



## Mission Statement:

- Prepare students, parents, and teachers to achieve the 21st Century skills needed to broker the interface between technology, life, employment, and develop a positive attitude toward life long learning.
- Provide leadership and training in educational policy at the state and national level for educators.

## Vision Statement:

- We view our students, parents, and teachers as highly qualified individuals that need the opportunity to shine. We must provide them with a non-threatening, project based learning environment that challenges, stimulates, and encourages them to succeed.

**THE CENTER FOR URBAN YOUTH AND TECHNOLOGY  
UNIVERSITY AT ALBANY  
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## Our Goals:

- Development of a Multi-Media Learning Lab (called Innovation Technology Center of Excellence in Community (ITCEC) that is community oriented and creates a technology rich environment where students, parents, small business, and the community at large can use the resources that are provided.
- Creation of a state-wide initiative to provide the networking telecommunications infrastructure that gives access to Internet and satellite/distance teaching capabilities.
- Creation of a teacher oriented professional development technology-based training program.
- Development of research initiatives that evaluate the impact of technology in urban communities.
- Creation of a job training and retraining technology facility in under served communities to stimulate economic development.
- Develop skilled professionals in multi media, digital video production, and web 3.0 development.



Center for Urban Youth and Technology



**INTY**  
Institute of Nanoscale Technology and Youth

2010 - 2011



## Accomplishments

- Completed a Coin Harvest Drive to send resources to Zambia (2008)
- Held fifth Annual Science/Math Day in Capital Region. (2007)
- Student won first prize in state-wide science competition. (2004)
- Received National Science Foundation Presidential Award for the Science Technology Entry Program as one of top programs in math, science, and technology in the country. (2004)

## What we do:

- Discuss, Plan, and recommend educational policy for the state of New York,
- We design informal educational technology-based programs for youth in urban communities.
- We serve as the interface between business, academic institutions, and community based organizations to create work force development initiatives.
- We focus on technology-related areas in multi media design (web design, desk-top publishing, and video/audio production.
- We provide professional development training for education, business clients, and community based organizations, and
- We create and support cultural activities for urban youth and communities.

## Informal Education

Institute of Nanoscale Technology and Youth (INTY) (2009- )

The Institute of Nanoscale Technology and Youth (INTY) is a partnership between the Center for Urban Youth and Technology (CUYT), School of Education and the College of Nanoscale Science and Engineering (CNSE) (University at Albany) with a goal of engaging youth in the science, engineering, and economic impact of nanotechnology. The institute is designed to serve all youth, but with a clear focus on underrepresented, underserved, and economically disadvantaged youth middle school.

In terms of scope, the INTY partnership plans to develop and deploy a focused set of coherent, cross-cutting activities throughout the 2010 calendar year to serve for continued operation and program expansion. INTY will focus on themes in nanoscience, (nanoengineering, nanobioscience, nanoeconomics, and alternative energy), robotics, character education, multi media design, video production, and professional development.

- Math and Science Days (2003 – 2007)
- Science Technology Entry Program (STEP) (1994 – 2005)

## TECHNOLOGY AWARDS PROGRAM

CUYTF established the "Technology Awards Program" that provides technology tools to students, parents, and organizations across the country. These tools have included computers, calculators, network resource tools, software, publications, books, and course/curriculum materials. Working with businesses, state agencies, universities, and community based agencies, we have provided students and parents with computer systems, sent hundreds of books overseas, created web based content material to promote community based organizations, and provided technical assistance for grant writing and technology development.

Support has been provided to the following groups:

- Boys and Girls Clubs of Albany,
- Hamilton Hill Arts Center Schenectady, NY
- Mitchell Field –YMCA, Albany, NY
- Joshua Foundation, Albany, NY
- One Hundred Black Men of Albany
- Mufulira College of Education, Mufulira, Zambia.

## INTERNATIONAL EDUCATION PROGRAMS

Ghana

The entire Ghana workforce lack in IT skills Expedited Automation of government business at the Ministries, Departments & Agencies (MDAs) to improve upon service delivery requires workers to obtain & improve upon their computer literacy skills.

The main aim of this project is to provide working people in Ghana and the youth (prospective employees) with Information Technology (IT) and computer literacy skills in order to enhance their chances for employment and income generation.

The desire by government to make computer literacy the backbone of the educational system will continue to be a mirage if both JSS and SHS teachers do not acquire & improve upon their computer literacy skills.

- Zambia
- Multi-media Design in Mufulira School of Education, Mufulira, Zambia
- Mufulira is town on the Copperbelt province of Zambia with a population of about 400,000.

USAID through the Educational Quality Improvement Project 2 (EQUIP2) have approved Mufulira College of Education technology plan and given us a jumpstart by providing (the first ever since the inception of the college 44 years ago) Broadband Internet connectivity paid for up to March 2009. 95% of college students lack computer skills. Therefore, Information and Communication Technology (ICT) is now an integral part of the teacher education curriculum. ICT is time-tabled and compulsory to the more 300 student teachers. Due to inadequate computer hardware (PCs), the faculty members, students, and the public are allowed to access Internet services after 5pm at a very minimal fee to cover recurring costs. This Internet facility, with ten (10) computers connected, is the only one in the locality with a population of more than 20,000.

The college is also trying to establish partnerships with a British non-profit organization, Computers for Zambian Schools, to be hosting computer training for secondary school teachers and other stakeholders in the district. One of goals is to assist people to access information on global issues, acquire much sort after technology skills in the 21st Century, and enable them participate the socio-economic development of the country, and Southern Africa in general.

### **Digital Archive**

This proposal promotes the creation of a "Digital Archive" portal of informational resources that responds to the research question: Was there an African American presence on the University at Albany from 1968-1979 and how was it revealed? The portal utilized video productions, photographic images, audio recordings, and written text. Using ethnographic research tools, (interviews, survey questions, and group sessions) data about this time period will be collected, organized, and placed in digital formats for on-line and video-conference instruction.

