Raise yourself – Aptly

Presents…

The AI Powered Interactive Knowledge Delivery Framework

May 2021
Motivation... team *edupme* spent huge time to zero-in on motivation points to look for improvements in teaching-learning mechanism.

**Use AI to deliver knowledge to one & all**: the foremost point out of conclusion is effective use of Artificial Intelligence such that every user has customized replica of teacher for knowledge delivery.

**Interactive & Adaptive delivery for every sector of academia & industry**: the tool should be designed to cater all sectors of teaching-learning such as management, social science, engineering, commerce, basic & applied sciences and so on.

**A Framework to make world-class knowledge accessible & affordable to masses**: The most important part is such tool should enable institutes / teacher to distribute AI technology accessible and affordable to every corner.

May 2021
“ed up me”...methodology behind the framework

**Constant check of what is not “Known”**: The AI engine behind the framework constantly checking candidate for what is not known. More focus will be placed on weaker areas.

**Evaluate – Recall – Revise – Progress** The entire process goes through cycles of evaluation, recalling what is taught, revision of the study & progressing further. The cycle repeats for effective delivery.

**Delivery tailored to each & every user (AI)** The framework allots part of AI to each and every user tracking their progress and adapts for every user seamlessly.

**Real time & on mobile** Entire framework executes itself in real time at every delivery and is easily accessible on mobile devices.

May 2021
The Framework... (what all components are included in framework)

**Frontend:** A mobile App or A desktop App

**Backend:** Connected with existing ERP / LMS / Database / Content

**Content:** A content owner keeps the IP.  
*Teacher can dictate & formulate The Outcome*

**AI can be tuned** by connecting every 
*program – teacher – content – user – outcome*
The Framework...

**App**
- Mobile
- Web
- AWS
- **MATLAB Production Server** along with edupme technology

**Database**
- MATLAB, **Database Toolbox**
- User specific interaction

**Compute**
- Online real-time AI algorithms
- Offline AI algorithms
- **Statistics and Machine Learning Toolbox**
- Deep Learning Toolbox

May 2021
Technology...

**Work with every program** to define the need of institute

*The AI engine can be tuned for Course outcomes*

**Tune AI Framework** to make content available on mobile for all stakeholders such as tutors and students to enable them seeing the improvements of better delivery.

**Improving knowledge delivery in various formats**

- Micro modules on mobile devices
- Class-room assistant
- Lab & Practice Assistant
- Data Analytics from University Perspective

May 2021
MathWorks Elements...

MATLAB Production Server
Statistics & Machine Learning Toolbox
Deep Learning Toolbox
MATLAB Compiler
MATLAB Compiler SDK

Cloud Elements..

App on iOS, Android & Desktop Platform
Scalable IT Infra based on AWS

MathWorks advantage...

Flexible in production
Fast time to market
Agile & decentralized development
Ultra low latency in real-time

May 2021
Summary

Quick change and deployment of AI
- Testing various algorithms offline
- Quick deployment online

Short dev to production time
- Matter of days

Scaling and concurrent use
- From 100 to 1000 in seconds
- Latency less than a second

Excellent MathWorks support
- Product knowledge

May 2021
# APTRaise Technologies...

## C-Level Services
- Technology | Development | Innovation
- Execution | Strategy

## AI Tech Based Software
- edupme
  - Interactive Knowledge Delivery Framework
- Software Kits
  - Platform Dependent Hardware

## Smart Wearables
- Healthcare
- Exoskeletons - Industrial & Defence
- VAR Hardware / Training

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<table>
<thead>
<tr>
<th>C-Level Services</th>
<th>AI Tech Based Software</th>
<th>Smart Wearables</th>
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<tbody>
<tr>
<td>2600+ Engineers Trained by our Leadership Team</td>
<td>75+ Engineering Domain Expertise</td>
<td>25+ Engineering Domain Expertise</td>
</tr>
<tr>
<td>60+ years of Combined Academic Experience</td>
<td>25+ Technological Innovations</td>
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<tr>
<td>85+ years of Leadership Experience</td>
<td>65+ Talks on Research &amp; Development</td>
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<td>35+ years of Science &amp; Technology Research</td>
<td>25+ International Locations Covered for Content Delivery</td>
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<td>50+ Research Publications in Leading International Bodies</td>
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<td>4 Engineering Text Books on Engineering Disciplines</td>
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May 2021
Thank You...