myDrona®

Vasudeva Varma

Hand-held and Personalized Learning Platform

by ETU Software Systems

incubated in IIIT-H

Information Access for Learning

World Wide Web – the biggest digital library.

- Search for learning involves: Multiple Topics, Multiple documents, Relevance to audience

Most learners have little means, time and know how to access it.

Lot of inappropriate content.

Huge information overload problem.

Current means to access WWW

Expensive

Lack Mobility

Distractive

Lack of Service

Learning and Retaining

Based on Pedagogical Research

R&D showed higher levels of retention is possible when all senses are concentrating on a personalized learning platform

"Online learning works for strongly motivated, but very few learners have it", **Bill Gates, Gates Notes, Feb 2011**

- Barriers to learn from web
  - Means, Time, Know-how
  - Effortless learning
  - Learning on the go
  - Fun element

myDrona – A Solution

- Freedom to choose from thousands of topics.

- Doesn't require a Computer or Internet.

- Learn from the BEST across the world.

- Make every place a study room.

- Learn at your own pace

- Books
- Evaluation module
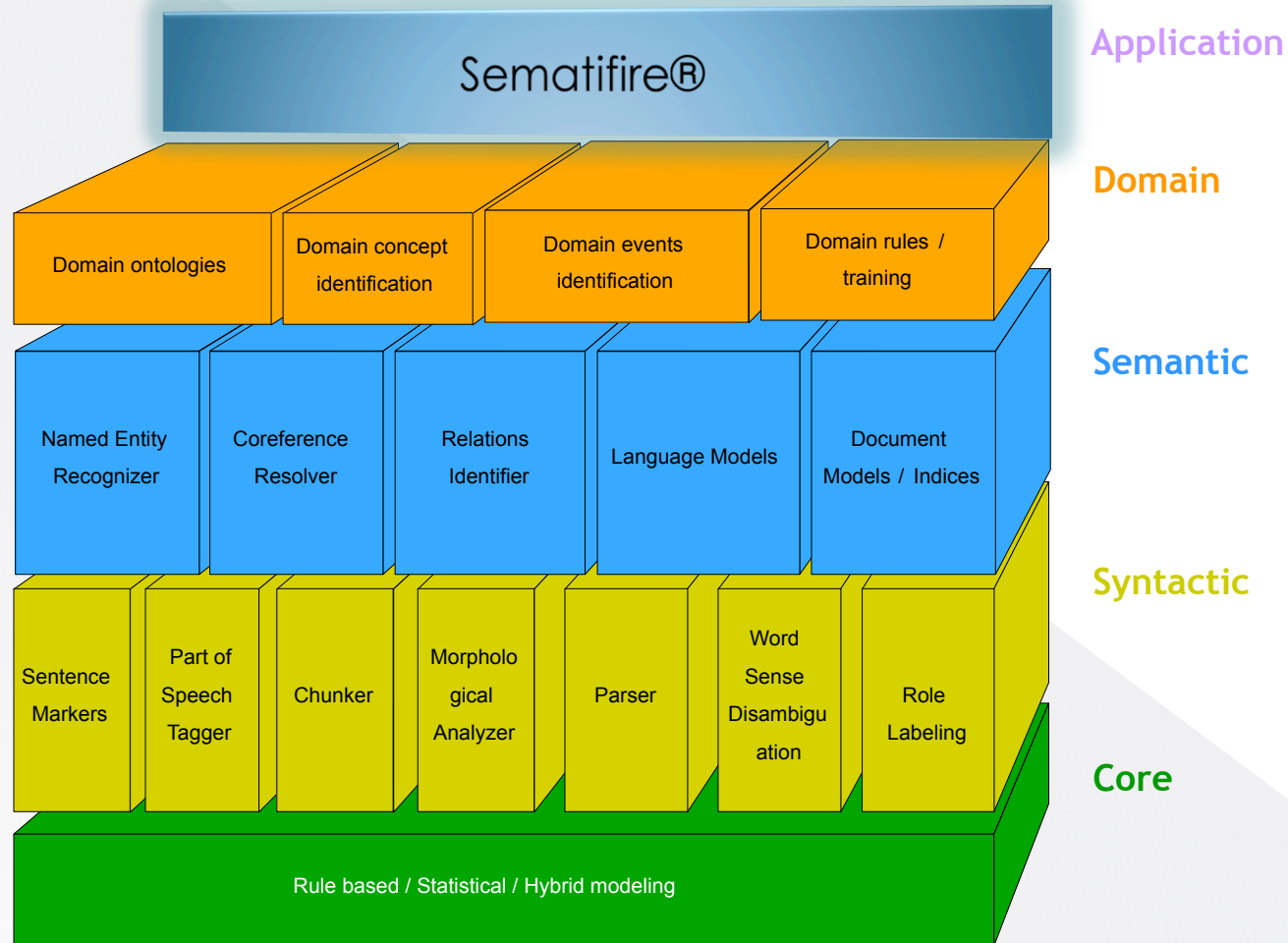- Encyclopedia
- Educational apps
- Educational Games

myDrona - Overview
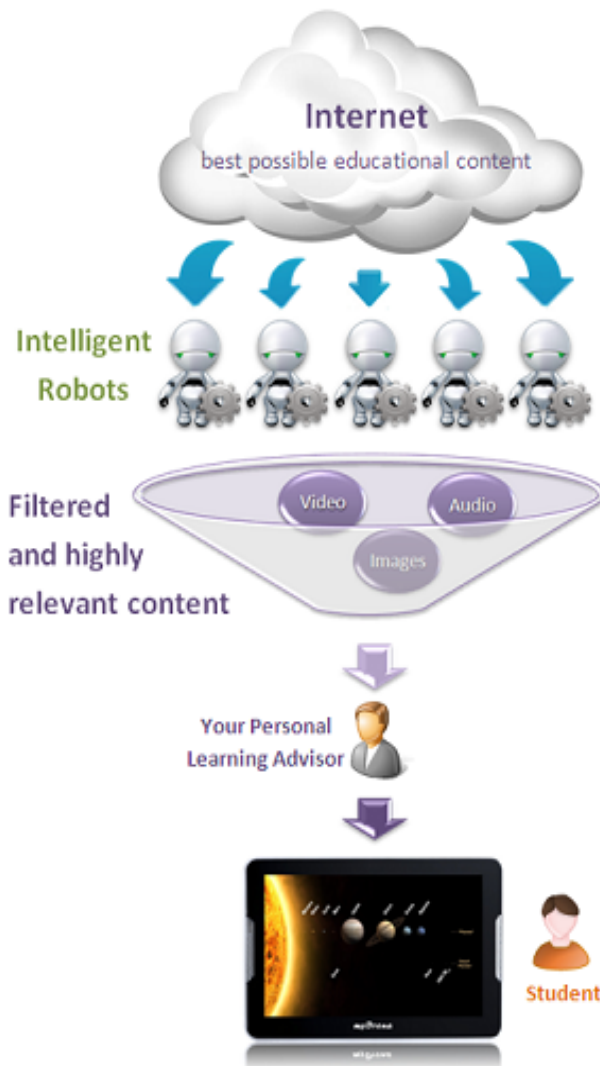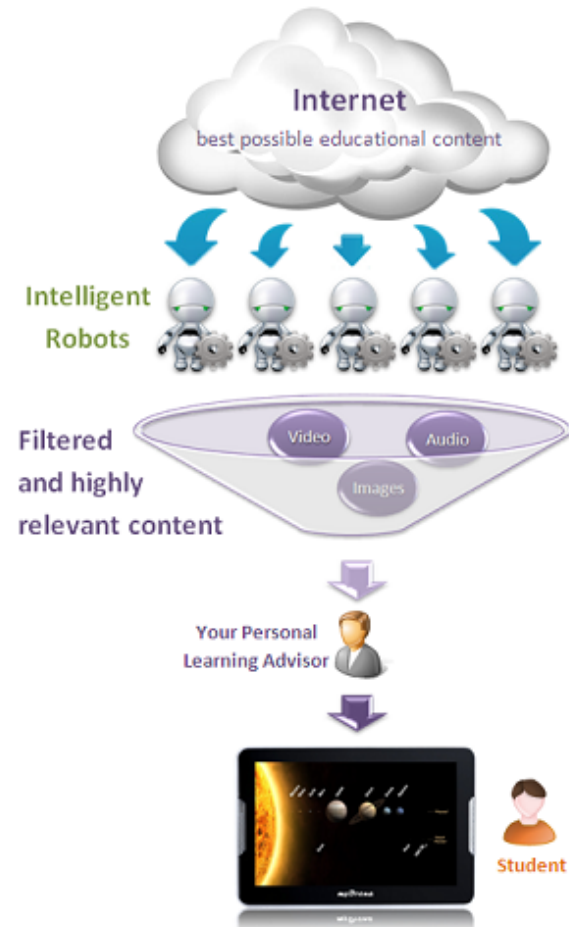
Behind the Scenes: Technology Backend

myDrona –Content Overview

- More than One million videos indexed and growing.

- Cloud computing technologies for operations.

- Filter highly relevant content available in the internet.

- 150,000 hours of lectures, animations, practical tutorials, etc.

- ~60TB learning material in the index and still growing.

- Personal Advisors to deliver the right material to the right people.

- Load content to the Device from our high speed internet download service centers / kiosks.

Internet
best possible educational content

Intelligent Robots

Filtered and highly relevant content

Video   Audio
Images

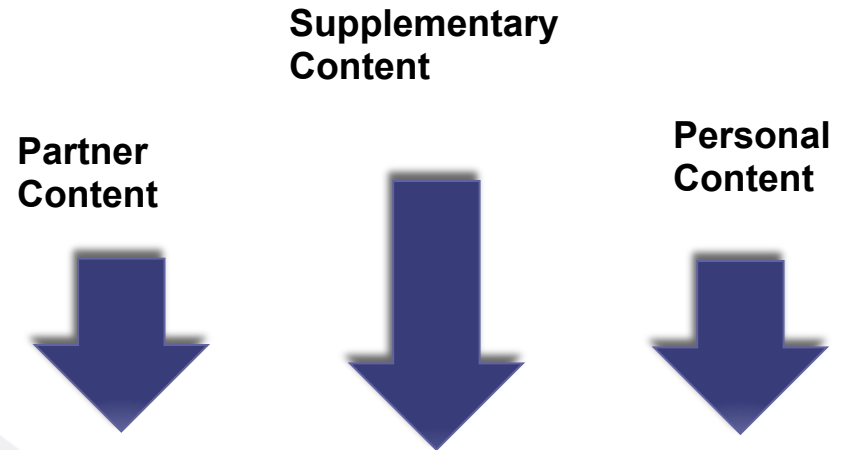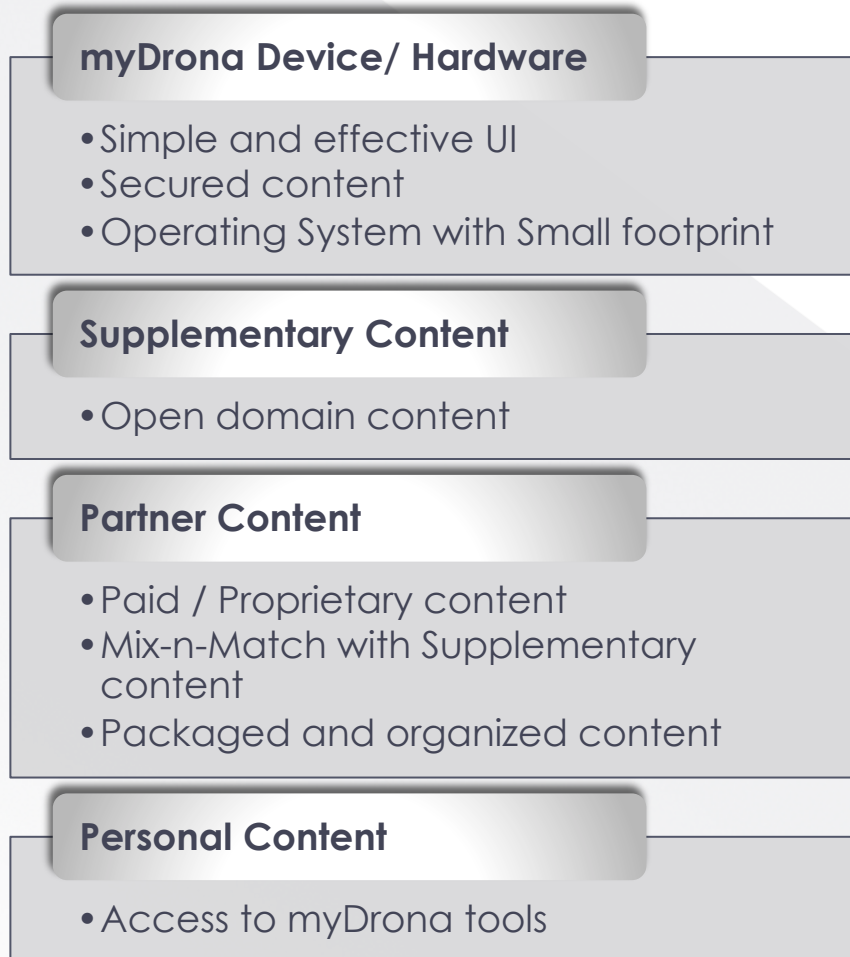Your Personal Learning Advisor

Student

myDrona – Supplementary Content Catalog

- Nursery – X class (Any Syllabus)
- Intermediate/XII
- Extra Curricular
- Competitive Exams
- Professional Courses – Engineering, Medicine, Management…
- Skills Development
- Continued Learning
- Goal Oriented Leanring

and many more…

myDrona Platform - Four Layers

myDrona Device/ Hardware

- Simple and effective UI
- Secured content
- Operating System with Small footprint

Supplementary Content

- Open domain content

Partner Content

- Paid / Proprietary content
- Mix-n-Match with Supplementary content
- Packaged and organized content

Personal Content

- Access to myDrona tools

Supplementary Content

Partner Content

Personal Content

Input: Query

Table of Contents

Output: Content based on

How relevant is it?

How interesting is it?

    Content analysis

    Social/anchor links

Relevance to the level/grade of the student

Sequence of learning

Thank you