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EDIFY

A platform to enhance your skill and portfolio.

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Abstract: Edify is a website where students will get to enhance their skills by completing tasks/challenges and also by taking the course. This website will be the place where they can showcase their achievements as well as the project they worked on. Companies can take a look at their works and their journey companies can also invite them for interviews. Edify could be the medium for fast Internships/Jobs. It will not only polish their skills but also help them to write code confidently and efficiently. In today's world company not only wants excellent students but also well-skilled. In order to maintain/gain a skill, a student needs a guide. There are hardly any website/app which provides a proper guide, although some SAAS product does provide but they charge for their services. Many students face difficulties getting an internship because they are unsure/confused with their career option. They don't have proper guidance which leads to learning things in an unorderly way which then leads to not having sufficient knowledge about a certain language so as apply it in real life. An efficient way to learn is by following an appropriate pattern. Edify gives students the road map to develop their skills and be internship ready. Edify will be an opportunity for many students as they will not only learn courses but also participate in multiple coding challenges along with tasks to test their skills. Edify provides numerous options to explore career opportunities and choose their desired field. Based on what the student desires/chooses, we guide them throughout his/her journey from beginner to Master. As he progresses with his journey, our website will keep building his portfolio so that at the end of the course he/she is internship ready.

Keywords: **Courses, Portfolio, Skills**

I. INTRODUCTION

The internship market today is almost as competitive as the job market and trying to land a good internship can prove to be quite difficult. Forget about paid internships getting an unpaid internship too might seem like a herculean task. Having appeared for innumerous interviews and sent many more applications over the last few months but no matter how close you get to the getting an internship something or the other takes the opportunity away from you at the last moment. Well, then it's high time to consider where is it that you are going wrong or lacking to catch the employers interest.

Edify is a website where students will get to enhance their skills by taking the course. We give students the opportunity to develop their skills and be internship ready. We provide beginner to master guidance to a student where he/she can explore different career skill and choose from what is best for his/her interest .It will be an opportunity for many students to come and get skills by taking up the course and enhancing their portfolio getting yourself closer towards getting an internship.

II. PROBLEM STATEMENT & OBJECTIVE

In modern world the companies does not only want a student with excellent score but also a he/she should be well skilled. As many MOOCs product does provide courses but it usually leads to improper guide. This not only waste a student money but also their valuable time.
Many MOOCs provides free online courses but charge for the certification. Hence this is one of the major disadvantages of the product, as certification is very important for a student to showcase his/her skills in his/her portfolio. There is a higher chance for a student to get selected/hired when he/she has done certified

course/courses. As students does not build up his/ her resume right from the beginning we keep their data in their profile so that they can refer later on and utilize it to assemble his portfolio.

III. LITERATURE SURVEY

Case study 1: MOOCs

In recent years, massive open online courses (MOOCs) have gained popularity with learners and providers, and thus MOOC providers have started to further enhance the use of MOOCs through recommender systems. This paper is a systematic literature review on the use of recommender systems for MOOCs, examining works published between January 1, 2012 and July 12, 2019 and, to the best of our knowledge, it is the first of its kind. We used Google Scholar, five academic databases (IEEE, ACM, Springer, ScienceDirect, and ERIC) and a reference chaining technique for this research. Through quantitative analysis, we identified the types and trends of research carried out in this field. The research falls into three major categories: (a) the need for recommender systems, (b) proposed recommender systems, and (c) implemented recommender systems. From the literature, we found that research has been conducted in seven areas of MOOCs: courses, threads, peers, learning elements, MOOC provider/teacher recommender, student performance recommender, and others. To date, the research has mostly focused on the implementation of recommender systems, particularly course recommender systems. Areas for future research and implementation include design of practical and scalable online recommender systems, design of a recommender system for MOOC provider and teacher, and usefulness of recommender systems.

Access to higher education can be restrictive and expensive but it can also be improved by implementing enhanced and novel methods and solutions. Massive open online courses (MOOCs) are a potential solution that have been used for more than a decade. Their spread is enabling learners to satisfy learning needs in an open, participatory, and distributed way. The term MOOC was first introduced in 2008 when the course Connectivism and Connective Knowledge was offered by George Siemens and Stephen Downes (Downes, 2008). Siemens designed this course according to the principles of connectivism, and due to the vast number of participants, it was named a massive open online course (Adham & Lundqvist, 2015). In 2011, at Stanford University, a MOOC different from Siemens and Downes' was designed. Learning objectives and plans were defined, and it followed a traditional teaching style (Sunar, Abdullah, White, & Davis, 2016). This is known as a content-based MOOC. Currently most MOOCs are not designed on the principles of connectivism, but instead are MOOCs. The number of MOOCs and the number of students registered in MOOCs are growing every year. By the end of 2018, more than 900 universities were offering MOOCs with 11,400 courses available, and around 101 million students had registered in them (Shah, 2018), providing learners with a wide variety of choices.

With such a high number of courses available, learners now face the problem of selecting courses without being overwhelmed. With the increase in e-commerce and online business, the number of users attracted to online Web services has increased. Both MOOC providers and online businesses advertise their courses and services while learners search for courses that match their interests and needs. In these situations, recommender systems play an important role, and have attracted the attention of researchers. Recommender systems are algorithms and techniques that recommend matching and relevant courses or services to the learner depending upon their interests, information about which comes from learner profiles and histories gathered by the systems. Recommender systems help MOOC providers grow and learners find more appropriate and customized services tailored to their personalities and interests. An example is provided below. Mark has a free slot in the evening, and he wants to polish his professional skills by registering in a parttime course Introduction to Java. Mark has no idea about the course, and he does not want to waste his money on something that will not help his career. What will he do? Mark has different options: he can ask his friend who has completed this course, or he can observe details of the course, such as the content, length, pre-requisites, and instructors to reach a decision. In this case, Mark is searching for recommendations or inferring data to generate a recommendation for himself. What should we do if we face the same problem in our online learning life? We could use recommender systems, which help diminish information overload. Recommender systems discover patterns in considerable datasets to learn the preferences of different users and predict items that correlate to their needs. Here item is a generic term that represents any course, learning element, book, service, application, or product. Recommender systems mostly use machine learning and data mining techniques to achieve their goals (Ricci, Rokach, Shapira, & Kantor, 2010). These systems are used intensively in e-commerce and by retailers to lift their sales and audience and now, increasingly, for learning purposes in MOOCs.

IV. LIMITATIONS OF EXISTING SYSTEM

In today's time products that provide MOOCs services does not come for free, they give too many option for one particular course which leads to a student get a course Like many MOOCs, the product does provide courses but it usually leads to improper guides. This not only wastes a student's money but also their valuable time. Many MOOCs provide free online courses but charge for the certification. Hence this is one of the major disadvantages of the product, as certification is very important for a student to showcase his/her skills in his/her portfolio. There is hardly any MOOCs product that provides an all-rounder feature for a student. A product that provides every necessary is considered to market worthy.

V. METHODOLOGY

Since there are hundreds of website that provides MOOCs services. They all have multiple choices for one particular course which often confuses the student to select the suitable course for him/her. Edify will provide a course that will cover every possible topic that a student needs to become a master of that language/course. He/she may choose to skip from beginner to intermediate or intermediate to advance if s/he already have knowledge of basics of the course. To skip an entire section of a course s/he needs to take an assessment test if they pass that test only then they are allowed to move on to the next section of the course.

There is a different section dedicated to all those who are familiar with the concept and wants to practice/test their skills they can participate in such tournaments. This will help a student write code in a more efficient way, a way that is used to change worldly problems.

As a student progresses, Edify will keep their records and achievements in their profile to showcase their skills.

In the modern world, there are many career opportunities for students in the computer field, a field many students don't know that is relevant to their interests. To overcome these kinds of problems edify is building an AI that will take a quick test on user interest and show him/her a list of careers he/she can explore

For a student, a portfolio is a pillar for building his/her career. .In order to build a strong portfolio a student needs a proper course. A student does not only needs a proper course but also some practice under guidance. .Certified courses is a key to stand out with your portfolio. Most freshman year student is unsure about their career options and they feel like exploring more opportunities, hardly any MOOC product provide a guide and provide free certified courses. Edify provide beginner to master guidance to a student where he/she can explore different career option and choose from what is best for his/her interest. As career exploring is very important for a student, so is moving forward and learning their desired course. Implementation of skills in real life problem is also very crucial and Edify encourages student to participate in different challenges and task. Through Edify, we assure the students to be skilled and be Internship/Job ready.

5.1: Design Details

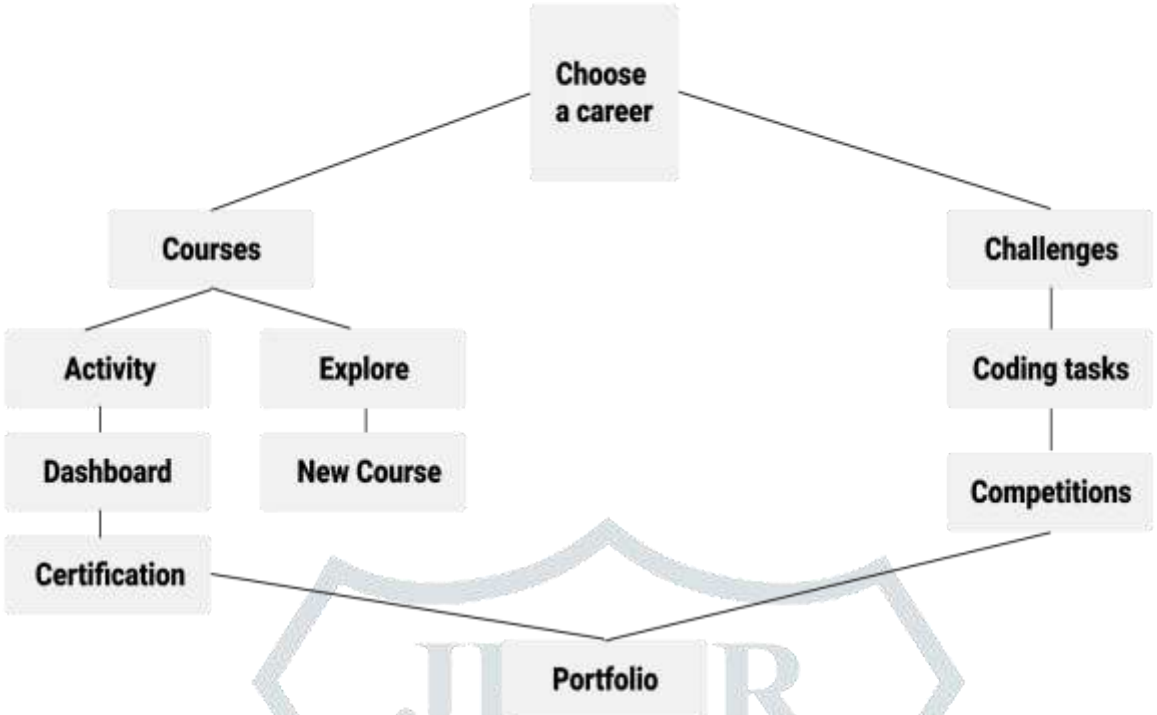

Figure 5.1 Shows the user flow

In our project we have two modules the web page and mobile application. In the web page we have the shopkeeper's login (Admin login). An admin can add the products and delete the products. An admin can also view the products that mobile application users have added. Admin can also delete the user. The other module is Mobile Application. Firstly, the user has to register himself to our application and login into our app. Then the user can read the details of the product using NFC tag on the product. The user can add the the product he wishes to purchase. The user can make payment through the E-wallet present in the app.

The purpose of this research is to shed light on MOOCs, which would constitute a qualitative leap in the development of teaching and learning in universities. The above literature review indicates one conclusion emerging, MOOC's has some impact on higher education. Educators and policymaker and local researchers should investigate the effect of MOOC in higher education. Teaching and learning may face challenges and constraints when MOOC's are introduced to the Saudi higher education system. This research seeks to explore the impact and collect enough data on how MOOC's affection the learning outcomes. Comparing with the findings of other studies is one means of identifying the challenges students face when taking MOOCs. It has been challenging to find, through research, a means to evaluate students' work. The reason for this difficulty is that researchers have a sense of working in lack of information caused by the absence of immediate student feedback, the heavy demands of time and money, and a lack of student participation in online forums (Hew & Cheung, 2014). Though this study started before the COVID-19 pandemic, it is worth mentioning how the sudden shift in all educational institutions in Saudi Arabia, as well as the whole world, rely on eLearning to continue the student learning process form homes. There have been successful transitions amongst many KSA universities. However, there are challenges to overcome, such as well design academic course. Many instructors turn to MOOC's for supporting their academic courses. Thus this study focuses on the faculty feedback when using MOOC's. Alharthi Study (2016) examined the requirements for the Saudi Universities to implement MOOC's and students and faculty attitudes towards MOOC. Which conclude faculty show positive attitudes towards MOOC's and realize the need for implementation. This study fills the gap with previous studies done locally in the subject.

VI. Conclusion

MOOCs represent the prolongation of the numerous experiments already performed in the areas of distance learning and e-learning. MOOCs are becoming the most visible aspect of the "Open Educational Resources" (OER) movement, which is expanding and will, like open-source software, generate business on the side. Indeed, it is possible to imagine that a private tuition service might develop around the best MOOCs. If that MOOC remains free then there can be no doubt that the movement is meritorious and should be encouraged. Lifelong learning is desperately lacking in many countries, as is training for the careers of the future. New generation learning centers or ad hoc centers could have meeting rooms for those pursuing a given MOOC who wish to meet up and talk in person, meet with tutors or other people who have already completed the MOOC, or who have a good knowledge of the subject in question.

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