Chameli Devi Group of Institutions, Indore
(Accredited with A+ Grade by NAAC)

CITRONICS-2K24
National Level Hackathon
Web Granth

Chameli Devi Group of Institutions, Indore announcing a National Level 8 Hours Hackathon
"WEB Granth" based on the theme "Web Development"

Prize:
1st Prize INR 25000
2nd Prize INR 15000
3rd Prize INR 7500
Registration Fee: INR 500/- Per Team

The certificate will be provided to each participant

Problem Statements:

In today's fast-paced digital world, web development stands as a cornerstone for businesses, organizations, and individuals to establish their online presence, deliver impactful user experiences, and drive innovation.
The "Web Granth" hackathon challenge calls upon participants to push the boundaries of web development by creating cutting-edge web applications, websites, or tools that solve real-world problems, showcase technical prowess, and elevate the standards of online experiences.

Problem Domain: -

1. WebCraft: Open Innovation
2. ShowcaseMe: Personal Portfolio
3. E-Commerce Express: Revolutionizing Online Shopping
4. SmartEd: Revolutionizing Education Through Technology

WebCraft: Open Innovation
Web development encompasses a vast array of possibilities, from creating simple static websites to building complex web applications that power businesses, organizations, and communities. However, each project comes with its unique set of challenges, whether technical, design-related, or related to user experience. Furthermore, emerging technologies, evolving best practices, and changing user expectations constantly reshape the landscape of web development, presenting both opportunities and challenges for developers.

ShowcaseMe: Personal Portfolio

As the job market becomes increasingly competitive and remote work opportunities expand, having a compelling online presence has become essential for professionals across all industries. A personal portfolio website allows individuals to present their work, share their stories, and differentiate themselves from their peers. However, many individuals struggle to create personalized and visually appealing portfolios that effectively communicate their value proposition and leave a lasting impression on visitors. It should include sections such as:

- Brief introduction and summary of your skills and experience.
- Showcase your projects with descriptions, images, and links.
- Highlight your technical skills, tools, and technologies you're proficient in.
- Provide a way for visitors to get in touch with you (e.g., contact form, email, LinkedIn profile link).
- The website should be responsive and accessible on different devices (desktop, tablet, mobile).
- The use of frameworks or libraries (e.g., Bootstrap, React) is allowed to expedite development.
- Ensure the website is SEO-friendly, with proper meta tags, headings, and descriptions.

E-Commerce Express: Revolutionizing Online Shopping

As the e-commerce market continues to grow, users expect intuitive, fast-loading, and secure online shopping platforms that offer a wide range of products and services. Additionally, competition among e-commerce websites is fierce, requiring businesses to differentiate themselves through unique features, personalized recommendations, and exceptional customer service.

Design and develop a basic e-commerce website prototype. The website should include essential features such as:

- User registration and login functionality.
- Product catalog with categories and search functionality.
- Product detail pages with descriptions, images, and pricing.
- Shopping cart functionality to add and remove items.
- Checkout process with basic order summary and address form.
- Basic user profile page to view order history.

Participants are encouraged to focus on simplicity, functionality, and user experience. The website should be responsive and accessible on different devices.

SmartEd: Revolutionizing Education through Technology

Quality education is essential for individual growth, economic development, and societal progress. However, various factors, including inadequate resources, outdated teaching methods, and disparities in access, hinder the delivery of quality education to all learners.

Key Features to Include:
- **User Authentication:** Allow students and teachers to create accounts and log in securely.
- **Course Management:** Enable teachers to create and manage courses, upload course materials, and set assignments.
- **Interactive Learning Tools:** Incorporate features such as quizzes, polls, or interactive lectures to enhance student engagement.
- **Discussion Forums:** Implement a platform for students and teachers to participate in discussions, ask questions, and share resources.
- **Real-time Communication**: Integrate a chat or messaging system for instant communication between users.

- **Resource Repository:** Provide a centralized repository for educational resources, including documents, videos, and links.
- **Progress Tracking:** Allow students to track their progress, view grades, and receive feedback on assignments.
- **Responsive Design:** Ensure the website is accessible and functional across various devices, including desktops, laptops, and mobile phones.

Evaluation Criteria:

- **Creativity and Innovation:** Originality and creativity of the web solution, as well as the innovative use of technologies and design patterns.
- **User Experience:** Effectiveness, intuitiveness, and accessibility of the user interface and overall user experience.
- **Technical Excellence:** Quality of code, performance optimization, compatibility, and adherence to web standards and best practices.
- **Practicality and Impact:** Potential impact on users, businesses, or communities, as well as the practicality and scalability of the web solution.
- **Presentation:** Clarity, coherence, and persuasiveness of the submission presentation, including documentation, demos, and visual assets.

Eligibility Criteria:

- All students with a valid identity card from their respective educational institutes are eligible to participate.
- All participants need to register on the given Link.
- Team must consist of 3 to 5 members (1 female member is compulsory).
- Participant is not allowed to be a part of more than one team.
- The competition will be conducted in one round, the round will be hosted offline at Chameli Devi Group of Institutions, Indore.

Guidelines:

- The reporting time will be on 1st March 2024 at 8:00 AM.
- All project work must be conducted during the hackathon period.
- All the team members should be from the same college.
- Unauthorized use of code is not allowed.
- Computer Systems will be provided by the Organizer team.

The CITRONICS team reserves the right to update the rules at any time. All decisions regarding eligibility, authenticity, and final judgment rest with the CITRONICS team.

Faculty Coordinators:

Mr. Shreyas Pagare (9827544935)

Mr. Vikrant Sharma (9009991889)

Mr. Paras Bhanopiya (9131724292)

Student Coordinator:
Mr. Krish Chandel
Ms. Jaya Sisodiya
Mr. Sachin Sisodiya
Mr. Yash Mandlik (9399234251)