

Towards Global bests teaching learning process In Indian higher education.

Author

Dr. Deepak Tilak¹,

Chancellor, Tilak Maharashtra Vidyapeeth , Pune

d_tilak@hotmail.com

Dr. Rohit Tilak²

Professor, Tilak Maharashtra Vidyapeeth , Pune

Abstract:

Teaching learning process aims at conduction of knowledge, divulging talents and establishment of attitudes, values and behaviour. In edict to endure the competition, education institutions have to mend the quality of their services. Deviations in culture, objective and levels of skills obligatory in securing jobs for students, vigour higher education institutions to rephrase on their educational processes and add significance to each and every aspect of their overhaul. Innovations and best practices serve to enhance quality and add value to Indian higher education. Higher Educationists have been trying to scrutinize the teaching learning process in rappsorts of the requirements of the single entity as well as the society. This article explores about teaching learning process in higher education. Further, article also highlights on various best practices of teaching learning which can be used in higher education. Conversely, teaching benefits in effect only when it leads to significant learning. This article also highlights on various challenges faced by higher educational institutions. Global best teaching learning practice implementation in Indian higher education will play a vital role as it has the potential to enable the teacher to teach and the students to learn a given type of gratified so that a set of instructional objectives are effectively achieved.

KEYWORDS :Best practices, Higher Education, Teaching learning, Quality.

INTRODUCTION:

This article explores the global best teaching learning practices in higher education. In this article teaching is base for improving learning in higher education institutions. Teaching and learning both

are in each other's pocket. The lecture process for teaching directs the classrooms in higher education institutions. The concept of education is adopting changes as per the changes in the surrounding and requirements. There is need to provide new ways of teaching and learning in Indian higher education so that maximum learners can avail it. The students of today are the leaders, inventors, teachers, and entrepreneur of tomorrow. Indian higher education therefore has become competitive.

A global best process really gives an important role in education field and we must use it in a proper way. Global best practices are the key way to give a quality education and advance learning to the students as well as a good way of teaching materials to the teachers. Using the high and advanced technologies and processes in the higher educational sectors can contribute a big help to the students and teachers. The learners can easily catch and update the lesson if they have copies of what the teacher is discussing about. Through the use of internet students may explore the knowledge other than academics also. The teachers also can give a proper way of teaching to the students without having difficulties in giving the reference because the students have already copies on their laptops, memory cards and other software technologies for their advance and homework studies. [4]

Education is an important factor that reflects the personality of the individual person in our society. That is why effective way of teaching is the best solution in giving the good quality education. Education is an important for social and economic development, and higher education is a key area to maintain a country's competitiveness in the global economy. Governments and educational institutions are looking for innovative ways to increase access to higher education and improve the quality of their programs and courses in a bid to improve their competitiveness. Academics have started use of computers in teaching much more readily than they adopted earlier audio-visual media. This is because the strength of computers is their power to manipulate words and symbols which is at the heart of the academic Endeavour. Without the appropriate skills, students will not have the preparation needed to endure. Through the use of global best practices used in higher education it possible to deliver quality in higher education in India. The fastest way of teaching is

said to be possible through the use of different technologies in the higher educational sector. Higher education is a change-resistant enterprise. Academic culture, faculty governance and an unusual organisation all work together to slow down evolution.

Economic success of any country is also dependant on education system of the respective nation. India's Higher Education domain has countersigned a marvellous intensification in the number of Universities & Colleges in current era. But still it is facing some kind of challenges. Below are some of the challenges faced by higher education institutions in India:

- Curriculum
- Options of employability after degree
- Infrastructure
- Tools and techniques used to deliver the contents to the learners
- Quality of learning and teaching
- Student Assessments
- Government rules, regulation and support to the higher education Institutions.

Need of Global bests teaching learning process In Indian higher education:

There is need to adopt the world wide i.e. global best processes in Indian higher education. For the researcher of the article first identified top 10 countries among world in higher educational domain are as listed in below table:

Table No. 1.1: Top 10 worldwide universities in higher education.[5]

Sr.No.	Name of the University
1	University of Oxford, United Kingdom

2	California Institute of Technology, United States
3	University of Cambridge, United Kingdom
4.	Stanford University, United States
5	Massachusetts Institute of Technology, United States
6	Princeton University, United States
7	Harvard University, United States
8	Yale University, United States
9	University of Chicago, United States
10	Imperial College London, United Kingdom

Source:https://www.timeshighereducation.com/world-university-rankings/2020/world-ranking#!/page/0/length/25/sort_by/rank/sort_order/asc/cols/stats

Bests teaching learning process for Indian higher education:

At the emergence of the twenty-first century, innovative and hurriedly refining technologies are in the route of metamorphosing Indian higher education. Many of the researches have proved that Colleges and universities have usually been nippy to embrace new technologies. Digital devices and telecommunications are the foremost technologies which can redesign Indian higher education.

1. Online Teaching:

Now days in India peoples are supporting for online things like movie booking, ticket booking, online purchase of goods and clothes, food ordering, online payments etc. Even the government of

India has also taken initiative for digital India then why Indian higher education is still behind the online education. From literature review it has been observed that, ration of internet usage among students is also increased rapidly. This indicates that it's a better option to go for online teaching for higher education.

Online teaching has proven its impact and success across the globe and India is far away from the same. As we have seen the worldwide best university list I above table no.1.1 we come to know India is lacking behind. But few of the Indian higher education institutions has adopted online teaching and is slowly and surely flattering prevalent with attentiveness from learners to learn new things and technology.

Implementation of online education in Indian Higher education will also increase the ration of rural students. Online teaching can be conveyed by variety of ways like Videos, document, exam series, demo session, etc. Medias like YouTube, WhatsApp etc. can be used to reach to the students as an online teaching tool in Indian higher education sector.

Researcher's says that Indian Higher education is sluggishly espousing the digital era. Online certifications, value added certifications; webinars are becoming popular in the Indian college going students. Utmost of such courses are beleaguered to mend employability of the students. Nevertheless still there are some barriers for implementing such advanced things in Indian higher education. Some of the reasons are as mentioned below:

- At the present state it is not delimited by government.
- Learner are looking for authentic institutions i.e. universities and colleges which are certified or government approved.
- Insecurity of job through completion of such courses.

Advantages of online teaching:

- Remove barrier of classroom based learning.
- Working professionals can also apply for certified courses and higher education.
- Rural students can have more benefits of the same.
- Can learn easily at any time and any place.
- Smart devices can be used for the same.

An example of few available courses in Indian Higher education is Byju's App.

2. Digital and Widespread Online Assessments:

Evaluation process of any educational institution or university matters a lot in academic curriculums. Accomplishment of teaching essentially hinge on on type of evaluation done. In Indian higher education evaluation of the learners has largely been engrossed on analysis of theoretical knowledge of the learner rather than practical knowledge.

Precincts of current Assessment of learners:

- Manual evaluation
- Less standardization
- Errors
- Less focused on practical knowledge.

In the coming years there would be more focus on evaluation of student for practical knowledge of particular topic. Proportion of theory exams would be reduced.

3. Change in Syllabus

Now a day's internet is playing a vital role to deliver the information to the learners. Information is becoming vibrant and moving quickly due to internet. Syllabus or contents covered in the classroom

in the education institutions might become superseded very rapidly. Indian higher education need to espouse vigorous syllabus with new technology. While designing syllabus for higher classes there is need to focus on industry expectations. There should be change in syllabus as per industry requirement to provide maximum employability to the students.

4. Method of Assessments:

Online examination system will enhance the assessment of the learners. Artificial Intelligence is the best example for the same as it provides personalized assessment for the students. These advanced systems in education field can bring enhancement in student performance, help to do analysis with various parameters, analysis can be made for individuals and groups as well.

Online assessment will bring transparency in the process and it overcomes the bias problem which is present in the current traditional method. Now a days it has been observed that university in India are also supporting for online assessment for few of the courses like MBA. However it is restricted to objective pattern only. On the other hand at the same time it is noted that it mainly used for various entrance exams. So, writers of the article believes that assessment of the higher classes should be based on some factors like- Practical Enactment, innovation , Problem Solving approach , Conceptual knowledge of the applications etc.

Advantages:

- Error free analysis
- Unbiased nature
- Ability to provide personalized feedback
- Employment concern

- Individual and group assessment

5. Strong Database:

Database is known collection of data. In Teaching learning process data is generated in huge amount. There is need to maintain such data for further academic use. So Implementation of strong database for higher education will enhance the potential of overall teaching learning process. Database can be used to maintain student's records like attendance ,mark sheet.

6. Tailored Learning:

In many of the countries traditional classroom based learning is becoming antediluvian. In this fast moving world now almost all the things are provided in customized way. TV channel is simplest example of the same and propels are easily adopted the same. Then why this concept cannot be implemented in Indian higher education system? It is removing location, device and timing constraints.

Many of the study has revealed that traditional classroom centred lecture process may not assistance each learner. The capacity of every learner is different. Some are very brilliant, some are average and some are very poor. This indicated that tailored learning will definitely enhance the learning ability of learners. It may offer as per specialization, interest of the learner. On top of that it can be used as per the flexibility of learner. Time and place won't be barriers for tailored learning process.

Advantages:

- Learner oriented.
- Personalised teaching learning process help to enhance understanding of learners.

- Location is not the barrier.
- Classroom Independent.
- No time restriction.

Some student concerned methods to be used in Indian higher education for teaching learning process:

Acquaintance, assertiveness and skills amongst the students by incorporating several methods or techniques which goes in facilitating their learning process are as shown in below diagram:

Dia.No.1.1 Student concerned methods



Source: designed by researcher

Practical Approach towards Learning:

Practical approach helps to boost confidence among learners. Implementation of practical approach in higher education will deliver practical knowledge to students which will help them in their career. For this educational institution should have tie-up with industry. Students have to substantially visit the industry and understand the internal processes.

Advantages:

- Increase confidence amongst learners
- Preeminent and radical practice to learn about conceptions.
- It is active learning
- Enriches the knack of research

Participative Learning:

Peer learning is given special emphasis in the learning process at the institute. Assignment should be given to the students in the form of field visit, research work, presentation etc. These processes will help students to work in teams with their assorted thought process and will also embolden them to participate in group and class learning.

Participative learning can be comprised of: Research projects, Group presentations, Surveys, Competitions.

Advantages:

- Help to identify missing points.
- Exchange of ideas and opinion sharing.
- The learning process will be more effective.
- Understand the importance of team or group work.

Problem Solving Learning:

Real time scenario must be given to solve to the students so that they will understand how to overcome in various situations. It also examines decision making capacity of the students. Advantages:

- Help to bring exploratory nature among students.
- Supplementary best teaching learning process
- Help for problem understanding and solving.
- Help to increase creativity and out of box thinking of learners.

In addition to above three student concerned methods below are some more processes:

Brain storming activities:

- More interesting and informative as concern to learning ability.
- It is knowledge based process.
- Learning become effective
- Supports creative thinking

Improvement in lectures/sessions:

- Sessions should be case or example oriented.
- Teaching should be based on learner's ability.
- Teacher need to focus on student involvement to enhance learning process.
- Teacher should inspire students to work in team by endorsing small group activities.
- Innovative methods of teaching should be implemented like ICT tools and resources.
- Timely feedback.
- More focus on concept visualization. Audio clip, video clip etc. can be used for the same.

Blended Learning:

IT enabled learning tools expose the students to combine advanced knowledge with practical learning.

Use of ICT (Information and Communication Technology) Tools:

Information and Communication Technology helps to improve teaching and learning skills. ICT is innovative teaching tool. It is known as effective tool of teaching and learning. It indoctrinates the

current age technology with traditional teaching learning approach. ICT encourages superior limpidity in teaching and learning enactment and overall development of students. ICT makes many conventional chores uncomplicated and facilitates communications from virtually any part of the globe.

ICT is beneficial for both teachers and learners too. Below are some advantages of ICT for both the entities:

Benefits for Teacher:

- Help to maintain student's interest in learning process.
- Enhance instructions.

Benefits for students:

- Help to construct own understanding
- Practical approach
- Exposure to technology
- Collaborative learning

Some general ICT tools for teaching and learning are as listed below:

- Use of smart devices like desktop, laptops and tablets etc.
- Use of LCD projector in classroom
- Use of DVD, CD and Pen Drive etc.
- Wi-Fi Campus
- Computer Labs
- Surveillance Camera based Monitoring in the Campus
- Central online Library /Digital library
- Use of NPTEL

Dia. No 1.2 ICT Tools



Source: Designed by researcher

Features of ICT tools:

Moodle:

- Course management
- Live engagement
- Student Assessments
- Content repository
- Better Accessibility

GOOGLE CLASSROOM:

- Encourage collaboration between students
- Personalize the learning experience
- Organize assignments and create a paperless classroom
- Offer virtual office hours

ONLINE EXAMINATION SYSTEM:

- Online Test Conduction.
- Quick Test Result.
- Practice for Aptitude and Technical test.

MOOC:

- Free and Flexible online professional certification courses
- Ongoing and adaptable Learning
- Useful as a Classroom Resource

Advantages:

- Makes interaction easy.
- Improve Teaching skill.
- Enhance Learning
- Help in students evaluation
- Improve knowledge withholding
- Improve performance
- Increase productivity
- Empowerment in learning experience adaptive to student needs.
- Promotes greater transparency in academic performance and overall development of students.
- Accessible at anytime from anywhere
- Encouragement in professional Development

SUGGESTIONS:

Teaching conquers a praiseworthy position in the society. Here in this section the author of the article provide some recommendations for enlightening the Global bests teaching learning process In Indian higher education. Higher education in India has lengthened very hurriedly in the last few decades. Below are some of the suggestions:

- There is need to emphasis on problems and challenges face by Higher education system in India

- Implementation of innovative and transformational approach to make Indian higher educational system internationally more appropriate and competitive.
- Industrial cooperation is must
- Quality can be improved through student and faculty exchange programs with global higher educational institutes.
- Government support through various funding, research collaboration etc.
- Implementation of ICT tools and techniques

CONCLUSION:-

Teaching dwell in an honourable position in the Indian society. Indian Higher education institutions are undoubtedly in the middle of rapid change in rejoinder to conservational, social, economic, technological, and political alterations sweeping the globe. It has been observed that still in this technological era Indian higher education systems are facing some challenges. Some of those challenges are mentioned in this article. India needs to improve the quality of its higher education teaching without delay. This article was aimed to highlight global bests teaching learning process in Indian higher education. For this more focus was given on understanding teaching learning process. Challenges related to the respective field are addressed in this article. Author of the article believes that the best practices in teaching learning suggested here would enhance the Indian Higher education by providing streamline and advanced processes to the teachers and better employability to the learners. Future work can be done to address the challenges, pros and cons behind implementation of best practices in Indian higher education.

REFERENCES:

Articles:

7 Effective Teaching Strategies For The

Classroom,(2018).Quizalizeblog,February,<https://www.quizalize.com/blog/2018/02/23/teaching-strategies/>.

Rebecca Alber,(2015). 5 Highly Effective Teaching Practices, February 27.

Dharmadhikari Swapnil, Top 7 Trends of Education Technology for

2020,<https://www.blog.epravesh.com/top-7-trends-of-education-technology-for-2019/>.

[ashleyjones08](https://www.ashleyjones08.com),(2011). The Importance of Information Technology in The Field of Education,

<https://informationtechnology2011.wordpress.com/2011/06/07/the-importance-of-information-technology-in-the-field-of-education/>

https://www.timeshighereducation.com/world-university-rankings/2020/world-ranking#!/page/0/length/25/sort_by/rank/sort_order/asc/cols/stats

Research Papers:

Sharma Sahil,&Sharma Purnendu(2015). Indian Higher Education System: Challenges and Suggestions.

Electronic Journal for Inclusive EducationVolume 3Number 4Electronic Journal for Inclusive EducationVol.

3, No. 4.

https://www.researchgate.net/publication/329415149_Higher_Education_in_India_Challenges_and_Opportunities

Aithal, P. S., & Kumar P. M. (2016). Teaching - Learning Process in Higher Education Institutions (June 25, 2016). International Journal of Multidisciplinary Research and Modern Education (IJMRME), Volume II, Issue I, pp. 662-676.

<https://ssrn.com/abstract=2800585>

Bharti, M., Singh, D., & Tilak, G. (2020). Crisis communication management at higher education in social media Era.

Bhattacharjee B., & Deb K. (2016). Role of ICT in 21st Century's Teacher Education. International Journal of Education and Information Studies, ISSN 2277-3169 Volume 6, Number 1 (2016).

<http://www.ripublication.com>

Dr.SajjadS..Effective Teaching Methods at Higher Education Level.

<http://class.web.nthu.edu.tw/ezfiles/669/1669/img/1381/1.Effectiveteachingmethodsathighereducationlevel.pdf>

Tilak, G. (2020). Utilization of Cloud Computing in Higher Educational Institutions

SarkerF., Hugh D.,&Thanassis T. A Review of Higher Education Challenges and Data Infrastructure Responses.

https://eprints.soton.ac.uk/271695/1/A_Review_of_HE_challenges_and_data_infrastructure_responses.pdf

Tilak, G. (2020). Artificial intelligence: A Better and innovative technology for enhancement and sustainable evolution in education system.

Sheikh Y. A. Higher Education in India: Challenges and Opportunities, Journal of Education and Practice www.iiste.orgISSN 2222-1735 (Paper) ISSN 2222-288X (Online)Vol.8, No.1, 20170.

<https://files.eric.ed.gov/fulltext/EJ1131773.pdf>

Mahratta