



**SP.772: Internet Technology in Local and  
Global Communities**

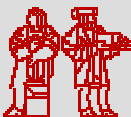
**March 7, 2005**

**Lecture 1: Introduction**

# Presentation Outline

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- Introduction To MIT-AITI
  - MIT-AITI Movie Clip
- Summer 2005 AITI Program
  - SP.772 – General Information
- Meet and Greet
  - Meet your 2005 teams!



# What is MIT-AITI?

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- A student-run initiative at MIT
- MIT students sent to Africa during summer to teach IT-related classes to university students
- Goals:
  - i. Increase **utilization of IT** in African schools
  - ii. Develop a **long-term technical and cultural relationship** between MIT and African institutions
  - iii. Provide MIT students with **community service opportunities** for their **strong engineering backgrounds**



# Implementation

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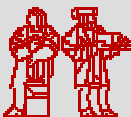
- The courses are **taught by MIT students** who are selected from all disciplines in MIT.
- The courses are offered over the summer for a **period of 6 weeks**.
- **High demand at MIT:** receive over 100 applications each year
- **High demand in Africa:** waiting list for class



# Program content

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- AITI offers **courses** in:
  - Java,
  - Java Server Pages (JSP),
  - LINUX (open source operating system), and
  - Entrepreneurship
  
- Students **take exams, implement community-based final projects, and even learn independently (OCW model).**



# Other Activities

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## LEGO Mindstorms

- Introduce engineering principles to African students through the use of Legos (MIT approach)

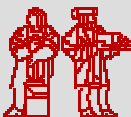
## AIDS awareness initiative in Ghana

- Brochures, open discussions

## Talks on how to apply to US colleges

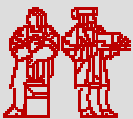
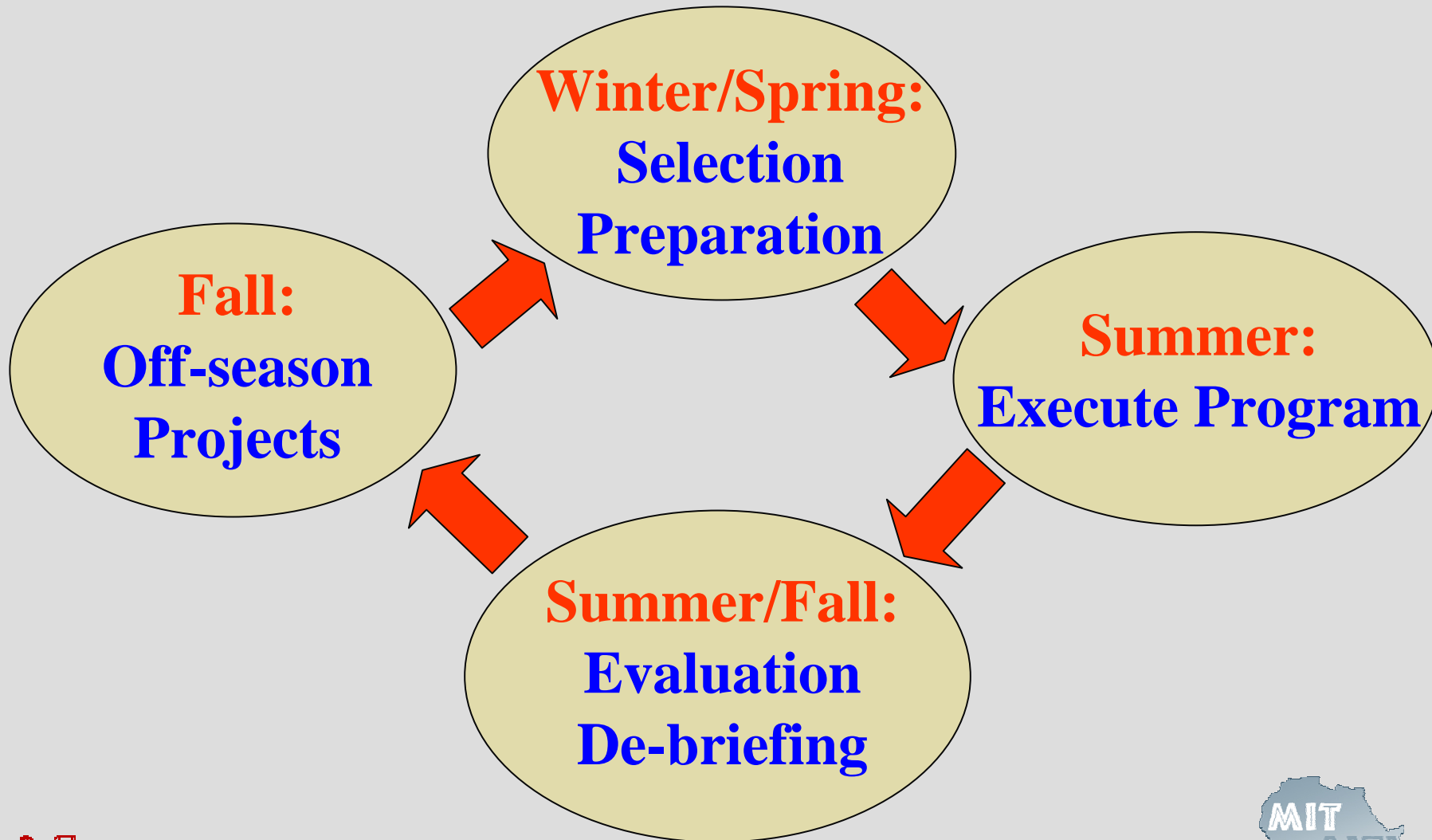
- What exams to take, how to find on-line resources

**Inspire: You can be successful; You can empower yourself and change the future; being proactive**



# The "Four Seasons"

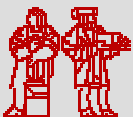
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# History of MIT-AITI

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YEAR	COUNTRY	SCHOOLS
2000-2001	KENYA	Strathmore
2002	KENYA	Strathmore
	GHANA	Achimota, Presec
2003-2004	KENYA	Alliance, Strathmore
	GHANA	Legon, Presec
	ETHIOPIA	Addis Ababa Univ.

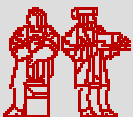




# AITI Metrics 2000-2004

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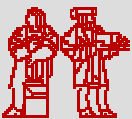
	2000	2001	2002	2003	2004
<b># of MIT students</b>	4	4	14	16*	15
<b># of African Students</b>	45	75	180	244	210
<b># of African Teachers</b>	5	5	10	11	7



# Impact: MIT

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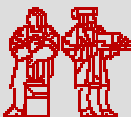
- **Unique** experience for MIT students in a new culture
- Foster the concepts of **community service** and **group collaboration** by utilizing technical background
- Enhance MIT's involvement in providing **novel solutions** for **bridging the gap** between developed and developing nations
- Increase **awareness** of MIT community about Africa



# Impact: Africa

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- Over the last five years AITI has **sent** over 50 MIT students and **taught** over 750 students.
- Introduced **cutting edge** technology (eg. JSP), and promote **open software** (eg. Linux)
- Students **got jobs** in local IT industry
- Inspired African universities to **actively seek** collaboration with US universities



# Impact

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- **MIT students enable African students with the latest advanced IT tools**
- **African students enrich MIT students with a deep understanding of unique cultures and communities**
- **A *new wave* where students in different continents *empower each other***



# Program Sponsorship

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## Mentors:

- Professor Paul Gray
- Professor Richard Larson

## Foundations

- Engineering Information Foundation (EIF)
- Lord Foundation

## Government

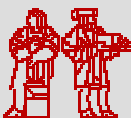
- Educational Development Center (EDC)

## Companies

- Africa Online, 3Com

## Private

- Kate and Baty Gordon, Professor Paul Gray



# Support from MIT

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Office of the president and the provost

Office of the chancellor

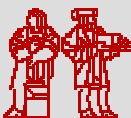
Graduate Students Office

Edgerton Center

LINC – Professor Richard Larson

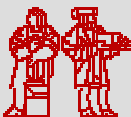
Public Service Center (PSC)

Academic Computing Service



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# Summer 2005 Program



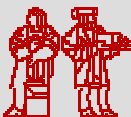
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MIT-Africa Internet  
Technology Initiative ©2005

# Alternate Track

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- **Also, non-AITI participants have opted to enroll in the class!**
- **These students will take part in many of the same activities as AITI participants, but there will be differences.**
- **If you are a non-AITI participant in this class, please see me after the lecture.**





# Summer 2005 Program

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**SP.772 has three main components:**

## **1) AITI Preparation**

**To prepare the MIT-AITI Summer 2005 participants for their upcoming experiences in Africa. Through this class, the participants will resolve all logistical issues and other matters that arise when traveling abroad.**



# Summer 2005 Program

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**SP.772 has three main components:**

## **2) Guest Lecture Series**

**To expose the participants to the contemporary African issues that relate to the AITI program. This includes presentations by guest lectures that will focus on topics ranging from cross-cultural communication to the needs for technology in Africa.**



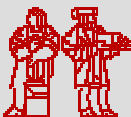
# Summer 2005 Program

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**SP.772 has three main components:**

## **3) Learning/Teaching Java**

**To benefit the local community by allowing the participants to teach the AITI Java curriculum to community college students through the MIT Service Learning program. The students attending the class will travel to MIT for three hours on Saturdays, and some seminar participants will run this course as preparation for teaching in Africa. Other participants will use this time to solidify their knowledge of Java.**



# SP.772 Specifics

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- **Attendance Policy – While we understand that there are scheduling conflicts, we expect and require that you will attend all possible sessions!**
- **Grading – This class is Pass/No Record, and the majority of the grade will be based on the Saturday-component (i.e. learning/teaching).**
- **We will take feedback from you every 2 weeks!**



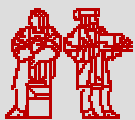
# Final Thoughts

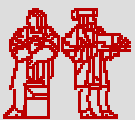
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Final thoughts: The impact of AITI...

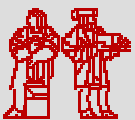
We will now break up and meet our teams  
for the 2005 program!!!



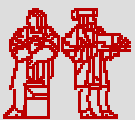




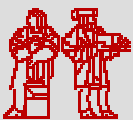
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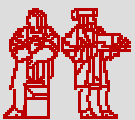




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