GDSC

2023-2024

GDSC Annual Report

INDEX

Council Members

Name	Class	Year
Sanket Mane	Computers B	TE
Soham Parab	Computers B	TE
Bryce Miranda	Computers B	TE
Aston Castelino	Computers B	TE
Chhand Chaugule	Computers B	TE
Dhruv Mayekar	Computers B	TE
Sanat Patil	Computers A	TE
Zane Falcao	Computers A	TE
Susan Fernandes	Computers B	SE
Siddhant Jadhav	Computers B	SE
Iqra Khan	Computers B	SE
Shaun Mendes	Computers A	SE
Jefin John	Computers A	SE
Shashank Tiwari	Computers A	SE
Sakshi Kupekar	Computers A	SE
Leora Dias	Computers A	SE
Angela D'souza	Computers B	SE
Samuel D'souza	Computers A	SE
Saumitra Gurav	Computers A	SE
Zane Fernandes	Computers A	SE
Shreya Sahay	ECS	TE
Shubh Shetty	ECS	TE
Punit Giri	ECS	TE

Elita Gonsalves	ECS	SE
Arnav Pandita	AI & DS	TE
Akshat Saraf	AI & DS	TE
Aditi Singh	AI & DS	SE

REPORT
Postman Playbook

DATE: 25th – 26th October 2023

Postman Playbook was a two-day technical learning initiative conducted for engineering students at Fr. CRCE, aimed at building a strong foundation in APIs and enabling hands-on experience with Postman tools. Led by experienced student speakers, the sessions combined conceptual clarity with practical exposure, guiding participants from understanding APIs to executing real-world API requests.

Event Details:

Event Name: *Postman Playbook*
Dates: *25th October 2023 (Day 1), 26th October 2023 (Day 2)*
Venue:
- *Day 1: Online (Google Meet)*
- *Day 2: Seminar Hall (1st Floor), Fr. CRCE*

Time:
- *Day 1: 7:00 PM onwards*
- *Day 2: 1:30 PM onwards*

Speakers:
- *Day 1: Mr. Ayush Batra*
- *Day 2: Mr. Soham Parab, Mr. Chhand Chaugule, Mr. Aston Castelino, Mr. Zane Falcao*

Mode: *Hybrid (Online + Offline)*

About the Event:

Postman Playbook 2023 was designed as a structured two-day learning experience to introduce engineering students to the world of APIs and equip them with practical skills using Postman. The first day focused on building a strong conceptual foundation, covering API fundamentals, types, authentication mechanisms, and real-world applications. Through relatable examples such as Spotify integrations, students were able to understand the relevance of APIs in modern digital systems.

The second day transitioned into a hands-on workshop, guiding participants through the Postman Student Expert journey. Students actively engaged in setting up workspaces, organizing collections, and executing API requests, including GET and POST operations. The interactive format, combined with step-by-step demonstrations and mentoring, ensured that students not only understood the concepts but also applied them effectively in real-time scenarios.

Highlights & Outcomes:

- **Strong Conceptual Foundation in APIs:**
  Students gained a clear understanding of API fundamentals, including types, authentication methods, and their role in modern applications.
- **Practical Exposure to Real-World Applications:**
  Live demonstrations using platforms like Spotify helped bridge the gap between theoretical concepts and real-world implementations.
- **Hands-on Experience with Postman:**
  Participants learned to set up Postman workspaces, manage collections, and execute API requests, reinforcing practical development skills.
- **Understanding of API Request Structures:**
  Students explored query parameters, path variables, and different request types, enabling them to customize and optimize API interactions.
- **End-to-End API Workflow Execution:**
  From making their first request to executing POST operations, participants experienced the complete lifecycle of working with APIs.
- **Interactive Learning & Engagement:**
  Active participation during Q&A sessions reflected strong student interest and helped clarify doubts in real time.
- **Guidance Towards Industry-Relevant Skills:**
  The sessions prepared students for advanced learning paths such as the Postman Student Expert program and real-world development practices.

Conclusion:

Postman Playbook 2023 successfully delivered a comprehensive learning experience by combining theoretical understanding with practical application. The structured progression from foundational concepts to hands-on implementation enabled students to build confidence in working with APIs and modern development tools.

The event not only enhanced technical proficiency but also encouraged students to explore real-world problem-solving through APIs, laying a strong foundation for future projects, internships, and industry readiness.


API Keys
Your invitation to use the API
API Key
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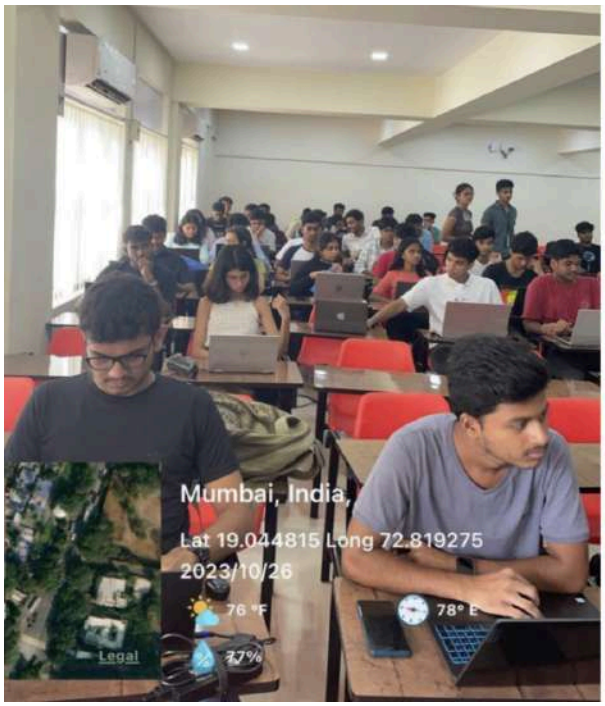
API keys are alphanumeric strings that provide basic access to the API's services and data.
These allow developers to impose rate limits and revoke access in a ToS violation.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REPORT
Flutter Forward

Date: 13th – 15th March 2023

Flutter Forward Extended was a three-day technical workshop organized by GDSC CRCE, aimed at introducing engineering students to Flutter development and equipping them with hands-on experience in building mobile applications. Through guided sessions and live project building, participants progressed from understanding basic Flutter concepts to integrating Firebase and developing functional applications.

Event Details:

Event Name: *Flutter Forward Extended*
Dates:
- *Day 1: 13th March 2023*
- *Day 2: 14th March 2023*
- *Day 3: 15th March 2023*

Venue: *Online*
Time: *6:00 PM onwards (each day)*
Speakers:
- *Day 1: Vijay Prajapati*
- *Day 2 & Day 3: Deon Gracias*

Mode: *Online*

About the Event:

Flutter Forward Extended 2023 was designed as a structured multi-day learning experience to introduce students to cross-platform mobile app development using Flutter. The workshop began with foundational concepts, including Flutter syntax, installation processes, and the core principles of building user interfaces. Through interactive explanations and guided demonstrations, students developed an understanding of how Flutter enables efficient app development across platforms.

As the workshop progressed, participants transitioned into hands-on implementation, where they built applications in real time and explored integration with Firebase. The sessions emphasized practical learning through project-based development, including creating functional applications such as a to-do list app and connecting backend services. The interactive format, supported by live coding and Q&A sessions, ensured that students actively engaged with the concepts and gained confidence in applying them.

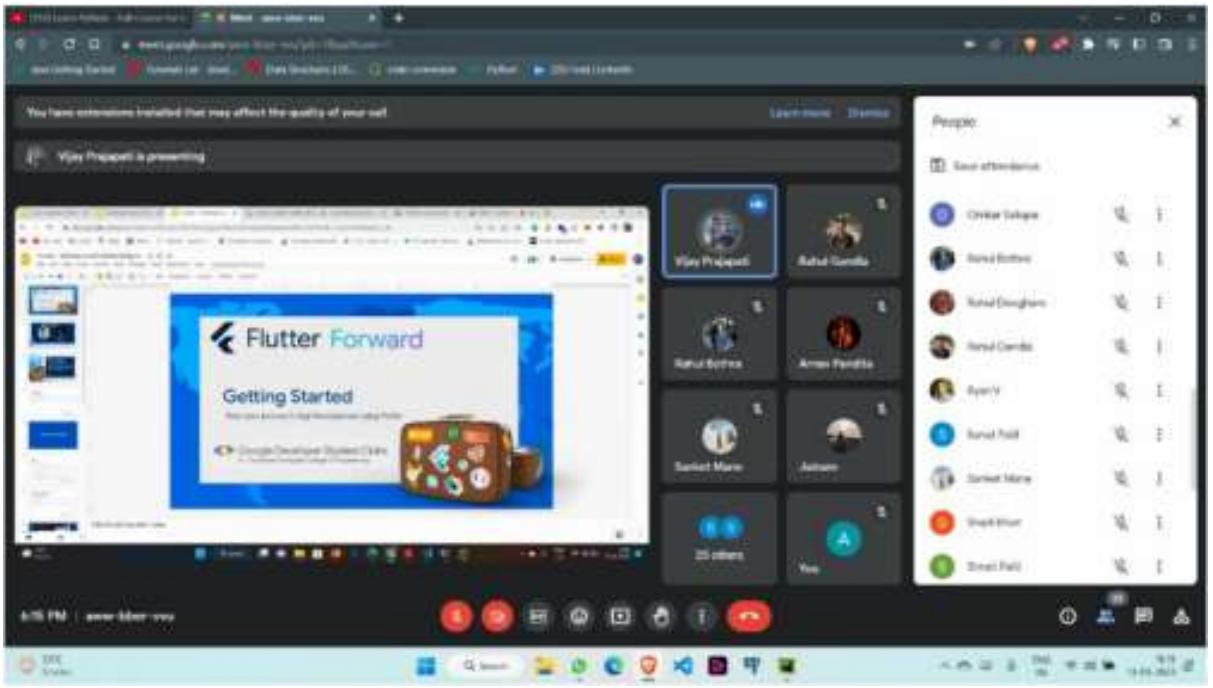
Highlights & Outcomes:

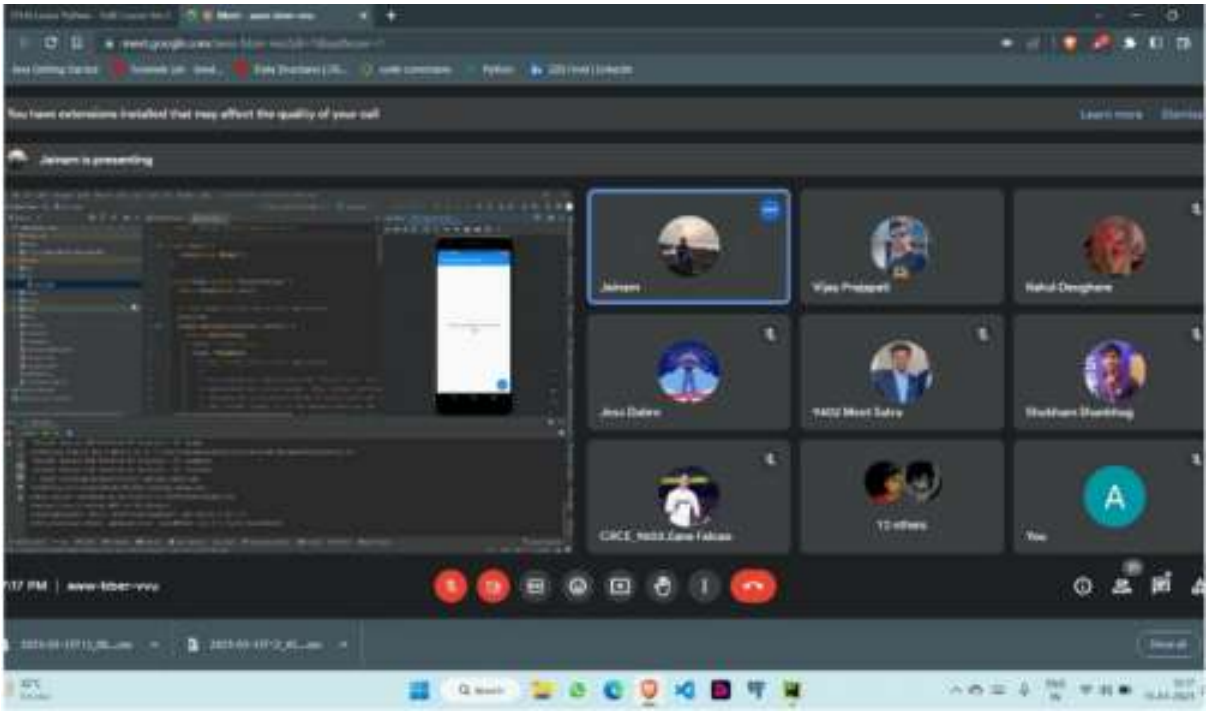
- **Strong Foundation in Flutter Development:**
  Students gained a clear understanding of Flutter basics, including syntax, UI components, and app structure.
- **Hands-on Application Building:**
  Participants actively built applications during the sessions, reinforcing concepts through real-time implementation.
- **Introduction to Firebase Integration:**
  Students learned how to connect Flutter applications with Firebase, enabling backend functionality and data handling.
- **Understanding of Development Workflow:**
  From setup and installation to project execution, participants experienced the complete workflow of mobile app development.
- **Practical Exposure to Real-World Use Cases:**
  Building projects like a to-do list app helped students understand how Flutter is applied in real-world scenarios.
- **Interactive Learning Environment:**
  Q&A sessions across all three days encouraged student participation, clarified doubts, and enhanced conceptual understanding.
- **Skill Development for Future Projects:**
  The workshop equipped students with the foundational skills required to build independent Flutter projects and explore advanced development topics.

Conclusion:

Flutter Forward Extended 2023 successfully provided students with a comprehensive introduction to mobile app development using Flutter and Firebase. The structured progression from basic concepts to hands-on implementation enabled participants to build both technical competence and confidence.

The event not only strengthened students' development skills but also encouraged them to explore cross-platform technologies and real-world application building, laying a strong foundation for future innovation and project development.


Flutter Forward
Getting Started
People



REPORT
Future Forge

DATE: 23rd August 2023

Future Forge was an introductory mentorship and guidance session conducted for engineering students at Fr. CRCE, aimed at providing clarity on skill development, career pathways, and opportunities within the tech ecosystem. Sponsored by Red Bull India, the session brought together multiple speakers who shared insights on academics, startups, hackathons, and professional growth, creating an engaging and forward-looking learning experience.

Event Details:

- **Event Name:** Future Forge
- **Date:** 23rd August 2023
- **Venue:** Samvaad, Fr. CRCE
- **Time:** 12:15 PM – 1:15 PM
- **Speakers:** Multiple speakers (3 speakers)
- **Mode:** Offline

About the Event:

Future Forge 2023 was designed as an introductory session to guide students through the diverse landscape of computer science and career development. The event focused on equipping participants with a holistic understanding of skill-building, implementation, and ideation, while also introducing them to opportunities such as startups and hackathons. Through structured sessions, students were exposed to the importance of developing both technical expertise and practical problem-solving abilities.

The session further emphasized real-world growth avenues, including networking, internships, and active participation in college clubs. Speakers shared practical insights and experiences, enabling students to understand how these elements contribute to long-term academic and professional success. The combination of mentorship, real-world examples, and interactive engagement ensured that students gained clarity and direction in navigating their engineering journey.

Highlights & Outcomes:

- **Clarity on Skill Development & Implementation:**
  Students gained insights into how to effectively build and apply technical skill sets through practical learning approaches.
- **Understanding of Ideation & Innovation:**
  Participants learned the importance of ideation in solving real-world problems and its role in driving innovation.
- **Exposure to Startups & Hackathons:**
  The session highlighted how hackathons and startup ecosystems contribute to experiential learning and entrepreneurial growth.
- **Awareness of Career Opportunities:**
  Students received guidance on networking strategies, internship opportunities, and leveraging college clubs for personal and professional development.
- **Holistic Career Perspective:**
  The event connected multiple aspects of growth—technical skills, collaboration, and exposure—helping students understand the bigger picture of career building.
- **Interactive Learning Environment:**
  Engaging sessions and real-world examples ensured active participation and better conceptual understanding among attendees.
- **Enhanced Motivation & Direction:**
  Students left with a clearer sense of direction and motivation to actively pursue opportunities in their academic and professional journey.

Conclusion:

Future Forge 2023 successfully delivered a comprehensive and insightful session that bridged the gap between academic learning and real-world application. By combining mentorship, practical guidance, and exposure to industry-relevant opportunities, the event empowered students to take proactive steps toward their growth.

The session reinforced the importance of adaptability, continuous learning, and active participation in opportunities such as hackathons, internships, and networking, laying a strong foundation for students to navigate their future with confidence.

REPORT
Code Crafters

DATE: 24th August 2023

Code Crafters was a technical guest lecture conducted for TE Computer Engineering students at Fr. CRCE, aimed at introducing key concepts in Data Warehousing and Mining (DWM) along with foundational knowledge in Python, Machine Learning, and Data Science. Led by Mr. Upmanyu Jha, the session provided a comprehensive overview of core technologies and their real-world applications.

Event Details:

- ***Event Name:*** *Code Crafters*
- ***Date:*** *24th August 2023*
- ***Venue:*** *Samvaad, Fr. CRCE*
- ***Time:*** *1:30 PM – 2:35 PM*
- ***Speaker:*** *Mr. Upmanyu Jha*
- ***Mode:*** *Offline*
- ***Participants:*** *TE Computer Engineering students*

About the Event:

Code Crafters 2023 was designed as a technical guest lecture to introduce students to the fundamentals of Data Warehousing and Mining (DWM) and its relevance in modern computing. The session provided a structured overview of essential concepts, beginning with Python programming and progressing into Machine Learning and Data Science. Through clear explanations and practical examples, students were able to understand how these domains interconnect within real-world applications.

The session emphasized both conceptual understanding and practical relevance, enabling students to explore how technologies like automation, data processing, and machine learning are applied in industry scenarios. The interactive format encouraged participation, allowing students to engage with the content actively and gain clarity on complex topics. Overall, the session served as a strong foundation for students to build further expertise in data-driven technologies.

Highlights & Outcomes:

- **Introduction to Data Warehousing & Mining (DWM):**
  Students gained foundational knowledge of DWM and its role in handling and analyzing large-scale data.
- **Strong Basics in Python Programming:**
  Participants developed an understanding of Python fundamentals through interactive explanations and real-world examples.
- **Exposure to Machine Learning Concepts:**
  The session introduced key machine learning principles, helping students understand how intelligent systems are built.
- **Understanding of Data Science Fundamentals:**
  Students explored core data science concepts, including data handling, analysis, and practical applications.
- **Integration of Multiple Technologies:**
  The session connected Python, Machine Learning, Data Science, and DWM, giving students a holistic view of the ecosystem.
- **Interactive Learning Experience:**
  Engaging explanations and examples encouraged active participation and improved conceptual clarity.
- **Industry-Relevant Insights:**
  Students were introduced to real-world applications, helping them understand the practical importance of these technologies.

Conclusion:

Code Crafters 2023 successfully provided students with a comprehensive introduction to key data-driven technologies and their applications. By combining foundational concepts with real-world insights, the session enabled participants to build a strong base in Python, Machine Learning, Data Science, and Data Warehousing.

The event encouraged students to explore these domains further, equipping them with the knowledge and motivation to pursue advanced learning and practical implementation in their academic and professional journey.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REPORT
Chandrayaan Mahotsav

DATE: 4th September 2023

Chandrayaan Mahotsav was an engaging and educational event conducted at Fr. CRCE, aimed at providing students with insights into India's Chandrayaan-3 mission and the role of computer science and artificial intelligence in space exploration. Through expert sessions, interactive activities, and hands-on learning, the event combined scientific knowledge with practical exposure, inspiring students to explore the intersection of technology and space science.

Event Details:

- **Event Name:** Chandrayaan Mahotsav
  Date: 4th September 2023
  Venue: Samvaad, Fr. CRCE
- **Time:** 11:00 AM onwards
- **Speakers / Contributors:**
  - Sangeeta Ma'am (Guest Speaker)
  - IEEE Team (Session & Presentation Contributors)
- **Mode:** Offline

About the Event:

Chandrayaan Mahotsav 2023 was designed to educate students about India's space exploration initiatives, with a special focus on the Chandrayaan-3 mission. The event began with an expert lecture that introduced participants to advancements in space technology and the significance of lunar exploration. Students gained insights into how computer science and artificial intelligence play a critical role in mission planning, navigation, and data analysis within space programs.

The event combined technical learning with interactive engagement through activities such as a paper plane competition, an informative presentation, and a quiz. A detailed PPT session provided a comprehensive overview of Chandrayaan-3, including mission objectives, challenges from previous missions, and the integration of AI-driven systems. The event concluded with a hands-on introduction to Python programming using Reeborg, allowing students to apply coding concepts in simulated environments related to space exploration.

Highlights & Outcomes:

- **Understanding of Chandrayaan-3 Mission:**
  Students gained in-depth knowledge about the mission's objectives, timeline, technological advancements, and its significance in lunar exploration.
- **Insight into Role of AI & Computer Science in Space:**
  Participants learned how AI, machine learning, and computing systems are integrated into trajectory planning, navigation, and data analysis.
- **Expert Interaction & Knowledge Sharing:**
  The session by Sangeeta Ma'am provided valuable real-world insights into space science and technology, enhancing conceptual understanding.
- **Interactive Learning through Activities:**
  The paper plane competition encouraged creativity, teamwork, and engagement, creating a balanced learning environment.
- **Reinforcement through Quiz-Based Learning:**
  The quiz session helped assess and strengthen participants' understanding of Chandrayaan-3 concepts in an engaging manner.
- **Hands-on Exposure to Python Programming:**
  Students were introduced to Python basics using Reeborg, enabling them to apply programming concepts in simulation-based problem-solving.
- **Holistic Learning Experience:**
  The event effectively combined theoretical knowledge, practical implementation, and interactive engagement to enhance overall learning.

Conclusion:

Chandrayaan Mahotsav 2023 successfully delivered a comprehensive learning experience by integrating space science with modern computing concepts. The event not only enhanced students' understanding of the Chandrayaan-3 mission but also demonstrated the critical role of technology in advancing space exploration.

By combining expert insights, interactive activities, and hands-on programming, the event inspired students to explore the fields of computer science, artificial intelligence, and space technology, fostering curiosity and innovation for future advancements.


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REPORT
Smart India Hackathon 2023 (Internal Round)

DATE: 16th September 2023

Smart India Hackathon 2023 (Internal Round) was a large-scale innovation and idea presentation event conducted at Fr. CRCE, aimed at selecting and nurturing student teams to represent the institute at the national-level hackathon. With participation from 52 teams across multiple domains, the event provided a competitive platform for students to showcase innovative solutions to real-world problem statements issued by the Government of India.

Event Details:

- **Event Name:** Smart India Hackathon 2023 (Internal Round)
- **Date:** 16th September 2023
- **Venue:** Fr. CRCE Campus (Samvaad Auditorium for final ceremony)
- **Time:** 10:00 AM – 4:30 PM
- **Mode:** Offline
- **Participants:** 52 teams (students from multiple branches and years)
- **Domains:** Hardware & Software
- **Jury Panel:** Industry professionals from organizations such as Oracle Financial Services, JP Morgan Chase, UBS, BrowserStack, Zycus, Ajio, Media.net, and others

About the Event:

Smart India Hackathon 2023 at Fr. CRCE was organized as an internal selection round to identify the most promising student teams for the national-level competition. The event focused on enabling students to present innovative solutions to problem statements provided by the Government of India, encouraging them to apply their technical knowledge to real-world challenges. Teams participated in structured idea presentation rounds, where they showcased their approach, feasibility, and impact of their proposed solutions.

The evaluation process was conducted by an experienced jury panel comprising industry professionals, who assessed each team based on innovation, clarity, feasibility, knowledge, and potential impact. The event fostered a highly competitive yet collaborative environment, promoting critical thinking, problem-solving, and effective communication. Following multiple rounds of evaluation, top teams were shortlisted, with keynote addresses from faculty and judges motivating students to further refine and develop their ideas.

Highlights & Outcomes:

Large-Scale Student Participation:
A total of 52 teams participated, representing diverse domains and demonstrating strong engagement across the student community.

Exposure to Real-World Problem Statements:
Students worked on challenges provided by the Government of India, aligning their ideas with real societal and technological needs.

Structured Evaluation Process:
Teams were assessed on key parameters including innovation, feasibility, clarity, knowledge, and scalability, ensuring a comprehensive evaluation.

Industry-Level Judging & Feedback:
The presence of experienced professionals from leading companies provided students with valuable insights and constructive feedback.

Competitive Idea Presentation Rounds:
Participants showcased their solutions through formal presentations, enhancing their communication and pitching skills.

Shortlisting of Top Teams:
35 teams were selected for further progression, with additional teams placed on a waitlist, reflecting a high level of competition.

Holistic Skill Development:
The event strengthened students' abilities in problem-solving, teamwork, critical thinking, and real-world application of technical knowledge.

Conclusion

Smart India Hackathon 2023 (Internal Round) successfully provided a platform for students to innovate, collaborate, and compete at a high level. The event bridged the gap between academic learning and practical problem-solving by encouraging students to address real-world challenges through technology.

By combining structured evaluation, industry mentorship, and competitive participation, the event not only identified top-performing teams but also inspired students to pursue innovation and contribute meaningfully to national-level technological advancements.


Welcome
GPS Map Camera
Mumbai, Maharashtra, India
Fr Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India
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Long 72.82037°
16/09/23 04:26 PM GMT +05:30
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REPORT
Kickstart with Web Development

DATE: 4th October 2023

Kickstart with Web Development was an introductory technical session conducted for first-year engineering students at Fr. CRCE, aimed at providing a strong foundation in web development. Led by Alvin Dsouza, Shaun Mendes, and Chhand Chaugule, the session introduced students to HTML, CSS, and Bootstrap, combining conceptual learning with practical insights to initiate their journey into the digital development space.

Event Details:

- ***Event Name:*** *Kickstart with Web Development*
  Date: *4th October 2023*
  Venue: *Online (Google Meet)*
- ***Time:*** *7:00 PM – 8:00 PM*
- ***Speakers:***
  - *Alvin Dsouza*
  - *Shaun Mendes*
  - *Chhand Chaugule*
- ***Mode:*** *Online*
- ***Participants:*** *First-Year Engineering Students*

About the Event:

Kickstart with Web Development 2023 was designed as an introductory session to help first-year students explore the fundamentals of web development and understand its significance in today's digital world. The session began with an overview of why web development is a critical skill, followed by structured learning of core technologies such as HTML and CSS. Through interactive explanations and practical demonstrations, students were introduced to the building blocks of creating web pages.

As the session progressed, participants were guided through styling techniques using CSS and introduced to the Bootstrap framework for responsive design. The collaborative approach of the speakers ensured that students not only understood the concepts but also saw their real-world applications. The session emphasized hands-on learning, encouraging students to actively engage, ask questions, and build confidence in their ability to start creating their own web projects.

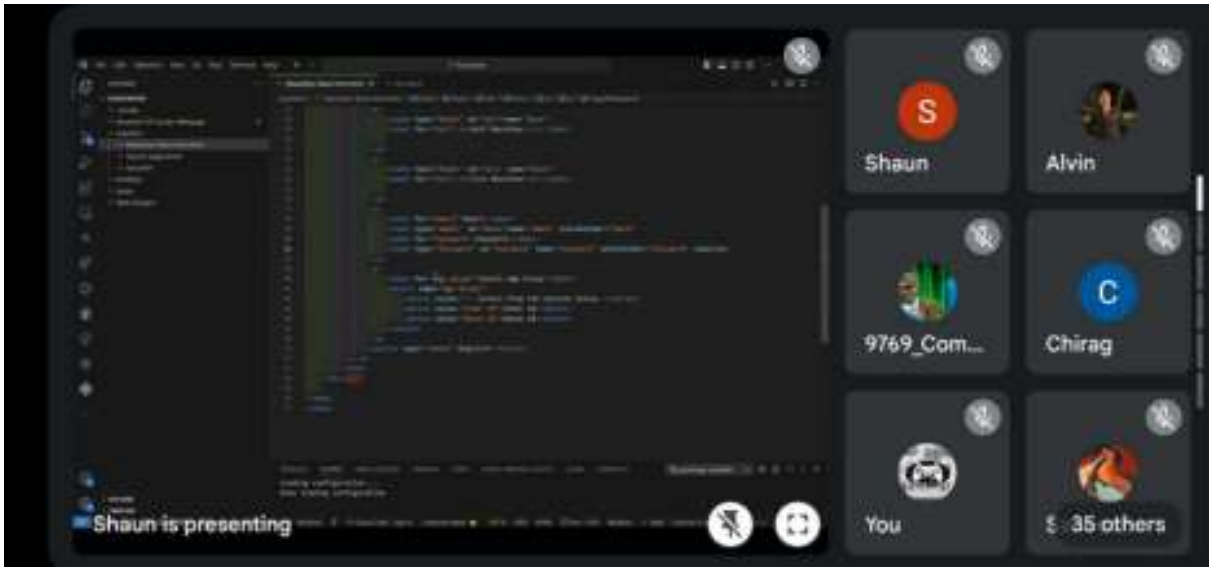
Highlights & Outcomes:

- **Strong Foundation in Web Development:**
  Students gained a clear understanding of the fundamentals of HTML, CSS, and Bootstrap.
- **Understanding of Web Development Importance:**
  Participants learned the significance of web development in the modern digital ecosystem and its role in real-world applications.
- **Hands-on Learning Experience:**
  Interactive demonstrations and examples enabled students to practically understand how web pages are built and styled.
- **Introduction to Responsive Design:**
  Students were introduced to Bootstrap, helping them understand how to create responsive and visually appealing websites.
- **Collaborative Teaching Approach:**
  Multiple speakers contributed to different aspects of the session, providing diverse perspectives and insights.
- **Active Student Engagement:**
  Participants actively interacted through questions and discussions, enhancing the overall learning experience.
- **Motivation to Explore Development Further:**
  The session inspired students to pursue web development projects and participate in hackathons and real-world applications.

Conclusion:

Kickstart with Web Development 2023 successfully introduced first-year students to the fundamentals of web development, equipping them with the knowledge and confidence to begin their journey in this field. The session's structured approach, combined with interactive teaching and practical insights, ensured a strong conceptual foundation.

The event not only enhanced technical understanding but also motivated students to explore web development further, fostering curiosity, creativity, and a proactive approach towards learning and building in the digital space.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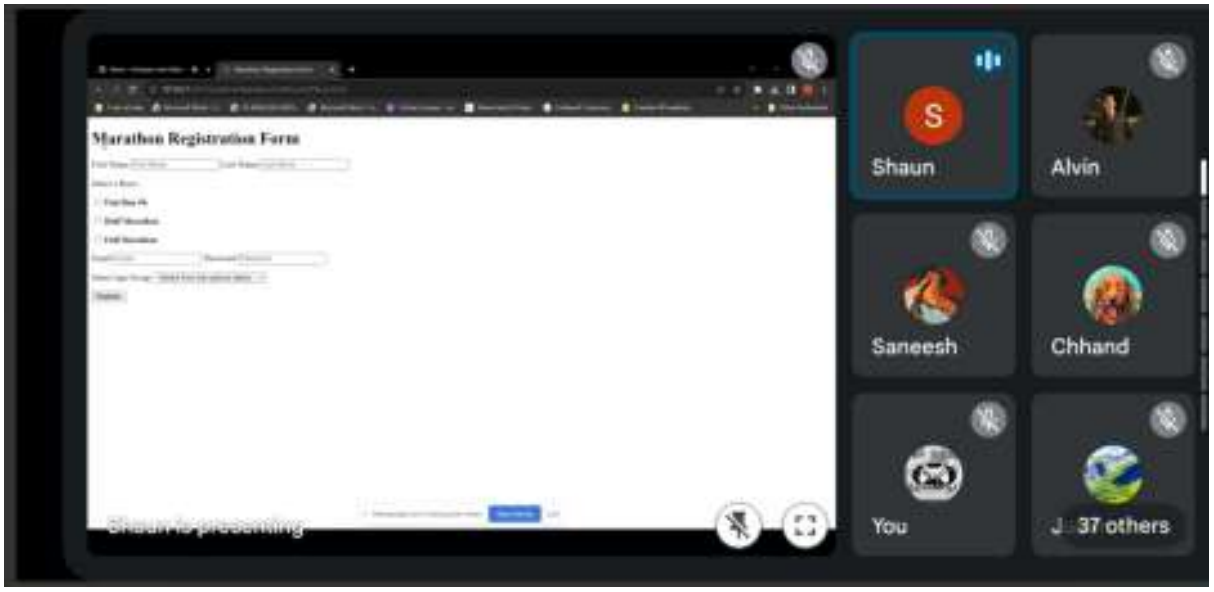
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REPORT
Introduction to Data Science and Power BI

DATE: 13th October 2023

Introduction to Data Science and Power BI was an informative technical session conducted for engineering students at Fr. CRCE, aimed at introducing core concepts of data science and providing practical exposure to Microsoft Power BI. Led by Mr. Rahul Bothra in collaboration with faculty, the session combined conceptual learning with live demonstrations, enabling students to understand real-world data analysis workflows.

Event Details:

Event Name: Introduction to Data Science and Power BI
Date: 13th October 2023
Venue: Seminar Hall (Room 108), Fr. CRCE

Time: 11:00 AM – 12:15 PM

Speaker: Mr. Rahul Bothra
Faculty In-Charge: Kranti Ma'am

Mode: Offline
Participants: Not specified (actively engaged student audience)

About the Event:

Introduction to Data Science and Power BI 2023 was designed as an introductory session to familiarize students with the fundamentals of data science and its applications in industry. The session began with an overview of data science concepts, highlighting its importance in solving real-world problems through data-driven decision-making. Through practical examples and interactive explanations, students were introduced to the workflow of data analysis and its relevance across various domains.

The session further progressed into an in-depth exploration of Microsoft Power BI, a widely used data visualization and business intelligence tool. Students were guided through the fundamentals of Power BI, including data handling, cleaning, and visualization techniques. A live demonstration provided hands-on exposure to real project scenarios, enabling participants to understand how data is transformed into actionable insights. The inclusion of an interactive crossword quiz added an engaging element, reinforcing key concepts learned during the session.

Highlights & Outcomes:

- **Introduction to Data Science Fundamentals:**
  Students gained a clear understanding of data science concepts and their role in solving real-world problems.
- **Practical Exposure to Power BI:**
  Participants were introduced to Microsoft Power BI, learning how it is used for data analysis and visualization.
- **Understanding of Data Analysis Workflow:**
  Students explored processes such as data cleaning, working with datasets, and deriving meaningful insights.
- **Live Demonstration of Tools:**
  The Power BI demo enabled students to experience real-time application of concepts in practical scenarios.
- **Industry-Relevant Insights:**
  The session highlighted how data science and Power BI are used in solving real industry-level challenges.
- **Interactive Learning through Quiz:**
  The crossword quiz reinforced learning in an engaging and participative manner.
- **Enhanced Awareness of Career Opportunities:**
  Students gained insights into internships, industry roles, and opportunities in the field of data science.

Conclusion:

Introduction to Data Science and Power BI 2023 successfully provided students with a strong foundation in data science concepts and practical exposure to industry-relevant tools. The combination of theoretical understanding, live demonstrations, and interactive activities ensured a comprehensive learning experience.

The event encouraged students to explore data-driven technologies further, equipping them with the knowledge and motivation to pursue opportunities in data science, analytics, and related fields.


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REPORT
Bit N Build 2024 Hackathon

DATE: 24th – 25th February 2024

Bit N Build 2024 was an international-level hackathon hosted at Fr. CRCE, bringing together top student innovators from across India and the globe. Conducted in multiple phases, the event culminated in a high-intensity final hackathon where shortlisted teams collaborated, built solutions, and competed to solve real-world problem statements, fostering innovation, technical excellence, and global participation.

Event Details:

- **Event Name:** Bit N Build 2024
- **Dates:** 24th – 25th February 2024
- **Venue:** Fr. Conceicao Rodrigues College of Engineering, Mumbai
- **Time:**
  - Day 1: 3:00 PM onwards
  - Day 2: 8:30 AM – 6:00 PM
- **Mode:** Hybrid (Offline + International Online Participation)
- **Participants:**
  - 35 National Teams (Offline)
  - 30 International Teams (Online)
- **Jury Panel:** Industry professionals from organizations such as Conduent, JP Morgan Chase, Postman, BrowserStack, UBS, Quantiphi, and others

About the Event:

Bit N Build 2024 was designed as a large-scale international hackathon structured in multiple phases to identify and nurture innovative student talent. The first phase involved internal hackathons conducted across collaborating institutions in India and internationally, followed by a regional-level hackathon. The top-performing teams were then invited to compete in the final round at Fr. CRCE, creating a diverse and competitive environment that brought together participants from multiple countries and academic institutions.

The final hackathon focused on solving real-world inspired problem statements, particularly centered around innovative scenarios using Minecraft-based environments. Participants worked on challenges involving smart inventory systems, predictive analysis, decentralized tracking systems, and AI-driven solutions. The event emphasized collaborative problem-solving, iterative development, and real-time feedback from mentors and judges, providing students with a comprehensive hands-on experience in building scalable and impactful solutions.

Highlights & Outcomes:

- **International Participation & Collaboration:**
  The hackathon saw participation from teams across India and multiple countries, fostering global collaboration and knowledge exchange.
- **Multi-Phase Competitive Structure:**
  The event progressed through internal, regional, and final rounds, ensuring high-quality participation and rigorous selection of teams.
- **Real-World Problem Solving:**
  Participants tackled complex problem statements involving AI, data systems, and decentralized technologies, simulating real-world challenges.
- **Hands-on Development & Prototyping:**
  Teams actively built and refined solutions over two days, demonstrating strong technical and problem-solving skills.
- **Mentorship & Expert Guidance:**
  Industry professionals provided continuous mentoring, helping teams enhance their solutions and approach.
- **Structured Judging & Evaluation:**
  Projects were evaluated on innovation, design, functionality, feasibility, scalability, and user experience.
- **Enhanced Technical & Team Skills:**
  Participants strengthened their abilities in collaboration, critical thinking, and rapid prototyping under competitive conditions.

Conclusion:

Bit N Build 2024 successfully established itself as a high-impact international hackathon that brought together innovation, collaboration, and technical excellence. By providing a platform for students to solve real-world challenges and interact with industry experts, the event significantly enhanced participants' learning and exposure.

The hackathon not only recognized outstanding talent but also inspired students to push the boundaries of innovation, reinforcing the importance of teamwork, adaptability, and problem-solving in the evolving technological landscape.


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