Home Page

About Section:
- Concise overview of mission, values, and key highlights.

Services Segment:
- Various offerings highlighted, focusing on student-centric resources, faculty support, and quality assurance.

Contact Section:
- Provides contact information, encourages inquiries for direct interaction.

Blog Section:
- Keeps the community informed with relevant updates, events, and insights.

Login Feature:
- Grants secure access to personalized areas for students, faculty, and administrators.

Overall Design:
- Homepage designed to seamlessly blend informative content with interactive elements, fostering a dynamic and inclusive academic environment.

MSc in Computer Science

Welcome to the MSc in Computer Science program. Our program is designed to provide you with a comprehensive understanding of computer science principles and their practical applications.

Throughout the program, you'll have the opportunity to explore cutting-edge technologies, work on real-world projects, and gain valuable skills that are highly sought after in today's technology-driven world.

Our Objectives

Our program is designed to help you achieve skills and knowledge in the following areas:

Problem-solving skills

Develop strong problem-solving skills and an understanding of advanced algorithms and data structures, which are fundamental to computer science.

Machine learning and AI

Specialize in machine learning and AI, becoming proficient in these advanced areas of computer science.

Cybersecurity

Gain expertise in cybersecurity, including ethical hacking, network security, and data protection, while instilling ethical considerations in technology practices.

Database management

Provide advanced knowledge in database management systems, data modeling, and data analysis, which are essential skills for various careers in computer science.

Software engineering

Prepare students to work on large-scale software projects, emphasizing software design principles, development methodologies, and collaboration skills.

Computer graphics

Focus on computer graphics, visualization, and multimedia technologies, developing skills in creating graphical user interfaces and data visualization.

Research skills

Equip students with research skills necessary for conducting original research, including designing experiments, collecting data, and publishing findings.

Ethics in computing

Address ethical issues in computing, emphasizing responsible technology use, privacy, and security considerations.

Operating systems

Gain a deeper understanding of operating systems, distributed computing, and system-level software development.

UTA

Student Page

Profile Section:
- Manage academic information.
- Track progress and update personal details.

Courses Segment:
- Access detailed course information.
- View syllabi, schedules, and assignments.

Tests Section:
- Facilitates exam preparation.
- Provides access to past exams, study materials, and practice quizzes.

Notifications:
- Keeps students informed about updates, deadlines, and announcements.

Chat Feature:
- Promotes real-time communication.
- Fosters collaboration among students for quick support.

Profile   Courses   Tests   Notifications   Chat

Ruban Eswaravelu

Email: rxe8133@mavs.uta.edu

Role: Student

Edit Profile

Name:

Ruban Eswaravelu

Email:

rxe8133@mavs.uta.edu

Phone:

817-630-1307

Format: XXX-XXX-XXXX

Role:

Student

Save

UTA

Instructor Page

Profile:
- Manage academic credentials and professional details.

Courses:
- Organize and present course materials.
- Track student progress and manage assignments.

Tests:
- Seamlessly create and assess exams.

Notifications:
- Stay updated on announcements and administrative matters.

Chat:
- Facilitate quick communication, enhancing collaboration.

Students:
- Monitor and engage with student performance for a supportive teaching environment.
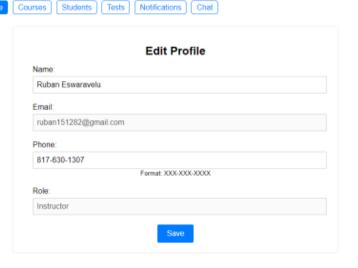
Profile   Courses   Students   Tests   Notifications   Chat

Ruban Eswaravelu

Email: ruban151282@gmail.com

Role: Instructor

Edit Profile

Name:

Ruban Eswaravelu

Email:

ruban151282@gmail.com

Phone:

817-630-1307

Format: XXX-XXX-XXXX

Role:

Instructor

Save

Program Co-ordinator Page

Profile Section:
- Manage professional information and roles.

Notifications:
- Stay informed of critical updates for timely decision-making.

Chat Feature:
- Facilitates real-time collaboration with instructors, administrators, and students.

Students Section:
- Provides a comprehensive overview of student performance.

Integrated Approach:
- Ensures effective communication, coordination, and oversight.

UTA

Profile   Students   Notifications   Chat

Rakku

Email: rakshithsingh5@gmail.com

Role: ProgramCoordinator

Edit Profile

Name:

Rakku

Email:

rakshithsingh5@gmail.com

Phone:

123-456-7890

Format: XXX-XXX-XXXX

Role:

ProgramCoordinator

Save

Admin Page

Profile Section:
- *Oversee professional details and responsibilities.*
- *Centralized hub for administrators.*

Notifications:
- *Stay informed about critical updates.*
- *Facilitates swift decision-making.*

Chat Feature:
- *Streamlines communication among administrative staff.*
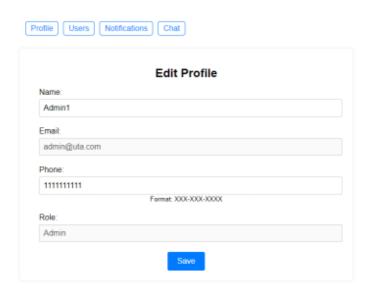- *Ensures effective collaboration.*

Integrated Suite:
- *Empowers administrators.*
- *Maintains program efficiency and upholds administrative standards effectively.*

Profile   Users   Notifications   Chat

Admin1

Email: Admin@uta.com

Role: Admin

Edit Profile

Name:

Admin1

Email:

admin@uta.com

Phone:

1111111111

Format: XXX-XXX-XXXX

Role:

Admin

Save

Quality Assurance Page

Profile Section:
- Manage professional details and roles within the quality assurance framework.

Notifications:
- Stay informed with real-time updates, ensuring prompt responses to quality-related matters.

Chat Feature:
- Foster collaboration among QA members and stakeholders, promoting efficient communication.

Policies:
- Outline established standards and guidelines to ensure consistency and adherence to quality benchmarks.

Recommendations:
- Provide a platform for continuous improvement, allowing QA personnel to offer insights and enhancements.

Integrated Approach:
- Contributes to maintaining and improving high academic standards through a holistic and collaborative quality assurance strategy.

UTA

Profile   Policies   Recommendations   Notifications   Chat

Jayanth

Email: jayanthyennana@icloud.com

Role: Quality Assurance

Edit Profile

Name:

Jayanth

Email:

jayanthyennana@icloud.com

Phone:

754-754-7545

Format: XXX-XXX-XXXX

Role:

Quality Assurance

Save

Implemntation

Frontend (React):

- Develop React components for user dashboards, profile management, and dynamic content rendering.
- Utilize React Router for navigation and state management for handling user data.

Backend (Laravel):

- Create RESTful APIs using Laravel to serve data to the React frontend.

- Use Laravel Eloquent ORM for database interactions and implement real-time communication with Laravel Echo.

Features Implementation:
- Implement chat functionality and notifications using real-time communication libraries.
- Set up endpoints for courses, tests, blog posts, and user-related information.
- Manage user authentication securely with Laravel Passport and enforce roles and permissions.

Policy and Recommendation:
- Enforce policies and guidelines using Laravel middleware.
- Create endpoints for applying and managing recommendations for continuous improvement.

User Management:
- Develop user management functionality, including roles and permissions.
- Ensure secure admin-level functionalities and protect user data with HTTPS.

Overall Architecture:
- Maintain a clear separation of concerns with React for frontend and Laravel for backend.
- Implement secure communication between frontend and backend, emphasizing data protection.

Task and Minutes

Task Names :

- Homepage, About Us, Services Page : Ruban
- Contact Us Page, User Profile – Administrator: Srilekhya
- Login/Sign-up Landing, Forget Password Page, CSS styling: Umesh
- User Profile –Student, Instructor, Administrator, Blog: Yashwanth
- User Profile – Quality Assurance Officer, Program Coordinator: Jayanth

Number of hours allocated:

- Actual hours put in : 10 hours per member (for the final Phase and PPT)\
- **Are all members equally contributing: YES**

Thank you