



GLOBAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY  
NETWORK, WEB & SECURITY

Volume 13 Issue 7 Version 1.0 Year 2013

Type: Double Blind Peer Reviewed International Research Journal

Publisher: Global Journals Inc. (USA)

Online ISSN: 0975-4172 & Print ISSN: 0975-4350

## WAVE: The Web Audio Visual Education in India

By U. V. S. Seshavatharam

*I-SERVE, India*

*Abstract* - To promote advanced low fees high quality education among the people of India within their reach and to promote continuous research program in all areas of Science & Technology.

*GJCST-E Classification* : J.1



*Strictly as per the compliance and regulations of:*



# WAVE: The Web Audio Visual Education in India

U. V. S. Seshavatharam

**Abstract** - To promote advanced low fees high quality education among the people of India within their reach and to promote continuous research program in all areas of Science & Technology.

## I. INTRODUCTION

- a) Year by year, educational course fees are being increased by the central and state governments of India due to so many issues.
- b) Please note that, many of the talented students are not in a position get seats in IIT's due to many reasons.
- c) Even though Indian government is putting lot of money and effort, most of the IIT students are going to abroad.
- d) Teaching standards seems to be common for both talented students and backward students and there is no separate teaching methodology for the backward students.
- e) In India, in educational seats allocation, forward and backward community problems very high.
- f) Research oriented philosophy is very poor in the present education system.
- g) Practical knowledge gaining methodology is weak in the present education system.
- h) Instead of concentrating on education, many students are showing lot of interest in internet browsing, internet shopping, internet games, internet movies, internet chatting etc. By any means if we are able to guide them in using the internet in a proper way, their future can glow like a lamp and country can grow like a star.
- i) In view of getting good marks and ranks, students are forced to by-heart the subject and in due course they are losing their creative and reasoning skills.
- j) In villages and towns, every day student is making a long journey to reach their colleges from their homes by means of buses, autos and trains. This is very risky and causing money loss and valuable time loss.
- k) Students are paying lot of money for staying in rooms and hostels. By staying in rooms and hostels, they are losing their parents care and guidance.

*Author* : Honorary faculty, I-SERVE, Alakapuri, Hyderabad-35, Sr. Engineer, QA, Spun division, Lanco Industries Ltd, Srikalahasti-41, AP, India. E-mail : seshavatharam.uvs@gmail.com

## II. WAVE: THE WEB AUDIO VISUAL EDUCATION

1. In each and every subject of any branch of science and engineering, high quality teaching lessons (like IIT Professor's lessons) are recorded and mixed/edited through software with appropriate figures, movies, documentaries, graphs, tables etc.
2. These edited audio-video lessons are kept in a web site to form into a web library.
3. With a suitable fees package students will be given a membership in this web library.
4. With flexible rules and regulations, this web site acts like a Web University.
5. This web university can be linked with various colleges and universities in the country.
6. Parallel to this web education, some of the teaching staff can be grouped into Research & Development wing and a continuous Research can be carried out in all areas of Science & Technology.

## III. ADVANTAGES OF WAVE

- a) *Teaching and Education Part*
  1. Throughout the country, starting from remote villages to major towns & cities, students will get same IIT standard education.
  2. Please note that, in any existing institute, one professor will teach one lesson only for one time in one year. With WAVE, like a song, same topic can be browsed and listened for several times so that a poor student can easily understand the subject thoroughly.
  3. Regular students, physically handicapped students, job holders, poor students (Male & female), sitting in their homes can get the quality education compared with the existing Open and Distance scheme educations. Thus college 'travelling expenses' and 'time loss' can be minimized.
  4. As WAVE is able to provide theory part as well as virtual laboratory, student is exposed to (virtual) practical knowledge; his/her creative and reasoning skills can be improved a greater extent.
  5. As WAVE is able to provide the theory part as well as virtual laboratory, all other institutions can work as laboratories so that new ideas and innovations can be generated at a faster rate.
  6. Research net work can be initiated among the students having same ideology.
  7. Web conferences among students and WAVE members can be put into operation.

8. Junior teachers and students can improve their teaching skills through the recorded and edited audio-video lessons.
9. With this WAVE all universities can be linked well and a standard syllabus and a standard education can be maintained.
10. Existing schemes of Professional, Open and Distance educations can be inter-linked with this WAVE.
11. As time passes, with this WAVE quality of education will be improved and cost of education fee will be reduced to a minimum or free.
12. Students can take any branch of engineering/science/arts with reference to their personal interest at any time.
13. Due to struggle for existence, existing money oriented institutes will reduce course fees and gradually transforms into a good institutes.
14. Forward and backward community problems can be resolved in seats allotment.
15. New and creative ideas, papers, documentaries, short movies proposed by students can be published online from the web university and can be made available to public.
16. Due to competition so many web universities may evolve and can serve better education in the country.
17. Usage of Internet, computers, audio-video devices and printers will be increased to a great extent and there by their cost will be reduced.
18. From time to time syllabus can be modified and maintained easily.
19. Gradually with WAVE, Indian Vedic science concepts can be recorded and edited and can be made available for the future India.
20. In future, Audio-Video lessons can be aided by international professors and thereby we can have One World - One University.

#### b) *Research-Development Part*

1. With the R & D wing, research projects can be carried out continuously and creative & innovative things can develop and can be patented in the international market of science & technology.
2. The R & D equipment can be used as a special laboratory for the young students so that they can be exposed to the latest science and technology that develops creative and innovates skills in the their mind.
3. Since R & D is continuously put into operation, youth can be turned towards Science & technology (other than politics & bad issues) with rewards and cash prizes.
4. Since R & D is continuously put into operation, 'Abroad going' will be reduced and Knowledge can be confined to our country only.

## IV. MECHANISM OF WAVE

To maintain and develop this WAVE and to promote continuous Research program, with the willing of the existing teaching staff,

- a) Some of the existing teaching staff can be grouped into teaching wing.
- b) Some of the existing teaching staff can be grouped into Audio-Video Recording & Editing wing.
- c) Some of the existing teaching staff can be grouped into Web Designing and Maintaining wing.
- d) Some of the existing teaching staff can be grouped into call center maintenance wing.
- e) Finally remaining teaching staff can be grouped into Research and Development wing.
- f) Through call centers, exams can be conducted round the year after completing 10 months of any course.

## V. HOW TO IMPLEMENT WAVE

- a) Even though initial investments are very high, they can be collected and maintained by big software companies or industries or Govt. Of India and loans from banks.
- b) Just like Money saving policies, suitable educational policies can be initiated and money can be collected from the parents well before admissions.
- c) Starting from 8<sup>th</sup> class to inter second year, parents can be made convinced to pay a prefixed amount as educational policy for a prefixed time span.
- d) 'High internet speeds' and 'large data bases' are required and are very common and essential for the present and future super-tech world.

## VI. CONCLUSION

Advantages of WAVE are plenty. Its 'effectiveness' and 'influence' only depends on its implementation. Not only for India, can WAVE be implemented in any developing country. Even though the proposal under consideration is interlinked with many issues, with reference to 'Vision2020' program, this proposal can be given a chance in Indian higher education system.