MOVIE: An Effective Way of Studying Architecture
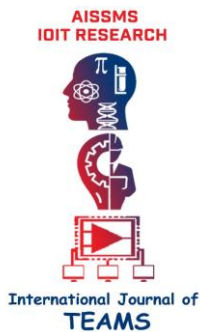## Dr. Akshay Wayal, Ar. Ketki Patil

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Article Information	ABSTRACT

India is famous for its Movies. Movies and Indians have a relationship like a mother and child. Everyone has seen movies some or other time and by watching movies we all have grown. Our Lifestyle somewhat depends on Movies and its cast. This paper relates Movies and Architecture as a Tool for architecture learning. Art can be studied by Visualization or Imagination. Every student who is enrolled in architecture must have creative, imaginative and visualization skills. Many times, it is the behavior of a student who gets tired by reading books and lectures conducted (Online/Offline). The curriculum of architecture is not studied in previous years from Std 1st to Std 12th, and it is difficult for academicians to teach by just showing a PPT presentation or Drawings on Blackboard. Students find it difficult to relate the space and scale of Building by just reading books, seeing the ppt presentation or by drawings. Most of the time it's difficult for teachers to arrange site visits or case studies for better explanation of subjects. To get a better Understanding of Basics of Scale, Space and Proportion Movies can be the best tool to study a building and its parameters. Movies play a vital role in everyone's life, from birth till growing age. Many movies have scenic, architectural, Historical, famous monuments etc. which can help both students and teachers to teach and learn in a more effective way. In this paper we will be discussing the ways which relate to BASIC DESIGN and how movies can make the teaching learning process simplified for better understanding and learning for every student.

Keywords: Architecture, Movies, Learning, Basic Design, Visual art

1. INTRODUCTION

Architecture, Buildings, structure's design, planning, and construction are all part of the multidisciplinary area of architecture. It is a science and an art that has developed over time, impacted by societal, technical, and cultural shifts. A combination of theoretical and practical knowledge, encompassing historical, cultural, social, and technological elements, are needed to study architecture.

Traditionally, lectures, books, and studio assignments have all been used to teach and learn architecture. These approaches might fall short of offering a thorough understanding of architecture, though. In addition to established approaches, films offer a novel and interesting way to study architecture by offering a visual and emotional experience.

The main subjects that films are utilized for in education include language, literature, and history.

Their promise to teach architecture, however, has not been fully realized.

As they may provide a distinctive and immersive picture of built environments and architectural design, films can be a terrific method to explore and learn about architecture.

There are certain films that are specifically on architecture and the architects who created it. For instance, films like "My Architect" and "Eames: The Architect and the Painter" provide light on the personal histories and creative output of renowned architects like Louis Kahn and Charles and Ray Eames, respectively.

Various architectural styles from various eras and places can be seen in other films that employ architecture as a backdrop or setting. For instance, dystopian and future architecture is used in films like

"Blade Runner" and "Metropolis" to establish the mood and atmosphere of the story.

In Indian Context many Bollywood Movies use historic locations for shooting. By watching movies, it's very easy to understand the Scale and proportions of the structure shown in the movie. Many Locations are not visited in their whole life, and by looking at the pictures our concepts about the structure and its physical properties are not clear. But watching a movie we can study the whole structure within a few minutes which can help anyone with the structure.

1.1. MONUMENTS AND MOVIES

Historical Monuments play an important role in studying and learning architecture, many students use books and internet for knowing more about the structure and its important, but many of us fail to study past and present scenario of and in around structure.

Structure like from Indus valley civilization till Indo Islamic architecture can be seen and many of us can have idea about the physical properties of the structure. Many movies have used the historical reference of the monuments for depicting a historical and fictional story. Many students and architects will always be able to relate it with architectural learning.

Not only historical but also many movies depict pre-post-independence and present buildings campus etc. which are always beneficial to the students, architects and faculties to explain, relate and teach anyone with the physical parameters.

2. FAMOUS BUILDING STRUCTURES

IIM, Ahmedabad Designed by Architect Louis Kahn.
Movie shot at this campus was "2 States" in this we can see clearly and study about the sizes of passages, human scale and structures proportion and mostly we can study the hostel room which is a private space, and which not allowed to study but, in this movie, we relate the scale and design of the block and it will surely helps anyone to study the architecture of the building.

Another good Example is of famous Movie "Rang de Basanti" in which many movie scenes have been shot in one of the famous buildings in Delhi "Indian habitat centre" deigned by Ar. Raj Rewal from this movies scene one can surely imagine the organization of spaces like courtyards, seating kattas etc, even we can see the use of natural light by giving truss with transparent material.

2.1. PROBLEMS FACED IN LEARNING

Problems and issues are always faced by students and faculties while teaching Architecture.

After a survey with the students of architecture we have found there are about five reasons which impact the students learning

- Lack of sufficient confidence
- Insecurity
- Linguistic barrier

- Phobia of Abilities
- Self-Study by Students

Lack of Confidence: Students frequently miss classes and fail to turn in assignments because they lack confidence. This has an impact on the students' final grades. Students also struggle with a lack of conceptual comprehension and falling behind other batches.

Insecurity: Strictness of faculty members is always a fear to every student. Due to this fear many students don't ask questions and fail to clear doubts about the questions.

Linguistic Barrier: Many students in Many institutions enrolled from different family background and different parts of the globe, many backgrounds of the students have different languages and not every student will be fluent in English language and not every faculty will be fluent in English. So, students might get problems because of English language or accent of the faculty to understand the subject taught.

Phobia of Abilities: Many students have been seen at times asking questions concerning previously taught topics, terminology, and other things. And the teachers, who are stern, try to scold the students. by asking them things like, "Why were you absent? Where was your attention? You are a lousy student. All of this discourages students from approaching teachers with questions, and others choose to skip class entirely.

Self-Study: Students should visit libraries, watch documentaries, explore buildings, structures etc. Self-exploration is lacking in this generation of students, and it should be motivated by teachers.

To Understand the other side of the coin (Problem) we surveyed about 30 samples from Teachers Side and major problems having been discussed below.
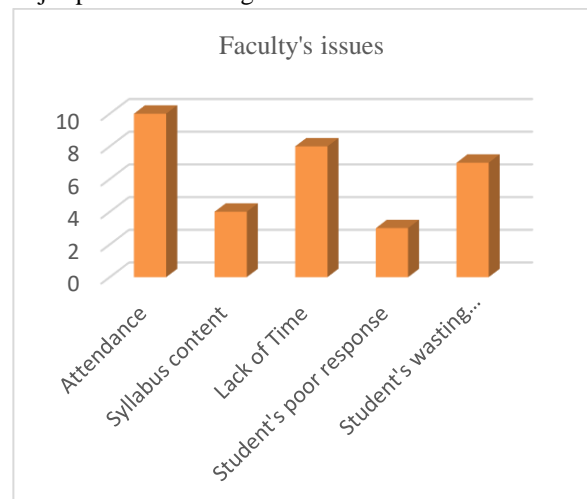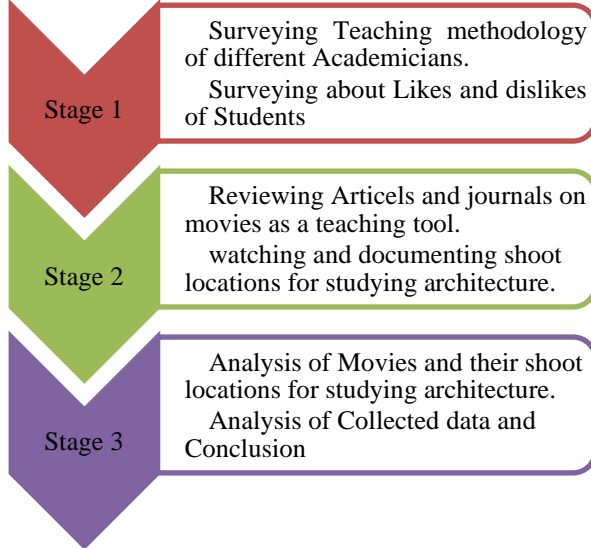

Table 1. Faculty issues

Some Issues which enlisted below after Survey
- **Techno Savvy:** Online from offline. Many faculties are not able to cope with digital media.

- **Attendance:** faculty lose confidence due to poor attendance of students.
- **Administrative Duties:** Many faculties have administrative duties so can't give their 100 percent in delivering knowledge to students.

3. METHDOLOGY

Stage 1
Surveying Teaching methodology of different Academicians.
Surveying about Likes and dislikes of Students

Stage 2
Reviewing Articels and journals on movies as a teaching tool.
watching and documenting shoot locations for studying architecture.

Stage 3
Analysis of Movies and their shoot locations for studying architecture.
Analysis of Collected data and Conclusion

4. RESULTS AND DISCUSSION

Fig 1. IIM, Ahmedabad (2 States Movie)

From the above picture the famous building can be analyzed. Human height can be used to determine the space-built ratio and height of the arch. For e.g. If the height of the actor is about 1.8 mts then the arch height will be around 2.5 mts. Approx. and the passage width would be around 5.0 mts to 6.0 mts wide.

This way we can use movies to study, explore and imagine the space its dimensions for students which are more helpful than books and images.

Fig 2. PK Movie (Mandawa, Rajasthan)

Another example and scene from the famous movie PK can be seen in the above image. From this picture study of traditional paintings on havelis can be studied,

even we can analyze different types of windows on the wall. The scale of the building can be studied approximately from the number of people sitting and person standing can be helpful in determining the lintel level of the building. Our varied and rich culture can be shown to the students for studying the buildings in and around India.

Fig 3. Rang de basanti (Indian Habitat Centre, New Delhi)

Another example and scene from famous movie rang de Basanti can be studied where we can study open courtyards and use of transparent roofing system. We can also see how light and shadow play an important role in architecture. Different materials, color schemes and organization of spaces can be studied in detail with this movie.

Fig 4. Ahilya fort, Maheshwar (Padman)

A great example of traditional houses and Maratha style of architecture can be studied from the Padman movie. The Whole fort complex of Ahilya fort and Maheshwar ghats are seen in this movie. The materials like stonework, use of Chajjas, Chhatris and courtyard planning with narrow lanes of houses can be seen and studied with the reference of movies.

Fig 5. Chand Baori (Rajasthan)

Not only Indian movies but also movies from Hollywood are being shot in India and as an architecture learner we can study buildings and their proportion scale from movies. The above images show the famous Chandi Ki baori in Rajasthan where we can relate its scale to humans and explore its grandeur.

A few monuments and structures which are always shown as an example to every architecture enthusiast are mentioned below.

Monument / Building	Movies
Taj Mahal	Jab tak hain jaan, Mohabatein, etc.
Maheshwar Ghats	Padman, Tevar, Genius
Pune and Camp Area	Badlapur
Amer Fort	Khoobsurat, Prem ratan dhan Paayo etc
Goa and Houses of Goa	Dear Zindagi, Singham

Table 2. Movies and Monuments

4.1. BENEFITS OF MOVIE AS A TOOL

From a faculty point of view, it makes it easy for faculty and students to explain about the space, its parameters, its physical properties, its current state etc. The student's participation will be always more in the lectures which have movie scenes.

More moving Visuals makes learning easy.

Issues like Language barrier can be solved by just seeing the movie.

Students will gain imaginative vision to see the surroundings and apply in the architectural journey.

4.2. OUTCOME OF MOVIE AS A TOOL

As per Interview conducted, questionnaire circulated and surveys collected by us, we have analyzed the data and the results were beneficial for faculty and students.
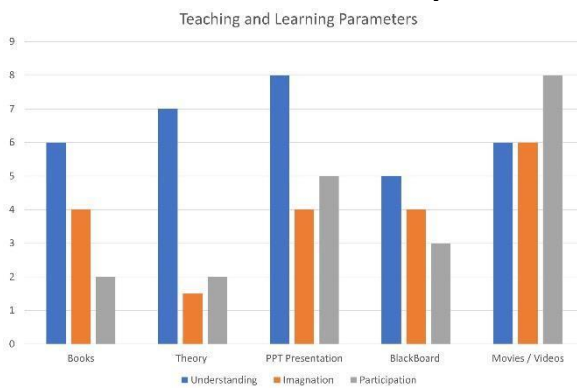

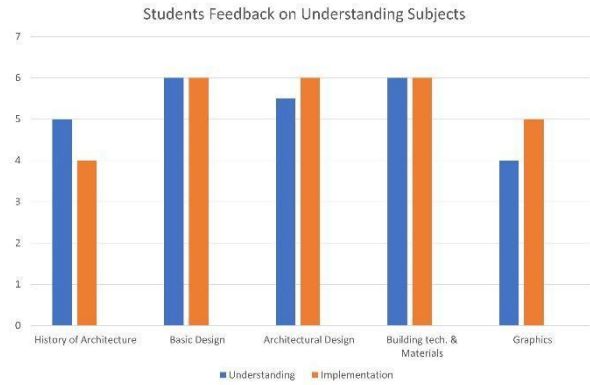**Fig 6. Graph showing Students feedback on Teaching Learning parameters.**

Fig 6. Graph showing Students feedback on Understanding Architectural Subjects.
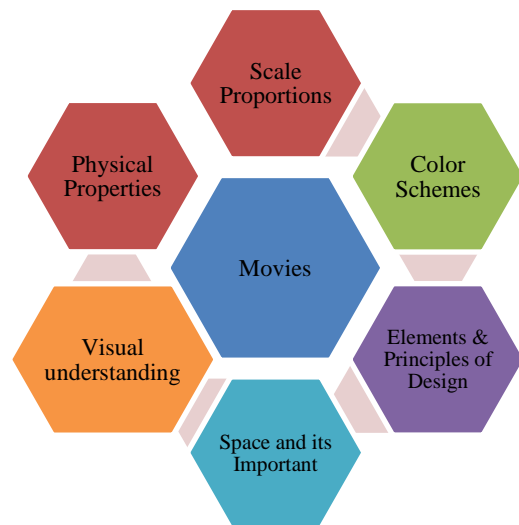
5. CONCLUSION

Fig. 7. Movies a Tool

Movies can play a vital role in learning and studying architecture.

Visual Understanding can be achieved by each Student.

Architectural Designs and landscape Design can be better studied with proportions with movies.

Physical Properties of space are easy to understand.

Role of Light, color schemes, scale and proportion can be identified and studied in a better way w\by watching a movie.

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