



**The Abdus Salam
International Centre for Theoretical Physics**



1962-33

Joint ICTP-IAEA School of Nuclear Knowledge Management

1 - 5 September 2008

Preservation and Dissemination of Nuclear Knowledge with an Educational Cyber Platform

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Asian Network for Education in Nuclear Technology (ANENT Cyber platform)

K.Hanamitsu, A.Pryakhin, IAEA

**School of Nuclear Knowledge Management
1-5 September 2008, Trieste, Italy**

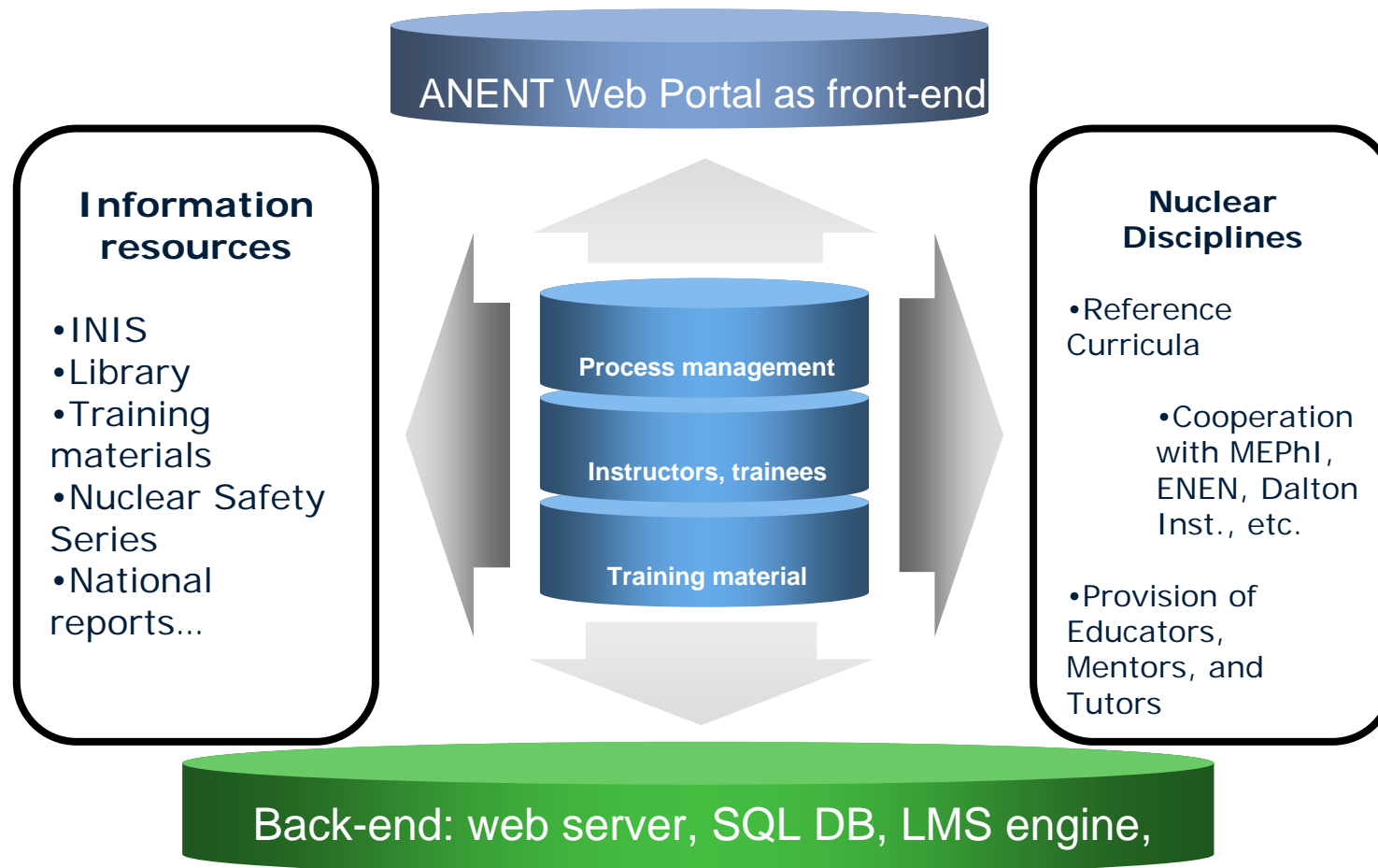
Objectives

- ❖ Discuss the purpose and objectives of ANENT Cyber platform
- ❖ Explain Overall Architecture of the ANENT Cyber Platform
- ❖ Demonstrate basic functions

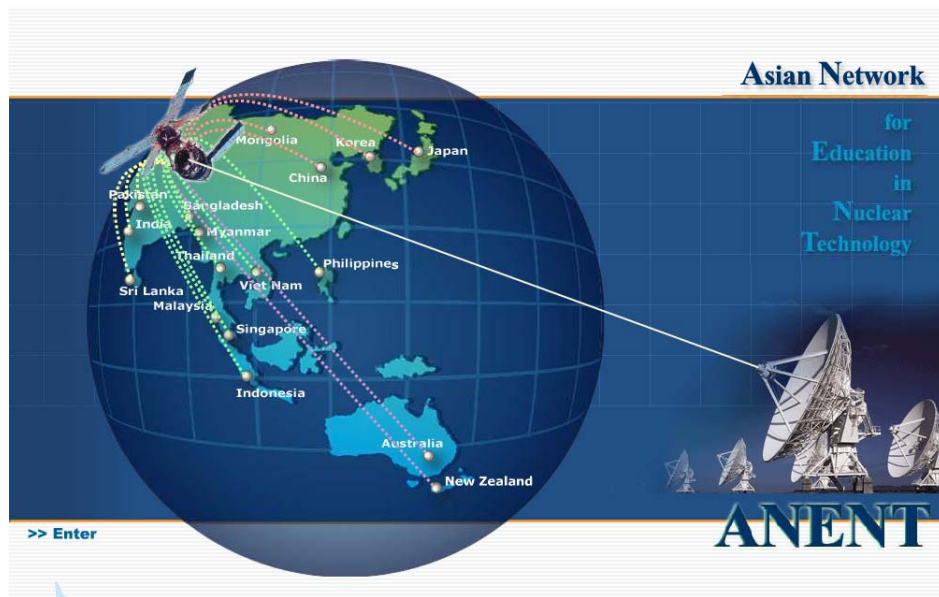
ANENT Cyber Platform Activities

- 1 Exchange of Information and Material
- 2 Exchange of Students, Teachers and Researches
- 3 **Cyber Learning (C-Learning)**
- 4 Reference Curricula, Credit Transfer and Mutual Recognition of Degree
- 5 Liason with Other Networks and Organizations

ANENT Cyber Platform Architecture



ANENT Web Portal



<http://www.anent-iaea.org>

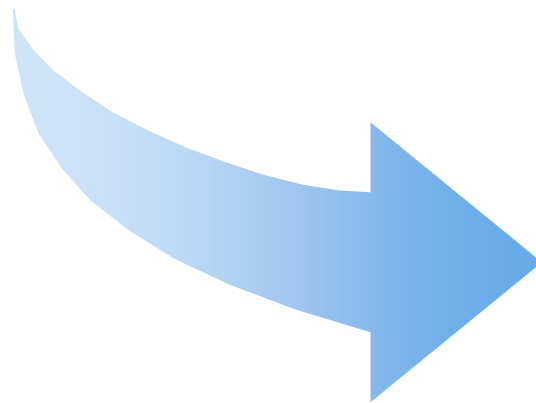


Key features of ANENT Cyber Platform

- ❖ A database provides data on curricula from ANENT member institutions
- ❖ “Activities” support each ANENT group activities
- ❖ A cyber platform supports various types of web-based learning formats and interfaces
- ❖ The other functions facilitate information exchange

The screenshot displays the ANENT Cyber Platform website. The header includes navigation links: HOME, JOIN, SYSTEM MANAGEMENT, LOGIN, LOGOUT, SITEMAP, CONTACT US. Below the header is a navigation bar with links: About ANENT, Activities, NET Database, Related Events, Board, Link, Photo Album. The main content area features a central diagram with a 'Database on Nuclear Education & Training' at the center, surrounded by five 'Activity' nodes: Activity 1 (Exchange of Information and Materials), Activity 2 (Exchange of Students, Teachers and Researchers), Activity 3 (Distance Learning), Activity 4 (Establishment of Reference Curricula, Credit Transfer and Mutual Recognition of Degree), and Activity 5 (Liaison with Other Networks and Organizations). A 'Coordination Committee' node is also present. The left sidebar lists IAEA, IAEA KM, INIS, and Cyber Learning. The right sidebar shows 'Latest News' and 'ANENT in Pictures' with a photo of a meeting. The footer contains copyright information: © COPYRIGHT © 2004 ANENT. ALL RIGHT RESERVED : KOREA ATOMIC ENERGY RESEARCH INSTITUTE : P.O.BOX 106, YUSEONG DAEJEON, KOREA, 305-600.

ANENT Cyber Learning



4x4 Matrix for Cyber Learning

Groups of customers:

- Learner
- Lecturer
- Course Manager
- General Manager



Learning Process Phases

- Course Availability
- Course Registration
- Learning
- Post-Learning

Cyber Platform – Learner workflow (1)

Welcome administrator Kim !

HOME : LOGOUT : SITEMAP : HELP

ANENT Cyber-Learning
Asian Network for Education in Nuclear Technology

Introduction | Course Availability | Registration | Learning | Post-Learning

Learner

My Learning Room

Introduction

- Object & Function
- Learning Management Process

Software DOWNLOAD

ANENT HOME

1 Course Availability

- General
- Courses by Field

2 Course Registration

- Registration Form
- My Registration List

3 Learning

- Notice
- Forum
- My Course List
 - Notice
 - Forum
 - FAQ
 - Schedule
 - File Storage
 - Survey
 - Homework
 - Contents Player
- My Learning Result

4 Post-learning

- My Learning Result
- Grade Report / Certificate

Notice more ▶

- ▶ test [2006-07-10]
- ▶ ge [2006-07-07]
- ▶ asgas [2006-07-07]

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Cyber Platform – Lecturer workflow (2)

Welcome administrator Kim ! HOME : LOGOUT : SITEMAP : HELP

ANENT Cyber-Learning
Asian Network for Education in Nuclear Technology

Introduction | **Lecture Preparation** | Registration | Lecture Delivery | Post-Learning

Lecturer

My Lecturing Room

Introduction

- Objective & Function
- Learning Management Process

Software DOWNLOAD

ANENT HOME

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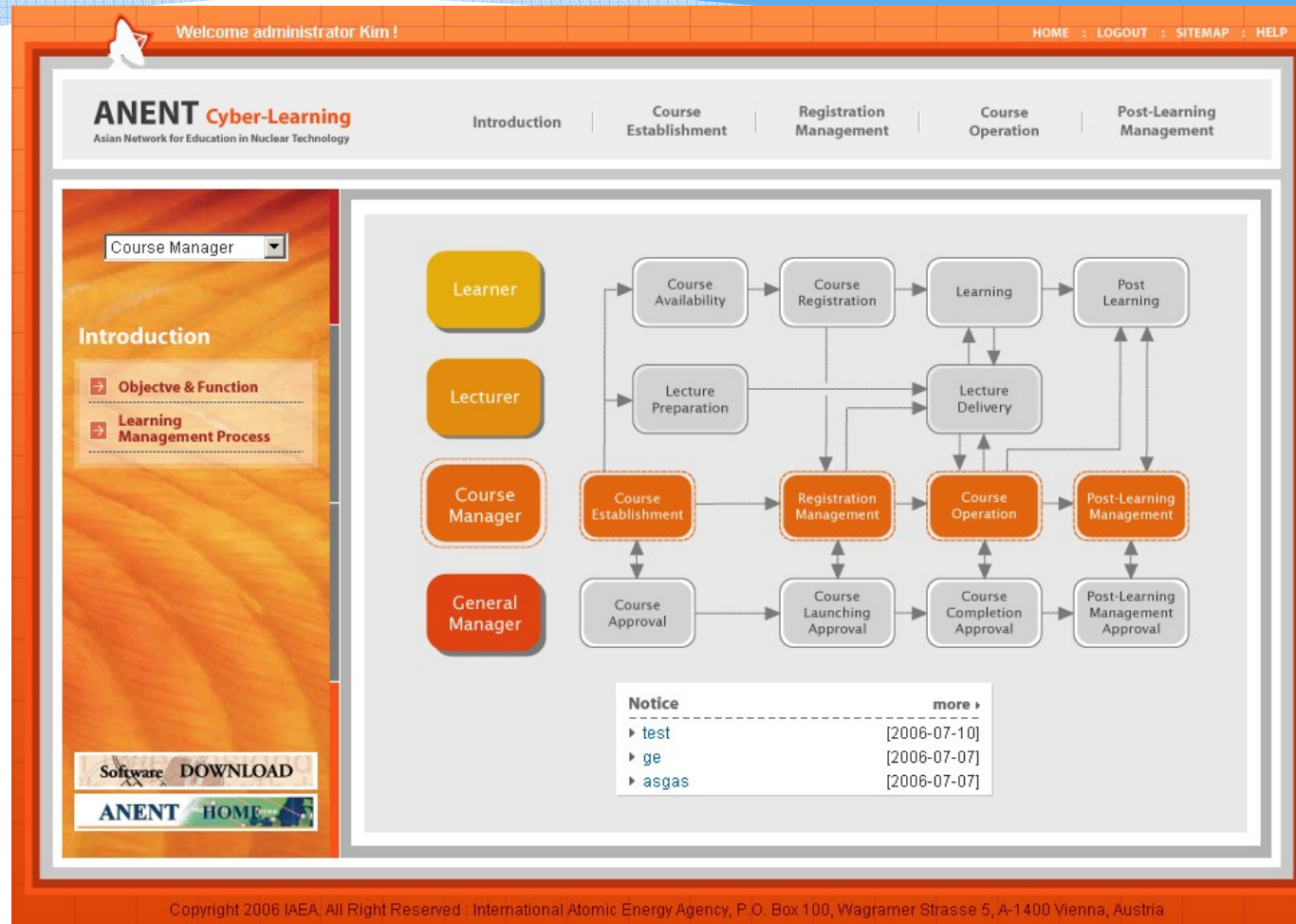
graph TD
    subgraph Learner
        LA[Course Availability] --> LR[Learning]
        LP[Post Learning]
    end
    subgraph Lecturer
        LEP[Lecture Preparation] --> LD[Lecture Delivery]
    end
    subgraph Course_Manager
        CE[Course Establishment] --> RM[Registration Management]
        CO[Course Operation] --> PLM[Post-Learning Management]
    end
    subgraph General_Manager
        CA[Course Approval] --> CLA[Course Launching Approval]
        CCA[Course Completion Approval] --> PLMA[Post-Learning Management Approval]
    end
    LA --> CR[Course Registration]
    CR --> LD
    LD --> LR
    LD --> PL
    LD --> PLM
    LD --> PLMA
    CE --> RM
    RM --> CO
    CO --> PLM
    CA --> CLA
    CLA --> CCA
    CCA --> PLMA
    
```

Notice more >

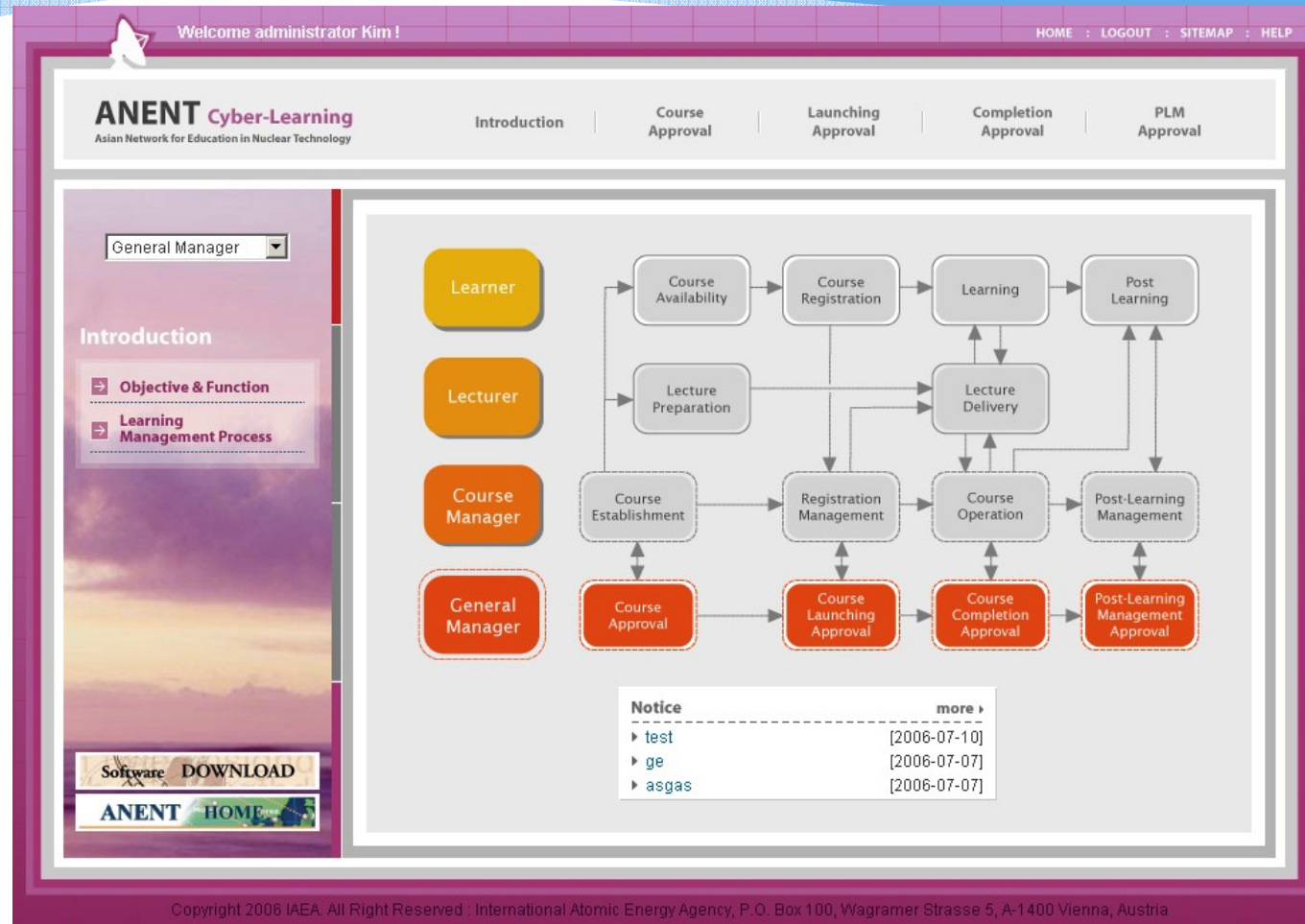
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Cyber Platform – Course Manager workflow (3)



Cyber Platform – General Manager workflow (4)



C-Learning Knowledge Areas (Targets)

1. [Nuclear Engineering](#)
2. [Nuclear Medicine](#)
3. [Energy Planning](#)
4. [Common courses](#)
5. [Others](#)





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International Atomic Energy Agency
Atoms for Peace



Thank You !

www.iaea.org

