

Information Storage and Management

The EMC Academic Alliance program offers the only storage technology course—Information Storage and Management (ISM)—designed to fill the skills gap resulting from the growing volume and complexity of data creation. This "open" course prepares students to design, implement, and manage complex storage infrastructures.

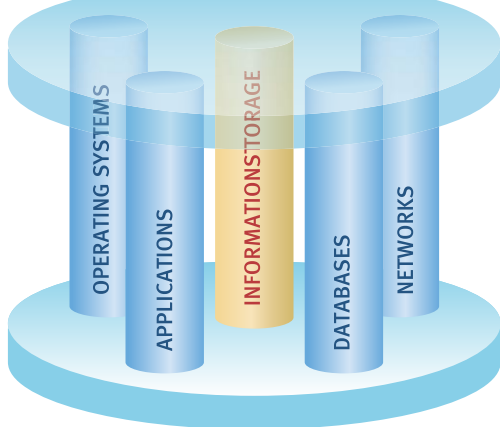
Until now, there has been little or no focus on building information storage expertise in the industry.

ISM provides the basis for understanding how storage infrastructure complements networks, applications, databases, and operating systems in today's IT architectures.

Information Storage and Management aligns with the Associate-level certification in the EMC Proven™ Professional Program.

EMC Proven Professional is the information storage and management industry's most comprehensive training and certification program.

PILLARS OF INFORMATION TECHNOLOGY



“Manipal Institute of Technology was the first academy to join EMC Academic Alliance Program in India. Over the years, I have taught more than 400 students on Storage Technology Foundations. The course has certainly enhanced the employment opportunities of our students. EAA provided a good source of information for all of us and has been generous enough to extend its helping hands whenever required. I acknowledge the excellent services rendered through EMC Academic Alliance Program and look forward to scaling new heights.”

**Prof. S N Bhat,
Manipal Institute of Technology**

Event Host & Partner:



**Department of Information Technology,
Thiagarajar College Of Engineering,
Madurai 625 01, Tamilnadu
INDIA**

Date : 26 – 30 December 2011

Subject Code :

Anna University - Madurai
MCA IV Semester
Storage Management Technologies
(10377MCE11)

Anna University - Trichy
MCA IV Semester
CA5273 Network Storage Management

Developing Tomorrow's Information Storage Professionals Today

EMC is bringing its award-winning education to leading colleges and universities around the world.



EMC at a Glance:

EMC is a global leader in enabling businesses and service providers to transform their operations and deliver Information echnology as a service. Fundamental to this transformation is cloud computing. Through innovative products and services, EMC accelerates the journey to cloud computing, helping IT departments to store, manage, protect and analyze their most valuable asset — information — in a more agile, trusted and cost-efficient way.

EMC ranks 152 in the Fortune 500 based on total consolidated revenue of \$17 billion in 2010, the largest revenue year in EMC's 30+ year history.

How will business and industry manage information growth with a limited pool of skilled professionals?

Did you know...

Storage spending is growing at twice the rate of IT.

Course Outline

Using case studies and examples, students will simulate the choices and risks storage professionals face daily.

Introduction to Storage Technology

- The Proliferation of Data
- The Data Center Evolution
- Managing Complexity
- Storage Infrastructure
- Evolution of Storage

Storage Systems Architecture

- Storage Systems
- Intelligent Disk Subsystems
- Physical Disks
- The Host Environment

Introduction to Network Storage

- Storage Networking Overview
- Direct-Attached Storage
- Storage Area Networks
- Network-Attached Storage
- IP SAN
- Content-Addressed Storage
- Emerging Technologies

Business Continuity

- Backup and Recovery
- Local Replication
- Remote Replication
- Disaster Recovery

Managing and Monitoring

- Monitoring in the Data Center
- Managing in the Data Center

Securing Storage and Storage Virtualization

- Information Security and Identity
- Storage Virtualization Technologies

EMC Academic Alliance Program

The EMC Academic Alliance program, a collaboration with colleges and universities around the globe, was created to address the skills gap resulting from the growing volume and complexity of data. The program's Information Storage and Management course represents the next wave of in-demand IT expertise. This "open" course focuses on storage concepts, not product specifics, to provide broad knowledge and understanding of complex data center environments.

Position your school as an IT thought-leader by joining the EMC Academic Alliance. Offer your students a course that will prepare them to plan, deploy, and manage today's complex storage infrastructures.

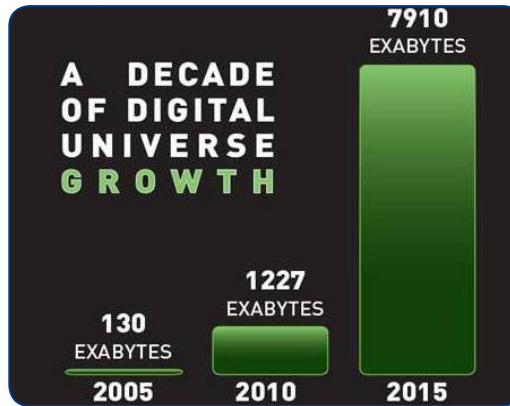
Digital information is being created at an ever increasing rate, spurring a demand for data storage and professionals proficient in managing storage environments.

Storage Trends and Challenges

The sharp increase in data creation—and heightened importance of storing, protecting, and managing it—has elevated information storage as a central function of IT infrastructure, interacting with all other key functions. Increased network complexity and the need to understand interrelationships between network elements place greater emphasis on planning and implementation of information storage and management infrastructure.

EMC and participating institutions are responding to the challenge of preparing the next-generation of IT professionals to lead the transformation of the data center. Our goal is to teach an integrated model to educate students on storage infrastructure components to optimize performance, flexibility, and management.

"The amount of information managed by enterprise data centers will grow by a factor of 50, and the number of files the data center will have to deal with will grow by a factor of 75, at least. Meanwhile, the number of IT professionals in the world will grow by less than a factor of 1.5."



Did you know...

A recent survey revealed that IT managers prefer to hire degreed and certified IT professionals.

Source: IDC's Digital Universe Study, sponsored by EMC, June 2011