**A RETRIEVAL SYSTEM FOR STUDY PAST EXAMS QUESTIONS FOR STUDENTS**

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**1.1 INTRODUCTION**

An examination is defined as the assessment of a person's understanding of their knowledge. A formal test may be used to conduct the evaluation. The exam is taken to evaluate a student's proficiency in a particular subject. Examinations can take many forms, including written tests, oral exams, practical demonstrations, or a combination of these methods. The purpose of an examination is to determine a person's level of knowledge or skill in a particular area and to provide an objective measure of their abilities. As a student in higher institutions, the importance of exam preparation cannot be overemphasized because it helps you to gain a better understanding of the material you have been studying. (teachmint, 2022)

In preparation for an exam, there are a few things you can do to increase your chances of success. ensure one understands the material that will be covered on the exam. This means going over your notes, attending review sessions, and asking your lecturer for clarification on any topics you don't understand. Second, create a study schedule and stick to it. This will help you ensure you have enough time to review all of the material before the exam. Most importantly, the study and use of past questions by students can be an effective way for them to prepare for an upcoming exam. Past questions provide a great source of insight into the types of questions that may be asked and the topics that will be covered on the exam. By reviewing past questions, students can become familiar with the exam format, the types of questions they may be asked, and the topics they should focus their studying on. In addition, past questions can be used to identify areas of weakness and improve studying strategies. (Writer, 2022)

A retrieval system for past exam questions by students will be a web-based platform. This platform could provide the students with access to a database of past questions from various courses and departments. The platform could also enable the students to search, filter, and sort past questions to find the ones they need. In addition, the platform could provide students with the ability to create their own collections of past questions and store them in a personal library. This could help students easily access and review the questions they have already seen.

**1.2 STATEMENT OF THE PROBLEM**

The success rate of student’s exams depends on how well prepared they were before each exam, it is no doubt that past questions of exams are essential for preparing for exams regardless of the high institution, access to these examinations past questions is actually difficult since it was done before the particular student session. Students have to visit the different business centers or café to seek past questions. It is quite uncertain if they will get the past questions, this task is repeated each semester which obviously the stress involved is cumbersome, or ask students from the previous session who might have misplaced or thrown them away since they are done with the semester which brought about the idea of developing a central e-hub for retrieval of the past question for students to boost student exam success rate.

**1.3 AIM AND OBJECTIVES**

**A past exam question paper retrieval system for students and the objectives of this research work are as follows**

1. To design a working platform where past question papers can be retrieved and stored for posterity reasons.
2. To implement a system where students can find very important resources for them to work with, especially in times of examination preparation
3. To evaluate how efficiently the system manages the information stored on it.

**2.1 LITERATURE REVIEW**

**Kayode, A. A., Adeniyi, A. E., Oluwaseun, R., Ogundokun, & Ochigbo, S. A. (2019). An android-based blood bank information retrieval system.**

Over the last decades, blood bank record keeping has been done manually utilizing a paper file management system, which is sluggish for information retrieval and processing and also prone to mistakes in an emergency case. Materials and procedures: This study addresses the aforementioned issue by developing both a web-based and an Android-based blood bank information retrieval system. The online application is used by system administrators at various blood banks to update their available blood inventory information, and the mobile application, which includes a mobile search engine, is used to search for blood supplies from registered blood banks. A component of the system also allows registered blood banks to send a notification to registered blood donors on the application seeking blood donation.

**Agboola, B., & Shaibu, R. (2019). The Impact of ICT on information retrieval systems in academic libraries**.

The purpose of this study was to assess the influence of information and communication technology (ICT) on information retrieval systems in academic libraries. The study was directed by three objectives, three research questions, and four commendations to reach the goal of this research. The survey research design was used for the study, and data was collected using a questionnaire as the instrument. The information gathered was examined using descriptive statistics, frequency counts, and percentages. Education, security, politics, business, infrastructure, and social amenities are all regarded economic resources that boost country development and other resources. This viewpoint is supported by evidence that the possession, manipulation, and use of information and communication technology may improve the cost-effectiveness of many physical and cognitive functions. As a result, modern ICT facilities in academic libraries such as computers, internet, intranet/extranet, local area network (LAN), printer, scanner, machines (photocopy, bindery, and laminating), broadcasting technologies (radio, public address speaker, and television), projector, and telephony, among others, are required for an effective information retrieval system and service delivery.

**Gil, A. B., de la Prieta, F., Rodríguez, S., & Corchado, J. M. (2019). Smart system for the retrieval of digital educational content.**

Education is a significant producer, user, and depositary of instructional information. Today's instructors and students have ubiquitous and on-demand access to knowledge because to technological advancements. We can now connect and exchange information from anywhere in the globe thanks to advances in technology. The availability of huge volumes of diverse educational information, on the other hand, would be useless unless we search, retrieve, and integrate it, therefore building interoperable educational environments. The existing difficulties in integrating instructional information stem from its dispersal across several sources. AIREH (architecture for intelligent retrieval of educational material from heterogeneous settings) is proposed in this study for digital content retrieval using agent-based virtual organizations. Through an information retrieval approach that incorporates both case-based reasoning and federated search, this adaptable architecture supports the search for and integration of diverse material. AIREH is also built on an adaptive organization paradigm for distributed planning, which allows it to handle open systems flexibly, dynamically, and effectively. The case study results are quite encouraging and highlight the benefits of deploying agent-based virtual organizations in the retrieval of tagged digital information. The suggested model is adaptable, adaptable, comprehensive, and efficient.

**3.1 METHODOLOGY**

The research approach is a rigorous investigation like this to uncover new facts or information about the existing system. This study’s research employed the primary and secondary source of data collection.

**Primary Source of Information**

This comprises information that is collected directly or indirectly from target users without any alterations or ideas from other authors. The information from this primary source is deemed more accurate and reliable. Hence, the aim is to assimilate the information gathered from this source into the project in order to meet requirements. The chosen fact-finding techniques for the primary source data gathering are: interview and observation

**Secondary Source of Information**

This basically comprises the totality of information someone is able to obtain from existing sources such as books, the internet, case study, articles, newsletter, and other valuable publications. The resources gathered from the internet specifically have been very relevant, various search engines especially Google made information finding very easy.

**3.4 CHOICE OF PROGRAMMING LANGUAGE**

This research work will be a mobile-based application and will be implemented on a relational database system (SQLite). HTML, CSS, and JavaScript will be employed in the front end while Django (python) will be employed for the backend programming. The above are the modern languages used in implementing this system.

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