DATE: 24-03-2023



COMPETITIVE PROGRAMMING CLUB

CodeCrack Challenge 1.0

INFORMATION AND COMMUNICATION TECHNOLOGY

FACULTY OF TECHNOLOGY MARWADI UNIVERSITY, RAJKOT



1. Introduction:

The coding task on MVC Architecture was conducted on 13th January 2023. The session aimed to provide hands-on experience in implementing the Model-View-Controller (MVC) design pattern, a widely used architectural pattern in software development. The event was held in MA115 and engaged students in practical coding exercises.

2. Event Overview:

The session covered the following key aspects:

- **1.** Introduction to MVC Architecture and its importance.
- **2.** Explanation of the roles of Model, View, and Controller in software development.
- **3.** Hands-on coding exercises to implement MVC in various programming languages.
- **4.** Debugging and optimizing MVC-based applications.
- **5.** Best practices and real-world applications of MVC.
- **6.** Interactive Q&A session to address doubts and provide further guidance.

3. Attendance and Participants:

The event had a total of **25 students** in attendance, all of whom actively participated in coding tasks and discussions. The engagement and problem-solving approach demonstrated by students contributed to the success of the session.

4. Achievements and Outcomes:

- **1. Understanding of MVC Architecture:** Students gained a solid understanding of MVC principles and its application in software development.
- **2. Practical Implementation Skills:** Participants successfully implemented MVC concepts in coding tasks.
- **3. Debugging and Optimization:** Students learned how to debug and optimize applications following the MVC pattern.
- **4.** Confidence in Using MVC: The session boosted students' confidence in applying MVC to their projects.

5. Challenges:

- **1. Time Constraints:** Covering all essential aspects of MVC within the allocated time was challenging.
- **2. Diverse Skill Levels:** Some students required additional guidance, while others sought advanced challenges.

6. Feedback and Evaluation:

The session received positive feedback, with students appreciating the hands-on approach, real-world applications, and structured problem-solving exercises. Many requested more advanced sessions on design patterns and software architecture.

7. Conclusion:

The Coding Task on MVC Architecture held on 13th January 2023 successfully provided students with practical experience in implementing the MVC pattern. Despite minor challenges, the event effectively met its objectives, equipping students with valuable coding skills and reinforcing their understanding of software architecture.

8. Attachment





9. Attendance:

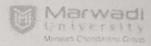
| Enrollment No | GR No | Participant Name |
|---------------|--------|--------------------------------|
| 92100133086 | 115114 | NIVA RATHOD |
| 92100133083 | 115050 | VARUN RAVINDRABHAI UMARALIYA |
| 92100133014 | 115019 | AJAY DINESHBHAI RANK |
| 92100133071 | 114699 | VENISHA DINESHBHAI PARMAR |
| 92100133070 | 114696 | BHAKTI KISHANBHAI SUKHADIYA |
| 92100133069 | 114681 | AMEE RAMESHBHAI VAGHELA |
| 92100133068 | 114680 | VARTIKA PRATUL VACHHANI |
| 92100133067 | 114673 | DHRUVI KARTIKBHAI KOTHARI |
| 92100133066 | 114670 | ARPIT DIPAKKUMAR AGRAVAT |
| 92100133064 | 114643 | KHUSHI HARESHBHAI PANDYA |
| 92100133063 | 114639 | RUTIK KHIMJIBHAI PARMAR |
| 92100133062 | 114638 | DARSHIT KIRITBHAI PARMAR |
| 92100133061 | 114626 | NIDHI DIPAKBHAI DHINOJA |
| 92100133060 | 114621 | ARJUN JENTIBHAI KUKADIYA |
| 92100133059 | 114617 | DEVAN TUSHARBHAI BHENSDADIYA |
| 92100133058 | 114609 | DHARMI ARVINDBHAI JAVIYA |
| 92100133057 | 114606 | DARSHAN MAYANI |
| 92100133052 | 114541 | HASTI VIPULBHAI HAJIPARA |
| 92100133051 | 114514 | DHARA LALIT KORIYA |
| 92100133049 | 114502 | DEEP SURYANKANTBHAI MANANI |
| 92100133048 | 114476 | RUSHIRAJSINH NARENDRASINH ZALA |
| 92100133047 | 114463 | ALFRED DUKU KENNETH JOSEPH |
| 92100133045 | 114454 | JATIN ARVINDBHAI SOJITRA |
| 92100133044 | 114430 | YUVRAJ HITESHBHAI THORIYA |
| 92100133043 | 114425 | HEET RAMESHBHAI CHOTHANI |



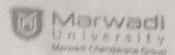
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| Any Other comments that you would like to mention? |
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