
	modelling and animations.
	- Adobe Greatine Suite (photoshop, illustrator
	per 20 assets.
2	Assessibility Lools:
	· Screen Reader Software: NVDA, JAWS.
	Assessibility Joble: • Screen Reader Software: NVDA, JAWS. • Sign Language APIs:
	0 0
3.	Database Management:
	· Database: Postgre SAL or Mongo DB for
	uses data management
	Database Management: • Database: Postgre SOL or Mongo DB for ouser data management. • Uoud Dernices: AWS, Azure, Google Cloud.
4	Version Control:
	· Git: Crithub or Crithab for source code
	Version Control: • Crit : Crithub or Crithab for source code management à collaboration
	.0
Σ.	Analytics Jools: Google Analytics.
G	· Automation Tools: Selenium of Appium
	Analyties Tools: Google Analytics. Automation Tools: Selenium or Appium partisting both web & mobile applications Bulk Tracking: JIRA or Trello.
	· Butte lacking: JIRA or Bellio.
-	1

* Security:

- fixe walls

- SSL (extipicates (for HTTPS)

- Anti Virus.

5 Cloud Services:

- AWS, Aruse, Google Cloud,

- CDN: Cloudflate be AWS Cloud Front.

6 Monitoring & Maintainense:

- prometheus be new relic

- ELK Stack for log management

7 Accessibility features:

- compliance with weats.

- tools for lesting.

	Date: / /
	Pevelopment Cost
	Software. Tools Cost:
	1. AR/UR sofware license - \$ 4,800/yearly.
	(Unity, Ureal Engine)
_	
+	2. Software Development Tools - Free.
	(VS-Code)
+	
	Hardware Cost:
	- De disable lines le
+	1. High-find P.C \$1500-\$4000 Per PC.
	2. V.P. Hedget - \$300 - \$800 / Headset.
	Total cost:
+	= (1500 x 3) + (10 500 x 3) = \$6000 for fear of 3.
+	= 06000 101 [carre 5.0]
	Research And Development:
+	1. Regearch - \$5,000 (Be production Research)
	2. Code development
	1 Integration - \$10,000
	3. Testing & Maintainence - \$8,000.
	maintainence - \$8,000.
\dashv	Total Costing. = \$30,800
	10,00

	Date: / /
	Deployment Cost:
,	(AWS)-(Loud Services \$40-\$400/monthly) (Playstore or App store). \$25/monthly
	Total cost for Deployment: \$175/monthly