**QUESTION BANK**

**PROJECT REPORT**

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*For the award of the Degree of*

***Bachelor of science (B.Sc.)***

***In Computer Science***

*(University of Calicut)*

**

**AMAL COLLEGE OF ADVANCED STUDIES, NILAMBUR**

*(Affiliated to the University of Calicut)*

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Date:

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**DECLARATION**

We, here by declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person or material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text

Place: NILAMBUR Signature:

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**CERTIFICATE**

This is to certify that the project report entitled QUESTION BANK submitted by ILYAS BABU (Register Number: AZATSCS036), MUFEED K (Register Number: AZATSCS003), SARATH CHANDRAN (Register Number: AZATSCS011), SHAFEEQ BADHUSHA (Register Number: AZASCS020) to University of Calicut for the award of the degree of Bachelor of Science (B.Sc.) in Computer Science is a bonafide record of the project work carried out by him/her under my supervision and guidance. The content of the report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.

Signature

Mr.Shakkeel Juman

Head of the Department

Department of computer science

Amal college of advanced studies

Myladi, Nilambur

Place:

Date:

(Office seal)

Certified that the candidate was examined by us in the Project Viva Voce Examination held

on........................................... and his/her Register Number is .....................................

**Examiners:**

1.

2.

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**Abstract**

‘QUESTION BANK MANAGEMENT SYSTEM’ is a web application which is used to access previous year questions that were asked on various exams on different subjects of various departments across various universities. It allows users to access questions easily by using search feature and categorisation feature, users can even sort questions based on various conditions like ‘important’, ‘most asked’, etc. Users can also add questions when logged in and verified successfully. An admin or moderator can have the access to verify the questions added by the users and can decide whether the question should be shown on the webpage or not and can add more universities, departments and subjects. A super-admin will have the complete privileges on the web app, i.e. can add/remove moderators, add/remove users etc.

**Key features of the project**

* Users can view questions based on different categorisation and sorting.
* Trustworthy, because questions will only appear after verification.
* User friendly.

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CHAPTER 1

**INTRODUCTION**

This project is an web application which is used to access previous year questions that were asked on various exams on different subjects of various departments across various universities. It allows users to access questions easily by using search feature and categorisation feature, users can even sort questions based on various conditions like ‘important’, ‘most asked’, etc. Users can also add questions when logged in and verified successfully. An admin or moderator can have the access to verify the questions added by the users and can decide whether the question should be shown on the webpage or not and can add more universities, departments and subjects. A super-admin will have the complete privileges on the web app, i.e. can add/remove moderators, add/remove users etc.

The key aim of this application is to make the learning process easy by minifying the timing looking for previous year question papers as this provides all the questions and can be accessed easily.

CHAPTER 2

**PROBLEM DEFINITION AND METHODOLOGY**

**2.1 Problem Definition**

The project aims to solve the problem faced by the students while studying for exams. It’s difficult to collect each and every questions asked previously on exams, also it consumes lot of time in this process. And while looking for questions there will be also a possibility of human error.

**2.2 Project Overview**

This web-app can be used to access previous year questions that were asked on various exams on different subjects of various departments across various universities. It allows users to access questions easily by using search feature and categorisation feature, users can even sort questions based on various conditions like ‘important’, ‘most asked’, etc. Users can also add questions when logged in and verified successfully. There will be less chance of human errors since the moderators will be there for verification. The simple user interface will make the purpose of this project more efficient.

**2.3 Methodology**

AGILE methodology is a practice that promotes continuous iteration of development and testing throughout the software development lifecycle of the project. Both development and testing activities are concurrent unlike the Waterfall model. The agile software development emphasizes on four core values.

* Individual and team interactions over processes and tools .
* Working software over comprehensive documentation.
* Customer collaboration over contract negotiation Responding to change over following a plan.

Phases of Agile Model:

1. **Requirements gathering:** In this phase, you must define the requirements. You should explain business opportunities and plan the time and effort needed to build the project. Based on this information, you can evaluate technical and economic feasibility.
2. **Design the requirements:** When you have identified the project, work with stakeholders to define requirements. You can use the user flow diagram or the high level UML diagram to show the work of new features and show how it will apply to your existing system.
3. **Construction/ iteration:** When the team defines the requirements, the work begins. Designers and developers start working on their project, which aims to deploy a working product. The product will undergo various stages of improvement, so it includes simple, minimal functionality.
4. **Testing:** In this phase, the Quality Assurance team examines the product's performance and looks for the bug.
5. **Deployment:** In this phase, the team issues a product for the user's work environment.

**6. Feedback:** After releasing the product, the last step is feedback. In this, the team receives feedback about the product and works through the feedback.

**2.4 Purpose**

The web-app ‘QUESTION BANK MANAGEMENT SYSTEM’ can be used for accessing previous year questions that were asked on various exams on different subjects of various departments across various universities. It allows users to access questions easily by using search feature and categorisation feature, users can even sort questions based on various conditions like ‘important’, ‘most asked’, etc. Users can also add questions when logged in and verified successfully.

**2.5 Scope**

During this COVID-19 pandemic, the necessity of services based online platforms are high. The majority of our society is now depending the internet for learning purpose. This online platform aimed to reduce the time spent on internet for gathering study materials especially previous year question papers and hence improve the efficiency of students by avoiding unnecessary visits of various webpages and searches.

CHAPTER 3

**REQUIREMENT ANALYSIS AND SPECIFICATION**

**3.1 Existing System**

Conventional method of gathering previous year question papers include mainly offline ways of collecting from various sources and online from various websites. Conventional system creates many difficulties and consumes much of a students time. Also there will be a possibility of human error too. For example one may collect questions of same subject from another university, etc.

**Limitations**

* Consumes much of a students time collecting questions.
* There will be a possibility of human errors.

**3.2 Proposed system**

The proposed system is a web-app of question bank management system in which users can access previous year questions that were asked on various exams on different subjects of various departments across various universities. It will be easier and efficient method for students and as well as teachers to provide references.

**Advantages**

* Every questions asked on exams under one roof
* Easy and efficient for students and teachers.
* Manges students time well effectively