



**National Instructional Design Workshop:**

**Improving the Quality of Education  
through Good Instructional Design**

**NOVEMBER 2-4, 2006**

**BANGALORE, INDIA**



**Quest**  
ALLIANCE

Quality Education & Skills Training

## QUEST

The Quality Education and Skills Training (QUEST) Alliance is a partnership of public, private and non-governmental organizations. Working together, they create, pilot and institutionalize technology tools for improving the quality of education and talent pool creation through the development of disadvantaged youth.

In direct response to local needs, QUEST supports:

- ❖ new approaches to building cost effective, replicable and sustainable educational technologies
- ❖ programs that have the potential to enhance the quality of classroom processes, talent development and employment opportunities for vulnerable youth
- ❖ the introduction of ET-mediated solutions to the public and policy arenas through research and advocacy

QUEST programs are currently helping disadvantaged children and youth in Andhra Pradesh, Karnataka, Maharashtra and Tamil Nadu.

QUEST partners include businesses, donors and non-governmental organizations who are committed to improving education and employment programs for disadvantaged children and youth in India. Partners include: Azim Premji Foundation, CAP Foundation, Dr. Reddy's Foundation, Education Development Center, International Youth Foundation, Lucent Technologies Foundation, Microsoft Corporation, Pratham, USAID and Wipro Technologies.

## Azim Premji Foundation

The Azim Premji Foundation (APF) — a not-for-profit organization — has the vision to “significantly contribute to achieving quality universal education to facilitate a just, equitable and humane society.”

The Foundation's efforts are guided by the following principles:

- ❖ Focus on “quality of education in rural government elementary schools”
- ❖ Develop “proof of concept” that have potential for a large scale systemic change
- ❖ Partnership with Government in all initiatives.

The Foundation is committed to contributing to systemic change and not merely creating islands of excellence. APF's strategy to achieve this is three-pronged: intervention, advocacy and networking, and is informed by its understanding of several critical change factors:

- ❖ Curricular and assessment reforms are the two levers required to drive change
- ❖ Teachers and education functionaries are the change agents required to lead reforms
- ❖ Technology and education management are the change tools required to support change and drive it efficiently and effectively.

The APF Foundation is currently engaged with over 1,000 schools and 58,000 teachers across 16 Indian states.



Over the past decade, India has made laudable gains in increasing access to primary schooling. The government's efforts, embodied in the national education policy, Sarva Shiksha Abhiyan (Education for All), have increased enrollment rates in many states. Government-funded programs such as mid-day meals and free text books and uniforms are believed to be positively influencing enrollment and attendance.

However, the drive to universalize primary education has come at a cost to quality in many schools. While more children are enrolled, empirical evidence on learning outcomes reveals that a significant proportion of children still do not possess the expected learning competencies and might find schools threatening or irrelevant.

One of the biggest challenges facing the Indian education system today is how to ensure that 5.5 million teachers in 1.2 million elementary schools have the support they need to improve the quality of classroom processes. Teachers need opportunities to strengthen their subject matter knowledge, gain access to educational tools that facilitate interactive learning, and utilize instructional strategies that promote student achievement.

Technology-based tools that are developed using proven instructional design methodologies which integrate the technology into the instructional process have potential to improve quality. Computer software, video and radio programs, when designed effectively, encourage more interactive teaching styles and allow students to construct their own knowledge through experiential and participative processes.

Today, many state governments in India have made large investments in technology hardware and are seeking ways and means to support their investment. In an effort to support the Government, the QUEST Alliance, in partnership with the Azim Premji Foundation, has brought together international and local instructional designers, policy makers and content providers to share lessons and explore ideas about how instructional design can produce technology tools that are capable of improving educational quality.

We are confident that the National Instructional Design Workshop will provide an opportunity for the participants to work together to develop guidelines that can raise awareness about the value of using instructional design to create quality educational technologies and can inform decision-making at all levels of the education system.

We wish the workshop every success!

Sincerely,

QUEST Alliance

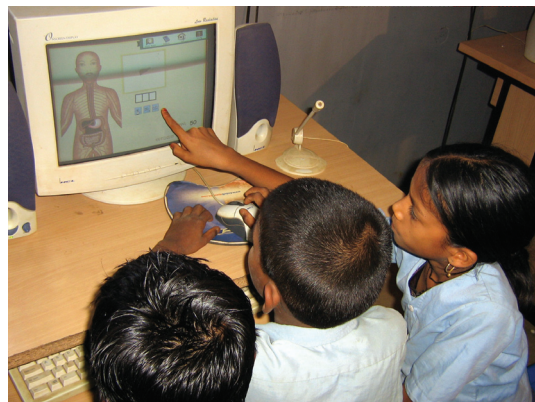


## Workshop Objectives

To facilitate a three-day instructional design workshop in Bangalore to explore how good instructional design can enhance the quality of education.

The three day workshop will bring together leading education experts, state government officials and instructional designers to address the following topics:

- ❖ Share lessons and explore ideas on how to improve the quality of content development for educational technology tools in Indian government schools
- ❖ Present a systematic methodology for the design & development of quality e-content
- ❖ Raise awareness among policy makers, practitioners, and educational technology providers about the importance of good instructional design in creating quality content
- ❖ Develop a set of recommendations that will be used to draft a framework to guide practitioners and policy makers in developing and investing in technology-based tools



## DAY 1: LAYING THE FOUNDATION

Thursday, November 2, 2006

- 08:45 – 09:30 **Registration**
- 09:30 – 09:45 **Introduction to QUEST & Workshop Speakers**
- 09:45 – 10:00 **Introduction:** Workshop Objectives (*Dileep Ranjekar*)
- 10:00 – 11:00 **Keynote Address:** Exploring What We Know About the Capacity of Educational Tools to Improve Education Quality to Promote Learning (*Dr. Badrul Khan*)
- 11:00 – 11:30 **Networking/Tea**
- 11:30 – 12:10 **Panel Session:** Technology Models & Preparing Teachers and Engaging Communities (*Dr. T K Lakshmi*)
- 12:10 – 13:00 **Panel Session:** Content Creation (*Dr. Radha Ganesan*)
- 13:00 – 14:00 **Lunch**
- 14:00 – 15:15 **Interactive Session:** Effective Instructional Design for Learning: Think Like an Instructional Designer (*Dr. Tiffany Koszalka*)
- 15:15 – 15:30 **Networking/Tea**
- 15:30 – 16:45 **Interactive Session:** Building an Effective Technology Tool (*Dr. Tiffany Koszalka*)
- 16:45 – 18:00 **High Tea and Stall Visits**
- 18:00 – 20:00 **Cultural Program** performed by the Abhinava Dance Company
- 20:00 **Dinner**

## DAY 2: TECHNICAL TRAINING

Friday, November 3, 2006

- 09:30 – 09:45 **Full Group Briefing:** Day Agenda Explanation
- 09:45 – 11:15 **Concurrent Session:** Needs Assessment (*Prof. Anirudha Joshi, Dr. Radha Ganesan & Representative from IIT*) and Design & Development (*Punam Medh and Douglas Bell*)
- 11:15 – 11:45 **Networking/Tea**
- 11:45 – 13:15 **Concurrent Session:** Needs Assessment (*Prof. Anirudha Joshi, Dr. Radha Ganesan & Representative from IIT*) and Design & Development (*Punam Medh and Douglas Bell*)
- 13:15 – 14:15 **Lunch**
- 14:15 – 15:30 **Full Group Session:** Evaluating Quality and Measuring Impact (*Dr. Michael Williams*)
- 15:30 – 15:45 **Networking/Tea**
- 15:45 – 17:00 **Panel Discussion:** Policy Implications
- 17:00 **Group Photograph and Close of Day 2**

## DAY 3: DEVELOPING SOLUTIONS

Saturday, November 4, 2006

- 09:30 – 09:45 **Full Group Briefing:** Day Agenda Explanation
- 09:45 – 11:15 **Plenary Session:** Recommendations from Concurrent Sessions:  
1) Needs Assessment (*Prof. Anirudha Joshi*) 2) Design & Development (*Punam Medh*)  
3) Evaluation of Quality (*Dr. Michael Williams*)
- 11:15 – 11:45 **Networking/Tea**
- 11:45 – 13:00 **Briefing Session:** Presentation of Recommendations
- 13:00 – 14:00 **Lunch**
- 14:00 – 15:15 **Policy Drafting Session:** Drafting Recommendations and a Framework for Quality (*Facilitator: Prof. Sadagopan*)
- 15:15 – 15:30 **Networking/Tea**
- 15:30 – 16:45 **Closing Speech** (*Mr. Champak Chaterjee*)
- 16:45 **Workshop ends**



## DAY 1: LAYING THE FOUNDATION

### PANEL SESSIONS

#### **Technology Models in Indian Schools —**

A panel discussion on how educational technologies are currently used in Indian classrooms, including environmental and resource challenges that influence technology choice and application.

#### **Preparing Teachers & Engaging Communities to use Educational Technologies —**

A panel discussion on how NGOs, companies, and the GOI are training teachers and engaging communities to ensure the effective use of educational technologies.

**Content Creation —** A panel discussion on the different methodologies used to develop content in India and abroad.

### INTERACTIVE SESSIONS

#### **Effective Instructional Design for Learning: Think like an Instructional Designer —**

An interactive introduction to the instructional design process that will help participants think like instructional designers.

#### **Building an Effective Technology Tool —**

A hands-on presentation of the steps needed to build effective educational technology tools.

## DAY 2: TECHNICAL TRAINING

### CONCURRENT SESSIONS

**Needs Assessment —** This section will review the themes related to needs assessment, including performance problems, symptoms, causes, and solutions, and present strategies used to conduct needs assessments.

**Design & Development —** The session will focus on the various instructional theories and principles used to develop an effective instructional design blueprint and will outline the skills needed to develop instructional material.

### PANEL SESSIONS

**Evaluating Quality and Measuring Success —** This session will focus on the importance of evaluating educational technologies and present some of the basic tools and methodologies available for evaluation.

**Policy Implications —** This session will focus on elementary and secondary education policy at the national and state levels and assess its impact on the use of educational technology.

## DAY 3: DEVELOPING SOLUTIONS

### PLENARY SESSION

**Developing Recommendations —** Groups formed during the concurrent sessions will reconvene to develop recommendations on instructional design.

### BRIEFING SESSION

**Presenting Recommendations —** Groups will present their recommendations for review and comment.

### POLICY DRAFTING SESSION

#### **Drafting a Framework for Quality**

— Participants discuss how their recommendations fit into a framework that guides technology-based content creation and investments.





# GENERAL INQUIRIES & CONTACT INFORMATION

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## Registration

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