

Teaching with Tablets, Mobiles and Handheld Devices

Getting Started



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The world of education is being disruptively transformed by the Mobile Internet and these programs are built around leveraging the mobile and wireless handheld access devices to create a completely new learning experience.

It has been demonstrated in a number of experimental and pilot projects that when learners have a full time access to the Internet and sources of learning resources the effectiveness of the learning experience is much better than with intermittent access in rationed quantities.

Now with affordable devices for internet access at the learner end, experiencing quality learning is far more easily possible than ever before. But both the learners and the teachers have to be oriented to the potential of this model of learning and to their respective roles as active learners and live teachers.

The programs and opportunities described here are an important step towards a **No Teacher Left Behind Project**.



"In Five Years, The Best Education Will Come From The Web."

— Bill Gates (6th August 2010)



"The year 2011 heralds the use of smartphones and tablets for learning at all stages and ages."

— M.M. Pant

We describe here a basic program for teachers, to effectively use Tablets for teaching in the classroom.

The program is of 10 hours duration, which can be delivered in face-to-face mode over a number of contact sessions. Alternatively it can be done as an e-mail course.

The access to a Tablet doesn't automatically foster learning. We have here described the potential of a Tablet for learning at 5 different levels. Any Tablet can be supplemented with resources to cater to higher levels of learning, though some features of the device may become a barrier to certain kinds of products.

But the key philosophy here is that Teachers move away from becoming mere passive users of content from content providers but become engaged in active curation and creation of content from a variety of sources.

Programme Details

Daily Schedule: Interaction time 2 hours 30 minutes every day; Session time 3 hours. every day.

Time	Day & Session	Topic
DAY - 1		
11:00 - 12:00	Session - 1	The Pedagogical potential of Tablets and Mobiles in Classroom Teaching
12:00 - 12:30	BREAK	
12:30 - 13:30	Session - 2	A survey of resources available for possible use in classroom teaching
13:30 - 14:00	A brief task to be done on the spot	
DAY - 2		
11:00 - 12:00	Session - 1	How to search for suitable resources for classroom teaching?
12:00 - 12:30	BREAK	
12:30 - 13:30	Session - 2	Focus on resources for Teaching Maths and Science
13:30 - 14:00	A brief task to be done on the spot	
DAY - 3		
11:00 - 12:00	Session - 1	Focus on resources for Teaching English and Hindi
12:00 - 12:30	BREAK	
12:30 - 13:30	Session - 2	Focus on resources for Teaching Social Science
13:30 - 14:00	A brief task to be done on the spot	
DAY - 4		
11:00 - 12:00	Session - 1	Focus on resources for Teaching Environmental Science
12:00 - 12:30	BREAK	
12:30 - 13:30	Session - 2	Putting it all together: Designing the classroom experience
13:30 - 14:00	A brief task to be done on the spot.	

End of Day-1 Task: Given your responsibility for teaching, what resources do you think would be appropriate in your context, and how would they enhance the learning experience?

End of Day-2 Task: How would you decide upon the suitability and appropriate of any learning resource that you could find on the Internet, for use in the class that you are teaching.

End of Day 3 Task: Based on the knowledge that you now have on the seeking for resources for a specific subject, how would you go about doing the same for a specific class that you would be teaching?

End of Day 4 Task: You have designed lesson plans in the past. How can you build on that learning and the learning in this program to design a learning experience for your learners. Think in the context of an actual topic that you would teach as part of the curriculum.

ABOUT THE PROGRAM

With the widespread availability of handheld devices in the form of Tablets and Mobiles, it is becoming important that all teachers are proficient in using these devices for effective teaching in the classroom.

This program is designed to enable all teachers to start using such handheld devices to aid and support their classroom teaching. This program covers all the skills and competences that a teacher must have in order to turn the classroom into a place of engaged learning significantly beyond that in a traditional classroom setting.



Prof. M.M. Pant (www.mmpant.net) is an internationally renowned expert specialising in pedagogy, technology and the development of tools and curricula for 21st century education.

He has been known for developing, working models that enhance the pedagogy using latest available technologies. He is especially noted for his efforts in leveraging social media for improving learning and bringing the mobile and handhelds into the classroom where they have been traditionally banned.

Prof. Pant's current work and interests revolve around the development, delivery and promotion of educational products, processes and services that cater for the needs and interests of future learners, a framework that is named "**Learning 221™: Learning for the 2nd Decade of the 21st Century**".

His past roles include being the Former Pro-Vice Chancellor, Indira Gandhi National Open University (IGNOU) and being on the faculty of IIT, Kanpur (the premier engineering institution in India), MLNR Engineering College and Faculty as well as Visiting Professor, University of Western Ontario, Canada. He has been a visiting scientist at European research centres in Italy, England, Germany and Sweden.

Prof. Pant is the founder of the LMP Education Trust, an organisation that promotes new age learning and supports underprivileged learners.

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