e-Teacher
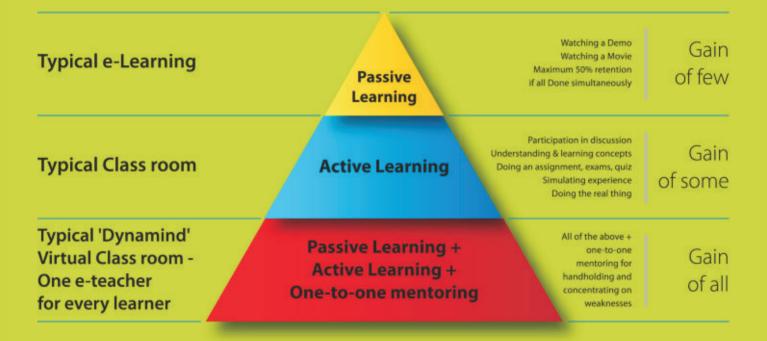
e-Trainer

100% Interactive Distance-Education with Dynamind

Capacity Building in Education & Training using ICT

Typical e-Learning	**Passive Learning** — Watching a Demo, Watching a Movie, Maximum 50% retention if all Done simultaneously	Gain of few
Typical Class room	**Active Learning** — Participation in discussion, Understanding & learning concepts, Doing an assignment, exams, quiz, Simulating experience, Doing the real thing	Gain of some
Typical 'Dynamind' Virtual Class room - One e-teacher for every learner	**Passive Learning + Active Learning + One-to-one mentoring** — All of the above + one-to-one mentoring for handholding and concentrating on weaknesses	Gain of all

☛ Student-Centric system of teaching. No two people are the same, each person is different

☛ 100% interactive - 24x7x52 hrs per year

☛ Web based e-Teacher & e-Trainer

☛ Easily scalable to any limit

☛ For schools, colleges, vocational education, corporate training and adult & life-long learning

☛ Low cost High Quality

☛ Handles any type of multimedia e-Content

☛ Uses the internet as a resource library

☛ Supports 11 Indian & 54 International languages

☛ Has Collective intelligence features

For details visit www.i2k.in

The real
Global Challenge in 21st Century

How to make each and every person more productive in this Knowledge Economy? Answer: Make **Average** Learners **Great** by superior training methods and continuous learning.

How to make learning and training more effective

Numerous studies suggest three critical elements for effective learning:

- One-on-One Learning: One dedicated trainer for one learner
- Active Learning: Where learner is actively involved in learning process
- Passive Learning: Better hear, see, and read experience by improving one way delivery of content
- Human intelligence has 8 different forms. Every human being has one dominant intelligence level. Hence learning can be maximised when we give due recognition to preferred style of learning by an individual

One-on-One Learning is most important form of learning

A 50 percentile learner will score above 98 percentile if provided with One-on-One training

What is One-on-One learning?

Each and Every learner should be provided with dedicated learning such as Customized Tutorial Instruction, Reinforcement, Corrective Feedback, Cues and Explanations etc.

Issues with One-on-One learning

- Cannot be administered to large number of learners (Not scalable) as number of trainers is limited
- Very expensive; Hence limited to select few

Effectiveness of Active learning

Upto 90% retention after two weeks. However number of learners, in a batch, should not exceed 10

Issues with Active learning

How to take it to large number of learners or SCALABILITY?

Effectiveness of Passive Learning

Upto 50% retention after two weeks

Issues with Passive learning

Learners with very high competence excel but such learners are very few; Majority suffers

Some efforts of
scaling up of learning and its effect

Effort	Plus	Minus
Increase number of students in a batch	One trainer can address more learners; Improved Passive learning	One-on-One and Active learning suffers
Increase number of batches	Improved One-on-One and Active learning	Good trainers hard to find
Use TV	One trainer can address more learners; Improved Passive learning	One-on-One and Active learning suffers
Use virtual class rooms	One trainer can address more learners; Improved Passive learning	One-on-One and Active learning suffers
Use VSAT	One trainer can address more learners; Improved Passive learning	One-on-One and Active learning suffers
Use e-learning LMS	Improved passive learning	One-on-One and Active learning suffers

i2k's Dynamind gets adopted by 21 countries

Agreement being signed by Atul Nigam, CEO i2k solutions and Young Hwan Kim, Ph. D. President of Institute of APEC

Features of Dynamind

e-Teacher / e-Trainer

The e-Teacher platform is designed to diagnose weaknesses and suggest remedial steps for each learner, student or a trainee. It provides adaptive learning experience that is customized as per each user's needs.

The e-Teacher is developed on unique bio-inspired computing paradigm. Its core architecture resembles the way information is processed in the human brain. It uses patented algorithms developed using Artificial Intelligence and Artificial Neural Networking to provide a highly personalized and customized learning experience to each and every user, learner or student. The mentor or teacher has overall control on the e-Teacher / e-Trainer.

StudyDesk Overview

1. Introduction

I. *Snapshot* - Learner gets snap shot of his/her performance, at the time of log in, on right side of StudyDesk

II. *Five Weakest Chapters* - StudyDesk displays, on right side, five weakest chapters at the time learner has logged in

III. *Feedback on Conceptual Errors* - Based on all interactions of learner StudyDesk gives feedback on conceptual errors learner is found to be making

2. Learning Center

I. *Go to Course*
Instructor Led Plan - Learner is bound by sequence decided by Instructor
Flexible Study Plan - Learner can go anywhere in the course. At each stage, within the course, learner is told his/her STRENGTH AND WEAKNESSES
Class of One - Based on strength and weaknesses of EACH and EVERY learner, StudyDesk creates CUSTOMISED learning program

II. *Daily Quiz_*
Learner can select chapters, on StudyDesk, from which s/he wishes to receive daily quiz. StudyDesk sends quizzes from weak concepts, within chapter selected, daily on email of the learner.

III. *Weekly Assignments*
Every weekend StudyDesk sends progress report and customized assignment for each and every learner.

IV. How learning happens

Types of Content - Learner is presented with content in form of text, rich multimedia, Voice enabled lectures, graphics to accelerate assimilation of concepts taught

Languages Supported - ASSAMESE, BANGLA, GUJARATI, HINDI, KANNADA, MALAYALAM, MARATHI, ORIYA, PUNJABI, TAMIL & TELUGU & 54 International Languages

V. How learning happens with Internet?

Power of ZenMaster - StudyDesk has inbuilt set of crawlers that keep searching the Internet for links that are most suitable in context to concept being studied by learner

Mentor endorsed links - Mentors have right to give their expert view on the web link picked up by the crawlers in relation to a particular concept on StudyDesk

Mentor rated links - Mentors have right to rate links as excellent, good or bad.

Learner Hot links - Learner can further refine their choice by storing good links, for future reference, within their Hot link utility.

VI. How learning Happens with Tool Box?

Tool Box is set of utilities that provide help while studying a concept or working on a question

Interact with Mentors - Learner can interact with authorized Mentors

Interact with other students - Learner can interact with fellow students

Best Matched student pairs - Strength of one student is matched with weaknesses of other and vice-versa. This creates best matched pairs i.e. one who can help each other for maximum benefit.

Search - Learner can search entire knowledge base of StudyDesk and even ask ZenMaster to search relevant links from the Internet for something that needs more explanation

Not Understood - Learner can mark concept that is still not understood. StudyDesk presents several options to improve the understanding

My Hot links - Learner can refer to any favorite link stored earlier on a particular concept

Go to Next Page - Learner can go to next page

3. Test Center

Tests, in any form, are present within the Test Center

Practice Session - Learner can choose his area for practice tests and take quick test. Full feedback with analysis on weak area is presented

View Assignment - All assignments can be viewed and attempted

View Section Tests - Sections tests can be viewed and attempted

View Diagnostic Test - View and attempt Diagnostic test at the start of the course

Daily Quiz - View and attempt Daily Quizzes

Weekly Assignment - View and attempt Weekly Assignment

Test Center Strategy - It gives student strategy to optimize marks in classroom tests

4. Other Tools

It contains other tools to assist learner

Take Notes - Facility to take notes for future reference

My Notes - Learner can look into notes taken earlier

My Questions - Learner can see all questions raised

Private Messages - Learner can check and send message

Friend in Need - Learner's best matched students for mutual help

My Hot links - Learners favorite links

5. Reports

It contains reports of learning progress

My Rank - Daily Dynamic ranking of learner at Course, Subject, Topic and Chapter level

Practice Session Reports - All reports of practice sessions taken by learner

Time Spent - Time spent by learner at Course, Subject, Topic and Chapter level at any instant during the period of the course

WorkDesk Overview

1. Introduction

WorkDesk is a facility designed to not only reduce work load on trainers but also make them more effective. Single expert can manage any number of learners by using special features of WorkDesk.

2. Administrative Tools Menu

I. **Student Attendance**
   Choose Date Range - Mentor can see group attendance in chosen range
   Learner activity on a particular day - Mentor can see all activities performed by learner, on a particular day, by clicking on number of log in data in attendance report

II. **Student List -** Mentor can look into all administrative reports of learners through this sub-menu. It could be address, fee payment etc.

III. **Mentor Details -** Super Mentor is overall in charge of the course. Under Super Mentor there is provision of appointing mentors with specific roles and responsibilities

IV. **Mentor Requests -** Mentors can apply for teaching assistant role online. Management of such requests is done through Mentor Requests Sub-menu

V. **Student Reports -** Important administrative reports are stored under this sub-menu

VI. **Current ROI status -** It gives ROI status at point during course of learning

3. Course Menu

I. **Course -** Mentors can manage web links picked up by crawlers

II. **Overview -** At any instant Mentor can know Group's problem areas at Course, Subject, Topic and Chapter level. This is used to improve course contents so that group's learning could be improved upon.

III. **Difficult Question Report -** It gives those questions that group was not able to solve at Course, Subject, Topic and Chapter Level

IV. **Rank Report -** Comprehensive ranking of all learners at Course, Subject, Topic and Chapter level

V. **Question Box -** Mentor can manage all unanswered queries

VI. **Time Spent -** Group's time spent at Course, Subject, Topic and Chapter level can be compared with allocated time

VII. **Create/ Modify Test -** Super Mentor can create or modify existing test and administer it at pre decided date and time for entire group or selected students

VIII. **Create/ Modify Exercise -** Super Mentor can create or modify existing Exercise and administer it at pre decided date and time for entire group or selected students

IX. **Create / Modify Mentor Exercise -** Many mentors can work under a super mentor. Each of these Mentors can create or modify existing Exercise and administer it at pre decided date and time for entire group or selected students assigned under him

X. **Submit Test -** Classroom tests can be submitted for profiling to be done by StudyDesk and WorkDesk

XI. **Submit Exercise -** Classroom Exercises can be submitted for profiling to be done by StudyDesk and WorkDesk

XII. **Submit Mentor Exercise -** Mentor created exercises, for selected students under him, can be submitted for profiling by StudyDesk and WorkDesk

XIII. **Test Reports -** Collection of all test reports

XIV. **Section Test Reports -** Collection of all section test reports

XV. **Exercise Reports -** Collection of all Exercise reports

4. Student Menu

This menu gives Mentors option of looking at a particular student learning interactions and reports

I. **Student Personal Details -** Mentor can see personal details of individual learner

II. **Student Feedback -** Mentor can see feedback of individual learner

III. **Rank Report -** Mentor can see ranking of individual learner at Course, Subject, Topic and Chapter level

IV. **Student Questions -** Mentor can see questions of individual learner

V. **Weak Areas -** Mentor can see weak areas of individual learner at Course, Subject, Topic and Chapter level

VI. **Time Spent -** Mentor can see Time Spent by individual learner at Course, Subject, Topic and Chapter level

VII. **Test Reports -** Mentor can see Test Reports of individual learner

VIII. **Section Test Reports -** Mentor can see Section Test Reports of individual learner

IX. **Exercise Reports -** Mentor can see Exercise Reports of individual learner

X. **Practice Reports -** Mentor can see Practice Session Reports of individual learner

ZenMaster

It is a set of crawlers designed to feed users, learners, teachers and mentors with relevant information from the Internet. ZenMaster, therefore, avoids meaningless surfing on the Internet and saves time for each user, learner, student teacher or mentor. The mentor or teacher has overall control on the ZenMaster.

ZenStar

ZenStar utility manages collective learning. It helps one user learn from experience of others. The mentor or teacher has overall control on the ZenStar.

Advantages of Dynamind

Conventional LMS	Dynamind
Passive learning (One-to-Many)	Passive, Active and One-to-One Learning
Content cannot be reconfigured easily	Content can be updated live
No intelligence	System keeps learning with time
Domain experts cannot intervene	Domain experts can continuously improve quality of course delivery

Advantages of Dynamind on Revenue share Model

Conventional	Revenue Share Model
High Capital Expenditure	No Capital Expenditure
Direct & Indirect Investments	No Investments
Ballooning Costs	Low-cost
Long Implementation	Implementation in weeks
Rigid	Scalable
Limited access	Anytime, anywhere access
Upgrades at extra cost	FREE upgrades
Limited licensing	Revenue share

Contact: i2K Solutions, B-604, Canna, Hiranandani Gardens, Powai, Mumbai - 400076. Tel: 022-25862969 Website: www.i2k.in

With Compliments from

Krishan Khanna
Chairman
i2K Solutions
email: krishan@vsnl.com
Cell: +919821140756

NASSCOM
MEMBER

dynamind
one-to-one mentoring in e-learning