



# LitWit - LEARNING WITH UNDERSTANDING

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*Abstract: A growing number of institutions have set up resources on their Web portal as a way to provide users (i.e. Students and Faculties) with information about their services and features. Generally, in colleges things are done manually such as handouts, notice (Internship and Placement updates), notes, etc. This often students find it difficult to access information that they need for managing their learning requirements. They need to have a single portal that caters to all their learning needs which will help them with the following features time-saving, easy access and user friendly, etc. LitWit Portal aims to design web portal-based solutions for institutes where all the facilities will be provided online for various things like E-Learning, E-Notes, E-Resources, etc. This portal helps the students to give ideas about how to build a good resume with the help of the resume maker. It guides the students in their interview preparation. Through the interview experiences of the experienced one those who already faced it themselves. This particular portal helps the students understand their doubts much faster. They can chat with the same peer age group or with an expert faculty either by dropping a message in the comment chatbox or chatting with that particular peer or faculty. This reduces the time for a student to get a clear idea about the solutions.*

**IndexTerms - E-notes, E-learning, Online Learning, Portal, Student**

## I. INTRODUCTION

Education plays a vital role in student life, as it results in success. Sometimes students find it very difficult to get accurate solutions for their doubts while studying, as at times there are many resources that are available online. It becomes very difficult and time-consuming to understand which ones suit their needs.

Students would find it almost impossible to wait till the next day to clarify their doubts with their teachers. And even the teacher would also not want the students to waste their time.

Today's education scenario is rapidly changing due to the advancement of technology. With the help of technology, this can be achieved by creating a web portal as portals are increasingly popular nowadays, enabling development and maintenance is very easy. We are designing a web portal LitWit, which will provide students with E-NOTES, E-RESOURCES, E-LEARNING, etc.

This particular portal helps the students understand their doubts much faster. They can chat with the same peer age group or with an expert faculty either by dropping a message in the comment chatbox or chatting with that particular peer or faculty. This reduces the time for a student to get a clear idea about the solutions.

This portal also helps the students to give ideas about how to build a good resume with the help of the resume maker. It guides the students in their interview preparation. Through the interview experiences of the experienced one those who already faced it themselves..

## II. LITERATURE SURVEY

[1] Empirical studies on web accessibility

This paper proposes the utilization more of web accessibility this gives the conclusion that websites, tools & technologies are designed and developed so that people with the disorder can use them

[2] Educational – Smart paedology Teaching Learning portal

This paper involves necessary a lot more information about creating a web portal based on finding tutors from any location for any subject

[3] Design of an academic web portal

As today's education scenario is rapidly changing and demanding, students demand a higher level of access to information regarding their opinions. Their performance, learning environment, and much more, considering these requirements a web portal has been developed which all about that paper has information about. The web portal named E! click will provide facilities such as submission, handouts, notices, results, record

[4] Developing and Implementing a Web-Based Platform for Skills and Knowledge Exchange

The platform aims to establish partnerships and cooperation agreements with regional and international lending institutions to exchange and develop skills and expertise. Its exchange of skills within the community through a free electronic platform

### III. DESIGN AND DEVELOPMENT OF THE APPLICATION

The student or teachers have to register and after that students or faculty can use the login credentials and access the notes of particular subjects in an organized manner, can clarify their doubts with either their peer group or with expert faculty to clarify their doubts instead of wasting time searching on the internet or wait till the next day to meet that faculty and clear their doubts. The website will also provide the latest job notifications which is useful for the students who are in the last year of graduation, also help in resume making which will make their resume different from other candidates attending the interview and a chance to be placed much faster. There is an option to share their interview experience which will help the remaining students to understand the process of the interview and prepare according to that way. They can also clarify their doubts either privately or comment their doubts in the comment box, and can do video calling to clarify their doubts in the subjects.

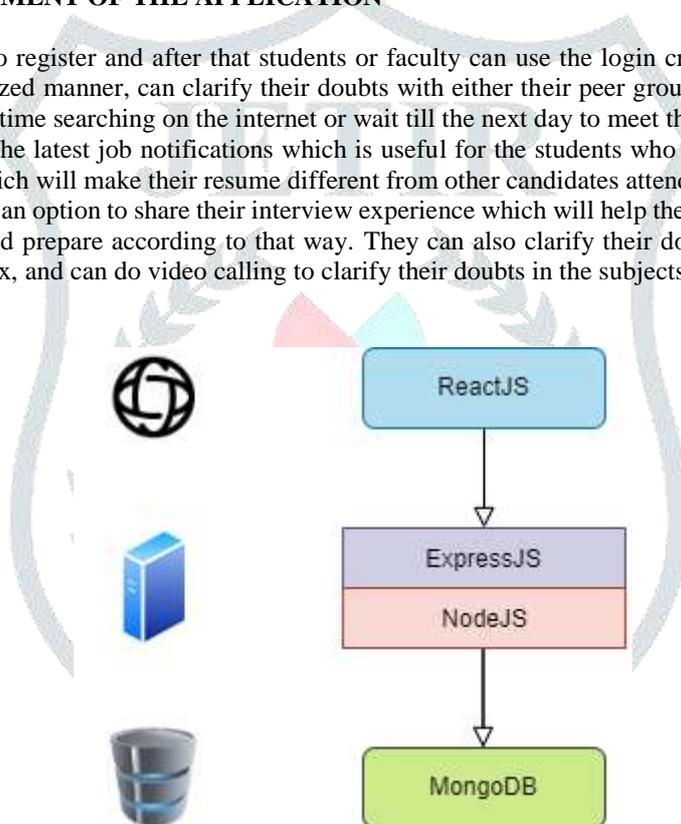


Figure 1.1: MERN Stack

The MERN stack's dominance in web development is that each line of code is written in JavaScript, which is a nearly universal programming language since it is crucial for both server-side and client-side code. By using a single programming language, the MERN stack terminates the need for context switching and greatly simplifies the full development process, giving web developers the tools to fabricate well-ordered web applications with far less effort.

The combination of technologies in MERN Stack makes it ideal for developing wide different types of apps. It permits fast and easy deployment of apps. Since developers who work on the MERN Stack know all four components, it also acts as a cost-effective process of development.

### IV. APPLICATIONS OF LitWit

The basic approach in this project is to provide free-of-cost study materials and resources of computer science subjects to the student. To help the student to understand their doubts much faster, they can chat with the same peer age group or with an expert faculty.

LitWit portal provides features:

- **Resume maker** wherein the students who want to create a resume can design it by using our feature we even provide some tips and tricks about how to make it more effective and attractive to the reader.
- **E-notes, E-video links, E-study materials**
- **Sharing interview experiences**, wherein the students who already got placed can share their views regarding it and help other students to achieve success in their career.
- **Doubt Clarification medium** - here the students can pose their doubts by using two mediums, the first one being the comment box wherein the students can ask questions publicly which will be open to everyone. The other one is a chat box wherein the students can raise their doubts in a one-to-one medium being a private conversation between two people.
- **Profile** - In this feature, the most rated notes or study materials will be badged by which it helps the users to refer to those materials rather than checking all the notes that are present on the website.
- **Video learning** - This feature helps the students with the best interaction and doubt clarification medium. The websites that are present to date have doubt clarification medium in a text-based format but there is no implementation of video clarification option. This usage of the video clarification option provides the students with the best interactive experience with their mentors.

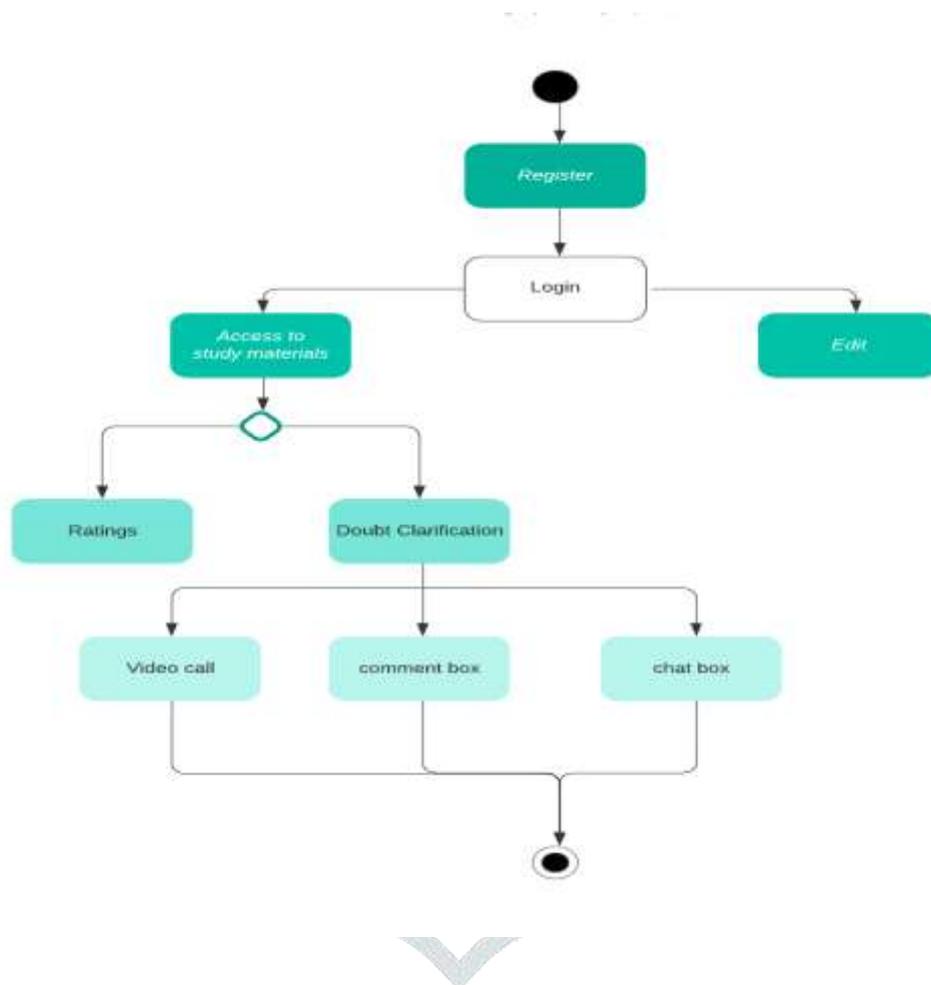


Fig:1.2 Working of Application

## V. CONCLUSION

Creating portal pages to provide additional content for students, as well as other capabilities include providing a better understanding platform to the student throughout their academic way, by this, we are creating a strong nurtured technical rooted human being. We are contributing a high contented based data freely to all curious headed students.

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