RuralEdge

Digital Health, Education at the Rural Edge

THE LINUX FOUNDATION

LF EDGE

Treating the last "**patient**" on the digital lane

- 850 Million in Rural India
- 1 Doctor per 1497 person

- 600K HealthCare workers
- No Digital Aid
  - Low Internet Bandwidth
  - No Internet No Apps
- Basic resources are not available

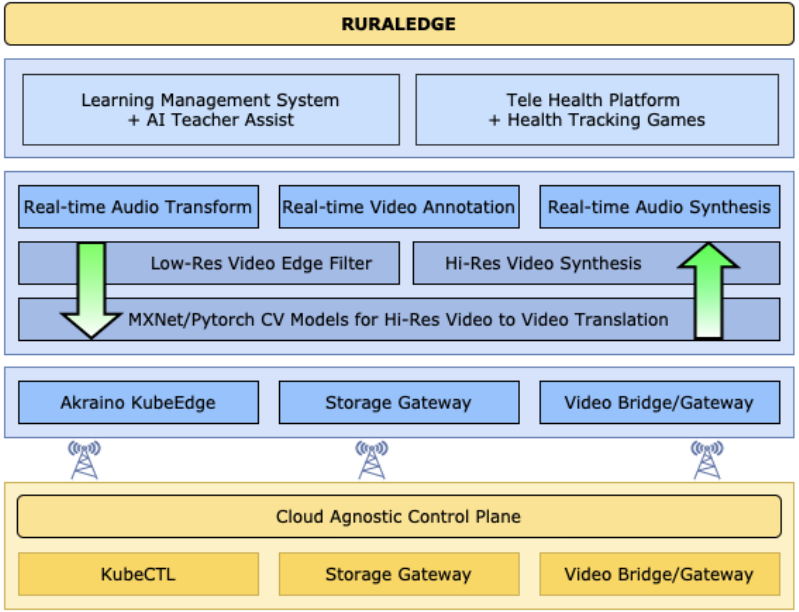
Educating the last "**student**" on the last mile: For all age and stage

Giving Edge to the last mile: Lean-Green-Smart Network

Proof of Concept
10 Tribal Villages
45 Km from nearest City
Partner : BSNL in remote zones

RuralEdge

BP Family: Tami COVID-19



Purpose/Features:

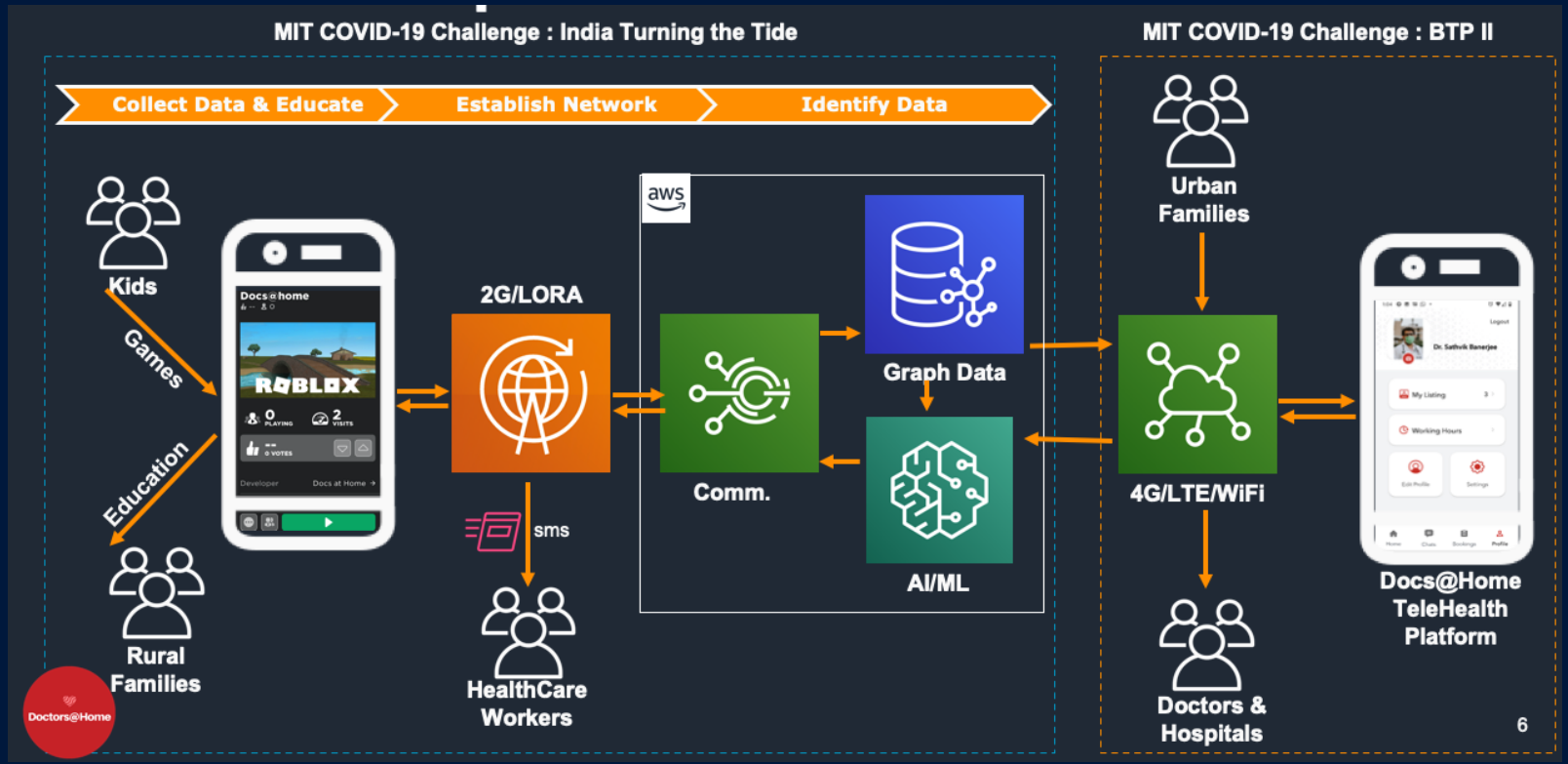
- ML Audio/Video Enhancements using GAN
- Tele-Health, and LMS on the edge.
- Control plane on the cloud
- Media plane close to customer site such as MEC servers in telco central offices.

Use cases & Applications

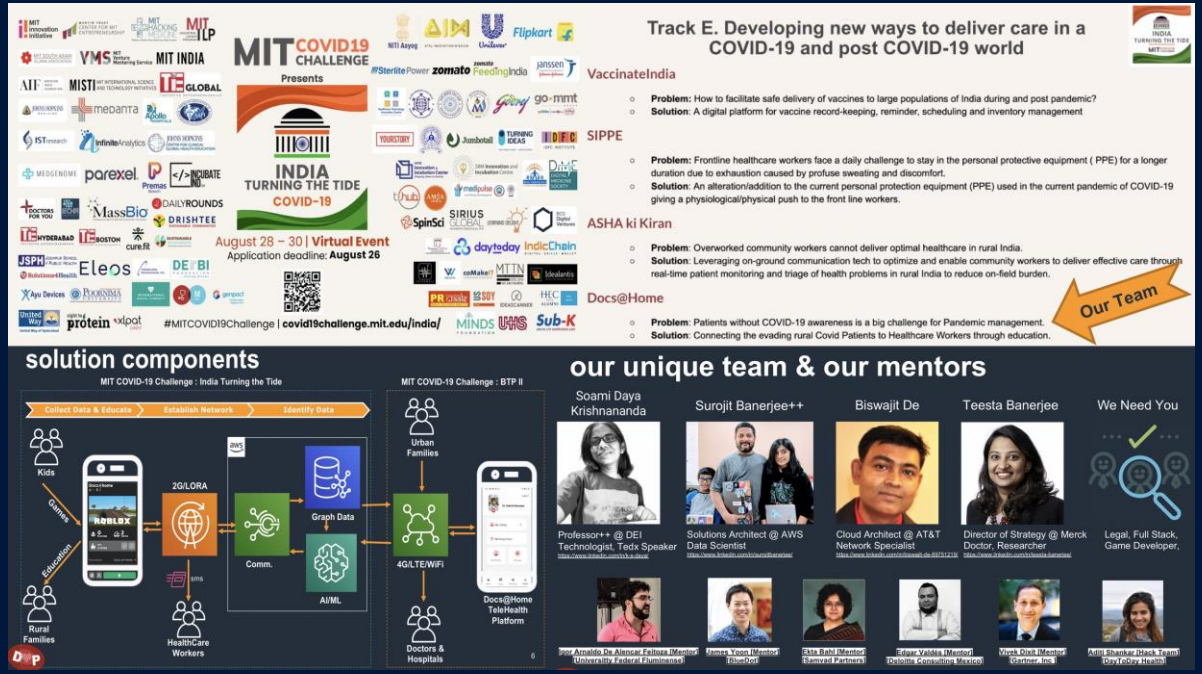
- Video Processing : Enhance Engagement Quality, Augment Video with information, Create Virtual environment, Transcribe engagements
- Telehealth : Appointment Scheduling, Payment Processing, Electronic Health Records
- Gamification : Reinforce Corrective Behavior, Track Progress, Generate Trends
- Learning Management System : AI Teacher Assist, Early Progress Prediction

Target Industry: HealthCare, Education in Rural/Remote areas

Docs@Home Solution Component



Validation and Engagement



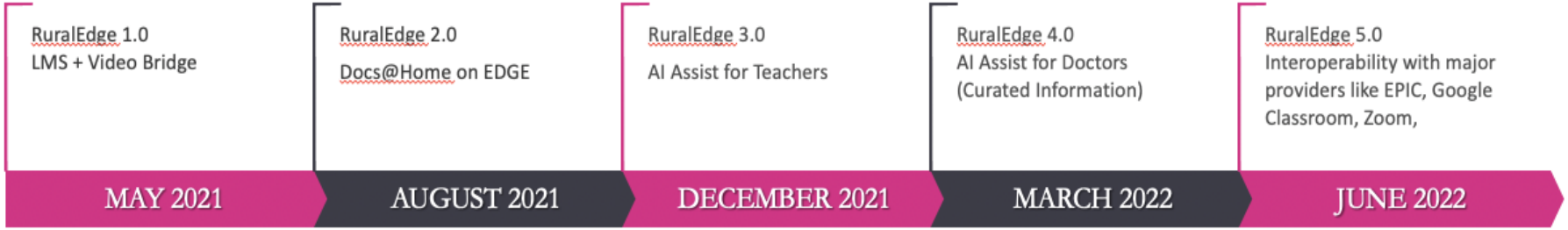
MIT COVID19 CHALLENGE

Dayalbagh Educational Institute

Smart Gaon Foundation

Journey so far

And Road ahead



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