



NEWSLETTER

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“Genuine education does not consist of cramming a lot of information and numbers in mind. Nor it lies in passing the examination by reading a number of books, but it lies in developing character. It is a real education which inculcates internal virtues (values) in human beings. If you can develop such virtues, it will be the best education”.

- Mahatma Gandhi

The root of skill development

Going to a reputed school, admission into a reputed college or university and then getting a white collar job is the common aim of students from most of the middle class or upper middle class families. Not only students, parents are equally desperate to get their child admitted into a good institute so that he/she can secured a job. We often tend to forget that every child has some inborn skills or talents which need to be exposed and cultured.

Basic education is the best period to discover talent and abilities of a child. Characteristic feature of basic education is non theoretical . Its goal is to enable students to take independent actions. Productive engagement of a

child with material (nominal) provides a well grounded basis for action. This results in skilled action by the child. Finland is said to have the best education system. While in India we focus on the grade and marks system, there is no examination in the first few years in Finnish education system.

A quality basic education is the foundation for becoming a responsible, productive member of society. Meaning of life, community skills, helping others, sense of responsibility should be taught at very early stage. Productive engagement and acquiring skills enable a student to engage with the world . After getting the basic level of education, students should be allowed to pursue in the field of their interest.

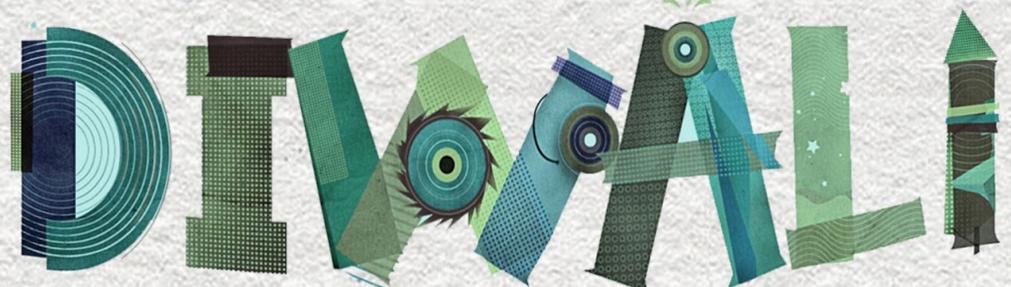
In general, non theoretical education helps a student to acquire the desired goal through actions. It helps a person to take right action and provides meaning of that action. Skill formation and attitude development happens side by side.

Thus basic education provides the foundation for development of skill. Needless to say, this should be the outcome of basic education which will strengthen our future generation as well as our country.



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Impact of basic education on skilled workforce development.

(Image: Trend of gross enrollment ratio for the India's pre-primary education. Year 1994-2013)



Children are born with creative capacity and talents. Every child is unique, has infinite potential and constructs her own knowledge in multiple ways. Most of brain development happens in first five years of life. Nutrition and cognitive stimulation in the early years of a child's life contribute significantly in forming the ability to learn in later stages of life. The first five years are vital for every child. This is particularly relevant to developing skills like creativity, flexibility and problems solving, skills that are becoming more important in the knowledge economy. In the perspective of lifelong learning, it is evident that the learning process starts early and impact of basic education is lifelong.

However, it has been found that the more educated a person is, lower is his Intelligence Quotient. It is seen that these talents gradually decreases with education. There must be something missing or something wrong in our education system. Training and skills development is understood in broad terms, covering the full sequence of life stages. However, too many young people and adults are currently unable to develop the skills, knowledge and attitudes they need for today's rapidly changing technologies and world of work.

India has made significant improvement in terms of growth of pre-primary education. Its gross enrollment ratio (% gross) was 30% in 2003, according to the World Bank. And it has doubled in last 10 years. Although this is a huge achievement in terms of figure, the real picture is somewhat different. In general, pre-

primary education is provided by private schools as well as government Integrated Child Development Services (ICDS also known as Anganwadi) centers. It is largely an unregulated sector. No formal affiliation to the educational board is required. Most pre-schools design their own curriculum keeping in mind their ideology and motive. Most of the pre-primary schools are money-making institutions. There is an urgent need to set rules and regulations for such schools.

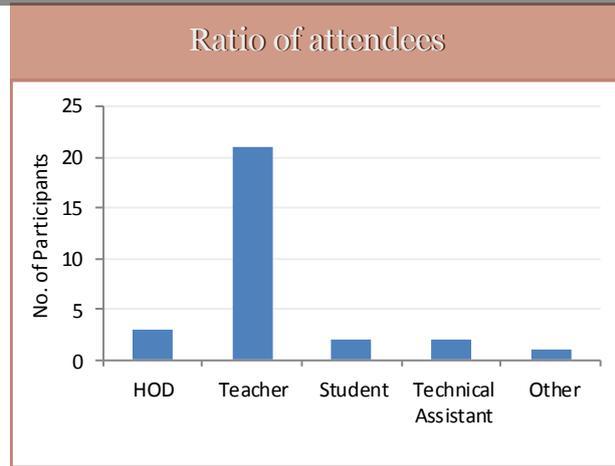
When western developed countries have comparatively older and low population and Asian countries, specially India is a source of a much higher and younger population. It can avail the benefit of manpower only if they are properly skilled. Availability of right skill sets with efficiency are scanty. Education should drive the economy by supporting innovation. Very few students in the university or college utilize or get a chance to utilize their knowledge in their job.

Recently, government of India has permitted 100% investment in the pre-primary education sector under the foreign direct investment policy. Good-quality primary and secondary education, complemented by relevant vocational training and skills development opportunities, prepare future generations for their productive lives, endowing them with the core skills that enable them to continue learning.



Survey analysis of Webinar on Electrical Machinery

To evaluate our achievement and performance of the webinars conducted on electrical machines, we ran a survey among the attendees. The attendees of the webinars in the beginning were very few due to the low awareness for fairly new concept of eLearning on electrical machines. Gradually, the number of attendees became high and was maximum in the month of July. Among the attendees 72% were teachers, 10% HODs, 7% students, 11% were other e.g. lab assistant. Further the number of attendance went down in August month. After receiving the response we learnt that in the start of a new session timing of webinars overlapped with the classes in colleges. We received huge request from the teachers for the new schedule either on Saturday at 3:00-4:00 or in weekday at 5:00-6:00, when no classes are running



We gathered feedback from the participants regarding several aspects of the webinar to understand their opinion. The feedbacks are given below

Questions	Statistics	Analysis
The objectives were clear to me		82% of the participants were “strongly agree” or “agree”, 4% “neither disagree nor agree”, 14% “disagree” or “strongly disagree”.
The content is relevant to my job		83% were “strongly agree” or “agree”, 7% “strongly disagree”. Rest 10 % were “neither disagree nor agree”.
The webinar was good way for me to learn this information		82% were “strongly agree” or “agree”. 11% “disagree” or “strongly disagree” . Other 7% were “neither disagree nor agree”.
The presenter was well prepared		86% were either “strongly agree” or “agree” 7% neither disagree nor agree, and 7% “strongly disagree”
I would recommend to attend the webinars to others		83% agreed or strongly agreed to recommend to attend webinars to others, 10% disagreed or strongly disagreed, remaining 7% neither agreed nor disagreed.

We received good feedback on the conducted webinar with more than 85% of “strongly agree” or “agree” leaving 15% of feedback with window of improvement. With continuous efforts, we are trying to serve even better for the electrical engineering community.

1. Last month, we have hosted a question answer webinar at the request of our customer, NIT Meghalaya. Students enthusiastically took part in the webinar. Their questions and queries were answered on topics.
2. New version of "eLearning on Electrical Machines" is ready with following features:-
 - A. E-Book (Principle of Electrical Machine)
 - B. Virtual Lab I (Basic Lab on Electrical Machine)
 - C. Virtual Lab II (Advance Lab on Electrical Machine)
 - D. E-Quiz (1200 multiple choice questions)
 - E. E-Tools (Interactive exercise from eBook)
3. From the coming month we are announcing our new series of webinar on **Power Electronics**.

We have successfully completed 6 webinar sessions on electrical machines. You can download the recorded video from our website.

Date	Topic
June 5, 2014	Principles of electric Machinery
June 27, 2014	E-learning environment for electrical machines
July 7, 2014	Winding of AC machines
July 21, 2014	Principles of EMEC on doubly excited system
August 19, 2014	Principles of EMEC on singly excited system
September 27, 2014	Magnetic circuit made easy

1. Multidisciplinary Academic Conference on Education, Teaching and E-learning in Prague 2014

16th to 17th October 2014
Prague, Czech Republic

2. International Conference on Virtual Learning - ICVL

24th to 25th October 2014
Bucharest, Romania

3. E-Learn 2014 - World Conference on E-Learning

27th to 30th October 2014
New Orleans, Louisiana, United States of America

4. 20th Annual International Conference on Online Learning

29th to 31st October 2014
Lake Buena Vista, Florida, United States of America



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