

---

## “AN ANALYSIS ON INNOVATIVE AND INTERACTIVE TEACHING METHODS FOR QUALITY LEARNING IN HIGHER EDUCATION”

**Dr M B Bagadi**  
Associate Professor of Commerce  
Government First Grade College  
Navalgund-Dharwad District-582208  
[mbbagadi@gmail.com](mailto:mbbagadi@gmail.com)

### Abstract :

21st Century is the age of cataclysmic change and creativity. India needs educated man power in huge numbers. Traditional teaching learning methodology is outdated and best methods are to be identified to improve the required skills of the teachers and students. There exists a strong need to change pedagogy from fact-based traditional lecturing to interactive teaching with the aim of fostering durable and employability skills. To address this problem, innovation in teaching and learning has become essential. Adoption of various methods and strategies as mentioned in the paper will help in getting the desired outcome. The present paper describes innovative teaching methods being adopted by higher educational institutes in the country.

**Keywords:** Innovative Teaching Methods, Higher Educational Institutes, Traditional Teaching

### Introduction :

Education plays a key critical role universally for development of skilled workforce. Education is vital for the growth and development of any society. It imparts knowledge, skills and inculcates values and is responsible for building human capital which, drives and sets technological innovation and economic development. In the 21st century, information and knowledge stand out as very important and vital input for growth and survival of mankind. Education is not only the means of achieving social development but also an engine of advancement in an information era propelled by its wheels of knowledge and research. Quality teaching is that transforms students' perceptions and the way they go about applying their knowledge to real world problems. It is revealed that most students do not absorb the course content up to the expected level when taught through text book lecturing method. Hence improving the existing teaching learning methods and teaching with new innovative methods has become the need of the day. It has become necessary to identify the gaps in the teaching learning process and implement innovative teaching methodology. Educationists around the globe are advocating for innovating and improving the existing learning methods, and also for experimenting with new teaching styles. The use of innovative teaching methods by teachers helps to enhance the performance of students of diversity (Naz&Murad, 2017). The exponential pace of change in every aspect of lives i.e. work, technology, culture lifestyle and environment are needing new skills and knowledge from the students.

---

### **Innovative and interactive methods in classroom teaching**

The practice or application of innovative and interactive teaching methods in educational institutions has the potential not only to improve the quality of education, but also to empower students or future generation of the country by strengthening governance and galvanize the effort to achieve the human development goal for the country.

### **Developing an effective and amazing Lectures**

Lectures can be bored to the students, if the lecturer is reading or talking in a monotone. This will be worse when you are reading PowerPoint slides while you are lecturing. This is not lecturing and it is simply death by PowerPoint. Preparing for a good and quality lecture is not that much easy and it is a time consuming task. If you as a lecturer are not enthusiastic about your teaching materials then your students will not be either.

First of all, you need to develop the lecture. You need to prepare for the lecture by reading, reading, and reading. Then only you can find new things related to the topic and you will become a subject experts on the respective area. Then you can do a good lecture and the students are the best people to give a feedback on your lecture and your preparation and organization indicate how confident you are in the subject matters.

Usually, a lecture should have a beginning, a middle, and an end. This is just the basic element of organization. At the beginning of the lecture if you can tell or put on the board or put on the slides the course objectives or the session outline would be good for the students. Then, can start the lecture with an attention-getting opening, such as by posing a question to the students. Even you can start the lecture by telling a story or real world example related to the topic that you are going to discuss by mentioning the most important concepts of the lecture and why these are important.

During your lecture, ask questions frequently to encourage students to speak up and to motivate them. Always make eye contact and talk to the students. Do not look outside or your lecture notes or PowerPoint slides while lecturing.

Conclude the lecture with a brief summary of the important points you made, and point out what they need to remember for the assignments and exam. Finally follow up the lecture with an in-class exercise or group activity. This gives students an opportunity to apply immediately what they learned.

There are nine (9) qualities identified of a great teacher/lecturer

1. Passion for the subject matter
2. Interested in student learning
3. Encourages students to express themselves
4. Seeks student commitment; calls them by name
5. Makes the subject matter relevant to “life”
6. Involves students in the subject matter
7. Flexible in the class; not afraid to deviate from the lesson plan to maintain student interest
8. Explains things multiple times in multiple ways
9. Cultivates independent thinking among students

---

There are different teaching methods used in the traditional classroom depending on the nature of subject, the facilities available and the number of students. Various teaching methods, tips and techniques for improving these methods are given below.

### **1. Lecture Method**

- It creates new ideas.
- It is good for large class.
- Teacher is experienced and has mastery on subject, explain all points and can answer all questions raised by students.
- Students can ask if they need any clarification.
- Learn through listening
- Teacher explains all points.
- Students give their input
- Teacher discuss whole topic in the class in easy language so students can easily understand the topic.
- It is good for large class.
- Teacher provides all knowledge related to topic.
- Time saving as teacher is supposed to finish lecture in time.
- Students give their views at the end of lecture.
- Students can ask question if they have any problem to understand lecture.Students attentively listen lecture and take notes as the teacher ask questions at the end of lecture.
- Students know and understand basic concepts.
- It creates new ideas.
- Teacher knows all the students so he/she can use suitable strategies for the class to make them understand.
- Teacher is experienced and has mastery on subject and can answer all questions by students.
- Teacher share information with students so it creates interest in students.
- Students are more involved and participate when teacher ask question.
- Teacher provides notes.
- Students easily understand every point.
- Students share knowledge with teacher.
- Teacher is role model for students.

### **2. Group discussion:**

- More participation of students.
- Students listen to other's opinion & express their opinion.
- Discuss with teachers the points that were missed during discussion.
- Students learn on their own& find out key points.
- Students exchange their ideas.
- Students get point of view of all and not only those who always speak.
- After discussion when students give their presentation, teacher corrects their mistakes.
- Students can make their own notes.
- The learning is more effective.

- They don't have to rely on rote learning.
- Develops creativity among students.
- Students have time for preparation of topic.
- Students should have material and knowledge before discussion. Suggestion
- Only those students participate who have confidence rest do not participate.
- Concepts become clear after discussion.
- Every student gives his/ her opinion.

### **3. Individual presentation**

- Students first thoroughly understand the topic before giving presentation i.e. mastery on topic.
- It increases confidence among students.
- Good way to learn for only one student who is presenting.
- Students search lot of books to collect material
- Teacher's supervision is important

### **4. Assignment**

- It enhances the ability of research on any topic as the students search topic from different books, websites etc.
- Active learning

### **5. Seminars**

- Give Chance to meet other people of same profession.
- Motivate and make student active in learning.
- Interested method.

### **6. Workshops**

- Give Chance to meet other people of same profession.

### **7. Role play**

- Interesting method
- Creative thinking is encouraged.
- Students think beyond their knowledge.
- Students enjoy the situation
- Active learning
- Easy to learn

### **8. Case study**

- Active learning
- Creative thinking is encouraged.
- Students think beyond their knowledge.

A questionnaire is prepared to obtain the students' perspective on different teaching methods (as mentioned in the above) are used in the traditional classroom and online teaching via Learning Management System (LMS) or Virtual Learning Environment (VLE).

**Figures 1 and 2 clearly illustrating the comparison among students’ perspective in faculties of IT and Management on teaching methods used in traditional classroom.**

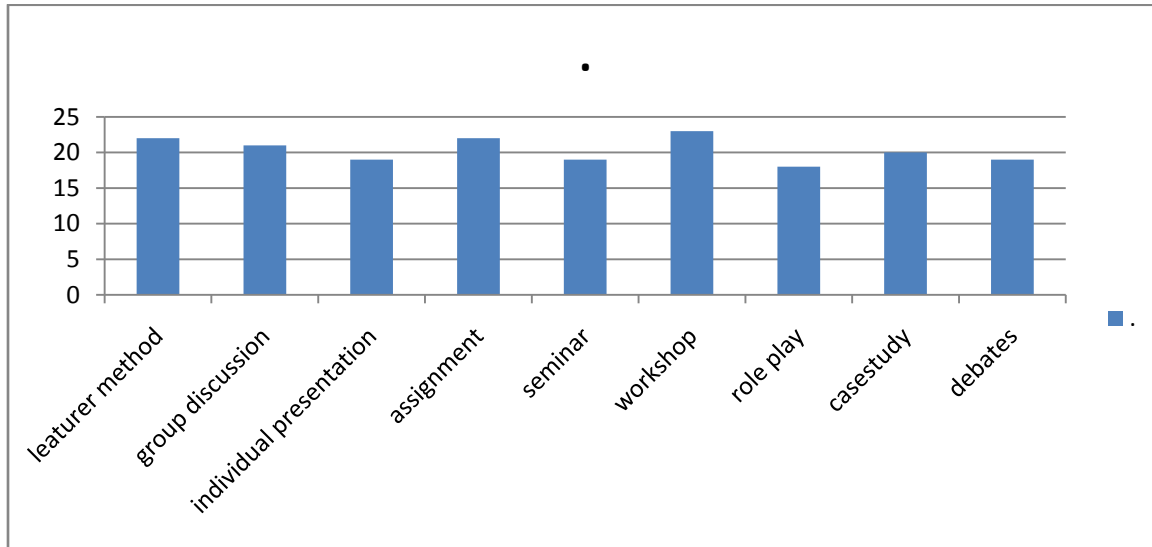


Figure 1-Faculty of IT students’ perspective on teaching methods used in traditional classroom.

As indicated in figure 1, Lecture and Assignment methods show 22% and 19% respectively, interest to students in the faculty of IT. The other interested teaching methods are Individual Presentations, Seminars and Debate. As shown in the figure 2, Group Discussion, Lecture Method, Workshops, Role Play, Assignment, Case Study, Seminar, Individual Presentations and Debate are the most interested to least interested teaching methods in traditional classroom in the faculty of Management.

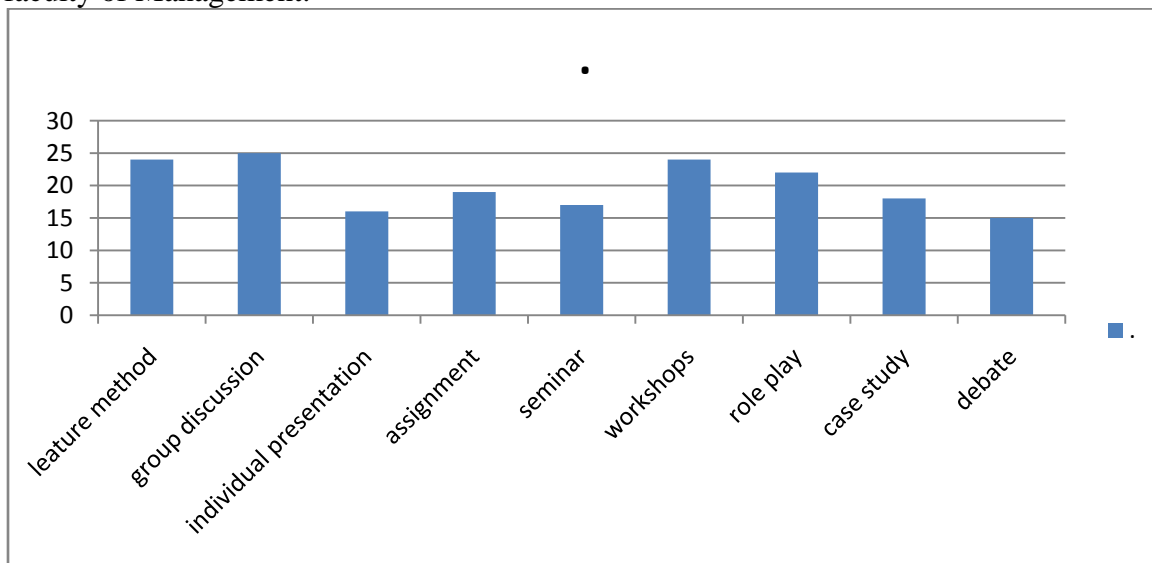
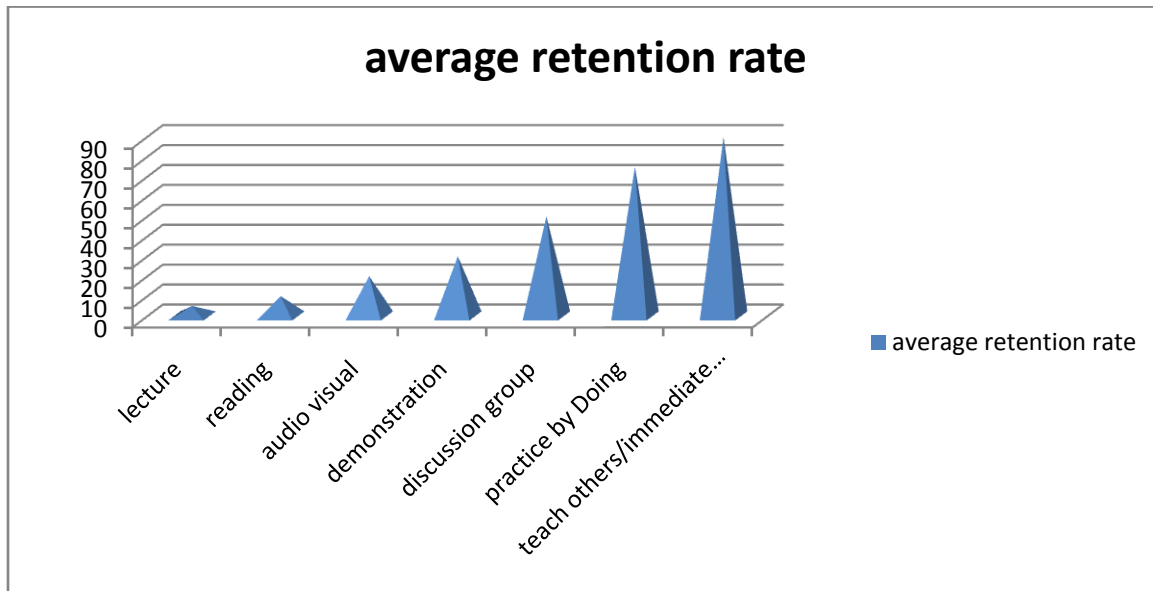


Figure 2-Faculty of Management students’ perspective on teaching methods used in traditional classroom.

Survey outcome clearly indicates that the workshop is the common accepted teaching method for both faculties of IT (23%) and Management (24%). Also Workshop is the most interested teaching methods of faculty of IT whereas Group Discussion is the most interested teaching methods of faculty of Management students which shows the overall ratings of 23% and 25%, respectively. Role Play teaching method is the least interested in faculty of IT which is having the rating of 18%. Debate is the least interested teaching method in faculty of Management with the rating of 15%.



As illustrated in the figure 3 the average retention rate is high in Teach others/immediate use of learning, Practice of Doing, Discussion Group, and Demonstration, Audio Visual, Reading and Lecture are in the group of low average retention rate in traditional classroom.

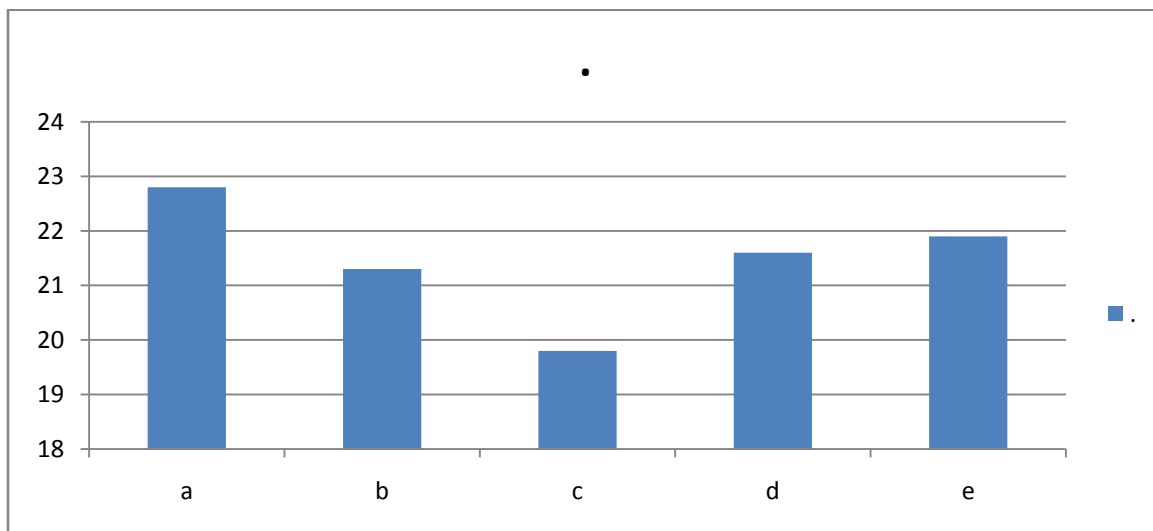


Figure 4-Faculty of IT students’ perspective on online teaching methods

Online Lecture Notes and Presentations (23%), Online Quizzes (22%), Online Assignment (22%), Video Recording of Lectures (21%) and Online Forums/Discussion/Debates with the lecturer/course coordinator/peers (20%) are the most interested to the least interested online teaching methods of the faculty of IT as indicated in the above figure 5.

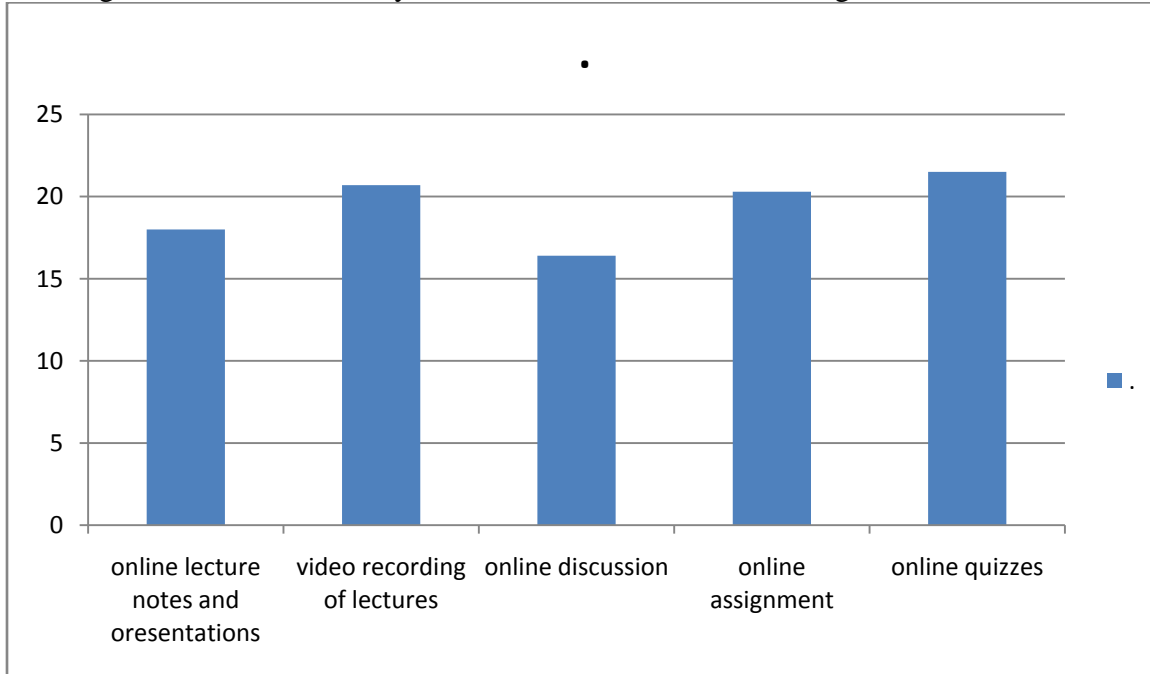


Figure 5-Faculty of Management students’ perspective on online teaching methods

As shown in the figure 6, Online Quizzes (22%), Video Recording of Lectures (21%), Online Assignment (20%), Online Lecture Notes and Presentations (18%) and Online Forums/Discussion/Debates with the lecturer/course coordinator/peers (16%) are the most interested to least interested online teaching methods in faculty of Management. By evaluating the survey outcome of the faculty of IT, the average of 3.63 out of 5, students are interested in traditional classroom teaching methods while the average of 3.87 out of 5, students are interested in Online teaching methods.

According to the survey outcome of the faculty of Management, the average of 3.22 out of 5, students are interested in traditional classroom teaching methods whereas the average of 3.10 out of 5, students are interested in online teaching methods. While using innovative and interactive methods in classroom and online teaching, through many other resources are also used to improve the learning quality such as Interactive Multimedia CD, Interactive TV, and Interactive White Boards.

**Reasons for selecting Classroom Teaching and Online Teaching Methods**

Through the survey form, we further collected information of reasoning to select traditional classroom teaching methods or an online teaching methods in IT and Management disciplines. Following table indicates major reasons of selecting the above approach.

Table 1 –Reasons for selecting Classroom Teaching Methods and Online Teaching Methods

Discipline	Classroom Teaching Methods	Online Teaching Methods
<b>IT</b>	<ul style="list-style-type: none"> <li>•Lecturer’s physical appearance is preferred</li> <li>•Lecturer’s personal touch and attention are needed</li> <li>•Prompt reply or solution is received for a problem</li> </ul>	<ul style="list-style-type: none"> <li>•Saves time and convenient for learning</li> <li>•Can access at any time and from anywhere</li> <li>•Assignment can be uploaded in softcopy form</li> <li>•Even during absence, can refer to the lecture materials</li> <li>•Online version of reference books are available</li> <li>•Related videos are effective on topics</li> <li>•Immediate results or marks can be received throughonline quizzed</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>• Lecturer’s physical appearance is preferred</li> <li>•Revisions sessions can be done</li> <li>•Lecturer’s personal touch and attention are needed</li> <li>•Issues with the Internet connection will not be affected</li> <li>•Student-Teacher interaction is high</li> </ul>	<ul style="list-style-type: none"> <li>•More effective</li> </ul>

**Conclusion :**

Based on the critical evaluation of survey outcomes, it is evident that the preference for teaching approach and the methods of teaching are differ based on the subject discipline. Majority of students in the faculty of Management are interested in classroom teaching but the majority of students in the faculty of IT preferred online teaching practices.

A good reasons for the difference is that the students in the faculty of IT are used to the technology as they are in the discipline and other students in the management discipline are not that much conversant with the technology. Another reason is that most of the Lecturers in the faculty of IT use Learning Management System (LMS) effectively. As a policy, faculty of IT provides less number of handouts (hardcopy form) and therefore students are committed to use online materials and involved with activities through LMS to fulfill some requirements of their modules. When we consider about classroom teaching practices, most of the students interested in Group discussions, Seminars and Workshops which have higher interaction among students and also with the Lecturer.

Most of the time Lecturers are concerned only about teaching and less priority for leaning factor. To become a good Lecturer, it is well known that the Lecturer should pay more attention to learning factor. It is vital that the teacher should identify the type of the learner in each class irrespective of the discipline. By doing this the Lecturer can select the best teaching method/s either classroom or online. Also the learner type is very much important when preparing assessment. Identifying learner types and use of appropriate innovative and interactive teaching methods, it is easy to improve the quality of learning and ultimately produce a good graduate.

**References :**

1. Barker, J., &Gossman, P. (2013). The Learning Impact of a Virtual
2. Demian, P., &Morrice, J. (2012). The use of virtual learningenvironments and their impact on academic performance.Higher Education Academy
3. Horizon Campus Virtual Learning. (n.d.). Retrieved from Horizon Campus:http://lms.horizoncampus.edu.lk/report/outline/index.php?id=31
4. Peiris, C., Wickramasinghe, S., &Peiris, S. (n.d.). Assuring Standards and Quality of Higher Education: Teaching and Learning. Asia Pacific Quality Network (APQN) Conference and AGM 2016.Natadola, Fiji.