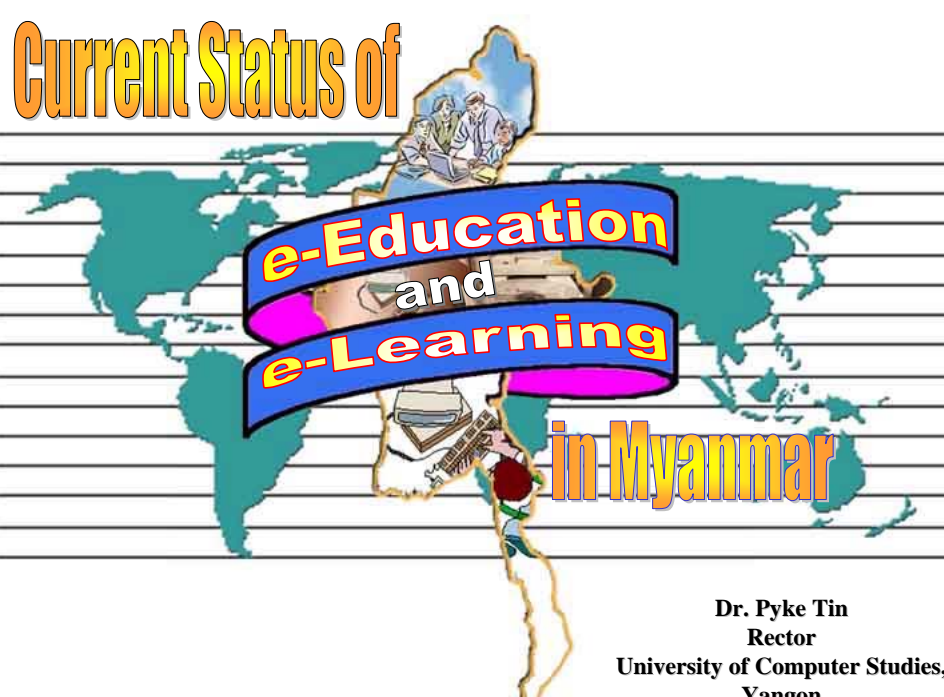


# Current Status of e-Education and e-Learning in Myanmar

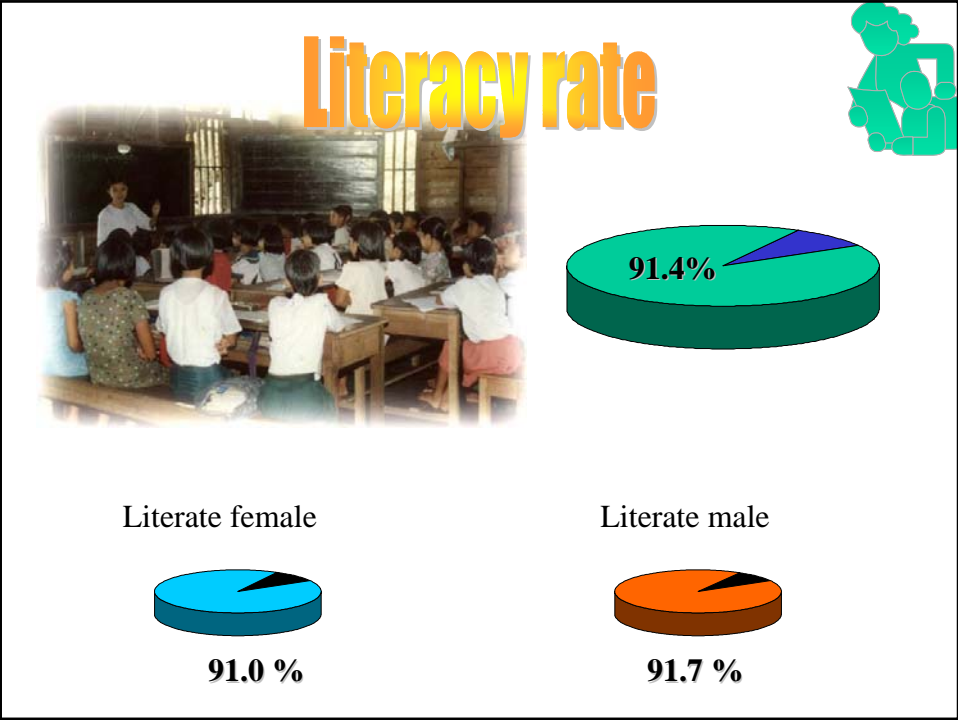


Dr. Pyke Tin  
Rector  
University of Computer Studies,  
Yangon



**Area**  
676,553 Sq. Km

**Population**  
51 millions



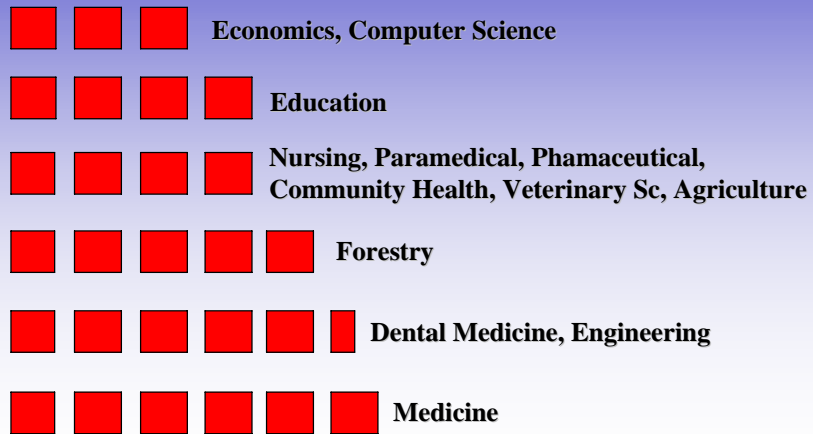
## Education Structure

### *Basic Education*

Age	5+	6+	7+	8+	9+	10+	11+	12+	13+	14+	15+	
Grade	<b>Kg</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	Higher Education
	Primary 5					Middle 4				High 2		

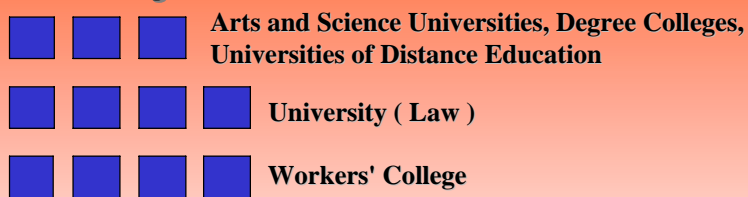
# Education Structure

## Higher Education

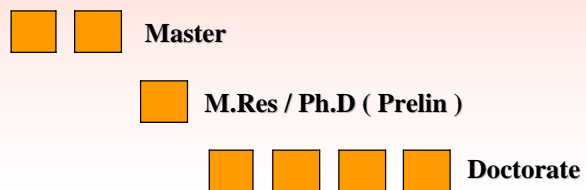


# University and Colleges

## First Degree



## Post-Graduate Degree



# Myanmar Education Vision

*To create an education system that can generate a learning society capable of facing the challenges of the Knowledge Age.*



- ✓ To accomplish the Vision and the Objectives of the Long Term Education Promotion plan
- ✓ to create a highly qualified human resource in Myanmar

**new Basic Education Schools are established**

**Higher Learning institutions are being upgraded and new ones are established**

**according to the needs of the regional development.**

**Number of Basic Education Schools  
(2002-2003)**

High	Middle	Primary	Total
1,738	5,512	32,749	39,999



**Number of Students at Basic Education  
(2002-2003)**

High	Middle	Primary	Total
632,663	1,921,676	4,929,635	7,483,974



### Number of Teachers at Basic Education (2002-2003)

High	Middle	Primary	Total
18,288	56,543	145,679	220,510



### A National IT Policy

Country's National Information Infrastructure (NII)

will be needed

as a foundation layer

to construct a comprehensive GII.





In legal aspect

**The State Peace and Development Council  
has established:**

( 1 )

*The National Science and Technology  
Development Law*

( 2 )

*Computer Science Development Law.*

Under the provision of these laws

**The State Peace and Development Council  
has also formed:**

( 1 )

*The National Council for the Development of  
Science and Technology,*

( 2 )

*The National Computer Development Council  
for the Promotion of IT*



It is necessary  
to establish a

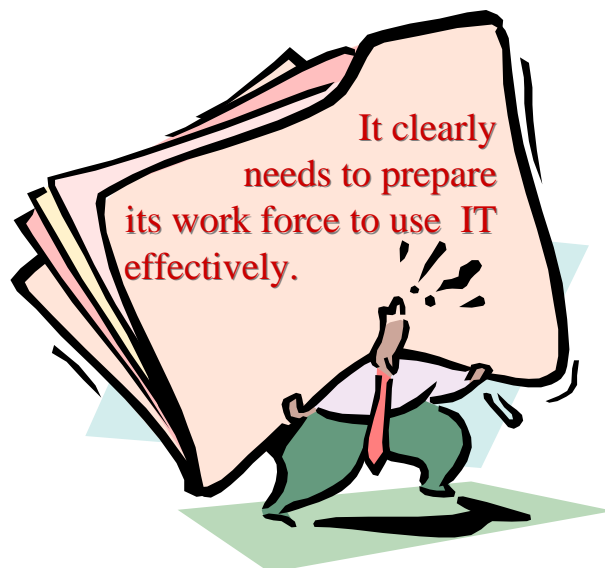
National Information Infrastructure (NII)  
in order to link with




e-ASEAN

**A decisive factor  
in the success of IT development**

**Making  
full  
use of  
human  
potential**






A graphic showing a black spiral-bound notebook with 'IT Master Plan' written on it in gold. The notebook is positioned in front of a blue grid pattern that resembles a building facade. Several black arrows point towards the notebook from the top and sides. The background is a light green gradient.

**IT Master Plan**


- ICT Infrastructure
- ICT Legal Infrastructure
- ICT Education
- ICT Application
- ICT Industry

### E-Education and e-Learning Initiatives in Myanmar

A hand holding a small globe of the Earth, with a blue grid pattern in the background.

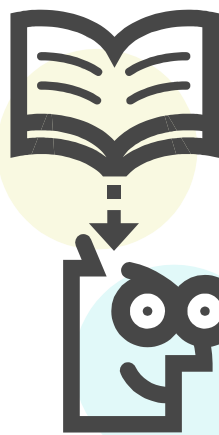
*Several developments necessitated*

- ✓ *the need to meet the challenges of the Information Age ( especially IT literate population )*
- ✓ *the Multimedia Schools are built and begin operations since 1996*

A desktop computer system including a monitor, keyboard, and mouse. The monitor displays a web page with text and images.

**Key components in IT education are:**

- (i) To conduct research on how to apply IT in education and training.**
- (ii) To established IT department at the universities to explore the possibility of further education programs at the professional level.**
- (iii) To develop all forms of training, disseminate knowledge and tech the use of computer as a working tool for part of the labor force.**
- (iv) To formulate and implement a plan for IT education that would ensure that all pupils in high school, and above receive training in IT and have the opportunity to practice using computers.**



**New curricular emphases are:**

- Knowledge acquisition**
- Analytical, creative thinking and the ability to make decisions and solve problems**
- IT competency**
- Proficiency in an international language**

# Formal ICT education

24 government computer colleges were opened in states and divisions in addition to Universities of Computer Studies, one in Yangon in Lower Myanmar and another in Mandalay under Ministry of Science and Technologies.



*Diploma, Bachelor, Master, Doctorate courses on ICT*

*and*

*Undergraduate ICT courses.*

## e-Education

Traditional instructor-led training



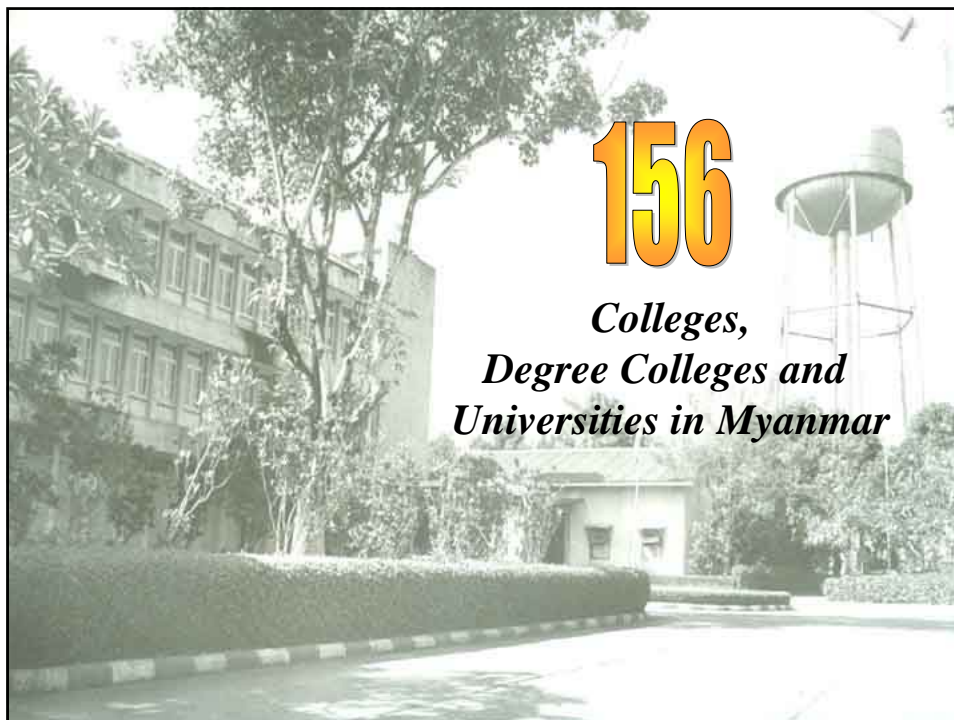
riches of computer-based training



**Multimedia classrooms were established  
in schools and higher institutions**



**more than 1000 basic educations  
schools have been provided multimedia  
class rooms ( 2002 )**



**Number of e-Learning Centres established in  
(2000-2001 and 2002-2003)**

<b>Academic year</b>	<b>Universities, Degree Colleges, Colleges</b>	<b>Basic Education School</b>	<b>Total</b>
<b>2000-2001</b>	<b>( 59 + 7 ) 66</b>	<b>( 144 + 94 ) 238</b>	<b>304</b>
<b>2001-2002</b>	<b>3</b>	<b>8</b>	<b>11</b>
<b>2002-2003</b>	<b>-</b>	<b>140</b>	<b>140</b>
<b>Total</b>	<b>69</b>	<b>386</b>	<b>455</b>



**Data Broadcasting System for e-Learning**

Data broadcasting system used Internet Protocol (WAN)

Used wireless and satellite communication

Main server was located at Myanmar TV office

Wireless communication between University of Distance Education (UDE) and MRTV office

By using Thai Com-3 Satellite

One way communication between UDE and learning centres are made.



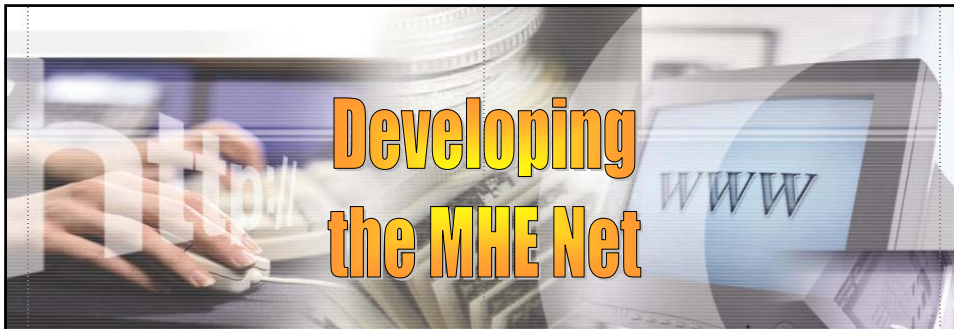
**Very Small Aperture Terminal (VSAT) and iPStar Broad Band Network were introduced for the whole country.**

**e-Learning centres were upgraded to two-way communication system or the interactive system.**



**Myanmar Education Network, utilizing VSAT and iPStar was established in Oct 2001.**

**These e-Learning centres are to be installed at Universities, Colleges and college departments.**



**Myanmar Higher Education Network (MHE Net)  
that will link all the higher institutions  
with the Intranet.**

**Education Portal Development**

- ✓ **Edutal ( Education Portal ) was developed by local web developers.**
- ✓ **Web based education system**
- ✓ **The facilities to access not only for the educator but the all level of the students also for e-Learning system.**

**Edutal**

- About Edutal
- Contact Us
- FAQ

**EduNet**

- About EduNet
- Plan
- Rules
- Activities
- Contact
- MOE
- Multicasting

**StudentNet**

- About StudentNet
- Chat
- Discussions
- Email

**SchoolNet**

- About SchoolNet
- School Directory
- Search School

**Search**

- School Directory
- MOE Directory
- Student Directory
- Edutal Contact

**EducationPortals**

**edutal** StudentNet

edutal.net edutal EduNet StudentNet SchoolNet Search

Mail | Forums | Chat | Learning | Highlight Students | Login | Research Tools

Edutal

EduNet

StudentNet

- About StudentNet
- Chat
- Discussions
- Email

SchoolNet

Search

StudentNet

**edutal** SchoolNet

edutal.net edutal EduNet StudentNet SchoolNet Search

Schools | Donations | Rules | Register | Login

Edutal

EduNet

StudentNet

SchoolNet

- About SchoolNet
- School Directory
- Search School

Search

SchoolNet





**Active Member of SOI-Asia Japan  
ASEAN Exchange Project.**

- **Based on METI assistance develop SOI Asia project (2001~2003)**
- **Enjoying many lectures concerning high quality University level education.**
- **The distribution of live lectures of Professors from Japan Universities.**
- **MoU between KEIO University and UCSY**
- **Joint Ph.D Programme between KEIO and UCSY has been setup**
- **This was due to effort of Professor J. Murai**
- **METI support for this joint degree Ph.D programme will be appreciated**

The logo for JAIST (Japan Advanced Institute of Science and Technology) features the letters 'JAIST' in a stylized, blue, serif font. A green dot is positioned below the 'J', and a green line curves around the 'A'.

- **MoU between JAIST and UCSY**
- **Interactive discussion between Professors and participants in Myanmar.**
- **Exchanging knowledge with other participants from ASEAN countries.**
- **Learning many archived lectures at any time**

## **2004 Courses ( e-Learning through SOI Asia )**

- **Advanced Internet Technology course II**
  - **April ~ May, October ~ November**
- **Fisheries**
  - **September ~ October**
- **Bio-Tech bio tech/bio informatics**
  - **February ~ March**
- **Engineering**
  - **June ~ August**

## **Myanmar-Japan e-Learning centre**

*Established in Myanmar in 2001*

**Under MoU between METI & e-Task Force**

*Provides training courses for Japan  
Information Technology Engineer Examination  
(JITEE)*




## **Smart Schools Systems**

Three schools in Myanmar, have been selected to participate in Smart School Project. Another 100 schools start to upgrade to Smart School in this school year.

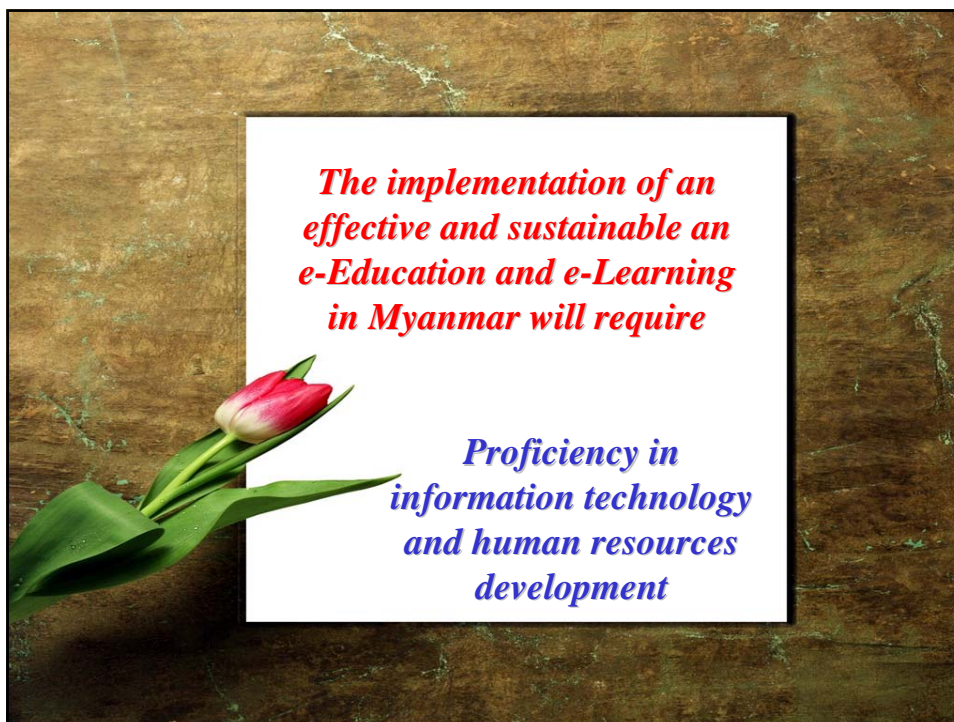


Established in 2002 with the support from Malaysia.



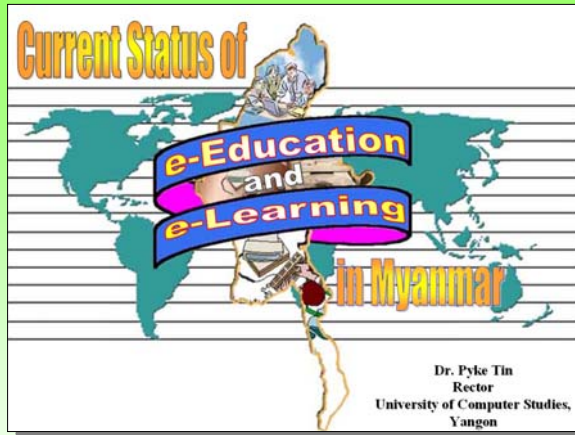
**Conclusion**

*Institutions  
Plays  
A major role*



*The implementation of an  
effective and sustainable an  
e-Education and e-Learning  
in Myanmar will require*

*Proficiency in  
information technology  
and human resources  
development*



*Thanks for your attention.*