



EXYPNOS

2022-23

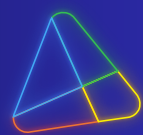




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WORKSHOP ON PROBLEM SOLVING AND IDEATION

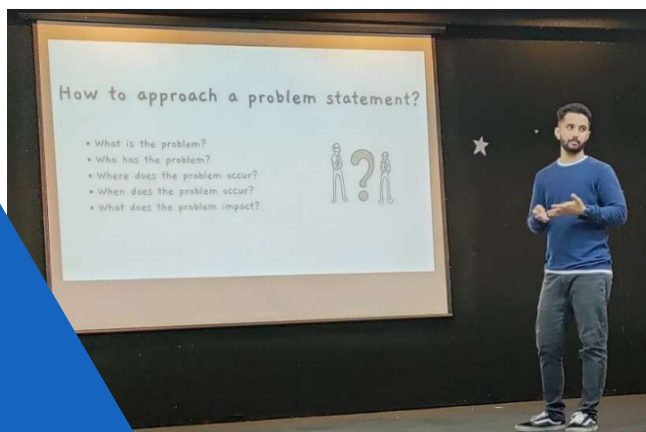
General problems faced during ideation process

- 1 Unclear goals
- 2 Wrong perception and mindset
- 3 Limiting Ideas



The Management Lead of GDSC-CRCE, Ms. Rissa Chettiar, hosted an event featuring guest speaker and alumnus of Fr. CRCE, Mr. Princeton Baretto, who is currently working at Browserstack and was also the Chairperson of Codelabs CRCE.

The objective of the workshop was to provide students with an understanding of how to tackle problems with innovative solutions. During the well-received workshop, Princeton covered important topics such as coming up with original ideas for projects, using the right research techniques, prioritizing features, and considering diverse viewpoints. He also shared his own experiences and emphasized the importance of considering multiple perspectives to find better optimal solutions.



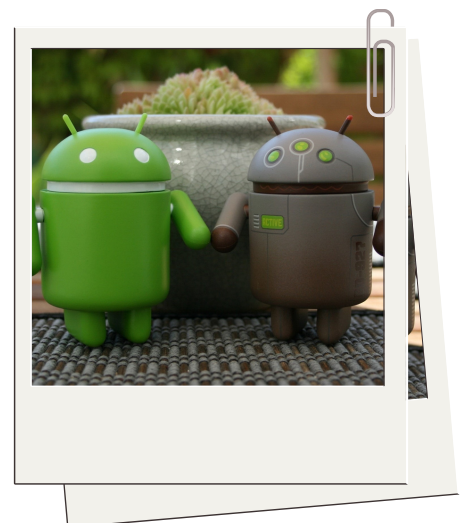
ANDROID COMPOSE CAMPS



The Mobile App Development Lead of GDSC-CRCE, Aditya Vyas, hosted a workshop for beginner Android developers on Kotlin programming language.

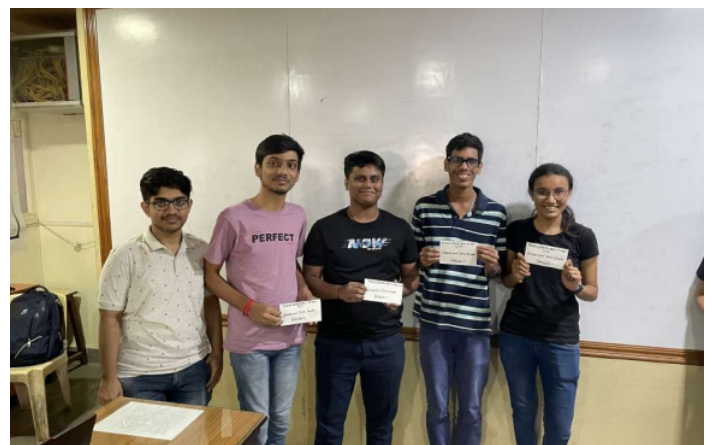
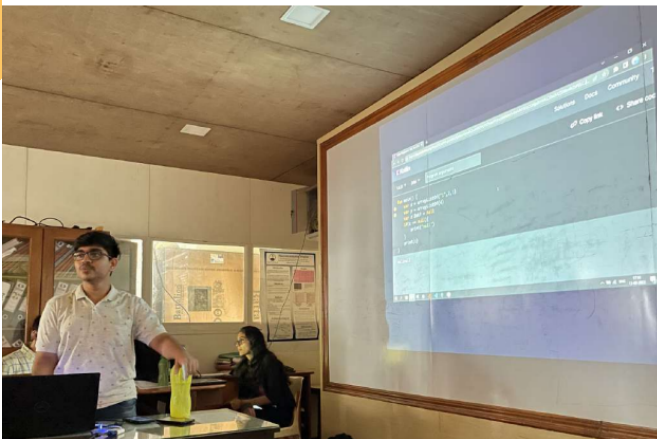
Meet Mehta facilitated a workshop on Kotlin's advantages over Java in Android development. Mehta covered the basics of Kotlin, including variables, data types, and string interpolation.

The session concluded with an interactive quiz to reinforce the concepts covered, and top-performing participants were rewarded with prizes.





ANDROID COMPOSE CAMP



ANDROID STUDIO



Google Developer Students Club CRCE organized their inaugural flagship event, "Day 2: Introduction to Android Development," as part of the highly anticipated Android Compose Camps season.

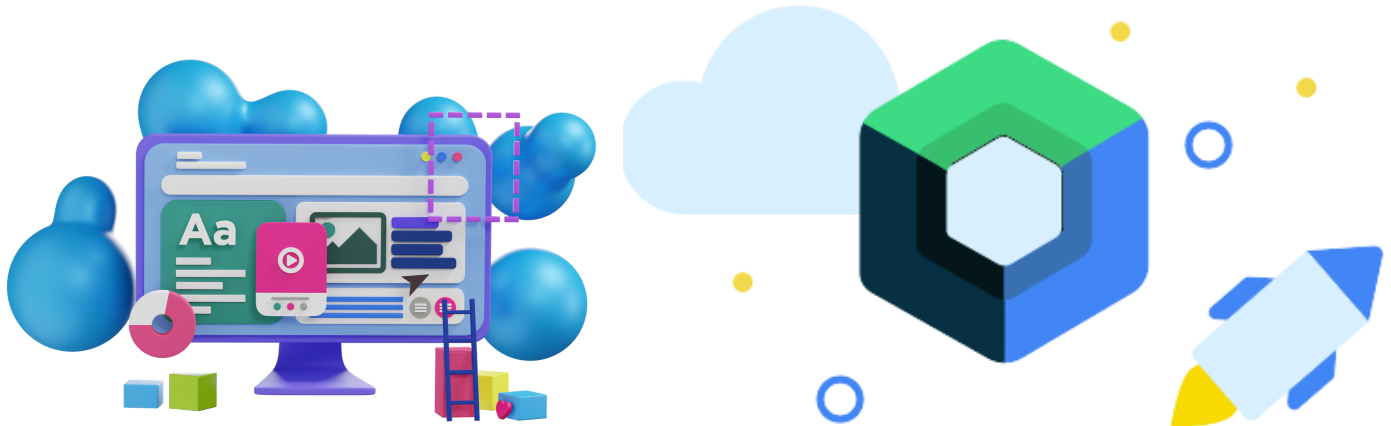
The event, held on 17th September 2022, garnered immense praise for its exceptional brilliance and inspirational content. Renowned speaker Mr. Meet Mehta, a student at D.J. Sanghvi College of Engineering and a Mentor of D.J. Unicode, captivated the audience with his insights.



The workshop catered to beginners, delving into fundamental Android concepts, live coding of a dice simulator app, and offering a tantalizing glimpse into production-ready code and GitHub essentials. The engaging session culminated in an interactive quiz, fostering active participant engagement and excitement for future events.



JETPACK COMPOSE CAMP



Google Developer Students Club CRCE organized their flagship event, "Day 3: Introduction to JetPack Compose and building its First App," under Android Compose Camps. Speaker Ms. Krishna Vora, a student at FRCRCE, guided 30 attendees through the basics of JetPack Compose and app development using Android Studio.



The workshop covered Kotlin advantages, JetPack Compose introduction, functions, and building a basic and modified app. Participants engaged in an interactive session with a subsequent quiz, promoting active learning. Top performers on the leaderboard received rewards for their outstanding performance.





JETPACK COMPOSE CAMP

Google Developer Students Club CRCE organized their first flagship event, "Day 4: Building Layouts with JetPack Compose and Working with States," as part of the Android Compose Camps season.

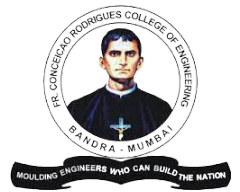


Mr. Aditya Vyas, the Mobile App Development Lead of GDSC-CRCE, facilitated the workshop aimed at beginners.



Participants learned best practices in Android development, built basic layouts with JetPack Compose through examples, and understood the basics of state in Jetpack Compose. An interactive quiz based on the session's topics was conducted, fostering engagement. The event concluded with an ending note and GDSC announcements.





HACKOVER

The Hackover 3.0, a social coding event, was organized by Google Developer Student Clubs (G.D.S.C.), Game Developers Association (G.D.A.), Computer Society of India (C.S.I.), and E-cell on October 4-5, 2022, as an online event.



The hackathon had three domains: Web/App Development, Blockchain, and Game Development. The first two domains had problem statements, while the Game Development domain was open for all genres of games.

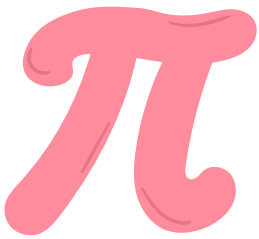
The event concluded with a closing ceremony where winners from each domain were announced. Mentoring rounds and judging for the three domains were conducted over the course of 24 hours. The event was supported by faculty in-charge and Club members from G.D.S.C., C.S.I., E-cell, and G.D.A.



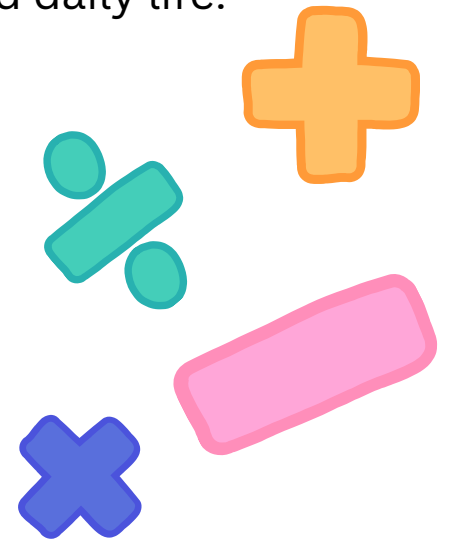


NATIONAL MATHEMATICS DAY

The Google Developers Student Club - CRCE hosted the National Mathematics Day event online on December 22, 2022 at 3pm. The event aimed to educate students on the significance of Mathematics in Engineering and daily life.



The two-hour event included technical content about Mathematics in Deep Learning and related computer science fields, an aptitude quiz competition, and a poster-making competition to promote creativity.



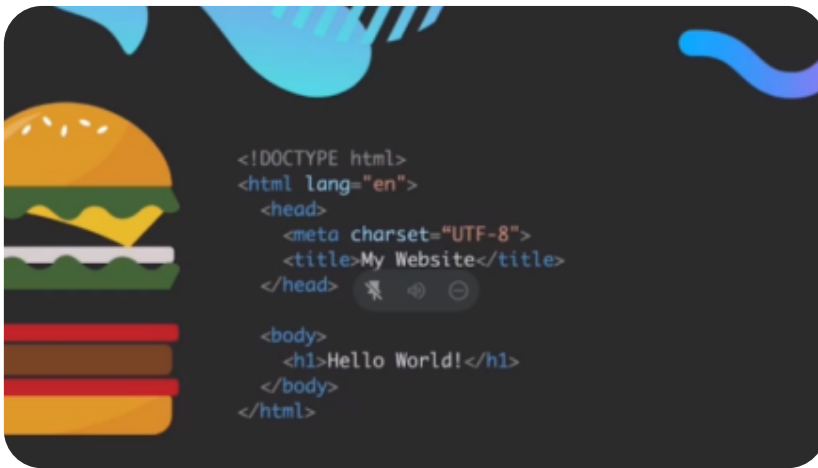
The session began with an introductory speech about Srinivasa Ramanujan, followed by a talk on the Importance of Mathematics. The competitions, Just Do It and Creat-e-matics, were announced, and the rules were explained. The event ended with the announcement of the competition winners.

$$ax^2 + bx + c = 0$$





WEB DEVELOPMENT WORKSHOP

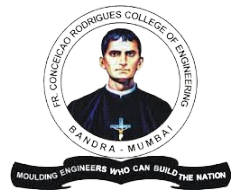


The Google Developer Student Club - CRCE hosted an online Web Development Workshop on January 7th, 2023. The event aimed to teach attendees the basics of HTML, CSS, and JavaScript, enabling them to create web pages and applications.

The session began with an introductory speech about web development and a brief introduction to the speaker, followed by technical content about creating web pages and applications using HTML, CSS, and JavaScript. The interactive session concluded with a game of Tic-Tech-Toe, where students were given 15 minutes to solve problems and find three secret codes. The top two performers were declared winners.



BIT N BUILD HACKATHON



Name of the event: BIT N BUILD HACKATHON
Date of event: January 28th-29th, 3pm
Location of the event: Event was held at Fr. Conceicao Rodrigues College of Engineering

The BIT N BUILD - HACKATHON was brought on by Google Developer Student Club -CRCE in collaboration with Google Developer Student Club - UMIT . It was a 24hr Offline Hackathon of National Level . Opportunity was provided to students to display their technical skills and creativity . There were 4 domains - Web/App , AI/ML ,Blockchain and Open Innovation . Participants were given full freedom in the Last 2 domains to come up with new ideas.



BIT N BUILD HACKATHON



What to expect at DevFest India:

Technical content: An Opportunity for participants to design and implement solutions and get experienced feedback from Mentors and Judges.

Networking: Meet and connect with other students and developers in your community.



Session plan:

28th January at 1pm:

Registered Teams arriving at the venue

28th January at 2 pm:

Inauguration and Opening Keynote by Chief Guest .

28th January at 3pm:

Hackathon starts

28th January at 6:00 pm:

Mentoring Session

28th January at 8:30 pm:

Dinner Starts

29th January at 8:00am:

Judging Round 1

29th January at 12:00pm:

Shortlisted teams are announced and moved to final judging round

29th January at 3:00pm:

Final Judging Round

29th January at 6:30pm:

Winners announced and Closing Ceremony

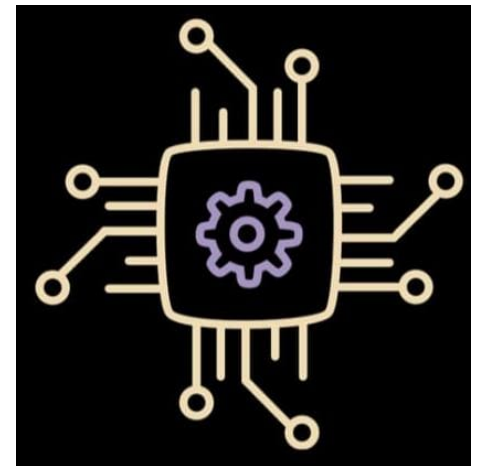


IOTRAUMA



IoTrauma was a successful event organized by the Google Developer Student Club on March 9th and 10th, 2023, at The Fr. Conceicao Rodrigues College of Engineering. The event aimed to bring technology closer to developers and focus on IoT technology. It consisted of a two-day IoT Project Development Competition with two rounds.

The Round-1 competition began on March 9th, where participants had to create an account on the Wokwi website and understand the simulation workplace. They had 60 minutes to read the problem statement and create a circuit on the Wokwi online IoT circuit simulation website. The results were declared on the same day at 7:00 pm.



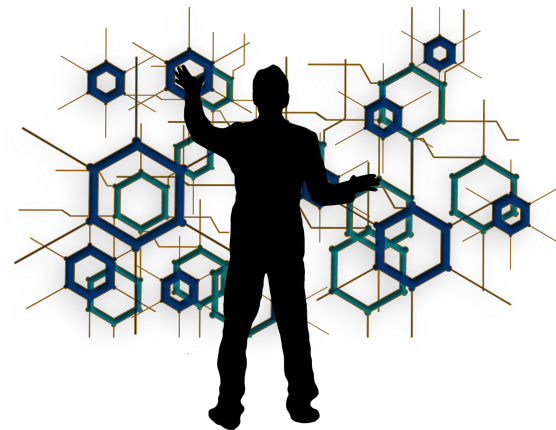
IOTRAUMA



Round-2 began on March 10th, where participants had to log in to their Wokwi account and understand the problem statement. They had 90 minutes to create a circuit on the Wokwi online IoT circuit simulation website, and the results were declared at 4:00 pm.



The event served as a successful platform for developers to showcase their talent, creativity, and technical skills in the field of IoT technology. Participants had an opportunity to learn, collaborate and compete in a challenging environment, making the event a great success



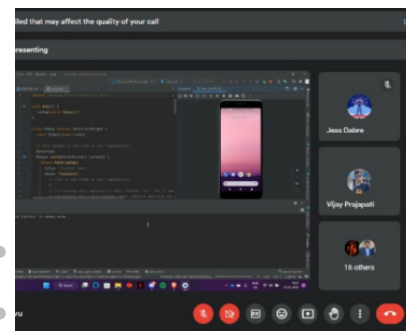
FLUTTER FORWARD EXTENDED (3 DAYS)

PROJECT INTRODUCTION :-

The Flutter Forward Extended was brought on by Google Developer Student Club – CRCE on the 13th, 14th & 15th of March 2023, to gain some hands on experience on Flutter and connect to Firebase

Name of the event : Flutter Forward Extended
Date of event : March 13th, 14th & 15th 2023, 18:00
Location of the event : Event was held online
Speaker : Vijay Prajapati, Deon Gracias

An online event hosted by the Google Developers Student Club – CRCE across the college to Technical content bring the students closer to learn the basics of Flutter. It was an 2 hour event for 3 days where students learned how to create simple apps and use Firebase to connect the app with a backend



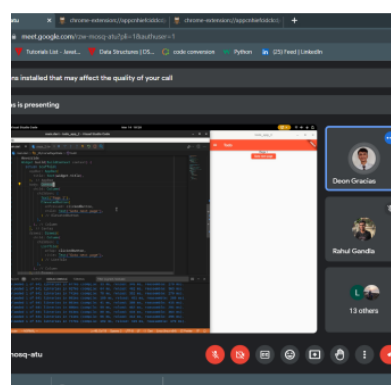
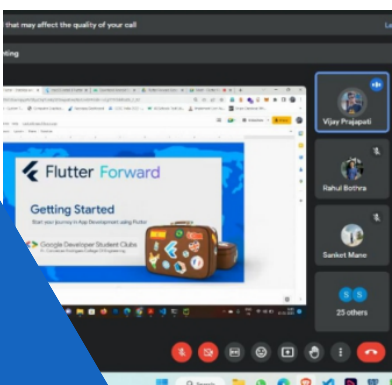
PROJECT FLOW :-

Day 1:

The session began by giving the information of flutter and more focus towards how to create apps. The Speaker shared a ppt presentation in which it had information of flutter syntax and basic instructions regarding the installation process. After the installation the speaker started with building the projects (app). The session ended with a Q&A for doubts and queries on flutter.

Day 2:

Day 2 started with a brief overview on Firebase and a recap of session 1. We were provided with knowledge on components, states and other flutter jargon. During the session speaker created a to do list app. The session ended with a Q&A for doubts and queries on flutter and Firebase.



Day 3:

This day began with a recap and insight on Firebase connections. We were taught a step by step procedure to follow and a set of instructions regarding the setup was provided. The session ended with a Q&A for doubts and queries on flutter and Firebase.



PYTHON AND ML WORKSHOP (3 DAYS)

PROJECT INTRODUCTION :-

The Python and ML workshop was brought on by Google Developer Student Club – CRCE in collaboration with NSS-CRCE on the 17th, 18th & 19th March 2023, to gain some hands on experience on Python and Machine Learning.

Name of the event : Python and ML Workshop
Date of event : March 17th 2023, 9:30
Location of the event : Samvaad / Online
Speaker : Mohit Pansare, Ryan Valiaparambil & Andre Nazareth

An offline event hosted by the Google Developers Student Club – CRCE and NSS-CRCE across the college. Technical content bring the students closer to learn the basics Python and Machine Learning. It was an 3 hour event each day where students learned Python and its different library



PROJECT FLOW :-

Day 1 : (Samvaad)

- The session began with the introduction of the speaker Mohit Pansare followed by a brief speech on Python and ML
- The Speaker shared a ppt presentation with information on python, basic instructions and setup
- The session ended with a Q&A for doubts and queries

Day 2 : (Online)

- Day 2 started with a brief overview with an introductory speech about Python and Machine Learning and a recap of session 1.
- The speaker provided us with info on algorithms used in ML
- The session ended with a Q&A for doubts and queries.

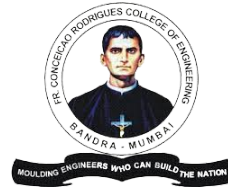


Day 3 : (Online)

- This day began with a recap and insight on a real life project with a emotion detection application.
- We were taught a step by step procedure to follow to create this project
- The session ended with a Q&A for doubts and queries regarding python & ML



METaverse AND DIVINE



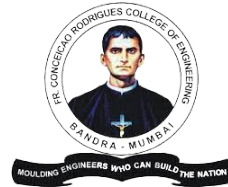
On March 20th, 2023, the Google Developers Student Club - CRCE hosted the Metaverse and The Divine Workshop at Fr. Conceicao Rodrigues College of Engineering. The event aimed to provide a unique and engaging learning experience for young minds in an interactive way.



The workshop focused on the future of Metaverse technology and sound consciousness. The speaker, Advait Danke, introduced himself and demonstrated meditation using vibrational technology. The workshop also included an introduction to Metaverse technology, discussing the potential for learning and education in virtual reality spaces where users can interact with digital environments and other users. The event concluded with a Q&A session.



FROM NOT EXISTING ONE YEAR BACK TO BEING THE BEST CLUB -



If 'go big or go home' had a name in Fr. CRCE, Google Developers Student Club would be a perfect fit for it.

After many struggles and hard work, GDSC was again set to soar high. The dynamic leadership of Lead Vijay Prajapati and Co-lead Deon Gracious, the tremendous hard work and support of the senior Club, junior Club as well as FE workforce, lead to GDSC becoming the best Club of Fr. CRCE.



About GDSC:

GDSC truly focuses on the most important aspects of growth for engineers - Technical & Holistic Development. It helps students mostly importantly beginners in developing the best technical skills and also soft skills like boosting confidence, enhancing their public speaking skills, and cultivating their overall personalities



Being a part of a Club like this offers opportunities for leadership roles, allowing students to also develop organizational, management, and communications skills. It allows them to work and understand Google technologies giving everyone equal chances to learn and grow.

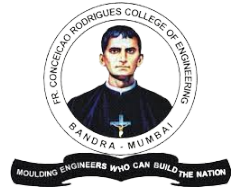
GDSC throughout the year has organized multiple workshops which were conducted by students and special guests on various topics related to these domains and recent developments in technology. We also have organized several hackathons, which have encouraged and showcased talent!

Teacher in-charge:

The students are very talented, always enthusiastic, and always ready for all challenges. But with all these things, they're very down-to-earth and ready to help anyone. The best I can describe them is that they're accommodative.

~Ms Kalpana Deorukhkar





Experiences:

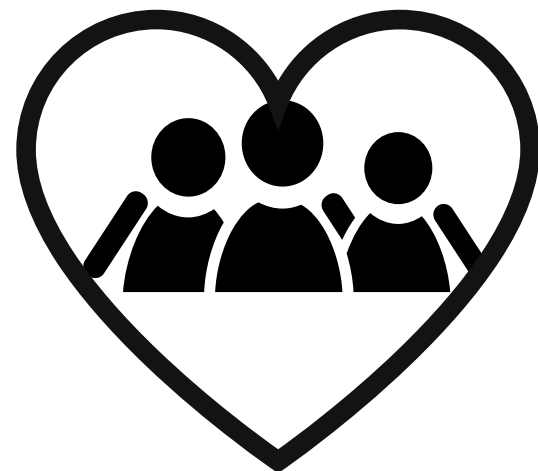
From pure nerds to literal top g's GDSC has it all!

From fighting all the Clubs for dates to supporting all of them in their events GDSC has done it all.

As a part of GDSC, we've learned that everything in this world is achievable. Just believe in yourself and the team. There's no peer dominance, lots of opportunities, great events, and most importantly every domain lead knows a lot about their domain.



Ever ready to help others and here's the best environment you'll get with no toxicity. We've been through tough times and have always supported each other. We have celebrated our success together. So the bonds we've made and the memories we've shared are not fitting for a Club, but a family which will be cherished for life by us.



GDSC IS NOT A CLUB, BUT A FAMILY!



WEB DEVELOPMENT ROADMAP FOR 2023:



Web development in 2023 is far more comprehensive than any one person's understanding. Using the correct tools and having them be compatible with the rest of your stack is of utmost importance. NodeJS is the most popular runtime for modern based web applications.

There are many Javascript frameworks to choose from like React, Vue or Angular and meta frameworks built on those frameworks like Redux, Next JS and Nuxt. Together these frameworks help connect your front-end to a backend service like pocketbase or firebase. You can also your own backend by setting up a database or using frameworks like Laravel with Php

Also there you can tear up this roadmap and go on side quests like Ruby on Rails or Tailwinds CSS or build a web app using React Native.

Whatever be your choice, remember that building a project with a goal is the best way to learn something new.

