

# Digital Lesson Plan Management System

**Mayur Marskolhe**

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[mayurmarskole28@gmail.com](mailto:mayurmarskole28@gmail.com)

Chinmay Banabakode

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[Chinbanabakode077@gmail.com](mailto:Chinbanabakode077@gmail.com)

**Guide:** Ketkee Khadse

Department of Computer  
Engineering  
NIT Polytechnic  
Nagpur, India

[ketkeekhadsejitpoly@gmail.com](mailto:ketkeekhadsejitpoly@gmail.com)

**Ritesh Mohadikar**

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[riteshmohadikar084@gmail.com](mailto:riteshmohadikar084@gmail.com)

Krish Giri

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[krgiril166@gmail.com](mailto:krgiril166@gmail.com)

**Yash Gadpayle**

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[yashgadpayle87@gmail.com](mailto:yashgadpayle87@gmail.com)

Devanshu Khapekar

Department of Computer  
Engineering  
NIT polytechnic  
Nagpur, India

[devanshukhapekar@gmail.com](mailto:devanshukhapekar@gmail.com)

**Abstract:** - In numerous colleges and schools, lesson plans are even created and dealt with manually. This makes it difficult for teachers to properly organize their lessons plans and maintain them properly. Paper based lesson plans can easily be lost or damaged. Teachers also have to spend additional time on writing and updating lesson plans again and again. It is also hard for Head of Department (HODs) and administrators to review and monitor lesson plans as there is no centralized system for the same. For the solution to this problem, a mix, a Digital Lesson Plan Management System is developed. This is a system that can help teachers to create lesson plans digitally and keep them safely stored in one place. Teachers can access their lesson plans easily and update it and manage it without spending their time. The system also makes it easy for administrators to view lesson plans. This helps to reduce paperwork and save time.

Keywords-- Digital Lesson Plan, Management System, Teacher, Education, web application

## I. INTRODUCTION

Education is changing with the aid of digital technology. Many schools and colleges too are now using the computer to do their daily work. Earlier, the lesson plans were made and handled by teachers using old-fashioned paper. This method was not easy. It was hard to organize numerous papers. Sometimes lesson plans got lost, or got damaged. Teachers also had to spend a lot of time re-writing and re-updating lesson plans as well.

Lesson planning is very important as teaching. It helps teachers to plan what he or she is going to teach in the class. It also helps the teachers to teach in a proper and clear way. HOD and administrators also need to

review lesson plans as well. But in a paper version it is difficult to check and manage all the lesson plans.

To solve these problems Digital Lesson Plan Management System is made. This system helps the teacher to create lesson plans using computer. Teachers are able to store lesson plans securely in the system. They can also view and update lesson plans at any time. All lesson plans are kept in one place, thus making it easy to manage. This system also helps HOD and administrators to check lesson plan easily. They do not have to deal with papers. This is a time-saving and less paper consuming system. It makes the task of lesson plan management easy, fast, and safe. This system is beneficial for teachers and educational institutes.

## II. PROBLEM STATEMENT

Many teachers develop lesson plans on paper. It is hard to control and store papers. Sometimes lesson plans are lost or damaged. In addition, teachers must redraft lesson plans, thus wasting time. It is also hard to locate old lesson plans. HOD and admin cannot check lesson plans easy. There is no proper system in place to store lesson plans in one place.

A. Problems in Existing System - In the existing system, teachers use paper in the creation of lesson plans. It is more time consuming to write lesson plans. Managing a large number of papers is difficult. Papers can get lost and damaged, or misplaced. Teachers have to write lesson plans again in case they are lost. It is not easy to update lesson-plans. HOD and admin cannot keep a proper track of lesson plans. This is a slow system & is not efficient

B. Need of Proposed System -There is a need of digital system to deal with lesson plans. Digital system helps teacher to make lesson plan easily. It helps to keep lesson plans safe. Teachers can make changes to the lesson plans whenever they want to. It involves time saving and less paper work. Admin can check lesson plans with ease. All the lesson plans are kept in one place. This makes management easy and fast.

### III. OBJECTIVES OF THE SYSTEM

The objective of the Digital Lesson Plan Management System is to make the work of lesson plans easy and digital. In many schools and colleges, teachers use paper for the creation of lesson plans. This takes more time and is quite challenging to manage. This system is made to solve these problems. It helps teachers and the admins to manage lesson plans in a better way. This system saves lesson plans in a safe location and makes work easy.

A. Main Objectives - The main objective of this system is to help the teachers in creating lesson plans using computer. Teachers do not need to use paper. Teachers can type information of the lesson plan in the system and save it. The system ensures that lesson plans are safely stored in the database. Teachers can access lesson plans whenever they need them. Teachers can also make edits to lesson plans with ease. This is a system that saves teacher's time. It also reduces paper work. Teachers have the whole lesson plans for centralization. This makes the work on lesson plan simple and easy.

B. Additional Objectives - Another objective of this system is to help HOD and admin to check lesson plans easily. Admin can login in to the system and view lesson plans Admin does not have to check papers. This system helps store lesson plans in a safe and organized manner. It helps to maintain proper record of lesson plan. This system also decreases the possibility of losing lesson plans. It makes lessons plan management fast and safe. This system is good for schools and colleges. It helps the teacher and the admin to do their work easily.

### IV. METHODOLOGY

Methodology describes the operation of the system in terms of step by step how the system operates. The Digital Lesson Plan Management System allows the teachers and admin to create and manage the lesson plans using a computer. The system stores all lesson plan in database and assists the users to view and manage the database efficiently.

A. Teacher Module - In this module teacher log in to the system with the help of username and password. Upon being logged in, teacher can create a new lesson plan. Teacher enters the information such as name of subject, topic, date and other information. As separate lesson plans, teacher after filling in details saves lesson plan. The lesson plan is stored safely in the database. Teacher can access lesson plans at any time Teacher can also make lesson plans up to date if required to. This helps teacher to manage lesson plans easily and saving time.

B. Admin Module - The login of the admin to the system is Admin will be allowed to view lesson plans made by teachers. Admin can check all the lesson plan easily. Records of lessons plans can be tracked by admin. Papers do not have to be checked by the admin. All the lesson plans can be found in the system. This makes the work of the admins easy and fast. The system safely stores all data on the database.

### V. ADVANTAGES OF PROPOSED SYSTEM

The Digital Lesson Plan Management System is pretty good. This system is ideal because it makes work easy when it comes to lesson plan tasks. It facilitates the teacher and admin in keeping lesson plans in a digital form. This system is preferable to the paper system

A. Advantages - This system saves time for the teachers. Teachers do not have to write their lesson plans on paper. Teachers are able to create lesson plans on computer. This reduces paper work. Lesson plans are stored in the system safely. Lesson plans cannot be easily lost. Teachers have access to lesson plans at all times. Teachers can make easy changes to lesson plans. This system also helps admin. Admin can check for lesson plan easily. Admin will not need to check papers. Admin is able to track the lesson plans in the system. All the lesson plans are kept in one place. This makes work easy and fast. This system keeps data safe. It makes lessons plans management simple It reduces manual work. It improves efficiency..

B. Proposed System-The proposed system is Digital Lesson Plan Management System This system is computer-based system. In this system, the teacher's login and construct lessons plans. Teachers type in details of lesson plans and save it. Lesson plans are stored in the database through the system. Teachers have access to lesson plans at all times to view and update. Admin also login into the system. Admin is able to view check lesson plans. All lesson plans are stored away safely.

## VI. APPLICATION

- A. Use in Schools and Colleges-This system can be used in various schools and colleges. Teachers can create lesson plans using computer. Teachers are able to save lesson plans safely. Teachers are able to access lesson plans at any time. This is benefits teachers to manage their teaching work properly. teacher -HOD and admins can use this system. They can easily check lesson plans. They can follow the lesson plans of teachers. This makes their work easy and fast.
- B. use for Lesson Plan Management- This system is used to manage lesson plans in digital form. All lesson plans are saved into the database. This keeps lesson plans safe. This is a system that reduces paper work. It saves teacher's time and time of admin. lesson plan teacher management system it's easy, fast and safe. It is very useful for educational institutes.

## VII. CONCLUSION AND FUTURE SCOPE

- A. Conclusion- The Digital Lesson Plan Management System helps teachers to create and manage lesson plans easily. Teachers can build lesson plans on computer and save them safely. Teachers have

access to lesson plans on any occasion to view and update them. This system helps in reducing the usage of paper. This system also helps to check the lesson plan easily by admin. Admin can view lesson plans without the use of paper. All lesson plans are kept in one location. This system makes the management of lesson plans easy, fast and safe. This system is preferable to the paper system.

- B. Future Scope - In future, more improvement can be done in this system. This is system which can be made mobile app. Teachers can use this system on mobile phone. More functionality can be added in the system. Notification feature can be added. This system can be applied in a greater number of schools and colleges. Cloud storage can be added for safety's sake. This system can be made more useful in future.

## VIII. REFERENCES

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