

RAISE @ Polytechnic UNIVERSITY

Under a GK—12 Fellows grant from NSF, the RAISE project has developed a partnership between Polytechnic University and four New York City high schools to enhance student achievement in science and math. The project team includes three faculty leaders, 13 graduate/undergraduate Fellows, and nine teachers.

The RAISE project is integrating modern sensing, instrumentation, and monitoring technologies in the lab curriculum of Active Physics, Marine Science, Living Environment, and Physics courses in the partner schools. Achievement in another course (Math-A) is influenced since the use of instrumentation must be based on a solid foundation in math. Fellows spend 10 hours each week in a high school plus five hours weekly preparing instructional material. The benefits of the project extend to high school students, high school teachers, and GK—12 Fellows.

2005-2006
RAISE Fellows

Graduate Students:

Arthur Nisonov
Sookram Sobhan
Meetu Walia
Chris Wilkins
Nerik Yakubov
Edwin Yu
Ilya Zarankin
Arsen Zavlyanov

Undergraduate Students:

David Chen
William Kok
Rob McGee
Elisa Seidman
Joe Yiu

RAISE project team gratefully acknowledges the following organizations and individuals for supporting the 2005 RAISE Career Day

Antonucci & Associates, Mr. Walid Aboumoussa, Senior Engineer

New York City Department of Education, Ms. Frances Capuana, Executive Director, Career and Technical Education

NABS, Inc., Mr. Franck Rougier, Director of Engineering/Global IT Manager

Symbol Technologies, Mr. Kangpin Tee

Consolidated Edison, Company, Mr. Andy Woo, Associate Engineer, Distribution Engineering, Network Systems

Participating High Schools & Teachers 2005-06

- **George Westinghouse High School**

Lorna Lindo
Meenaksi Muralidhar
Andrew Popichak

- **Marta Valle Secondary School**

Rami Avni
Vera Mihalcik

- **Paul Robeson High School**

Donna McLeod
Jeanine Pearson

- **High School of Telecommunication Arts and Technology**

Rachel Lytle
Paul Terzano

For additional information, contact:

Professor Vikram Kapila (PI)
Professor Noel Kriftcher (Co-PI, Coordinator)
Professor Magued Iskander (Co-PI)
Project RAISE
Polytechnic University
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Brooklyn, NY 11201
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RAISE

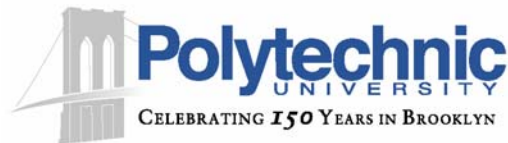
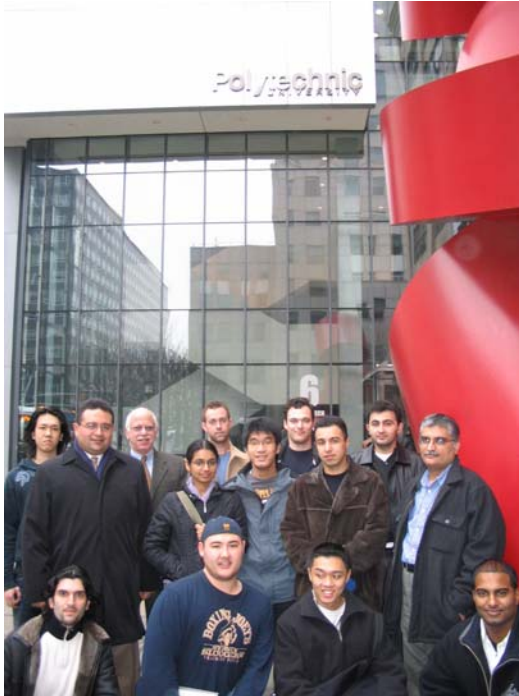
Revitalizing Achievement by using Instrumentation in Science Education

Professor Vikram Kapila
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Polytechnic University
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RAISE

***Revitalizing
Achievement by using
Instrumentation in
Science
Education***

**A National Science
Foundation GK—12
Project**



RAISE Events

- Professional Development: January 21, 2005



- RAISE Career Day: April 20, 2005



- NYC GK—12 Meeting: May 20, 2005

