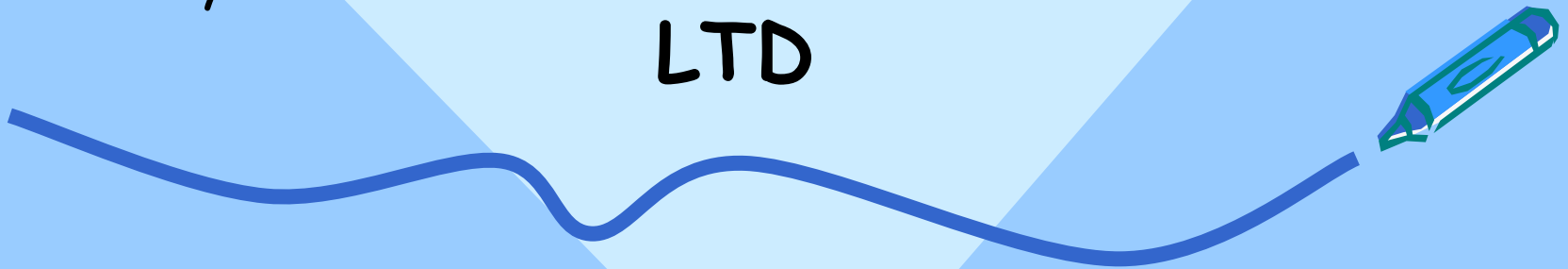


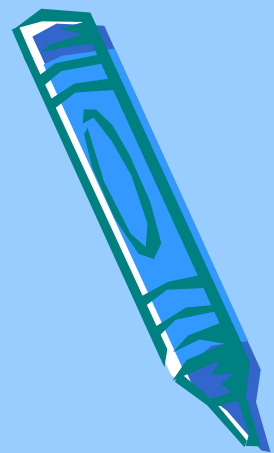
The Role of ICT in Education!

By RTM TECHNOLOGIES PVT LTD

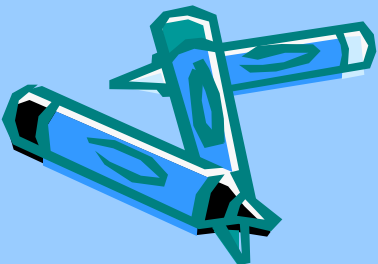


ICT in Schools

Introduction

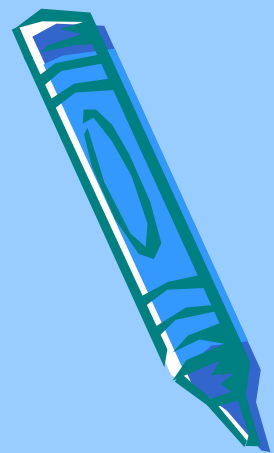


- It is generally agreed that ICT is a crucial resource in education.
- Children use computers from an early age and continue to university level.
- Children taught practical ICT skills that are transferable into the work place.



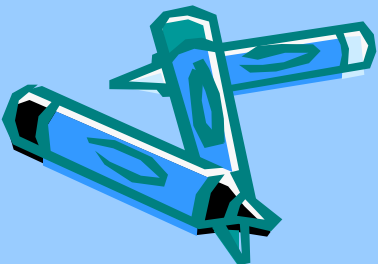
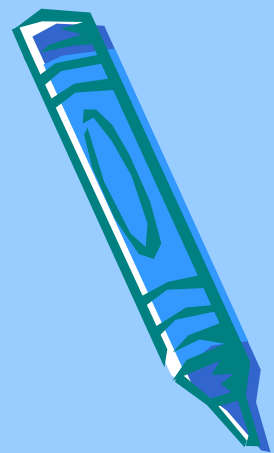
More advantages

- Teachers upload course documents so that students miss a lesson, they can download information and do the work in their own time.
- Encourages student-driven lessons, where students take responsibility for their learning.



Even more advantages!

- Government sponsored learning tools available to students .
- Government promises high-speed broadband internet access for every university, hospital and doctors' surgery which would allow schools to be linked and to share resources.



Advantages of ICT in Education

- Use of packages: word-processing, dtp, spreadsheets.
- Special facilities for pupils with disabilities.
- Teacher and pupil communications improve.
- ICT provides links with other schools or with businesses.
- Computers in schools provides wider access to ICT and encourages new ways of learning
- Can repeat work again and again and again



CD-ROMs in schools



- Interactive Learning packages are available on CD for different subjects.
- Children can learn in varied ways in the classroom.
- There are many CD-ROMs available for each level of the national curriculum.





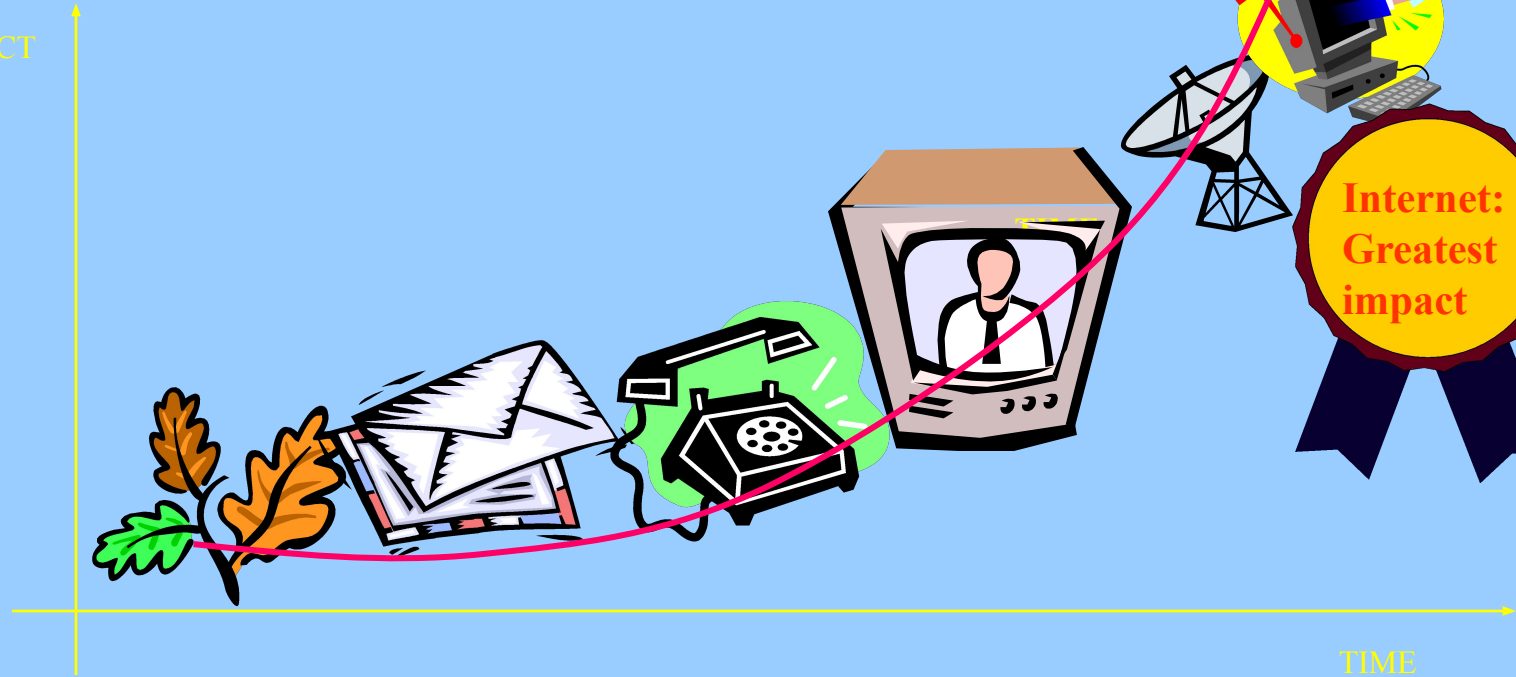
E-learning for Education

By RTM TECHNOLOGIES
PRIVATE LIMITED

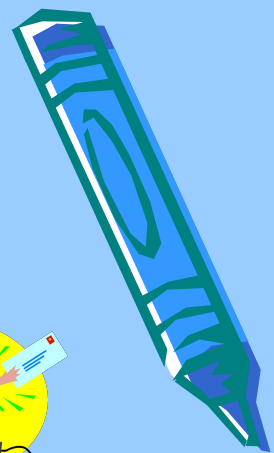


Evolution of Education Technology

IMPACT



TIME



E-learning: Blended mode



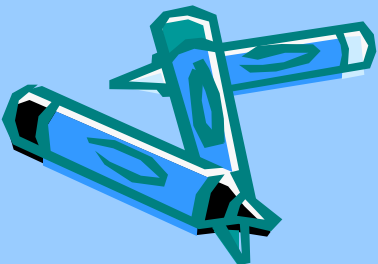
Chalk-and-board has long ruled the classrooms

- will not be eliminated
- Less emphasis



Interactive Digital Content:

- more emphasis
- on demand learning
- interactive



National ICT Agenda



PEOPLE

- Work Culture
- ICT Skills
- Knowledge worker
- Learning Society
- United, moral & ethical

INFRASTRUCTURE

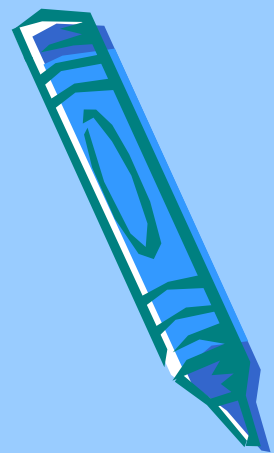
- Communication
- Fibre-Optic Cabling
- Gigabit ATM
- Satellite
- Transport/Logistic
- etc



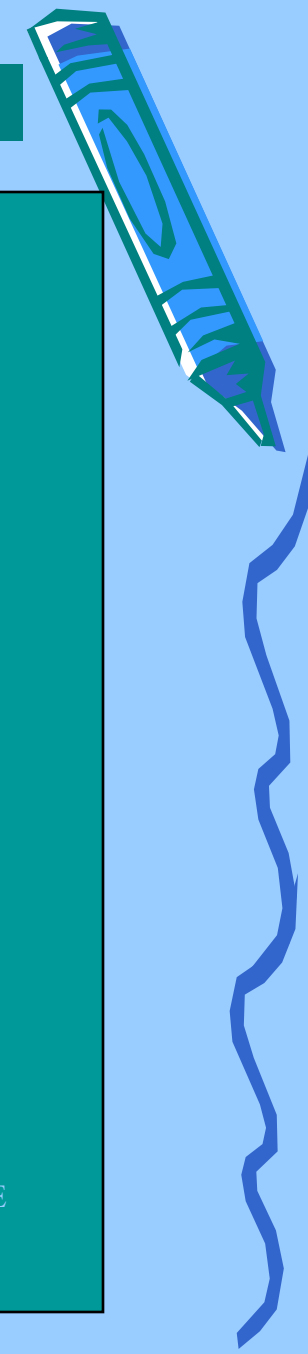
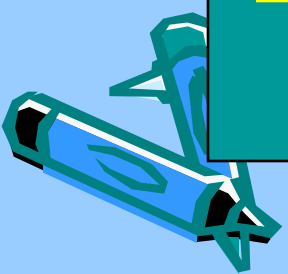
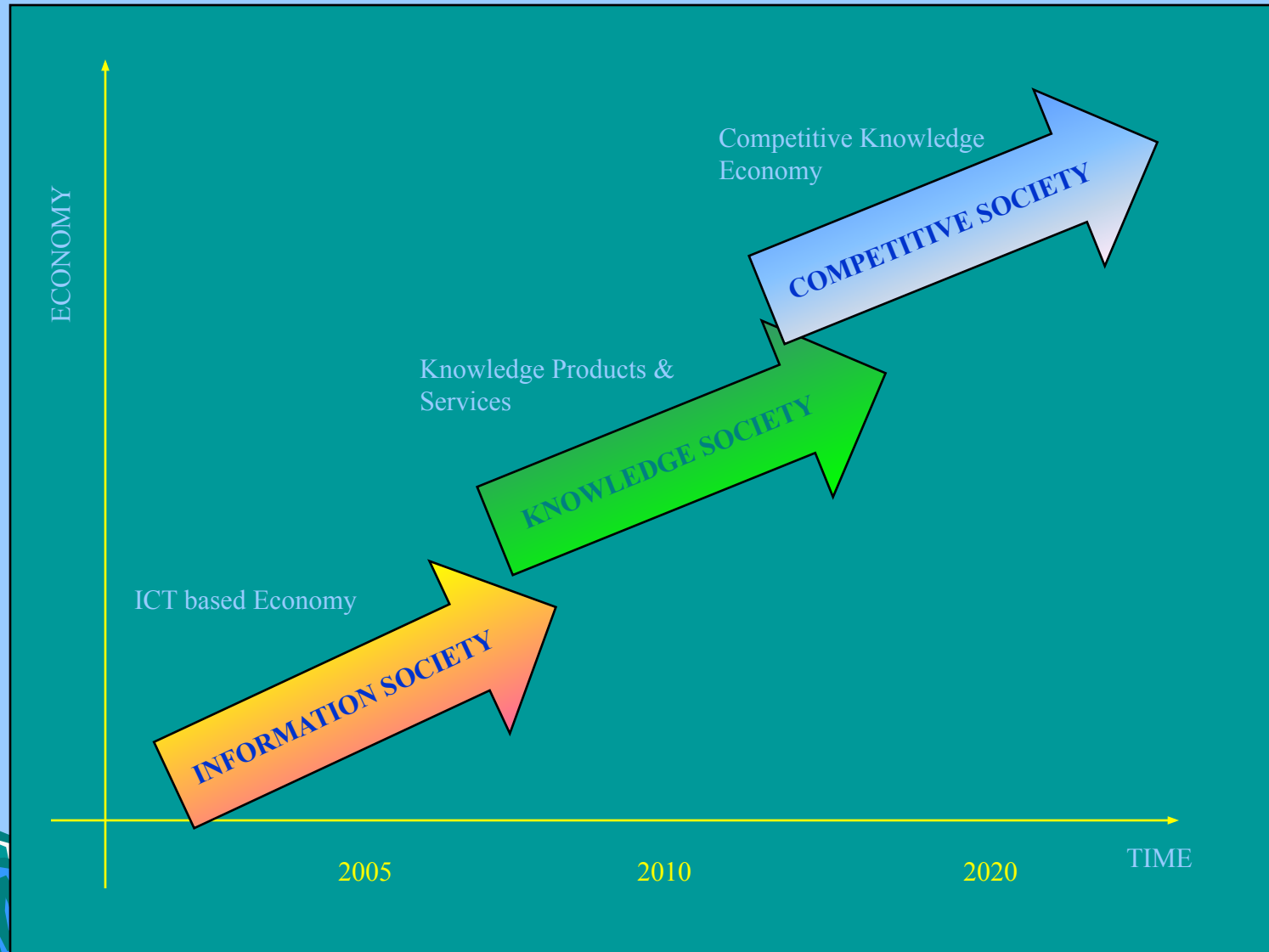
**KNOWLEDGE-BASED
ECONOMY**

APPLICATION & CONTENT

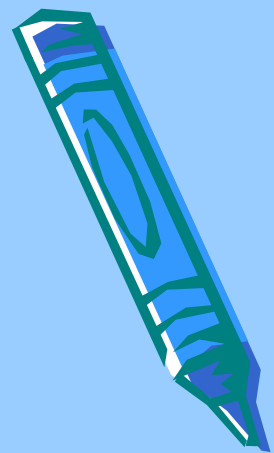
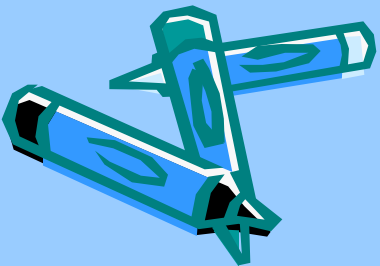
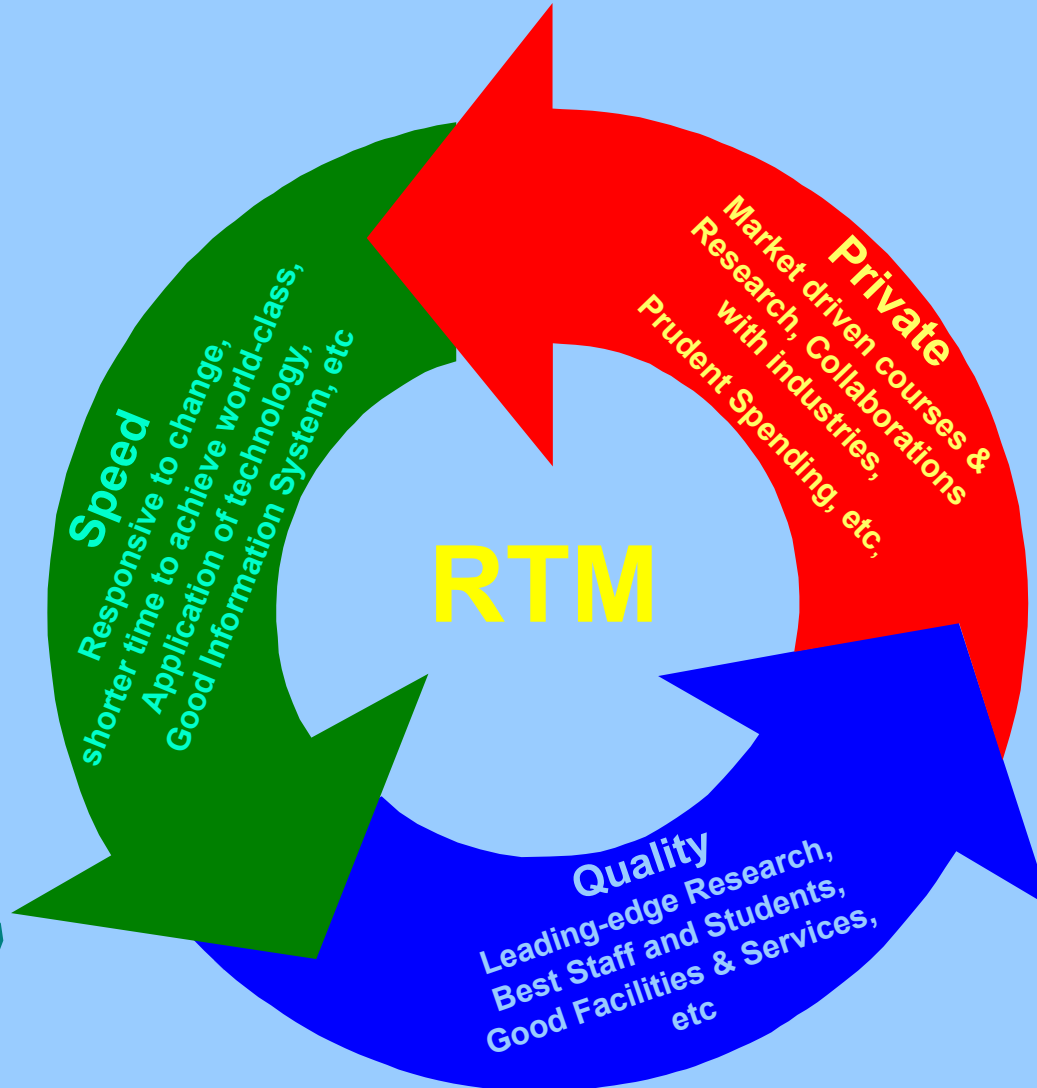
- Smart Schools
- e-govt.
- Smartcard
- Tele-medicine
- Others



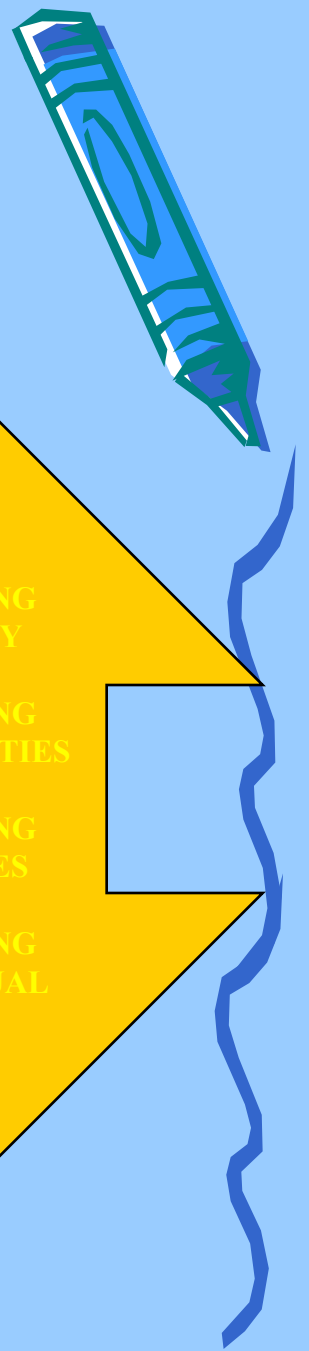
NATION'S ICT EDUCATION VISION



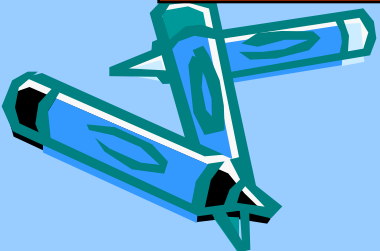
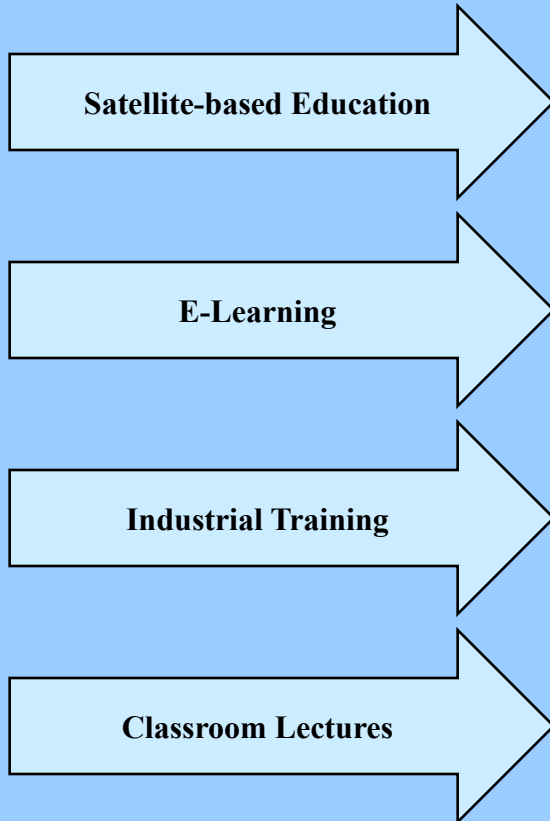
RTM Objectives



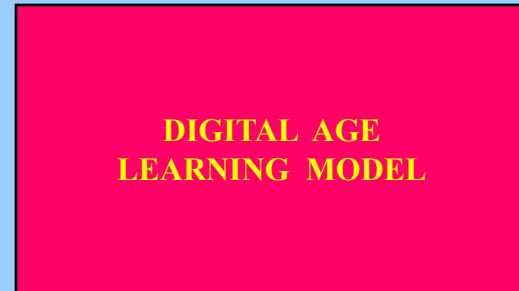
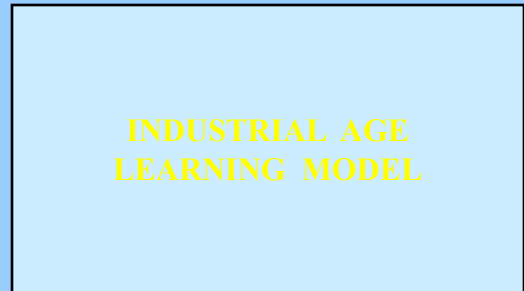
RTM: Preparing students for lifelong learning



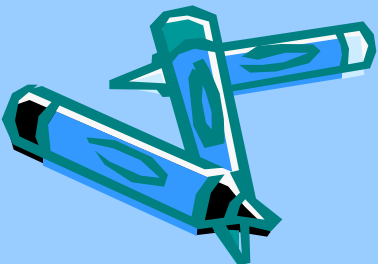
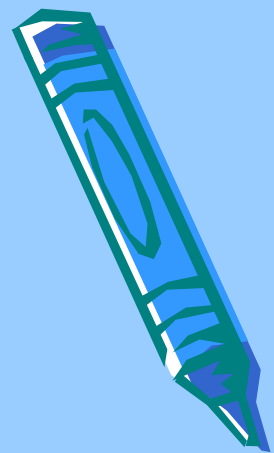
GLOBALISATION
LEARNING ORGANISATION
KNOWLEDGE ECONOMY
IMPACT OF ICT
KNOWLEDGER WORKER
COMPETITION



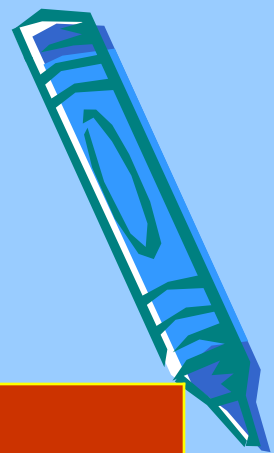
Learning models will need to change



**How do people learn in a digital environment?
Is e-learning effective?
Are learners ready?
New learning model are needed**

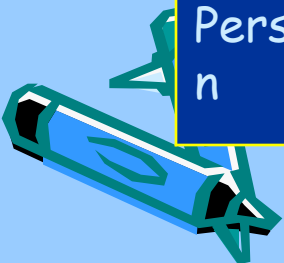


Traditional & E-learning Approach



Traditional and E-learning approaches

	Traditional Classroom	E-Learning
Classroom	<ul style="list-style-type: none">• Physical - limited size• Synchronous	<ul style="list-style-type: none">• Unlimited• Anytime, anywhere
Content	<ul style="list-style-type: none">• PowerPoint/transparency/ etc• Textbooks/library• Video• Collaboration	<ul style="list-style-type: none">• Multimedia / simulation• Digital library• On demand• Syn & Asyn. Communication
Personalisation	<ul style="list-style-type: none">• One learning path	<ul style="list-style-type: none">• Learning path and pace determined by learner



Delivery mode will change



Delivery Mode
100 : 0 (F/T)
80 : 20 (F/T)
20 : 80 (DE)



Growing student population

Increase in tuition fee

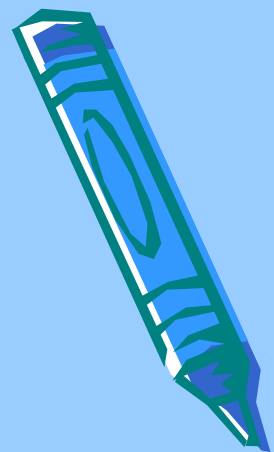
Lack of facilities and
funding



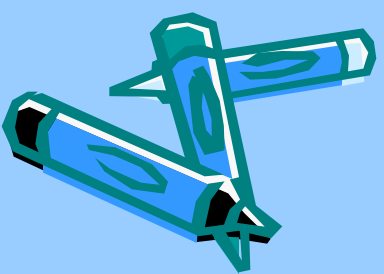
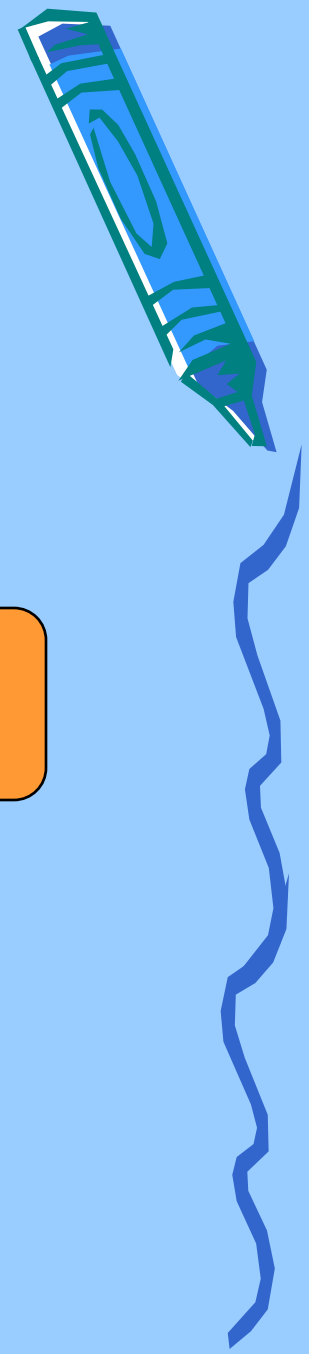
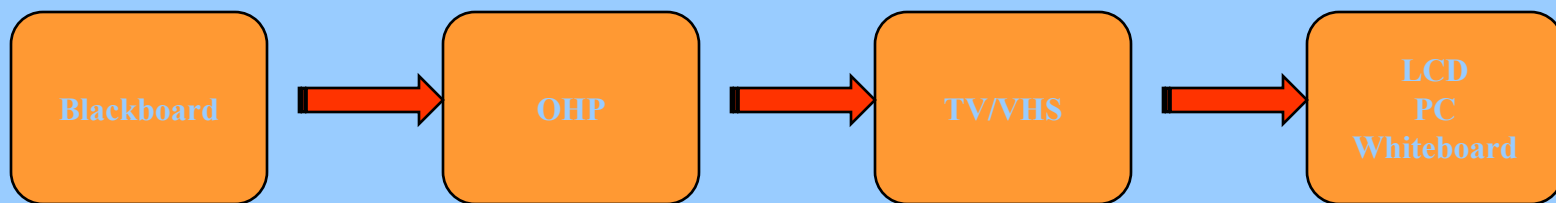
More virtual universities

Cost effective solutions
(e.g. e-learning)

Privatisation of
education

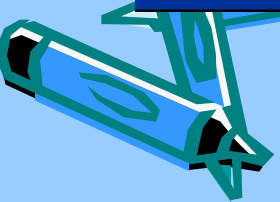



Teaching aids will change



E-learning

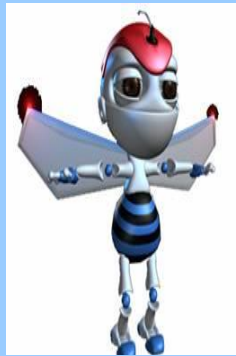


- In an on-line multimedia learning environment:
 - teaching & learning is ‘one-to-one’ (individual)
 - more interactivity (in normal classroom, it varies with the class size)
 - learner-centred
 - Learner monitoring & grading system
- 
- 

Multimedia Learning System (MMLS)

- ▣ Concept: Virtual Teacher within a virtual classroom environment
- ▣ Intelligent Learning Management System (iLMS)
- ▣ Home grown system

Web-based



**Virtual Teacher
(Learner Centred)**



Computer

Interactive

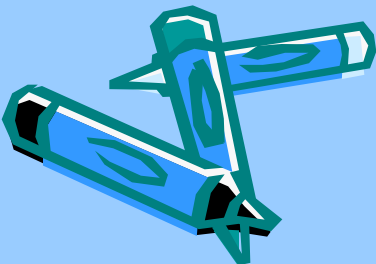
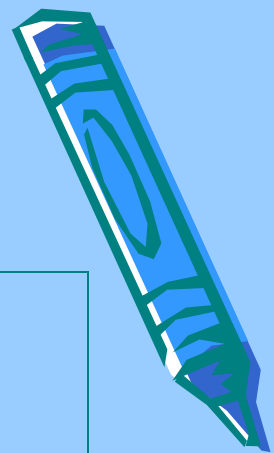
Intelligent

Multimedia

Video/Animation

Audio/Text

Graphics



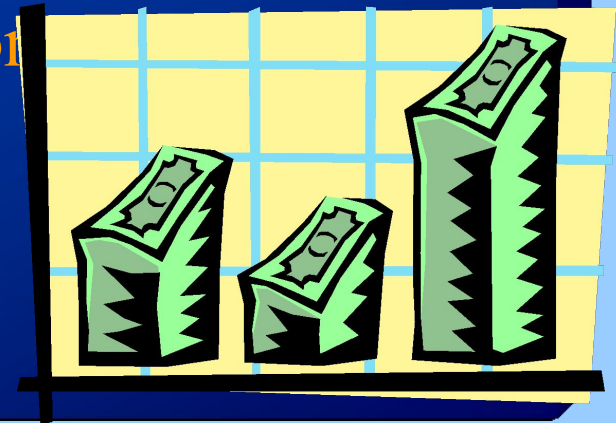
Benefits

- Convenient
 - self-service (mix and match)
 - on-demand (anytime, anywhere)
 - private learning
 - self-paced
 - Flexibility: (modular package)



Benefits

- Cost-effective
 - Virtual learning environment
 - Share lessons among schools
 - Reduce material cost
 - Reduce travel/accommodation



Benefits

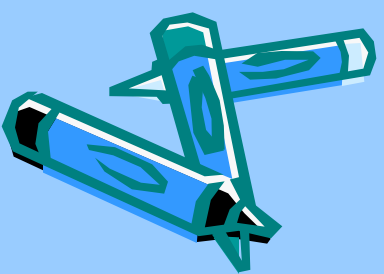
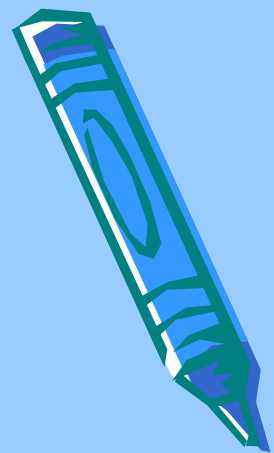
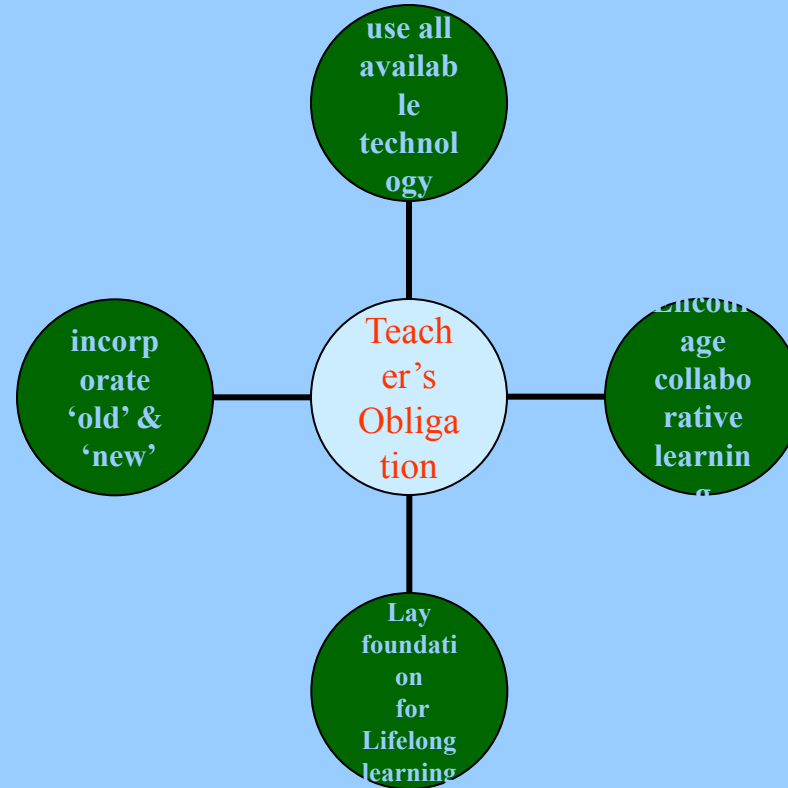
- Consistent
 - Central control of content
 - Same quality of content for all
 - Same quality of education for all



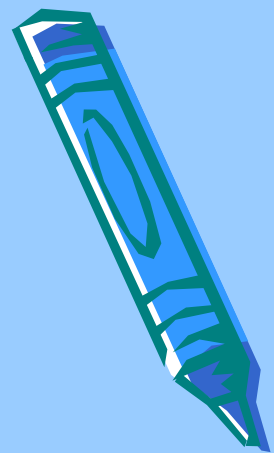
Benefits

- **media-rich**
 - Easier to understand & more engaging
- **repeatable**
 - As many times as you like
- **easier to monitor progress**
 - less administrative work
 - can be more precise

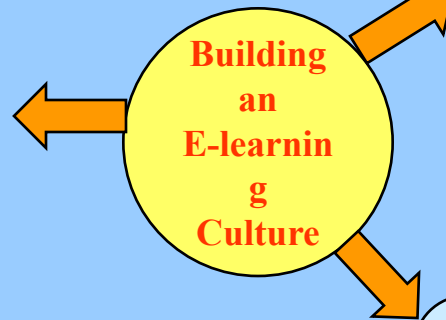
Teacher's Obligation



Building an e-learning culture

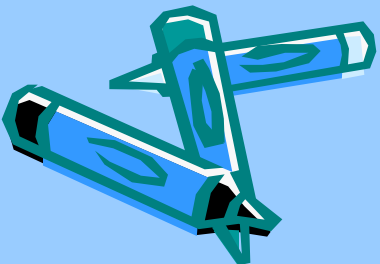


Learner:
Self-directed
Self-motivated
Self-regulating
Lifelong learning



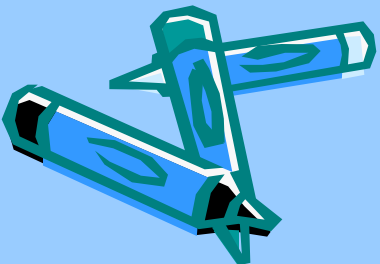
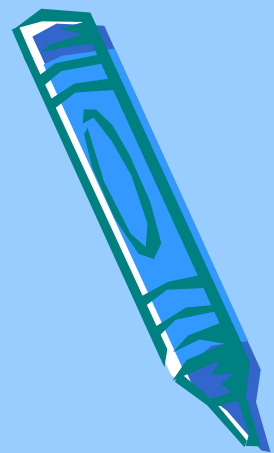
Teacher:
Develop knowledge & skills
Understand learning and its need
Facilitate learning
Create learning opportunities

Administrator:
Create Learning environment
Provide ICT infrastructure
Resources for lifelong learning



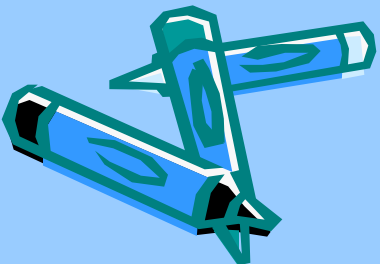
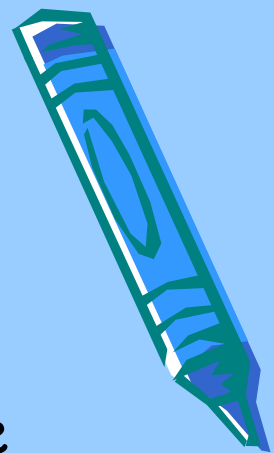
Tools: Learning Management System (LMS)

- Management of content
- Tracking students
- Administrative features
- Integration with various tools such as chat, forum, e-mail, etc.
- Reporting
- Demo... of Multimedia Learning System (MMLS)

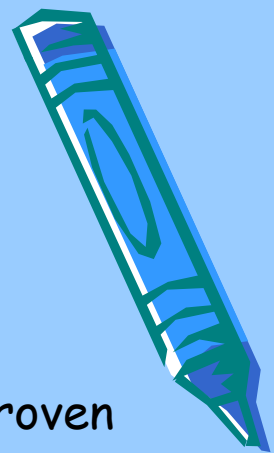


Conclusion

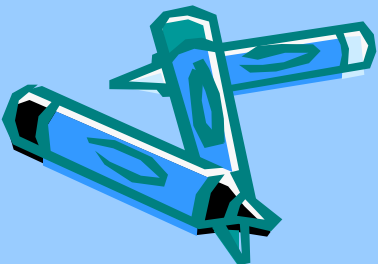
- ICT and e-learning offers opportunity to raise educational standards in schools
- Large range of ICT tools are available for teaching and learning
- Closes the gap of "Digital Divide"
- Involvement of teachers and parents is important
- Schools will need funding, access and training



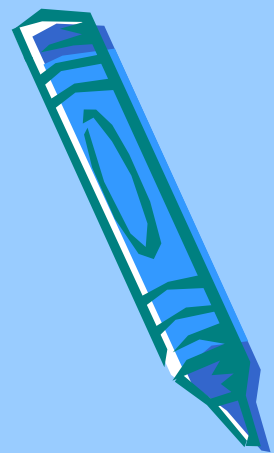
Company Profile (RTM)



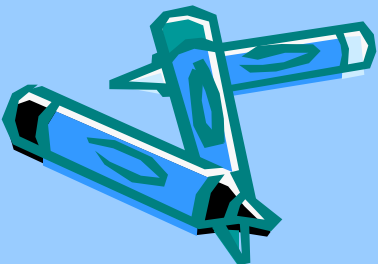
- RTM TECNOLOGIES PVT LTD a professional agency with a proven track record, adequate infrastructure and resources. We are capable to install and maintain a broad spectrum of computer machines, Network and System. Further, we have the infrastructure and professional expertise to impart technical training wherever required for the operations and maintenance system.
- RTM TECHNOLOGIE PVT LTD has a comprehensive and diverse of products including desktops, laptops, servers, lifestyle products like dig cams, plasma TV, scanner, MP3 players, 5 in 1 flash drive, Mobile jammers, security equipments, walkie-talkie, video conferencing systems the PC camera and various accessories like pen drive, mouse, etc.



VISION

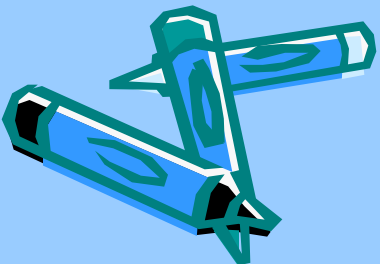
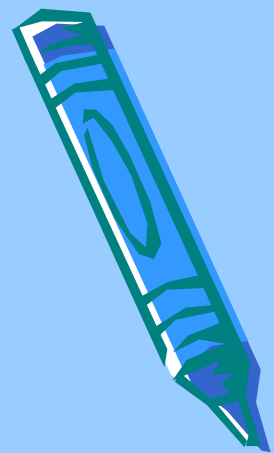


- RTM Technologies Pvt Ltd is having a vision to use I.T. and computer education as a vehicle for economic development and to create a high tech society with a high quality of life in Tamil Nadu.



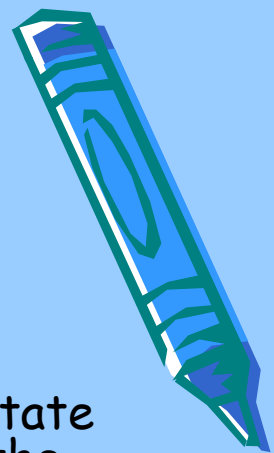
MISSION

- To bridge the digital divide in the country and increase the PC penetration providing a computer to all



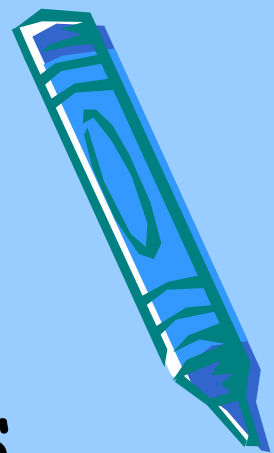
OBJECTIVES

- Growth of Software, Hardware and services industry in the state has not been consistent with the potential. The objective of the Aesthe-tech Multi Media is to support/encourage IT education and would thus be as follows:
- Bringing IT to masses especially to the Secondary and Sr. Secondary Students of Tamil Nadu.
- Accelerate the use of information technology in schools, colleges and educational institutions
- Spurring the Domestic demand for software, hardware and services
- Making Software, Electronics/IT Hardware and ITS/ITES Sectors globally competitive and thereby increasing export earnings
- Facilitating the industry for addressing global markets
- Facilitate formation of value additions for growth of the industry
- Help businesses realise full potential in creating wealth.

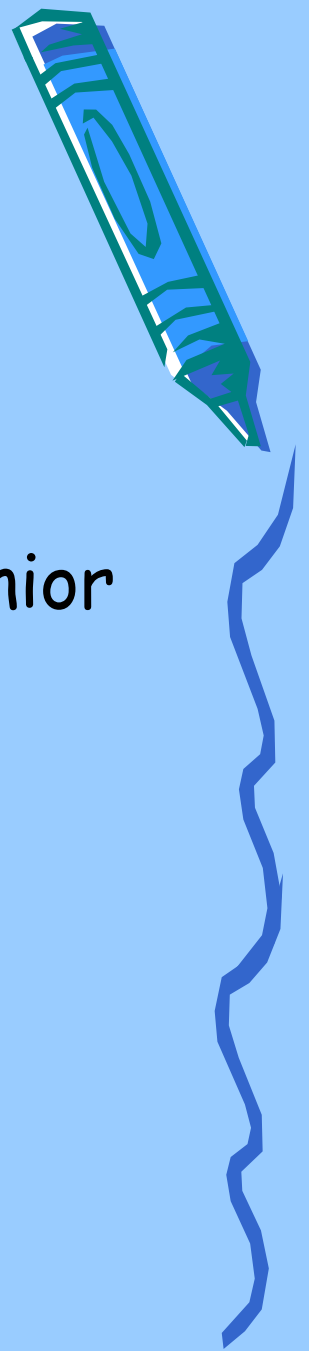


STRATEGY

- The strategy of RTM Technologies Pvt Ltd is to achieve economic growth through development of nationally and globally competitive industry by facilitation and providing confidence, dedication, purpose and a fertile ground in which investments would flourish.



AMS School Software's



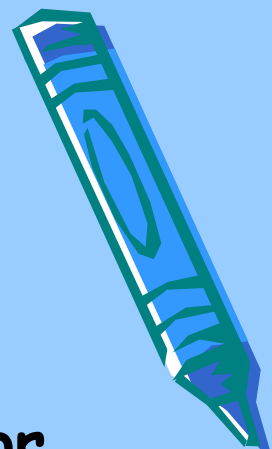
- A Package of Multimedia Educational School Software's.
- For Primary, Middle, Secondary and Senior Secondary Schools.
- The Software includes subject from Science, Math's, Languages, Social Science, Astronomy to Yoga
- Based on Global Education
- Easy to understand





Multimedia Education

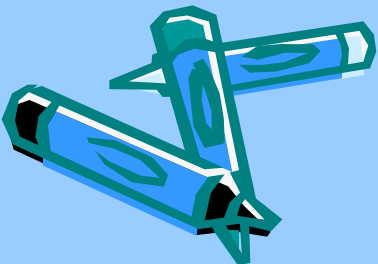
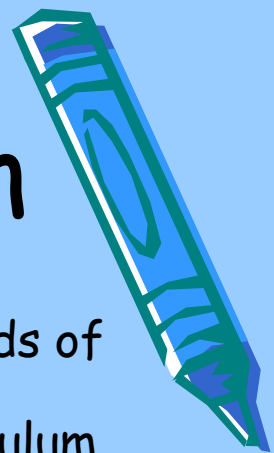
- EDUCON is a product developed specifically for Indian schools and aims to achieve the following objectives: To encourage the use of computers as a means of delivering consistently good and revolutionary education. To create and deliver content that is as good as any other international product but for use by specially Indian students. To develop a nurture a brain trust of concerned parties in the Indian educational system so as to create a product that meets all its needs as they arise. To use the most current and the complex technologies available to develop the product while keeping the user interface simple, attractive, and uncluttered. To encourage the spread of this form of education by being extremely economical and cost effective.





Multimedia Education

- EDUCON is a fully voiced, full multimedia product, with thousands of pictures, animations, videos and other features.
- EDUCON is India specific, based on Indian CBSE & State curriculum.
- EDUCON has a Teachers-Aid module to help a teacher to teach better.
- EDUCON will be upgraded monthly based on user requirements.
- EDUCON is very economical and finally.
- EDUCON is a monopoly and is likely to remain one for many years. In fact most other company use our contents as the center of their product offering.
- Essentially EDUCON is a fully configured computer deliverable multimedia software package. It is programmed to be deliverable over a number of computers connected in a local area network. The entire package is 100% based on the prescribed syllabus on the Indian school board, and in this situations, it is a unique product. Each module of the product uses full color with thousands of graphics, hundreds of videos and animations, Indian professional voices that are easy to understand for Indian children's.

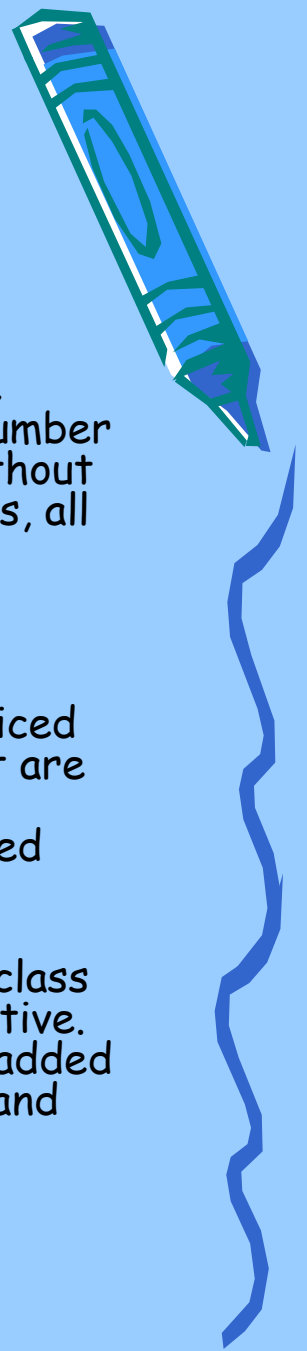


AMS with RTM

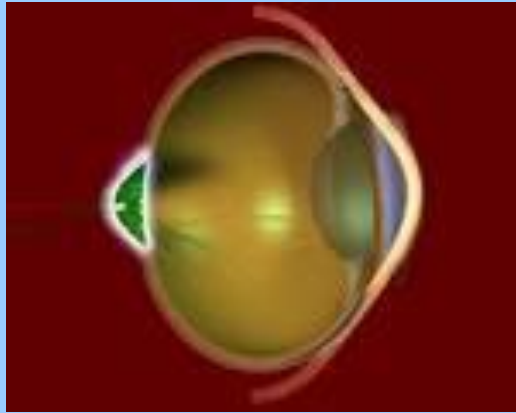
- **Easy to learn and understand**
- Students have different levels of learning and retention abilities. The programme therefore encourages learning at one's own pace. A huge number of self - assessment exercises allow the student to assess himself without an exam phobia. Thousands of pictures, videos, animations and graphics, all in full color are used to make learning easier and pleasurable.

Subject available

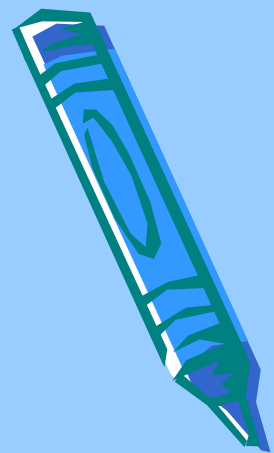
- The Teaching-aid module offers many full color, animated and fully voiced sequences that a teacher can use to explain to students concepts that are difficult to explain on blackboards. To begin with at least 100 such modules will be available and they will be added to monthly as mentioned below.
- At this point of time, these modules cover in detail, Science, and Mathematics syllabus from 3rd to 10 class. Social Science is upto 5th class and E.V.S is upto 2nd class. The coverage is comprehensive and exhaustive. The users of this product will be allowed to access a number of value added programs aimed at improvement of General Knowledge, English, Hindi and vocabulary etc.



Some Visuals of EDUCON Multimedia Software's



Some Visuals of EDUCON



If you have any queries please feel
free to Contact us at:

RTM Technologies Pvt Ltd

B-3/358, Ground Floor,

Paschim Vihar, New Delhi 110063

Tel:09899281776,09350839078,09268253100

Tel fax:011-65472815

E-mail: info@rtmindia.com, info@icynspicy.com

Website: www.rtmindia.com

Thank You

