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| |  | | --- | | **Department of Information Science and Engineering** | | | | | |
| **Acharya Institute of Technology** | | | | |
| Acharya Dr. Sarvepalli Radhakrishnan Road, Bangalore-560107 | | | | |
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**DBMS Mini-Project Synopsis**

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|  | **Project Title: Online MCQ Exam Portal** | |
|  | **Submitted by:** | |
| **Name:** Ketan S Hegde  **USN:** 1AY21IS046  **Section:** A  **Email ID:**  ketans.21.beis@acharya.ac.in | **Name:** Mohammad Aamir  **USN:** 1AY21IS054  **Section:** A  **Email ID:** mohammadm.21.beis@acharya.ac.in |
|  | ***Tools used:*** Visual Studio Code, MySQL, XAMPP  ***Programming languages:*** PHP  ***Front end design:*** HTML, CSS, JavaScript  ***Database*:** MySQL | |
|  | **Abstract of the Project:**   * The "Online MCQ Exam Portal" is a Database Management System (DBMS) mini project designed to streamline and enhance the process of conducting multiple-choice question (MCQ) exams in an online environment. * This project aims to provide a user-friendly and efficient platform for both administrators and examinees, ensuring seamless exam administration, secure data management, and insightful result analysis. * Key features of the "Online MCQ Exam Portal" include a dynamic question bank management system, a timer mechanism for exam duration control, and an automated grading system for instant result generation. * The portal also provides detailed performance analytics, enabling both administrators and examinees to analyse strengths and weaknesses in various subject areas. | |
|  | **Scope/Objective of the Project:**   * Implement a secure login system for administrators and examinees. * Define access levels and permissions to ensure data security. * Implement a timer mechanism to control the exam duration. * Develop tools for administrators and examinees to analyse performance in detail. * Provide insights into strengths and weaknesses across different subject areas. * Provide a user-friendly interface for both administrators and examinees to ensure a positive experience. * Simplify the process of creating, conducting, and managing online MCQ exams for administrators. * Enable administrators and examinees to analyse performance trends and identify areas for improvement. | |
|  | **ER Diagram:** | |
|  | **Applications/Advantages of the project:**   1. Efficient examination management. 2. Remote exam support. 3. Automated result generation and grading. 4. Immediate feedback. 5. Personalized assessment report. 6. Random selection of questions. 7. Ranking and history of exam attempted 8. Instructions is provided about the tests. 9. Admin can add questions of each subject. | |
|  | **Any other details (Please specify):** | |

**Signature with date**

Prof. Pankaj Kumar

Prof. Vinutha Raghu Dr. Kala Venugopal

**Project Coordinators HOD-ISE**