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RAJKOT, GUJARAT (INDIA)

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# Research Grants from E-Yuva BIRAC, DST



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**Empowering Youth for Undertaking Value Added Innovative  
Translational Research (E-YUVA)  
Final Results of the First National Call for Fellows**

**List of selected E-YUVA Fellows**

Sr. No	Reference Number & Project Title	Team Members	Team Institute(s)	Team Mentor	E-YUVA Centre
1	BT/EF0014/01/22 Soapy chips	Harsh Mehta	Atmiya University	Dr. Shivani Patel Atmiya University, Rajkot, Gujarat	Atmiya University
		Anjali Tolan			
		Kinjal Modi			
		Shristi Prasad			
		Darshit Bhati			
2	BT/EF0013/01/22 Customised greywater recycling filter	Faizaan Noyda	Atmiya University	Dr. Ragini Raghav Atmiya University, Rajkot, Gujarat	Atmiya University
		Arundhatiba Jethwa			
		Harsh Kansagara			
		Soham Gadhvi			
		Jeet Rajgor			
3	BT/EF0016/01/22 Use of salt tolerant bacteria as a biofertilizer	Urvi Varmora	Shree M & N Virani science college, Atmiya University	Mr. Vivek Pattani Atmiya University, Rajkot, Gujarat	Atmiya University
		Nidhi Varmora			
		Urvi Thadoda			
		Dhvani Sherachiya			
4	BT/EF0017/01/22 Melishield mosquito repellent	Raheen Sheth	Atmiya University	Dr. Chitra Bhattacharya Atmiya University, Rajkot, Gujarat	Atmiya University
		Sodha Ishwarsinh Pravinsinh			
		Suzan Bawani	M.J. Kundaliya		
5	BT/EF0008/01/22 Ensuring sustainable enhancement in quantity and quality of crops by implementing concepts of Indian agricultural philosophy using modern technologies based on Internet Of Things and artificial intelligence.	Brijraj Kacha	Atmiya University	Dr. Ashish Kothari Atmiya University, Rajkot, Gujarat	Atmiya University



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**The following applicants have been selected under the 2<sup>nd</sup> National Call for Proposals for Fellows**

List of Selected E-YUVA Fellows						
Sr. No.	Reference No	Title	Team Members	Team Institutes	Team Mentor	E-YUVA Centre
1	BT/EF0607/2.0/24	Anti-pollution personal care for combatting urban damage on skin and hair	Vipul Bajaj	Delhi Pharmaceutical Sciences and Research University	Dr. Harvinder Popli	University of Rajasthan, Jaipur
			Mehak Kapoor			
			Tushar Bansal			
2	BT/EF0606/2.0/24	Analyzing the effect of Zinc Oxide Nanoparticle developed using green synthesis on mechanical and biological properties of Polymethylmethacrylate for it's effective use as denture base resin.	Rohan Shrivastava	Mahatma Gandhi University Of Medical Sciences And Technology Jaipur	Dr. Pragati Kaurani	
			Mumal Chhavra			
			Nazia Gauri			
3	BT/EF0609/2.0/24	Delivering medicines whenever and wherever they are needed.	Lakshya Kochar	Malaviya National Institute of Technology, Jaipur	Dr. Rajesh Kumar	
			Shubh Chordia			
			Ayush Goyal			
			Jitesh Nagar			
			Aayush Gupta			
4	BT/EF0660/2.0/24		Muskan Gupta			

		Alkaline dehydrated urine as a Biofertilizer: A waste to harvest approach	Shivram Karthik	Amity Institute of Biotechnology, AUUP Noida	Dr. Alok Kumar Singh	Atmiya University, Rajkot
			Garima Mittal			
			Maitry Chauhan			
5	BT/EF0631/2.0/24	Enhancing energy security and waste control: An efficient and affordable Biogas (GreenGas) project	Pushpendra Dhayal	University Maharaja College, Jaipur	Dr. Rajbala Verma	
			Cheitanya Kumar Joshi			
			Nitin Chaudhary			
6	BT /EF0299/2.0/24	Herbal Chocolate to treat menstrual disorders	Ayushi Sorathiya	Atmiya University, Rajkot	Dr. Kevinkumar Garala	
			Sorathiya Bhumi			
			Amrutiya Janki			
			Pan Manshiben			
			Ramani Meet			
7	BT/EF0303/2.0/24	Nutra Blaze - A flame extinguisher for the Gut	Aumkareshwar Kamboya	Pandit Deendayal Energy University	Dr. Sachidanand Singh	
			Krutarth Niraj Patel			
			Varad Kinjal Dixit			
			Harshit Gupta			
8	BT/EF0298/2.0/24	Development of an innovative trans-dermal herbal patch for soft tissue injuries: A novel approach to Ayurveda	Parth Sorathiya	G. J. Patel Institute of Ayurvedic Studies and Research	Dr. Ramesh Chandran	
			Ashishbhai Bhandaniya			
			Asthanahen Pankajbhai Patel			
9	BT/EF0302/2.0/24		Mitul Pujari			



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Empowering Youth for Undertaking Value Added Innovative Translational Research (E-YUVA)

		Development of Benchtop Health checkup Device utilizing Microcontroller Electronics and Machine Learning Algorithm	Janka Patel Falguni Chaudhary Parv Vyas	Pandit Deendayal Energy University	Dr. Shirsendu Mitra	
10	BT/EF0293/2.0/24	Designing Smart Solutions for the Automating agricultural activities using IoT based embedded system.	Anand Trambadiya Ravi Gehlot Heer Chokshi Dhruvi Kachalia Dhara Vaghela	Atmiya University	Dr. Ashish Kothari	
11	BT/EF0411/2.0/24	Diagnostic tool for diabetic neuropathy DIATEC-D	Deepika H D.Teashree R.Gowtham S.Dharshini P.N.Bathrinarayana	Sri Sairam Homoeopathy Medical College & Research centre Sri Sairam Engineering College	Dr. Sundarapandiyaraj Sakkaravarthy	
12	BT/EF0402/2.0/24	Production of Ectoine through whole-cell biotransformation of l-2,4 Diaminobutyric Acid by cloning EctA and EctC in <i>Saccharomyces cerevisiae</i>	Jethasri B Tanusri B Sarvesh VR Mohammad Ameen	Alagappa College of Technology, Anna University	Dr. Ramalingam Subramanian	Anna University, Chennai
13	BT/EF0313/2.0/24		Reshma M M			



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# Technology Development and Transfer



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# Technology Transfer for Efficient Green Hydrogen Production



## Application Filing Receipt

Government of India  
Patent Office  
Intellectual Property Office Building,  
S.M. Road, Antop Hill,  
Mumbai-400037  
Phone- 022-24137701,24142026  
Fax: 022-24130387  
e-mail: mumbai-patent@nic.in

CBR Number : 43944

CBR date: 26-10-2023

Application Type: ORDINARY APPLICATION  
Priority Number:  
Priority Date:  
Priority Country: Not Selected

To,  
Galaxy EcoEnergy Private Limited  
EXCELON IP (Sanjaykumar Patel) 627-Gala Empire, Drive In Road, Thaltej, Ahmedabad, Gujarat 380054

Received documents purporting to be to an application for patent numbered 202321072762 dated 26-10-2023 by Galaxy EcoEnergy Private Limited of 6, Khodiyar park, street no. 5, Anandpar-Navagam main road, Rajkot-360003, Gujarat relating to A GENERATION OF GREEN HYDROGEN USING BIOHYBRID MATERIALS together with the Provisional and fee(s) of ₹1600 ( One Thousand Six Hundred only).

### Note:

1. In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you wish so. If, in addition to withdrawal, you also wish to prevent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever is earlier.
3. If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is earlier.
4. If you wish to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

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# Technology Transfer for Eco-friendly Packaging Material



## Application Filing Receipt

**Government of India**  
**Patent Office**  
Intellectual Property Office Building,  
S.M. Road, Antop Hill,  
Mumbai-400037  
Phone- 022-24137701,24142026  
Fax: 022-24130387  
e-mail: mumbai-patent@nic.in

CBR Number : 24450

CBR date: 23-05-2024

Application Type: ORDINARY APPLICATION  
Priority Number:  
Priority Date:  
Priority Country: Not Selected

To,  
MYCOWRAP PACKAGING PRIVATE LIMITED  
EXCELON IP (Sanjaykumar Patel) 627-Gala Empire, Drive In Road, Thaltej, Ahmedabad, Gujarat 380054

Received documents purporting to be an application for patent numbered 202421040320 dated 23-05-2024 by MYCOWRAP PACKAGING PRIVATE LIMITED of A-203 Kasumbi Eligance, Opp Rajpath Siesta, Mavdi, Rajkot, Gujarat, India, 360004 relating to A MYCELIUM BASED BIO-PACKAGING MATERIAL together with the Provisional and fee(s) of ₹1600 ( One Thousand Six Hundred only).

### Note:

- In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
- You may withdraw the application at any time before the grant of patent, if you wish so. If, in addition to withdrawal, you also wish to prevent the publication of an application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever is earlier.
- If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is earlier.
- If you wish to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

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## Technology Developed and IPR filed - Audio-Visual indicator for spilling milk

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202321085248 A

(19) INDIA

(22) Date of filing of Application :13/12/2023

(43) Publication Date : 23/02/2024

(54) Title of the invention : AUDIO-VISUAL INDICATOR FOR SPILLING MILK

(51) International classification :G06Q0030080000, A01J0005010000, A61J0009000000, F24C0003120000, A47J0043280000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

1)Atmiya University

Address of Applicant :Atmiya University, Yogidham Gurukul, Kalawad Road, Rajkot – 360005, Gujarat, India Rajkot -----

2)Brijraj R. Kacha

3)Dr. Ashish M. Kothari

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Brijraj R. Kacha

Address of Applicant :Department of Computer Engineering, Yogidham Gurukul, Kalawad Road, Rajkot – 360005 Rajkot -----

2)Dr. Ashish M. Kothari

Address of Applicant :Director-Research, Innovation & Translation, Atmiya University, Yogidham Gurukul, Kalawad Road, Rajkot – 360005 Rajkot -----

(57) Abstract :

Audio-Visual indicator for spilling milk The present invention is an automated kitchen device with audio –visual indicator to alert the user before the milk/any liquid spills over while boiling in the form of buzzer. The present invention also provides facility of automatically turning off the gas stove before spilling of the milk. The present invention is flexible with any gas stove and any size of vessels used in the kitchen. The present invention is easy to use and simple in design and thus cost-effective. The present device can be used for any quantity of milk and easy to clean after use. The present invention helps in saving time and also prevents milk wastage by avoiding unnecessary spilling of the milk.

No. of Pages : 18 No. of Claims : 6



The device detects milk levels in a vessel using a water level sensor. It is positioned so that when boiling milk rises and touches the sensor, the sensor generates an analog signal. This signal is sent to an ATtiny85 microcontroller, which triggers a 9V piezoelectric buzzer. The buzzer alerts the user to turn off the stove, serving as an alarm.

The device's edges are adjustable to fit various vessel sizes. It operates on a 9V battery, which is long-lasting. The sensor surface is easily cleaned with a wet cloth, and the apparatus body can be washed after removing the circuit box.



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# Technology Developed and IPR Filed - Smart Lighting Systems for Energy Conservation

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202421045036 A

(19) INDIA

(22) Date of filing of Application :11/06/2024

(43) Publication Date : 19/07/2024

(54) Title of the invention : SMART LIGHTING SYSTEMS FOR ENERGY CONSERVATION

(51) International classification :H05B0047110000, F21V0023040000, H04N0005330000, H05B0047100000, F21S0002000000  
 (86) International Application No :NA  
 Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)Atmiya University**  
 Address of Applicant :Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005, Gujarat, India Rajkot -----  
**2)Dr. Ashish M. Kothari**  
 Name of Applicant : NA  
 Address of Applicant : NA  
 (72)Name of Inventor :  
**1)Dr. Ashish M. Kothari**  
 Address of Applicant :Director-Research, Innovation & Translation, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot -----

(57) Abstract :  
 Abstract Smart Lighting Systems for Energy Conservation The present invention provides a smart lighting system designed to conserve energy by automatically adjusting illumination based on ambient light conditions and human occupancy. The system includes a Light Dependent Resistor (L) sensor to monitor ambient light levels and a Passive Infrared (P) sensor to detect human motion. An Arduino UNO microcontroller (M) processes the input from these sensors to control a switching module (SM), which activates the lighting only when necessary. The system allows for customizable settings, enabling users to adjust the ambient light threshold and the duration for which the lights remain on after motion detection. This smart lighting system significantly reduces energy wastage, lowers electricity bills, and contributes to environmental sustainability. It is versatile and applicable in various indoor and outdoor environments, such as staircases, parking areas, building lobbies, halls, porches, decks, and backyards. Figure 1

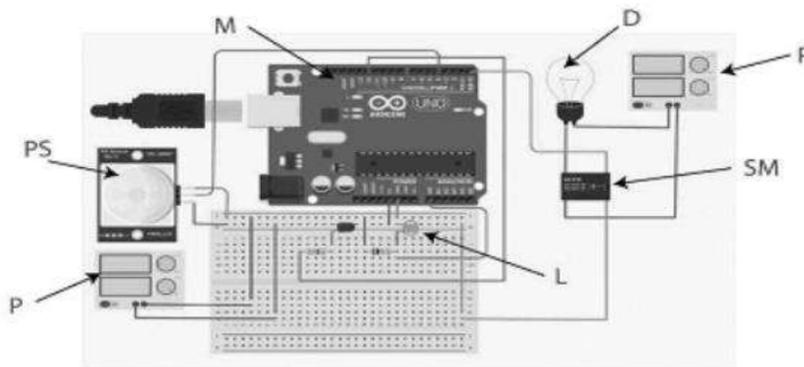
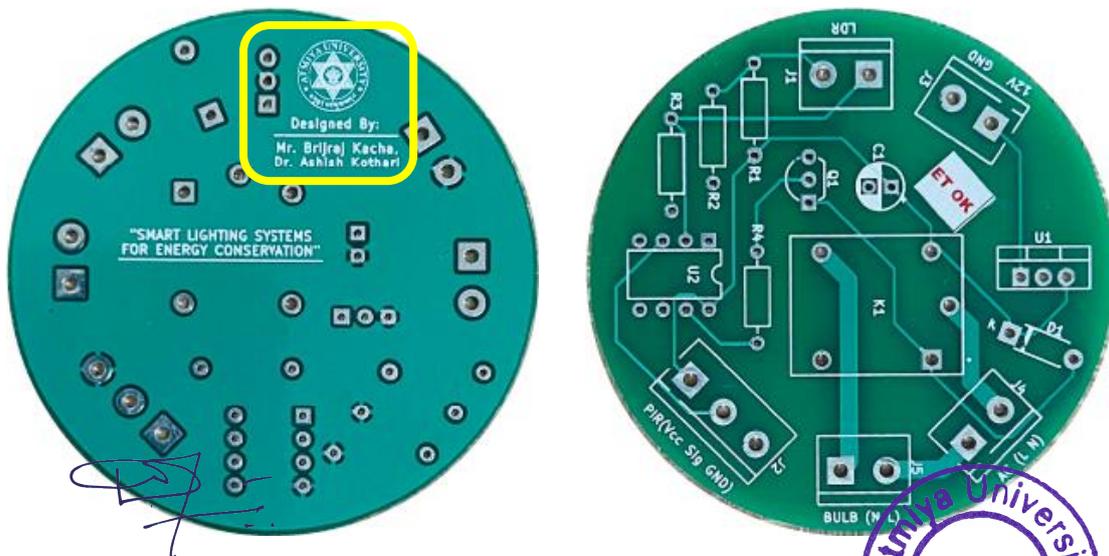
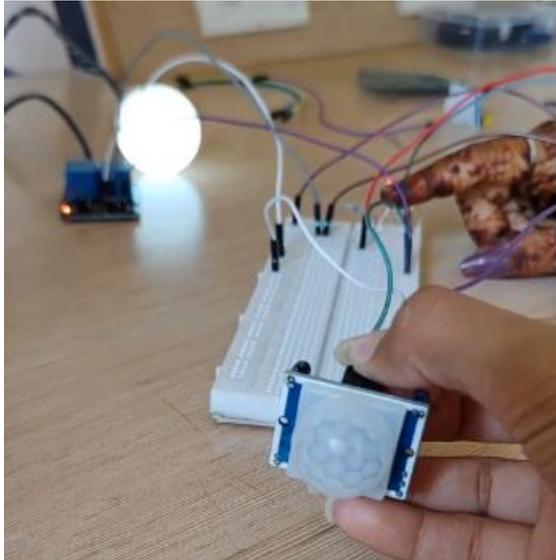


Figure 1 shows diagram of smart lighting system



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This invention presents a system aimed at energy conservation by activating lights only when necessary, thereby contributing to energy savings and mitigating global warming. The system utilizes a Light Dependent Resistor (LDR) sensor for monitoring ambient light intensity and a Passive Infrared (PIR) sensor for detecting human motion. An Arduino UNO microcontroller acts as the central processing unit, integrating inputs from both sensors to determine the appropriate timing for activating the switching module and illuminating the lights. Additionally, the system features an adjustable predefined time period during which the lights remain on after motion detection. Continuously

operational as long as power is supplied, the system offers efficient lighting control based on ambient conditions and human presence, facilitating significant energy conservation efforts.

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## Technology Developed - Conversion of Regular Dustbin to Smart Dustbin



Technology Transferred Smart Dustbin installed at the University

A regular dustbin can be converted into a smart dustbin by integrating sensors and microcontrollers. Using an ultrasonic sensor, the bin detects nearby motion or hand gestures to automatically open the lid, ensuring hygienic waste disposal. Additional features like fill-level sensors and alerts for timely emptying could also enhance efficiency and cleanliness.

  
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# Technology Developed – E-Vehicle – Multimode Operating and Multimode charging

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202421005564 A

(19) INDIA

(22) Date of filing of Application :28/01/2024

(43) Publication Date : 19/07/2024

(54) Title of the invention : E-VEHICLE - MULTIMODE OPERATING AND MULTIMODE CHARGING

<p>(51) International classification :B62M6/40, B62M6/85, B62M6/90, H02J7/14, B60L8/003, B60K16/00</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)Atmiya University</b>                  Address of Applicant :Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005, Gujarat, India Rajkot -----  <b>2)Rakshit Rathod</b>  <b>3)Brijraj Kacha</b>  <b>4)Kishan Sapariya</b>  <b>5)Ashish Kothari</b>                  Name of Applicant : NA                  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)Rakshit Rathod</b>                  Address of Applicant :Department of mechanical engineering, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot -----  <b>2)Brijraj Kacha</b>                  Address of Applicant :Department of mechanical engineering, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot -----  <b>3)Kishan Sapariya</b>                  Address of Applicant :Department of mechanical engineering, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot -----  <b>4)Ashish Kothari</b>                  Address of Applicant :Department of mechanical engineering, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot -----</p>
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(57) Abstract :  
 E-Vehicle - Multimode operating and multimode charging The present invention is related to hybrid e-vehicles. The present invention proposes a reusable kit for modifying old bicycles into electric vehicles with the aim of reducing dependence on non-renewable energy sources and minimizing air pollution. The hybrid e-vehicles includes a motor with an attached dynamo system (3), a detachable treadmill (4), a high-performance solar panel (1), and a reliable battery pack (2). The motor (3) propels the vehicle forward and also generates electricity while in motion through the dynamo system, which recharges the battery. The detachable treadmill (4) provides an additional feature for exercise while stationary, and the solar panel (1) ensures sustainable and environmentally friendly charging. The hybrid e-vehicles offers a cost-effective, versatile, and user-friendly solution for individuals seeking both speed and well-being. The present invention highlights the importance of utilizing renewable energy sources and provides an innovative and sustainable approach to transportation. Figure 1

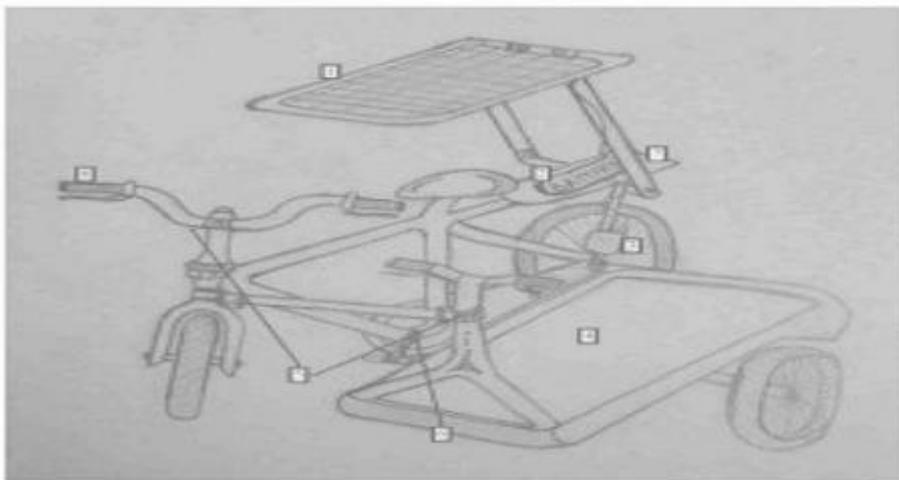


Figure 1 shows hybrid two-wheeler e-vehicle

No. of Pages : 25 No. of Claims : 7

The Patent Office Journal No. 29/2024 Dated 19/07/2024

62771

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# Winner of Devang Mehta IT Awards

VU2 – AI based Hexa-Wheel Robot

Cash Price – Rs. 1 Lack



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# INSEF-Indian Science and Engineering Fair – Level 2



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**INDIAN SCIENCE & ENGINEERING FAIR**

LEVEL-2 5<sup>th</sup> January, 2019

Jointly Organized by

**ATMIYA UNIVERSITY** & **SCIENCE SOCIETY OF INDIA**

Yogidham Gurukul, Kalawad Road, Rajkot

To commemorate  
*Golden Jubilee Celebration*

**Shree M. & N. Virani Science College**

Registration **FREE**

Online Submission Link: <http://sciencesociety.in/insef2>

Handbook for Registration: [http://sciencesociety.in/insef2/INSEF\\_Level2\\_Handbook.pdf](http://sciencesociety.in/insef2/INSEF_Level2_Handbook.pdf)

Last Date for Registration  
**15<sup>th</sup> December, 2018**

...for more details call or whatsapp  
**9979601779, 9898374961**

Winners in each category will get Medals & Certificates.  
Chance to get funding for Start-up from Incubation Center (Under SSIP)  
Gold medalist Students will get the chance to promote their project at National Level.

Atmiya University has organized 2<sup>nd</sup> time in a row, a State level Indian Science & Engineering Fair (INSEF) Level - 2 on 5th January, 2019 in collaboration with Science Society of India, Bangalore, India and Shree Manibhai Virani & Smt. Navalben Virani Science College, Rajkot - Celebrating its Golden Jubilee

This fair focused on projects / modals from science & engineering background.

Science Society of India invited innovative, research based project submission from students from Saurashtra region studying Bachelors or Masters level in Science, Engineering & Technology category.

Last year in 2018 when it was organized total 79 projects/models were represented which increased in this year and there were 160 projects/models showcased in this year. We are planning to increase this number to 400 next year by including projects/models from STEM background which will definitely improve the ecosystem of research and innovation in the field of STEM.

### Key Attractions:

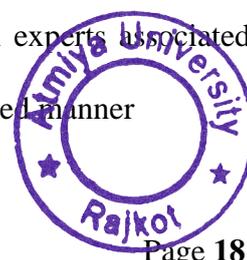
1. First of its kind Fair wherein the projects/models from both Science and Engineering and even inter and multidisciplinary field showcased at a single venue
2. Participating Students got Certificates of Participants
3. Guides of the Participants also honored with Certificate
4. Online submission procedure.
5. Project/model initially reviewed and scrutinized by external experts associated with science society of india
6. One project/model evaluated by minimum 3 experts in a phase I manner

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- Winners, First and Second runner up teams got Gold, Silver and Bronze medals in each categories of Science and Engineering like Software, Hardware, life science, bioscience and etc. along with the Certificate of Winner, first and second runner up

**Facts & Figures:**

Total Projects / Models Presented: Engineering = 101, Science = 59

Total Student Participants: 448

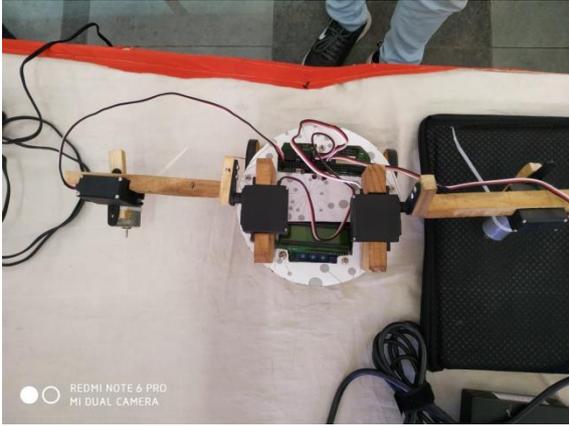
Gold Medals: Engineering = 13, Science = 04

Silver Medals: Engineering = 26, Science = 10

Bronze Medals: Engineering = 33, Science = 15

Print Media Coverage: All leading Newspapers - Morning and Evening - Times of India, Sandesh, AAJKAL, AKILA, Navbharat Samay,  
 Electronics Media Coverage: GTPL, ABTAK, CWS and Sandesh News  
 Radio Coverage: 98.3 Radio Mirchi





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# Rajkot campuses warm up to festivals in winter

Atmiya University organized a science and engineering fair on January 4.

Nearly 160 projects on various subjects were demonstrated at the fair. This was the second such state-level fair

mooted by Science Society of India-Bengaluru held in the university. The projects were demonstrated in three categories - hardware, software and science.



## Kansagra College students' talent display

A three-day KSN Bizz Bazaar 2019 was held in KSN Kansagra Mahila College from January 4 to January 6. The event is a platform for undergraduate students to display their talent in various programs like 'Swar Taj' a singing competition, 'Dance Dynamos,' 'Fashcult', a fashion show and 'Laughter Coaster' a stand-up comedy competition. The business fair also comprised of some fascinating special attractions which allures a massive influx of masses at the college. The attractions included Kathiyawadi Rangat, a Gujarati folk music programme performed by artists Prit Goswami and Rajiv Shrimali who charmed the students.

## 'Melange' draws huge crowd

The students of Indubhai Parekh School of Architecture (IPSA) celebrated 'Melange' festival recently. The word 'Melange' stands for amalgamation of different cultures, traditions and ideas into the spirit of 300 thinking heads that breathe it also, nurturing by exposing them to the paragons of our society. The theme of the festival was "Beyond the Boundaries" where some



lectures and discussions by Nicolas Moreau, Hiroko Kusunoki, Prasad Shetty, Shabbir Unwala, Arjun Maik and Harsh Patel were organized. IPSA hosted a 10-day

travel exhibition named "Death of Architecture" in which 13 of India's prominent and concerned architectural firms participated.



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mooted by Science Society of India-Bengaluru held in the university. The projects were demonstrated in three categories - hardware, software and science.



## Kansagra College students' talent display

A three-day KSN Bizz Bazaar 2019 was held in KSN Kansagra Mahila College from January 4 to January 6. The event is a platform for undergraduate students to display their talent in various programs like 'Swar Taj' a singing competition, 'Dance Dynamos,' 'Fashcult', a fashion show and 'Laughter Coaster' a stand-up comedy competition. The business fair also comprised of some fascinating special attractions which allures a massive influx of masses at the college. The attractions included Kathiyawadi Rangat, a Gujarati folk music programme performed by artists Prit Goswami and Rajiv Shrimali who charmed the students.

## 'Melange' draws huge crowd

The students of Indubhai Parekh School of Architecture (IPSA) celebrated 'Melange' festival recently. The word 'Melange' stands for amalgamation of different cultures, traditions and ideas into the spirit of 300 thinking heads that breathe it also, nurturing by exposing them to the paragons of our society. The theme of the festival was "Beyond the Boundaries" where some



lectures and discussions by Nicolás Moreau, Hiroko Kusunoki, Prasad Shetty, Shabbir Unwala, Arjun Maik and Harsh Patel were organized. IPSA hosted a 10-day travel exhibition named "Death of Architecture" in which 13 of India's prominent and concerned architectural firms participated.



*[Handwritten signature]*

**Registrar**  
**Atmiya University**  
**Rajkot**

Atmiya University, Rajkot-Gujarat-India



# સંદેશ રાજકોટ સિટી

આવૃત્તિ

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## રાજકોટના ઈજનેરી કોલેજના સાયન્સફેરમાં આંખો પહોળી કરે તેવા પ્રયોગો સીડી ચડો તો વીજળી પેદા થાય, ખેડૂત ચાલે અને દવા આપમેળે છંટાય

**ઈનોવેશન સ્માર્ટ મલ્ટીલેવલ પાર્કિંગ, ઓવરચાર્જિંગની સમસ્યાનો હલ આપતી સર્કિટ**

દેશમાં નોલેજ પાવરની કોઈ કમી નથી, જો તેમને તક આપો તો નાની મોટી તમામ સમસ્યાઓનો વૈજ્ઞાનિક હલ શોધવા માટે યુવાપન સક્ષમ હોવાનું રાજકોટને આંગણે આત્મિય કેમ્પસ ખાતે યોજાએલા ઈજનેરી કોલેજોના સાયન્સફેરના સાયન્સ ફેરમાં પ્રતિષ્ઠિત યુવક યુવતી વીજળીની કમી છે તો દરેક વ્યક્તિના ધરની સીડી ચડી ઉતરી વીજળી મેળવી શકે છે. ટ્રાન્ઝિકની સમસ્યા છે તો સ્માર્ટ

**વિજ્ઞાન મેળો પરિણામો...**  
વિજ્ઞાન મેળામાં નિર્ણાયકોએ દરેક પ્રોજેક્ટની ચકાસણી કરીને તેમાંથી વિજેતા જાહેર કર્યા હતા તેમાં ગોલ્ડ મેડલ માલવેર ડિટેકશન માટે સહજ સમીર વૈદ્યવુડ પ્રોફાઇલ કટીંગ માટે રીશીત રાહોડ, સ્ટેન્ડ બાય સોલાર સિસ્ટમ માટે અજય મહેતા, હયુમન સેફ્ટી સેન્સર માટે જોશી રૂપી, ઓટોમેટીક ઓટોન્ડન્સ સિસ્ટમ માટે સોહમ કાંસોદરિયા, કુદૈજ પાવર સ્ટેપ માટે અભીષેક લાખાણી, ૩૬૦ ડિગ્રી ફ્રીલીંગ મશીન માટે વ્યાસ વેદાંતને ફાળો આપ્યો હતો.

પાર્કિંગ હાજર છે. વાવણી કરવી હોય તો એકલે હાથે ઘઉં સકે તેવી ઓરણી છે જે ખેતરમાં ખેડાસ કરે દાણા વાવે અને ખાતર પણ આપી શકે. આ તમામ સાધનોના વર્કિંગ મોડલ સાયન્સફેરમાં રજૂ થયા હતા.  
સાયન્સ સોસાયટી ઓફ ઈન્ડિયાના ઉપક્રમે યોજાએલા આ ફેરમાં ૧૦૦ પ્રોજેક્ટ રજૂ કરવામાં આવ્યા હતા.

**સીડી ચડો અને વિજળી પેદા થાય**



દેશમાં કાયમ વિજળીની સમસ્યા રહી છે. સોલાર તેનો વિકલ્પ છે પણ વિજ્ઞાનમેળામાં ઈલેક્ટ્રીકલના છાત્રો અભિષેક લાખાણી અને રાજસિંહ સોહાએ એવા પગથીયા બનાવ્યા છે તે ઘરમાં લગાવીને ચડ-ઉતર કરતા રહો તો વિજળી મળતી રહે. આ પ્રયોગો તેમણે સ્પોન અને બેરોંગની મદદથી સર્કિટ બોડી બનાવ્યો હતો. આ પ્રોજેક્ટને તેમની કેટેગરીમાં ગોલ્ડમેડલ આપવામાં આવ્યો હતો.

**બગમાંથી પાકેલુ ફળ શોધી આપું છર્વેરટ**



બગીચામાં રોબોટીક પાકેલા ફળ શોધવા જવામાં અને તેનેઉતારવામાં કિસાનોને જે સમસ્યા થાય છે તેના ઉકેલ માટે ઈ સી ના વિદ્યાર્થી વંદન પંડ્યાએ કોમ્પ્યુટર અને સેન્સર સેન્સરની મદદથી હાવેસ્ટ તેચાર કલે છે જે બગીચામાં ફરીને પાકા ફળ શોધી તેને ઉતારી પણ શકે છે. આનો બગીચો સ્ટેન કરી આપવું આ મશીન ભવિષ્યમાં ઉપયોગી બનશે.

**ઓવર ચાર્જિંગની સમસ્યા ખાળતી સર્કિટ**



વીજળીના ઉપકરણોમાં ઓવરચાર્જિંગની કાયમ સમસ્યા રહે છે. રાતે બેટરી ચાર્જમાં મુક્યા બાદ તે ક્યારે ફુલ થાય છે ત્યા સુધી કોઈ જાગરું હોવું નથી તેના કારણે બેટરી ફાટવાની તેમજ તેની આસુચ્ય ગ્રડપથી પૂરી થઈ જવા સહિતની સમસ્યાઓ છે. જેના ઉકેલ તરીકે ઈલેક્ટ્રોનિકની વિદ્યાર્થીઓ પ્રતિષ્ઠા નકુમ, નીરૂ મુટી અને સોહાની રચનાએ એવી સર્કિટ બનાવી છે જે ચાર્જરનેઈન્ડીકેટ કરીને એની મેલે પાવર કટ કરે છે.

**એ.સી., ડી.સી. પાવર કે સેલરથી ચાલતું ઓસ્કોલેટર**



ઓસ્કોલેટર ચાલે કે જાતે પગથીયા ચડ ઉતર કરાવતી સીડી આ સીડી માત્ર એ સી. પાવર ઉપર જ ચાલતી હોવાથી પાવર જાય ત્યારે હોસ્પિટલોમાં સમસ્યા ઉભી થતી હોય છે. મોલ અને રેલવે સ્ટેશને પણ મુશ્કેલી ઉભી થાય છે. જેના ઉકેલરૂપે ઈલેક્ટ્રીકલના છાત્ર અજય મહેતાએ એ.સી. ઉપરાંત ડી.સી. પાવર અને વિકલ્પે સોલાર પાવરથી ચાલતું ઓસ્કોલેટર બનાવ્યું છે.

**ખેડૂત ચાલતો રહે દવા છંટાતી રહે**



ખેડૂતો માટે પાકમાં દવાનો છંટકાવ કરવાની કામગીરી કરીને અને મહેનત માગી લે તેવી હોય છે. આ કામગીરી મિટિનિકલના છાત્ર ચલેશ સોલુજા અને મિલન વેણાવ નામના બે ખેડૂતપુત્રોએ સરળ બનાવી છે. ભારેખમ પંપ ઉપાડવાની હવે ખેડૂતને જરૂર નહિ રહે. એક ટ્રોલી ઉપર પંપ મુકી એવું મિટિનિકમ કરાવ્યું છે કે ટ્રોલી ચાલે એટલે એકી સાથે બે લાઈનમાં દવા છંટકાવી આવે છે. ખેડૂતની મહેનત અને સમય બંનેનો બચાવ થશે.

**એક જ મોટર ઉપર ઓટોમેટિક ચાલતા બે ઘોડીયા**



ઓટોમેટિક ઘોડીયા કોઈ નવો વાત નથી પણ એક જ મોટર ઉપર ચાલતા બે ઘોડીયા ચોક્કસ નવી વાત છે. મિટિનિકલ ઈજનેરીના બે છાત્રો મિનાક ફુલદુ અને ગઢીયા પ્રતિક એક જ મોટર ઉપર ચાલતા બે ઘોડીયા બનાવ્યા છે. વીજળી બચાવવા સહી એવું મિટિનિકમ બનાવાયું છે. એક સાથે બે ઘોડીયા ચાલી શકે છે. બાળકને હિસકા નાખવાની જરૂર રહેતી નથી હોસ્પિટલો અને બાળગૃહો માટે આ ઘોડીયા ઉપયોગી બને તેવો સમોદાનનો દાવો છે.

**ખેડાણ અને વાવણી કરી આપવું સીડ સોલિંગ ડ્રીવ**



ખેડૂતો માટે ખેડિમાં વાવણી પહેલા ખેડાણ અને ત્યારબાદ બીજની વાવણી કરવા માટે કબલ મહેનત અલગ અલગ રીતે કરવાની થાય છે. ખેડૂતની આ બમણી મહેનતનું સોલ્યુશન રિદામ દવે અને તેની ટીમે સીડ સોલિંગ ડ્રીવના નામે શોધી કાઢ્યું છે. તેમાં ખેડાણ અને ત્યારબાદ વાવેતર એક સાથે થઈ શકે છે. સુડી અને ભીની બંને જમીનમાં આ મશીન માનવબળથી ચાલતું રહે છે. તે વજનમાં હળવું હોવાથી બજારની જરૂર નથી પડતી એક ખેડૂત એકલો આ મશીન ચલાવી શકે છે.

**સરતુ અને મૂવેબલ મલ્ટીરોટરી પાર્કિંગ**



ભારતના દરેક શહેરમાં પાર્કિંગની સમસ્યા છે. સ્થાનિક વહિવટી તંત્ર ઉપરાંત વેપારીઓ અનેઉદ્યોગકારોને પણ પાર્કિંગના પ્રશ્નો વેપાર, ધંધાના સ્થળે રહેતા હોય છે. આ સમસ્યા સામે સરતુ અને મૂવેબલ પાર્કિંગ બનાવીને મિટિનિકલના છાત્ર હર્ષ ત્રિવેદી અને નિલંબ મકવાણાએ વિકલ્પ આપ્યો છે. તેમનું આ પાર્કિંગ ૨૦ ગાડીના પાર્કિંગના સ્થાને ૧૦૦ ગાડીને પાર્ક કરવાની સુવિધા આપે છે. દરેક કાર સેફ્ટીથી રહે છે. કાર મુકો એટલે પાર્કિંગ ચકડોળની જેમ ઉંચે ચાલ્યું જાય છે નીચે બીજી કારની જગ્યા આવે છે.

**પેડલ મારવાથી કસરત કરો અને ઘાસ કાપો**



હેલ્થ સાથે બગીચાની સાફ સફાઈ થઈ શકે તેવી સાચકલ વિજ્ઞાનમેળામાં જોવા મળી હતી. સામાન્ય મિટિનિકમ ધરાવતું પેડલ ગ્રાસ કટર એક સાથે બે ઉપયોગમાં આવી શકે તેમ હોવાનું સમોદાનકો જય ગોંડલિયા અને પાલ્લવ વાવેલાએ જણાવ્યું હતું. પેડલ મારવાથી સાચકલ આગળ ઘાપે છે અને આગળ ખોડેલું કટર લોન સાફ કરતું રહે છે.

  
**Registrar**  
**Atmiya University**  
**Rajkot**





**ATMIYA  
UNIVERSITY**  
RAJKOT, GUJARAT (INDIA)

## Report of Events

Organized by





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# Event Report

for

**“Become a next GDSC Lead at Atmiya University”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 15<sup>th</sup> March, 2024**

**Time: 06:00 PM – 07:00 PM**

**Venue: Google Meet**

**Event Mode: Online**

**No. of Participants: 12**

## **EVENT OVERVIEW:**

The event "Become the Next GDSC Lead at Atmiya University" was organized by the Google Developer Student Clubs (GDSC) at Atmiya University on the 15th of March, 2024. It aimed to inform and guide interested students on how to apply to become the GDSC Lead at their university for the upcoming tenure.

## **EVENT HIGHLIGHTS:**

The event commenced with an introduction to the GDSC program and its significance in fostering a community of developers. The speaker elaborated on the application process, which included applying for the GDSC Lead position, appearing for a diagnostic test, getting shortlisted for an interview, and the final announcement of the shortlisted GDSC Leads.

### **Requirements and Benefits:**

Following this, the speaker discussed the essential requirements to become a GDSC Lead, emphasizing the need for candidates to be enrolled in a degree program at a college or university, have a passion for creating impact in the community, commit to the program for one year, possess a strong technical understanding of computer programming and software engineering, and have experience with event planning and leading teams.

The benefits of becoming a GDSC Lead were also highlighted, including professional growth, network expansion, and the opportunity to contribute to community building.

### **Q&A Session:**

The event concluded with a question-and-answer session, where participants had the opportunity to clarify their doubts and interact with the GDSC team. This session facilitated a deeper understanding of the responsibilities and expectations associated with the role of a GDSC Lead.

### **Community platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-become-a-next-gdsc-lead-at-atmiya-university/>

## EVENT GLIMPSE:



Invitation flyer of the Event

# 1. APPLICATION PROCESS LOOKS LIKE

Apply for GDSC lead position

Appear for Degree's test

Get also invited for interview

Download GDSC lead application

# 2. REQUIREMENTS FOR BECOME A GDSC LEAD

- Enrolled in a degree program at a college or university
- Can commit to the program for one year
- Have experience with the most advanced or cutting-edge
- Strong technical know-how in programming & software engineering
- Passionate about creating impact in community

# 4. BENEFITS TO GDSC LEAD

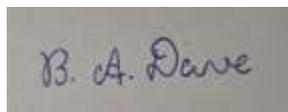
- Professional Growth
- Network Growth
- Community Learning

Information for becoming next GDSC Lead

## ATTENDANCE SHEET:

The total number of participants was 12 and the mode of the event was online.

Order number	Ticket number	First Name	Last Name	Checkin Date (UTC)
DSCE242425910	DSCA242263518	Akshit	Vadher	2024-03-15 12:34:41+00:00
DSCE242424548	DSCA242262342	Birva	Dave	2024-03-15 12:37:06+00:00
DSCE242424320	DSCA242262162	Brijraj	Kacha	2024-03-15 12:34:46+00:00
DSCE242424910	DSCA242262686	Divyesh	Thakar	2024-03-15 12:34:54+00:00
DSCE242426926	DSCA242264325	Krushang	Mehta	2024-03-15 12:35:16+00:00
DSCE242424393	DSCA242262215	Mahesh	Godwani	2024-03-15 12:26:34+00:00
DSCE242424515	DSCA242262314	Nishita	Rajpara	2024-03-15 12:31:02+00:00
DSCE242425842	DSCA242263469	Parth	Kakdiya	2024-03-15 12:38:57+00:00
DSCE242424448	DSCA242262263	Rahul	Dabhi	2024-03-15 12:23:57+00:00
DSCE242424428	DSCA242262244	Riyanshi	Vasoya	2024-03-15 12:36:10+00:00
DSCE242424458	DSCA242262270	Vishvajitsinh	Chudasama	2024-03-15 12:32:29+00:00
DSCE242424499	DSCA242262298	Vivek	Bopaliya	2024-03-15 12:36:13+00:00



Birva Dave,

GDSC Lead

(Digitally Signed)

## **CONCLUSION:**

In conclusion, the "Become the Next GDSC Lead at Atmiya University" event provided valuable insights into the application process, requirements, and benefits of becoming a GDSC Lead. The event was well-received by the attendees and served as a stepping stone for students interested in taking on leadership roles within the GDSC community.



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# Event Report

for

**“Code Carnival”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 2<sup>nd</sup> & 3<sup>rd</sup> March**

**Time: 2<sup>nd</sup> March 8 AM to 3<sup>rd</sup> March 8 PM (36 hrs)**

**Venue: Pharmacy Hall & Reading room**

**Event Mode: Offline**

**No. of Participants: 525**

## **EVENT OVERVIEW:**

Code Carnival 2024, a national-level hackathon, was orchestrated by the Google Developer Student Clubs (GDSC) at Atmiya University. Taking place on March 2nd and 3rd, 2024, the event attracted 525 participants and 160 teams from across the nation. All planning and execution by the GDSC team ensured a smooth and seamless experience for all involved, laying the foundation for a remarkable display of innovation and technical expertise.

## EVENT HIGHLIGHTS:

- **Inaugural Function:** The start of Code Carnival 2024 was marked by a grand opening ceremony, where participants, and honoured guests gathered to kick off the event with speeches and excitement.
- **State Recognition:** Code Carnival had over 525 participants forming 160 teams. This diverse group of students came together to share their passion for technology and problem-solving.
- **Diverse Participation:** Code Carnival 2024 attracted a diverse pool of participants. Teams from various parts of Gujarat and beyond showcased their enthusiasm, with 2 teams traveling from outside Gujarat, and 9 teams from beyond Rajkot. Additionally, 64 teams from different educational institutions contributed to a vibrant exchange of ideas.
- **Varied Team Structures:** Teams displayed diverse structures, with 84 consisting of 4 members, 31 with 3 members, and 11 with 2 members. Notably, 7 individuals courageously participated solo, demonstrating independence and technical prowess.
- **Comprehensive Problem Set:** The hackathon presented 41 problem statements covering a wide range of fields such as education, healthcare, and cybercrime prevention. This diversity ensured that participants could find challenges aligned with their interests and creativity.
- **Creativity and Innovation:** Each team showcased unique problem-solving approaches, impressing judges with their creativity and technical skills.
- **Impactful Ideas:** Specific problem statements like the Student Portfolio Hub and Campus Event Planner resonated deeply with participants, inspiring innovative solutions with the potential to revolutionize campus life and empower students.
- **Intense 36-Hour Hackathon:** The core event, a 36-hour hackathon, provided a focused environment for intense innovation, pushing participants to develop solutions within a limited timeframe.
- **Supportive Environment:** The organizing team ensured participants' well-being and focus with amenities such as five meals, a game zone for stress relief and team bonding, operational overnight canteens, and a designated selfie point, fostering a vibrant and collaborative atmosphere.

- **Exceptional Solutions:** The hackathon yielded a harvest of innovative solutions recognized by judging panels, highlighting the immense potential and talent among participants.
- **Valedictory Function:** As Code Carnival 2024 came to a close, participants, judges and organizers gathered once again for the valedictory function. Here, they reflected on the journey of the hackathon and celebrated the efforts and achievements of all involved.
- **Recognition and Motivation:** Winners were honoured with prizes and participation certificates, serving as a well-deserved recognition of their achievements and motivating them for future endeavours.
- **Celebrating Technology:** Code Carnival 2024 celebrated creativity, collaboration, and a shared passion for technology. It provided a platform for students to showcase their talent, learn from each other, and push the boundaries of innovation.

### **Community Platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-code-carnival-the-open-hackathon/cohost-atmiya-university-rajkot-india>

## EVENT GLIMPSE:



All Attendees



Glimpse of Hackathon



Organizing Team



Winning Teams



Glimpse of Hackathon



Inaugural Robot



Inauguration



Valedictory function



Evaluating rounds



All Judges



Code Carnival flyer of the event



Code Carnival Participants

# ATTENDANCE SHEET:

Name	Institution	Team	Attendance
Vedant Patel	Kdk college of engineering	TM001	
Jenish Srijan Maris	St. Joseph Engineering College	TM002	
Jaison O'Souza	St. Joseph Engineering College	TM002	
Sonith Noronha	St. Joseph Engineering College	TM002	
Lishel Lobo	St. Joseph Engineering College	TM003	
Bhanushali Harsh Jitendra	darshan university	TM004	
Ravi Gehlot	atmiya university	TM004	
Anand Trambadiya	atmiya university	TM004	
Prashant Shuva	atmiya university	TM004	
Vishal Kumar Jaiswal	atmiya university	TM005	
Mihir Solanki	marwadi university	TM005	
Prem Kamothi	marwadi university	TM005	
Dhruvin Marakna	marwadi university	TM005	
Devansh Rajani	marwadi university	TM006	
Nimosh Varasada	marwadi university	TM006	
Kuldeep Dave	marwadi university	TM006	
Pranav Dave	marwadi university	TM006	
Chintan Pannar	marwadi university	TM007	
Chhatbar Abhishek	atmiya university	TM007	
Daksh Trivedi	atmiya university	TM007	
Parth Gandaliya	atmiya university	TM007	
Divyam Gankera	atmiya university	TM008	
Meet Ahya	atmiya university	TM008	
Adesara Vivek Amitbhai	atmiya university	TM008	
Dolly Trivedi Bharatbhai	atmiya university	TM008	
Padia Trupti Bhupondrabhai	atmiya university	TM009	
Vakharia Bhavarth Tusharbhai	a.v.p.t.i	TM009	
Amranta Umang Yogeshlohai	a.v.p.t.i	TM010	
Bhavya Rosiya	atmiya university	TM010	
Pannar Parthrajsinh	atmiya university	TM010	
Vivek Masalia	atmiya university	TM010	
Murtaza Bharmal	atmiya university	TM011	
Miraj Sankdecha	atmiya university	TM011	
Bhavya Popat	atmiya university	TM011	
Shahnawaz Bhoja	atmiya university	TM011	
Twisha Solanki	atmiya university	TM012	
Mashru Riya Pintubhai	atmiya university	TM012	
Goswami Riya Gunvantpari	atmiya university	TM012	
Desai Jenisha Jagdishbhai	atmiya university	TM012	
Aashruti Patola	atmiya university	TM013	
Ayushi Gajera	atmiya university	TM013	
Drashni Radadiya	atmiya university	TM013	
Gaurav Kumar	marwadi university	TM014	
Ankit Sharma	marwadi university	TM014	
Mantu Kumar Morya	marwadi university	TM014	
Sahil Kumar	marwadi university	TM014	
Bhatti Monij Rustambhai	atmiya university	TM015	
Sorathiya Kuldip Pravinbhai	atmiya university	TM015	

Amrallya Pranav	atmiya university	TM015	
Bhatti Shubham	atmiya university	TM016	
Ailani Piyush	atmiya university	TM016	
Kaladiya Darshan	atmiya university	TM016	PL
Devkar Vivek	atmiya university	TM017	
Umaraniya Jeet	atmiya university	TM018	
Parmar Vishakha Manojbhai	IG University	TM018	
Patel Meet Dilipbhai	IG University	TM018	
Shivhare Rohit Laxminarayan	IG University	TM018	
Ojha Tanvi Praveenkumar	IG University	TM019	
Raval Arpan Kanaiyalal	IG UNIVERSITY	TM019	
Gupta Krish Manishbhai	IG UNIVERSITY	TM019	
Rachhadiya Ritu Rajeshbhai	IG UNIVERSITY	TM020	P. Parke
Hemang M. Balidha	darshan university	TM020	Manish
Ghanshyamsinh M. Zala	darshan university	TM020	A. C. Desani
Hetvi C. Deshani	darshan university	TM020	
Shruti K. Vadgama	darshan university	TM021	
Diya Koradiya Navinbhai	vvp	TM021	kk
Kruti Kaneriyas Rasikbhai	vvp	TM021	
Nakul Maniar Hiteshbhai	vvp	TM021	
Nimesh Kadercha Atulbhai	vvp	TM022	
Vaghasiya Prijesh Govindbhai	gec rajkot	TM022	
Rathod Shivani Mansingbhai	gec rajkot	TM022	
Bhavy Ukan	atmiya university	TM023	
Karan Chaudhary	atmiya university	TM023	
Yesha Mori	atmiya university	TM023	
Krish Gorasiya	atmiya university	TM023	
Subham Patra	marwadi university	TM024	
Krutika Panigrahi	marwadi university	TM024	
Aditya Singh	marwadi university	TM024	
Yash Singh	marwadi university	TM024	
Chauhan Jarvik V.	a.v.p.t.i	TM025	
Manani Rashmi A.	a.v.p.t.i	TM025	
Japendra Oza	Chandubhai .S Patel Institute	TM026	
Jeel Haria	Chandubhai .S Patel Institute	TM026	
Parekh Anish Nimesh	Chandubhai .S Patel Institute	TM026	
Het Shah	Devang Patel Institute	TM026	
Ronak Theslya	darshan university	TM027	
Ayush Solanki	darshan university	TM027	
Meet Tarpara	darshan university	TM027	
Meet Vaghasiya	darshan university	TM027	
Anurag Giri	ITM VOCATIONAL UNIVERSITY	TM028	
Bhoomi Purohit	ITM VOCATIONAL UNIVERSITY	TM028	
Rudra Joshi	ITM VOCATIONAL UNIVERSITY	TM028	
Yash Solanki	ITM VOCATIONAL UNIVERSITY	TM028	
Gajjar Prit Jitendrakumar	LJ College	TM029	
Panchal Dhwanit Hardikbhai	LJ College	TM029	
Joshi Devarsh Hemal	LJ College	TM029	
Sanghavi Bhavy Rajankumar	LJ College	TM029	
Paresh Chaudhary	darshan university	TM030	
Mukesh Chaudhary	darshan university	TM030	

✓ Tejas Parmar	darshan university	TM030	<i>Tejas</i>
✓ Nilesh Der	darshan university	TM030	<i>Nilesh</i>
✓ Aakash	marwadi university	TM031	<i>Aakash</i>
✓ Bittu Kumari	marwadi university	TM031	<i>Bittu Kumari</i>
✓ Janvi	marwadi university	TM031	<i>Janvi</i>
Hina Chauhan	marwadi university	TM031	
Baraiya Ashish S.	Lalubhai Institute	TM032	
✓ Khatri Kapil V. <i>Abstract Come</i>	Lalubhai Institute	TM032	
✓ Nayan Parmar	saurashtra university	TM033	<i>Nayan</i>
✓ Jaydip Prajapati	atmiya university	TM033	<i>Jaydip</i>
Jeet Patel	JG University	TM034	
Valdehi Nayakpura	JG University	TM034	
Tanisha Vihol	JG University	TM034	

Hemang Lakhadiya	atmiya university	TM035	
Het Hingrajiya	atmiya university	TM035	
Yuvraj Gosai	atmiya university	TM035	
Raj Kothari	atmiya university	TM035	
Renish Ponkiya ✓	gec rajkot	TM036	
Sanket Sakariya ✓	gec rajkot	TM036	
Shamik Patoliya ✓	gec rajkot	TM036	
Jyoti Vekariya	marwadi university	TM037	
Hemangi Ramaruj	marwadi university	TM037	
Joli Dhamsaniya	marwadi university	TM037	
Satyam Acharya	marwadi university	TM037	
Gaurav Bhuva	vvp	TM038	
Maulik Valambhiya	vvp	TM038	
Darshan Chavda	vvp	TM038	
Dhruv Savaliya	saurashtra university	TM038	
Devam Trivedi ✓	marwadi university	TM039	
Hetansh Shah ✓	marwadi university	TM039	
Het Kotecha ✓	marwadi university	TM039	
Ayush Gajera ✓	atmiya university	TM039	
Kwisha Amitkumar Bhalala ✓	marwadi university	TM040	
Jajahnavi Krishna Rao Yandra ✓	marwadi university	TM040	
Vidhisha Jignesh Bhatt ✓	marwadi university	TM040	
Shrushti Rajeshbhai Vachhani ✓	marwadi university	TM040	
Krunalkumar Mungara ✓	marwadi university	TM041	
Rohitkumar Luni ✓	marwadi university	TM041	
Rudrik Bhatt ✓	marwadi university	TM041	
Smit Tank ✓	marwadi university	TM041	
Madhav Lehu •	darshan university	TM042	
Crisha Desai •	darshan university	TM042	
Bhakti Thumar •	darshan university	TM042	
Yagna Gajjar •	darshan university	TM042	
Kishan Vradia ✓	atmiya university	TM043	
Bhuresh Parmar ✓	atmiya university	TM043	
Kushal Makwana ✓	atmiya university	TM043	
Darshan Ramshibhai Varu ✓	vvp	TM044	
Tushir Chimanbhai Varu ✓	vvp	TM044	
Khush Prameshbhai Vachhani ✓	vvp	TM044	
Yash Prafulbhai Bhatti ✓	vvp	TM044	
Olugotun Joshua Oluwatunmi	marwadi university	TM045	
Gospel Oghenetekewe John	marwadi university	TM045	
Saif Rathod	marwadi university	TM045	
Madhav Patadiya	saurashtra university	TM045	
Maitry Parikh ✓	atmiya university	TM046	
Khushi Vyas ✓	atmiya university	TM046	
Rutu Dachania ✓	atmiya university	TM046	
Shivangi Raval ✓	atmiya university	TM046	
Jagani Kelvin ✓	vvp	TM047	
Dadhaniya Vivek ✓	vvp	TM047	
Kavy Boricha ✓	vvp	TM047	
Meet Madani ✓	vvp	TM047	

Aastha Gondaliya ✓	atmiya university	TM048	HP
Shivani Rabara ✓	atmiya university	TM048	P
Khushi Gausvami ✓	atmiya university	TM048	P
Diya Bhuvra ✓	atmiya university	TM048	Ushiq
Vishva Vadaliya ✓	vvp	TM049	HP
Birva Sojitra ✓	vvp	TM049	HP
Vaibhavi Machchhar ✓	vvp	TM049	HP
Karan Longani ✓	vvp	TM050	K.T. banyan
Zeel Somani ✓	vvp	TM050	Zeeb
(F) Tisha Gokani ✓	vvp	TM050	Tika
Karan Thakar ✓	vvp	TM050	K.T.
Gautam Rahul Fatehbahadur ✓	atmiya university	TM051	Roha
Pansala Shivani Narendrabhai ✓	atmiya university	TM051	Shu
Pansala Megha Pankajbhai ✓	atmiya university	TM051	Shu
Malvi Kadivar Hareshbhai ✓	atmiya university	TM051	Shu
Akshi Manishbhai Vyas ✓	atmiya university	TM052	Umesh
Patel Devanshi Piyushbhai ✓	atmiya university	TM052	D.J.
Cheri Ranchchh ✓	atmiya university	TM052	Shu
Dhwani Shingala ✓	atmiya university	TM052	Shu
Bagda Rahul ✓	atmiya university	TM053	Shu
Dhanwani Krunal D. ✓	atmiya university	TM053	Shu
Dodlya Rushita R. ✓	atmiya university	TM053	Shu
Makwana Mehul R. ✓	atmiya university	TM053	Shu
Valand Aditya Kumar Shubhashbhai ✓	gec rajkot	TM054	Shu
Shivakant Mishra ✓	gec rajkot	TM054	Shu
Valand Dharaben Subhashbhai ✓	GEC Modasa	TM054	Shu
Vasra Aarti Polabhai ✓	gec rajkot	TM054	Shu
Priyanshu Rabadiya ✓	vvp	TM055	Shu
Rishi Bhadesiya ✓	vvp	TM055	Shu
Aryan Jotangia ✓	vvp	TM055	Shu
Shubham Poojara ✓	vvp	TM055	Shu
Kamani Ankit ✓	atmiya university	TM056	Shu
Harsh Karetiya ✓	atmiya university	TM056	Shu
Tasmin Hirapara ✓	atmiya university	TM056	Shu
Priyanka Dobariya ✓	atmiya university	TM056	Shu
Khushi Yagnesh Shukla ✓	atmiya university	TM057	Shu
Preeti Mohanbhai Rathod ✓	atmiya university	TM057	Shu
Nishita Hareshkumar Rajpara ✓	atmiya university	TM057	Shu
Neha Vinodbhai Parmar ✓	atmiya university	TM057	Shu
Priyanka Vastarpara ✓	atmiya university	TM058	Shu
Vichi Viradiya ✓	atmiya university	TM058	Shu
Kriyanshi Kamani ✓	atmiya university	TM058	Shu
Isha Dave ✓	atmiya university	TM058	Shu
Mohit Goswami ✓	marwadi university	TM059	Shu
Mahek Tikmani ✓	marwadi university	TM059	Shu
Sujal Kareliya ✓	marwadi university	TM059	Shu
Vivek Chanababa ✓	marwadi university	TM059	Shu
Meet Maganbhai Korat ✓	atmiya university	TM060	Shu
Chand Sanjaybhai Bhafodiya ✓	atmiya university	TM060	Shu
Nirav Mahendrabhai Patel Out	atmiya university	TM060	Shu
Harshil Khunt ✓	atmiya university	TM060	Shu

Delvadiya Poojan		atmiya university	TM061	<i>Poojan</i>
Aayush Desai		atmiya university	TM061	<i>Aayush</i>
Hemang Dobariya		atmiya university	TM061	<i>Hemang</i>
Mustafa Dhankot		atmiya university	TM061	<i>Mustafa</i>
Kashyap Savaliya		marwadi university	TM062	<i>Kashyap</i>
Aanal Soni		marwadi university	TM062	<i>Aanal</i>
Vatsal Chauhan		marwadi university	TM062	<i>Vatsal</i>
Sephanya Santhosh		marwadi university	TM062	<i>Sephanya</i>
Rahul Dabhi	✓	atmiya university	TM063	<i>Rahul</i>
Jeet Barbhaya	✓	atmiya university	TM063	<i>Jeet</i>
Sachit Dabhi	✓	atmiya university	TM063	<i>Sachit</i>
Veerengiri Goswami	✓	gec rajkot	TM064	<i>Veerengiri</i>
Milan Gohel	✓	gec rajkot	TM064	<i>Milan</i>
Harsh Mer	✓	gec rajkot	TM064	<i>Harsh</i>
Tejash Khoraba	✓	gec rajkot	TM064	<i>Tejash</i>
Yash Vadhavana		vvp	TM065	
Vivek Chandrasala	✓	atmiya university	TM066	<i>Vivek</i>
Nirmi Maradiya	✓	atmiya university	TM066	<i>Nirmi</i>
Priyansh Mehta	✓	vvp	TM066	<i>Priyansh</i>
Gautamkrishna Vadakkealunkal	✓	atmiya university	TM066	<i>Gautamkrishna</i>
Manan Boricha	✓	atmiya university	TM067	<i>Manan</i>
Harshil Faldu	✓	atmiya university	TM067	<i>Harshil</i>
Priyanshu Lukka	✓	atmiya university	TM067	<i>Priyanshu</i>
Vaibhav Joshi	✓	gec rajkot	TM068	<i>Vaibhav</i>
Brinda Bhatti	✓	gec rajkot	TM068	<i>Brinda</i>
Payal Piprotar	✓	gec rajkot	TM068	<i>Payal</i>
Brinda Mandora	✓	gec rajkot	TM068	<i>Brinda</i>



At Sanghani	atmiya university	TM082		
Devendrkumar	a.v.p.t.i	TM083		
Dhruv Khant	marwadi university	TM084		
Meet Patel	marwadi university	TM084		
Mohitkumar Makavana	marwadi university	TM084		
Vaghela Karanrajsinh	marwadi university	TM084		
Vasani Viraj	atmiya university	TM085		
Vaghela Manav	atmiya university	TM085		
Prushti Pithadiya	atmiya university	TM085		
Janvi Rupapara	vvp	TM086		
Tank Jagnesh	vvp	TM086		
Pallavi Rathod	vvp	TM086		
Jeet Prajapati	Charotar University	TM087		
Nikunj Detroja	Charotar University	TM087		
Vraj Desai	Charotar University	TM087		
Uday Sutaria	Charotar University	TM087		
Ravi Sorathiya	atmiya university	TM088		
Jenil Desai	atmiya university	TM088		
Godwani Mahesh Nandlalbhai	atmiya university	TM089		
Mori Merubhai Bharatbhai	atmiya university	TM089		
Parth Rameshbhai Kakadiya	atmiya university	TM089		
Nathani Darshil Narendrabhai	atmiya university	TM089		
Ayush Dholakiya	atmiya university	TM090		
Dharmi Dholu	atmiya university	TM090		
Krupa Donga	atmiya university	TM090		
Riya Amipara	gec rajkot	TM091		
Sweta Duari	gec rajkot	TM091		
Jahanvi Nakum	gec rajkot	TM091		
Neha Zala	gec rajkot	TM091		
Krishnadeepsinh Jadeja	atmiya university	TM092		
Karan Raval	atmiya university	TM093		
Priyank Pambhar	atmiya university	TM093		
Galani Ferli B.	atmiya university	TM093		
Kalariya Alish	atmiya university	TM093		
Viraj Vadodariya	atmiya university	TM094		
Popat Sneh	atmiya university	TM094		
Vaidik	atmiya university	TM094		
Dhruv Joshi	marwadi university	TM095		
Deval Udani	marwadi university	TM095		
Dhaval Hirani	marwadi university	TM095		
Shubham Naliyapara	marwadi university	TM096		
Archit Shukla	marwadi university	TM096		
Karan Ashar	marwadi university	TM096		
Divya Adatiya	marwadi university	TM096		
Nikhil Nimavat	atmiya university	TM097		
Shubham Kushwaha	atmiya university	TM097		
Kamaldeep Solanki	atmiya university	TM097		
Dhruvik	darshan university	TM097		
Tirth	atmiya university	TM098		
Devang	atmiya university	TM099		

Jashyap ✓	atmiya university	TM098	<del>AB</del>
Dhanya Gandhi ✓	a.v.p.t.i	TM099	AB
Pooja Buntariya } not ✓	a.v.p.t.i	TM099	AB
Misha Dhokiya } come ✓	a.v.p.t.i	TM099	AB
Chaitany Thakar ✓	a.v.p.t.i	TM100	AB
Bhatti Jeel ✓	a.v.p.t.i	TM100	AB
Dinesh Amar Talwadker ✓	atmiya university	TM101	AB
Krishna Dharsandia ✓	atmiya university	TM101	AB
Ankur Gangani ✓	atmiya university	TM101	AB
Swayam Dave ✓	atmiya university	TM101	AB
Lathiya Vraj Manojbhai ✓	atmiya university	TM102	AB
Ginoya Kishan Kishorbhai ✓	atmiya university	TM102	AB
Jana Tushar Alok Nath ✓	atmiya university	TM102	AB
Ganatra Khushal Sureshbhai ✓	atmiya university	TM102	AB

Name	Grade	University	Roll No.	Signature	Initials
Krina Sapariya	✓	atmiya university	TM103		
Yashvi Vachhani	✓	atmiya university	TM103		
Devanshi Nar	✓	atmiya university	TM103		
Kavathiya Khushali	✓	atmiya university	TM104		
Rohan Ramesh Nair	A	atmiya university	TM104		
Chudasama Vishvajitsinh Surndraji	✓	atmiya university	TM104		
Parth A. Mashroo	A	atmiya university	TM105		
Malay Jayeshbhal Gajipara	✓	atmiya university	TM105		
Vishal Dabhi	✓	atmiya university	TM105		
Yash Kacha	✓	atmiya university	TM105		
Darshil Gajera	✓	Charotar university	TM106		
Dharmjeet Vaia	✓	Charotar university	TM106		
Dhruvil Bhatiya	✓	marwadi university	TM107		
Romilsinh Jadeja	✓	marwadi university	TM107		
Rishabh Bhatla	✓	marwadi university	TM107		
Harsh Soni	✓	marwadi university	TM107		
Rishi Rajgor	A	darshan university	TM108		
Bhargav Kachhela	✓	darshan university	TM108		
Jenish Vekriya	✓	darshan university	TM108		
Divyesh Umbasiya	✓	atmiya university	TM109		
Arpita Chavda	✓	H. N. Shukla	TM109		
Harshang Thakar	✓	atmiya university	TM109		
Bhakti Hirpara	A	H. N. Shukla	TM109		
Parth Sodha	✓	gec rajkot	TM110		
Chavda Vrunda Nileshbhai	✓	gec rajkot	TM110		
Tanchak Reena Bhanjibhai	✓	gec rajkot	TM110		
Gohel Pratik Mansukhbhai	✓	gec rajkot	TM110		
Solanki Vishva Nileshkumar	✓	atmiya university	TM111		
Krupa Vadukar	✓	atmiya university	TM111		
Foram Padariya	✓	atmiya university	TM111		
Monisha Samanta	✓	atmiya university	TM111		
Gaurav Bosamiya	✓	atmiya university	TM112		
Aaryan Vagadiya	✓	atmiya university	TM112		
Abhishek Yadav	✓	atmiya university	TM112		
Karan Thakar	✓	marwadi university	TM113		
Ayush Patel	✓	marwadi university	TM113		
Pankti Jakharia	✓	marwadi university	TM113		
Kirtan Sheth	✓	marwadi university	TM113		
Devvrat Dave	✓	gec rajkot	TM114		
Gujariya Jayraj Vaghajibhai	✓	gec rajkot	TM114		
Harvani Bhargav Bhagvanji	✓	gec rajkot	TM114		
Chauhan Sahil Sureshbhai	✓	marwadi university	TM115		
Darshit Anadkat	✓	marwadi university	TM115		
Harshit Kashyap	✓	marwadi university	TM115		
Jayrajsinh Gohil	✓	marwadi university	TM115		
Hardik Kashyap	✓	marwadi university	TM115		
Digvijay Gadhavi	✓	marwadi university	TM116		
Tarun Madhwani	✓	marwadi university	TM116		
Deep Bhatti	✓	vvp	TM117		

Yash Tifadra	✓	vvp	TM117	
Darshit Sodhatra	✓	vvp	TM117	Darshit
Tirth Jani	✓	atmiya university	TM118	
Brijesh Shekhada		atmiya university	TM118	
Raj Savani		atmiya university	TM118	
Kishan Shingarakhiya		atmiya university	TM118	
Kunjesh Patadiya	✓	marwadi university	TM119	
Prem Tank	✓	marwadi university	TM119	
Gungun Udhani	✓	marwadi university	TM119	
Khushi Mehta	✓	marwadi university	TM119	
Keyur Yogeshbhai Kurani	✓	vvp	TM120	
Vandan Pankajkumar Khambholiya	✓	vvp	TM120	
Om Divyeshbhai Kariya		vvp	TM120	
Jamila Sadikot	✓	vvp	TM121	
Man Dangariya	✓	vvp	TM121	
Hemanshu Ppaliya	✓	vvp	TM121	
Limnasiya Priyanshu	✓	darshan university	TM122	
Jay Bhatt	✓	darshan university	TM122	
Prince Bhindi	✓	darshan university	TM122	
Vasu Bhut	✓	darshan university	TM122	
Utsav Gangani	✓	vvp	TM123	
AX Jay Desai	✓	vvp	TM123	
Nandkishor Dhadha	✓	vvp	TM123	
Sanghavi Disha Gautambhai	✓	marwadi university	TM124	
Utsav K Sheth	✓	marwadi university	TM124	
Krutarth Akbari	✓	marwadi university	TM124	
Bhagyashri Ranpariya	✓	marwadi university	TM124	
Vithjani Krani Paresbhai	✓	atmiya university	TM125	
Vekariya Vidhi Vipulbhai	✓	atmiya university	TM125	
Pandya Udita Gaurangbhai	✓	atmiya university	TM125	
Sodha Janki Vijaybhai	✓	atmiya university	TM125	
Kayan Rank	✓	darshan university	TM126	
Harsh Karia	✓	darshan university	TM126	
Kishan Sachana	✓	darshan university	TM126	
Mayur Taleaniya	✓	B. H. Gardi college	TM126	
Dhruv Gangdev	✓	marwadi university	TM127	
Hevin Dudhatra	✓	marwadi university	TM127	
Pritesh Vasoya	✓	marwadi university	TM127	
Rupani Dev	✓	atmiya university	TM128	
Belim Nisharkhan	✓	atmiya university	TM128	
Jethva Aditya	✓	atmiya university	TM128	
Deep Pandya (M.E. out)	✓	atmiya university	TM129	
Dev Manseta	✓	atmiya university	TM129	
Rohit Zinzuvadiya	Ab	SREZ	TM130	
Aakash Ramoliya	Ab	rk university	TM130	
Umaraniya Jeet	✓	atmiya university	TM131	
Gohil Saurabh Nileshbhai	✓	atmiya university	TM131	
Sanchaniya Harsh	✓	atmiya university	TM131	
Prince Kanbi	✓	atmiya university	TM131	
Makwana Yash Dineshbhai	✓	atmiya university	TM132	
Pr H. Gol	✓	atmiya university	TM132	

Gayur D. Maniar ✓	atmiya university	TM132	<i>Gayur</i>	
Hariyani Viraj ✓	atmiya university	TM132	<i>Viraj</i>	
Gargi Navinchandra Patel ✓	vvp	TM133	<i>Gargi</i>	P
Poorva Mukeshbhai Tilva ✓	vvp	TM133	<i>Poorva</i>	P
Kalindi Navneetbhai Gadhia ✓	vvp	TM133	<i>Kalindi</i>	P
Kiratsata Manali ✓	atmiya university	TM134	<i>Kiratsata</i>	P
Solanki Khushi ✓ (me out)	atmiya university	TM134	<i>Solanki</i>	P
Purohit Bhavyata ✓ (me out)	atmiya university	TM134	<i>Purohit</i>	P
Abhay Mahendrabhai Vachhani ✓	atmiya university	TM135	<i>Abhay</i>	P
Priyanka Maheshbhai Jimudiya ✓	atmiya university	TM135	<i>Priyanka</i>	P
Janvi Pareshbhai Ashara ✓	atmiya university	TM135	<i>Janvi</i>	P
Niramay Thaker ✓	atmiya university	TM136	<i>Niramay</i>	P
Smeet Vaghela ✓	atmiya university	TM136	<i>Smeet</i>	P
Vivek vasant ✓	atmiya university	TM136	<i>Vivek</i>	P
Ghanshyamsinh Jadeja ✓	gec rajkot	TM136	<i>Ghanshyam</i>	P

## **CONCLUSION:**

Code Carnival 2024 went beyond being just a hackathon; it evolved into a celebration of creativity, teamwork, and innovation in the technology domain. The dedicated efforts of the GDSC team at Atmiya University shone brightly as they organized a successful and impactful event. With diverse participation and innovative solutions, Code Carnival 2024 showcased the best of the tech community, leaving a lasting impression on everyone involved.



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# Event Report

for

**“Hacking 101: Ethical Exploration in Cybersecurity”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 11<sup>th</sup> January 2024**

**Time: 12:00 PM – 01:30 PM**

**Venue: New Building, Seminar Hall, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 67**

## **EVENT OVERVIEW:**

Hosted by the Google Developer Student Clubs (GDSC) at Atmiya University, "Hacking 101: Ethical Exploration in Cybersecurity" was a dynamic event held on January 11, 2024. Led by Vivek Chandrasala, a Cyber Crime Investigator, Cyber Security Researcher, and OSINT Expert, the event aimed to provide participants with a comprehensive overview of hacking in the digital age.

## **EVENT HIGHLIGHTS:**

Vivek Chandrasala's session was a perfect blend of information and engagement. He started by defining hacking and delved into the different types of hackers, stressing the importance of ethical hacking. Vivek highlighted the skills and steps required to become an ethical hacker, offering valuable insights into the field.

One of the key features of the event was the practical demonstration conducted by Vivek. He showcased various hacking techniques, including Google Dorking, Reconnaissance (RECON), and Open-Source Intelligence (OSINT), providing participants with a hands-on experience. Moreover, Vivek included a special section for tasks, allowing attendees to apply the concepts learned in real-time scenarios, enhancing their understanding and practical skills.

Vivek's presentation style, filled with humour and relatable memes, kept the audience engaged throughout the event. His ability to simplify complex concepts and make them accessible to all attendees was commendable. Additionally, Vivek provided valuable advice on how to protect oneself from cyber threats, empowering participants with practical knowledge to stay safe in the digital world.

### **Community Platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-hacking-101-ethical-exploration-in-cybersecurity/>

## EVENT GLIMPSE:



Event attendees



Event Speaker



Glimpse of the Session



Felicitation of the Speaker



Invitation flyer of the event

# ATTENDANCE SHEET:

There were a total of 67 participants and the session was in offline mode.

 Pg No. 1

## Event Attendance Sheet

Name of the event: Hacking 101 Remarks:

Date: 11/01/2024 Day: Thursday

Venue: Room 501 Time: 12:00:00 - 1:30 P.M  
Building - 319

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
1	Krish Ganesiya	B.Tech CE	BX	6 <sup>th</sup>	210002011	[Signature]
2	Hardi Bhanvadiya	B.Tech CE	BX	6 <sup>th</sup>	210002012	[Signature]
3	Kinal Javiya	B.Tech CE	BX	6 <sup>th</sup>	210002013	[Signature]
4	Shivangi Raval	BCA	B2	4 <sup>th</sup>	220002014	[Signature]
5	Mahy Parikh	BCA	B2	4 <sup>th</sup>	220002015	[Signature]
6	Payal Patel	BCA	B2	4 <sup>th</sup>	220002016	[Signature]
7	Jarvi Zinzawadiya	BCA	B2	4 <sup>th</sup>	220002017	[Signature]
8	Nandani Shishwadiya	B.Sc IT	E1	4 <sup>th</sup>	220002018	[Signature]
9	Meera Rakhadiya	B.Sc IT	E1	4 <sup>th</sup>	220002019	[Signature]
10	Aarshi Gola	BCA	B2	4 <sup>th</sup>	220002020	[Signature]
11	Rutvi Dhanwalia	BCA	B2	4 <sup>th</sup>	220002021	[Signature]
12	Palak Yagnik	BCA	B2	4 <sup>th</sup>	220002022	[Signature]
13	Arvi Ranpara	BCA	B2	4 <sup>th</sup>	220002023	[Signature]
14	Dhruvi Shah	BCA	B2	4 <sup>th</sup>	220002024	[Signature]
15	Bansi Vitadiya	B.Sc IT	E1	4 <sup>th</sup>	220002025	[Signature]
16	Riyanki Vasava	"	"	"	220002026	[Signature]
17	Darshita Vasava	"	"	"	220002027	[Signature]
18	Dhruvi Prabani	"	"	"	220002028	[Signature]
19	Vidhi Sani	B.Sc IT	E1	4 <sup>th</sup>	220002029	[Signature]
20	Rishita Rajpara	B.Sc IT	E1	4 <sup>th</sup>	220002030	[Signature]
21	Hafiy Savaliya	B.C.A	B2	4 <sup>th</sup>	220002031	[Signature]
22	Mahar Jank	B.C.A	B2	4 <sup>th</sup>	220002032	[Signature]
23	RMa Khutsikani	BCA	B2	4 <sup>th</sup>	220002033	[Signature]
24	Mehta Pandya	BCA	B2	4 <sup>th</sup>	220002034	[Signature]
25	Jadav Archana	B.Sc IT	E1	4 <sup>th</sup>	220002035	[Signature]

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
26	Moonaliya Nisami	B.Tech C.E	BX	6	210002070	
27	Dhruvi Patel	"	"	4	220002020	
28	Darshan Vibha	"	"	4	220002010	
29	Delnaja Sakshi	"	"	4	220002017	
30	Ashura Janvi	MCA	A	2	230223004	
31	Heet Jadhavi	B-Tech	BX	4	210002019	
32	Momav Akhrotari	"	"	11	220002017	
33	Poojke Shetida	"	"	11	220002015	
34	Chothani Maulik	BSc IT	E2	4	220802017	
35	Chauhan Hemansinh	"	"	"	220802016	
36	Dadhuniya Malay	"	"	11	220802018	
37	Chadotaba Jaydya	"	"	11	220802014	
38	Ajiya Nisim	B.Tech	BX	4	220002003	
39	Kananiya Smit	B.Tech	"	"	220002037	
40	Hepin Khund	"	"	"	220002042	
41	Birath Karadiya	MCA	B	2	230823002	
42	Grobel Yash	B.Tech	BX	6	210002031	
43	Dabhi Rohel	B.Tech	BX	6	210002020	
44	Nathwani Jash	B.Tech (CE)	BY	6	210002047	
45	Ayush Dhalakiya	B.CA	B3	4	220802002	
46	Rohan Naik	B.Tech C.E	BX	2	230002006	
47	chudasama vishvasinh s	B.Tech C.E	BX	2	230002008	
48	Tirth Jare	B.Tech CE	BY	4	220002014	
49	Binjesh Shekheta	B.Tech	BY	4	220002011	
50	Delvadiva Poojan	BCA	B3	4	220801017	
51	Manvish Kish	BCA	B4	4	220801003	
52	Lakshmitiya Hemang	BCA	B4	4	220801009	
53	Suman Smit	B.Tech C.E	BY	4	220002014	



## **CONCLUSION:**

With 71 participants in attendance, the event proved to be a valuable learning experience, equipping attendees with the knowledge and tools needed to navigate the world of cybersecurity. Vivek Chandrasala's expertise and engaging presentation style made the event a success, providing valuable insights into the field of ethical hacking.



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# Event Report

for

**“Intro to Google Solution Challenge”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 18<sup>th</sup> December, 2023**

**Time: 12:00 PM to 01:30 PM**

**Venue: Main Building, Seminar Hall, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 32**

## **EVENT OVERVIEW:**

The Google Solution Challenge 2024 introduction event set the stage for an exciting hackathon journey focused on advancing the Sustainable Development Goals (SDGs) through innovative solutions. That is organized by Google itself. Attendees received comprehensive guidance on the application process, project criteria, and the significance of aligning their ideas with global sustainability objectives. The top 3 will not only get stipends but as well as mentorship from experts from Google. With a spotlight on fostering collaboration, the introduction of a Reddit-style platform aimed at connecting members of Google Developer Student Clubs (GDSC) proved instrumental in facilitating team formation and knowledge sharing among participants. The event balanced informative sessions with engaging activities, ensuring an energetic atmosphere that encouraged active participation and left a lasting impression on everyone involved.

Throughout the event, speakers, including key organizers, delivered a mix of practical insights and engaging content, maintaining a lively ambiance that diverged from traditional classroom settings. By infusing elements of excitement and camaraderie, the event fostered a sense of belonging and teamwork among attendees, making it a memorable and enriching experience as they embarked on their journey towards the Google Solution Challenge 2024.

## **EVENT HIGHLIGHTS:**

### **Excitement for Learning:**

Since it was the first event of the new semester, everyone was really excited to learn new things. Happening just five days into the semester, it helped to keep the GDSC community active and connected right from the start.

### **Engaging Presentation:**

Even though the event was expected to be kind of boring, the speakers made it really interesting and fun. They kept things lively and funny, so everyone stayed interested and involved the whole time.

### **Website Launch:**

When they introduced the Reddit-style website, it was a big hit. Within less than an hour after the event, the website got over 100 hits, and everyone hurried to create an account. It quickly became a hotspot for collaboration and networking among participants.

### **Audience Engagement:**

People in the crowd asked some really good questions, especially about how to pick a problem for a hackathon. The speakers did a great job of answering these questions in a practical way, giving tips on finding real-life problems and coming up with solutions. Their answers sparked some awesome discussions and got everyone thinking creatively.

### **Community platform link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-intro-to-google-solution-challenge-2024/>

# EVENT GLIMPSE:



# ATTENDANCE SHEET:

The event saw a strong turnout, with a significant number of students remaining present throughout, actively engaged in the lively and interactive atmosphere created by the speakers.

Pg No.: 01

### Event Attendance Sheet

Name of the event: Entry to Solution Challenge Remarks:

Date: 18/12/23 Day: Monday

Venue: Seminars Hall Time: 12:00 to 13:30

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
1	Jovya Kinal D.	CE	BX2	6 <sup>th</sup>	210002046	[Signature]
2	Shanani Kushi K	C.E.	BX1	6 <sup>th</sup>	210002011	[Signature]
3	Fatcha Rizki J	C.E.	BX2	6 <sup>th</sup>	210002036	[Signature]
4	Dhanya Pambuan L.	CE	BX3	6 <sup>th</sup>	230002003	[Signature]
5	Alfa Batapueza	CE	BX2	2 <sup>nd</sup>	230002013	[Signature]
6	Nesti Patel D	CE	BX2	1 <sup>st</sup>	210002026	[Signature]
7	Shwangi Rawar	BCA	B2	4 <sup>th</sup>	220501277	[Signature]
8	Muti, Jemil	BCA	B2	4 <sup>th</sup>	220501171	[Signature]
9	Joshi Rajdeep H	BCA	B1	1 <sup>st</sup>	220501143	[Signature]
10	Prinyuda Nayil A	BCA	B4	1 <sup>st</sup>	220501144	[Signature]
11	Lekhanita Lemang S.	BCA	B4	1 <sup>st</sup>	220501149	[Signature]
12	Manvaz Mehta J	BCA	B4	4 <sup>th</sup>	220501104	[Signature]
13	Kavaria Kush L.	BCA	B4	1 <sup>st</sup>	220501154	[Signature]
14	Het Hingrajyari	BCA	B1	1 <sup>st</sup>	220501133	[Signature]
15	Amanutya Het	BSc IT	F2	4 <sup>th</sup>	220501204	[Signature]
16	Jay Ladhari	BSc IT	F2	4 <sup>th</sup>	170802067	[Signature]
17	Karanish Chohan	B.Sc.IT	F2	1 <sup>st</sup>	220501216	[Signature]
18	Maulik Chatham	B.Sc.IT	F2	1 <sup>st</sup>	220502014	[Signature]
19	Mulay Dadhaniya	BSc.IT	F2	1 <sup>st</sup>	220502018	[Signature]
20	Dalvadiya Prajan	BCA	B33	1 <sup>st</sup>	220501072	[Signature]
21	Katecha Jenil	BCA	B4	4 <sup>th</sup>	220501183	[Signature]
22	Paavan Bhavesh M	B.Tech CE	By 2	2 <sup>nd</sup>	230002061	[Signature]
23	Vinodiya Kisan	B.Tech CE	By 2	2 <sup>nd</sup>	230002084	[Signature]
24	Abhinav Abhirak	B.Tech CE	By 2	2 <sup>nd</sup>	230002080	[Signature]
25	Anand Teambadiya	B.Tech CE	By 2	2 <sup>nd</sup>	230002081	[Signature]



## **CONCLUSION:**

As the event drew to a close, it was clear that it had been a hit. With laughter echoing and minds buzzing with ideas, attendees left feeling inspired and energized. The blend of informative talks and fun-filled moments made it more than just your average gathering; it was a vibrant exchange of knowledge and camaraderie.

With the launch of the new website, the excitement didn't end there. The promise of future collaborations and shared experiences lingered in the air, setting the stage for an exciting journey ahead. As participants dispersed, they carried with them not only new insights but also a sense of belonging to a community united by a common passion for innovation and making a positive impact on the world.



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# Event Report

for

**“TECH TALES NOVEMBER EDITION”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 30<sup>th</sup> NOVEMBER 2023**

**Time: 9:45 AM**

**Venue: - Google Meet**

**Event Mode: Online**

**No. of Participants: 12**

## **EVENT OVERVIEW:**

On November 30<sup>th</sup>, 2023, the virtual space witnessed the launch of Tech Tales, a monthly magazine published by Google Developer Student Clubs, Research, innovation & Translation at Atmiya University. The event marked a significant milestone in the realm of technology & innovation, bringing together enthusiasts, experts, and scholars from across the university.

## **EVENT HIGHLIGHTS:**

### **1. Unveiling of Tech Tales:**

The event commenced with the grand unveiling of Tech Tales, a platform designed to showcase the latest trends, innovations, and stories shaping the world of technology. Attendees were treated to a sneak peek into the inaugural issue, featuring insightful articles curated by a team of dedicated contributors.

### **2. Welcome Address:**

A warm welcome was extended to all participants by the organizing committee, expressing gratitude for their presence and support. The speakers emphasized the magazine's mission to foster collaboration, knowledge sharing, and intellectual discourse within the tech community.

### **3. Keynotes of Magazine:**

The first part of Magazine contained the detailed introduction to the team behind GDSC at Atmiya university which was written and concluded by GDSC Lead – Birva Dave, and also the team members. Which was followed by the section of AI/ML lead, Brijraj Kacha, which was an overview of an event previously conducted by GDSC and was hosted by an AI, operated by voice commands. The following section was by Web Development lead of GDSC, Nafisa Musani, which was an informative section based on DSA (Data Structures & Algorithms). The Fourth Section was by another Web Development lead, Vivek Bopaliya, which was again glimpse of the past events organized by GDSC at Atmiya university. The following Section was by Data Analyst Lead, Rajveersinh Zala, which was again an interesting informative part of magazine giving the information about the role and job of Data Analyst. This was followed by a section written by App dev. Leads, Yash Parmar & Rakesh Chandrapal, which provided an insight on their SSIP hackathon journey. This was followed by a section about the previous events at GDSC.

### **Community Platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-monthly-magazine-launch/>

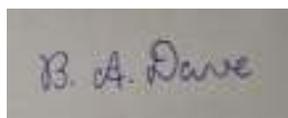
# EVENT GLIMPSE:



## ATTENDANCE SHEET:

There were 12 attendees in the event and was conducted online.

First Name	Last Name	Checkin Date (UTC)
Aashutosh	Bera	2023-11-30 04:22:16+00:00
Akshit	Wadher	2023-11-30 04:35:26+00:00
Birva	Dave	2023-11-30 04:20:49+00:00
Brijraj	Kacha	2023-11-30 04:20:51+00:00
Dipak	Khevlani	2023-11-30 04:33:08+00:00
Divyansh	Chavda	2023-11-30 04:57:46+00:00
Divyesh	Thakar	2023-11-30 04:16:04+00:00
Nafisa	Musani	2023-11-30 04:20:57+00:00
Rajveersinh	Zala	2023-11-30 04:21:04+00:00
Rakesh	Chandrapal	2023-11-30 04:21:06+00:00
Vivek	Bopaliya	2023-11-30 04:21:00+00:00
Yash	Parmar	2023-11-30 04:21:02+00:00



Birva Dave,

GDSC Lead

(Digitally Signed)

## **CONCLUSION:**

In summary, the launch of Tech Tales on November 30th, 2023, by the Google Developer Student Clubs, Research, Innovation & Translation at Atmiya University, marked a momentous occasion in the tech community. The event showcased the inaugural issue of the magazine, featuring insightful articles curated by a dedicated team. Attendees were treated to keynotes that highlighted various sections of the magazine, emphasizing collaboration and knowledge sharing.



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# Event Report

for

**“Inter College Hackathon”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 29<sup>th</sup> September, 2023**

**Time: 08:00 AM – 08:00 PM**

**Venue: Main Building, Pharmacy Hall, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 250**

## **EVENT OVERVIEW:**

Inter College Hackathon, held in a spacious hall, provided a platform for over 150 participants to showcase their technical skills, foster innovation, and collaborate within the GDSC community.

The hackathon featured an opening ceremony graced by dignitaries, and enthusiastic participation from local and outside participants. Amidst technical challenges addressed promptly, participants engaged in judging rounds evaluated by industry professionals.

Breaks for refreshments, a fun activity, and networking opportunities were incorporated. The event culminated with the announcement of winners in three categories, recognized for their projects utilizing cutting-edge technologies like Unreal Engine, Flutter, AWS, and React.

Participants received certificates, while a robot added a futuristic touch to certificate handling. Dignitaries delivered motivational speeches, underscoring the importance of participation, collaboration, and innovation in the tech landscape.

## EVENT HIGHLIGHTS:

### Venue

The hackathon was held in the spacious hall behind the Pharmacy library. 40-45 tables accommodated participating teams. The hall featured logos of cutting-edge technologies, creating an inspiring backdrop.

### Schedule

- 1. Registration & Welcome (7:15 AM):** Efficient registration with personalized ID cards. A warm welcome with tea, coffee, and breakfast fostered camaraderie.
- 2. Opening Ceremony (8:15 AM):** Commenced with a prayer. Dignitaries like Vice Chancellor Dr. Tripathi, Registrar Dr. Vyas, Dean Dr. Shukla, and Director Dr. Kothari graced the occasion. Brijraj Kacha emphasized collaborative tech efforts.
- 3. Enthusiastic Participation:** Participants ranged from locals to a surprise attendee from VIT Chennai, highlighting broad interest.
- 4. Break (10:00 AM):** A break allowed participants to recharge energy levels.
- 5. Technical Challenges:** Over 150 participants encountered internet connectivity issues. The technical team led by Pratik Sir promptly addressed these, ensuring a smooth experience.
- 6. Judge Rounds (12:00 PM & 4:00 PM):** A comprehensive judging process featured professionals like Pradhyumansinh Jadeja, Bhavesh Javani, and Dr. Sheetal Tank. Two rounds ensured holistic project assessment.
- 7. Lunch Break (1:00 PM):** A well-deserved break for refuelling and informal networking.
- 8. Fun Activity (2:30 PM):** A real-time poll injected fun and engagement.
- 9. Winner Announcement (6:00 PM):** Winners announced with a robot for certificate handling despite a minor runtime issue quickly resolved.

### Highlights

- 1. Robot for Certificate Handling:** A futuristic robot for certificate handling, symbolizing innovation. The team's ability to resolve the runtime issue added creativity.
- 2. Dignitaries & Motivational Speeches:** Dignitaries delivered impactful speeches emphasizing participation, collaboration, and innovation in technology, inspiring participants.

## Winners

- 1. Third Place (Team of 7):** Crafted a virtual library using Unreal Engine and Blender, demonstrating technical and creative skills.
- 2. Second Place (Team of 7):** Developed an event management app with Flutter and Firebase, showcasing app development excellence.
- 3. First Place (Team of 8):** Employed AWS and React for their winning project, showcasing cutting-edge tech proficiency.

All participants received participation certificates acknowledging their commitment.

## Community Platform Link:

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-inter-college-hackathon/>

## EVENT GLIMPSE:



Venue



Participants



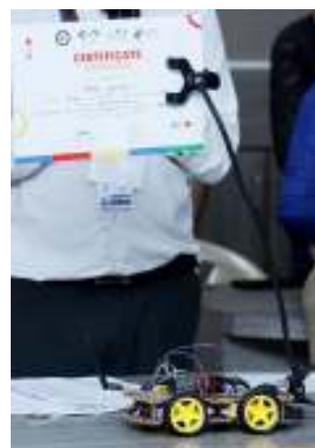
Judge Evaluation round



A group photo of organizers, judges, mentors and volunteers

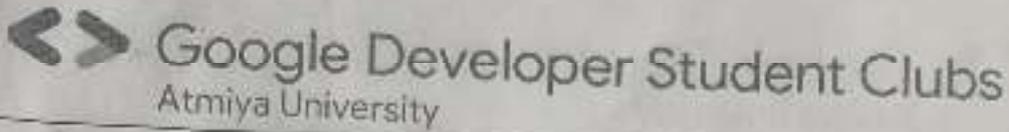


Event Poster



Felicitating the winner through the robot

# ATTENDANCE SHEET:



Atmiya University Hackathon 2023

Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
TM01	Hetasvi Harsoda	1		
TM02	Viraj Vadodariya	1	Viraj	Viraj
TM03	Drashli Chavda	1		
TM04	Rushita Dodiya	1		
TM05	Ratna Jayendra	1		
TM06	Dwit Gasa	1		
TM10	Daksh Sanghani	1	Daksh	Daksh
TM11	Rohan Trivedi	1	Rohan	Rohan
TM12	Meet Pals	1	Meet	Meet
TM13	Nirramay Thaker	1	Nirramay	Nirramay
TM14	Tisha Radia Janvi Matavar	2	Tisha Janvi	Tisha Janvi
TM15	Meet Korat Hanshil Khunt	2	Meet Hanshil	Meet Hanshil
TM16	Fenil Galani Arjun Der	2	Fenil Arjun	Fenil Arjun
TM17	Tushli Shiyali	1		
TM18	Kinal Javliya Krish Gorasiya	2	Kinal Krish	Kinal Krish
TM19	Dikshita Kothari	1	Dikshita	Dikshita
TM21	Smit Modi Karan Thakar	3	Smit Karan	Smit Karan



# Google Developer Student Clubs

Atmiya University

## Atmiya University Hackathon 2023

### Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
	Vivek Umraliya			
TM22	Harsh Mehta Deep Pandya Dev Manseta	3		
TM23	Monisha Samanta Foram Padariya Krupa Vadaker	3		
TM25	Drahti Ranpariya Dhwani Hirani Parth Bavaliya	3		
TM26	Sakshi Detroja Hiral Sachdev Aashka Shaheerawala	3		
TM27	Bhauvik Ranpara Pavitra Patel Utkav Parekh	3		
TM28	Krishnadeep Jadeja Rehan Kandia Pratham Kanaiya	3		
TM30	Meet Mend Manthan Tanna Bansi Jadav Shihora Hita	4		
TM31	Nidhi Helaiya Khushi Bhatt Devanki Kandoliya Julie Kesariya	4		



# Google Developer Student Clubs

Atmiya University

Atmiya University Hackathon 2023

Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2	
TM32	Dinesh Talwadker	4	Dinesh	Dinesh	Dinesh Kashu Ankur Swayam
	Krishna Dharsanda		Kashu	Kashu	
	Ankur Gangani		Ankur	Ankur	
	Swayam Dave		Swayam	Swayam	
TM33	Prince Ghelija	4	Prince	Prince	Prince Heet Dhwani Liba
	Heet Dudani		Heet	Heet	
	Dhwani Nilesh		Dhwani	Dhwani	
	Liba Sirsabhaji Jethani		Liba	Liba	
TM34	Keyur Maniar	4	Keyur	Keyur	Keyur Pri Yash Meyur
	Pri Gol		Pri	Pri	
	Yash Makwana		Yash	Yash	
	Meyur Makwana		Meyur	Meyur	
TM35	Hemang Lakhadiya	5	Hemang	Hemang	Hemang Heet Joni Krish Kush
	Heet Hingajiya		Heet	Heet	
	Joni Kotecha		Joni	Joni	
	Krish Manwar		Krish	Krish	
	Kush Kanera		Kush	Kush	
TM36	Krunal Dhanwani	5	Krunal	Krunal	Krunal Menul Rushika Rahul Richita
	Menul Makwana		Menul	Menul	
	Rushika Dodiya		Rushika	Rushika	
	Rahul Bagde		Rahul	Rahul	
	Richita Parmar		Richita	Richita	
TM37	Harshal Katakya	5	Harshal	Harshal	Harshal Jay Happy Miraj Karik
	Jay Parmar		Jay	Jay	
	Happy Pachan		Happy	Happy	
	Miraj Sankaracha		Miraj	Miraj	
	Karik Gohil		Karik	Karik	
TM38	Dev Kotecha	2	Dev	Dev	Dev Ritu
	Ritu Barochiya		Ritu	Ritu	



# Google Developer Student Clubs

Atmiya University

## Atmiya University Hackathon 2023

### Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
	Shubham Kushwaha			
	Shyam Kanariya			
	Nikhil Nimaval			
TM39	Harshdeep Danidhanya	5		
	Khushi shukla			
	Parth Goleni			
	Aman Lakha			
	kishan shingarakhiya			
TM40	prityank rajyani	5	P.J.	P.J.
	Brijesh varani		B.V.	B.V.
	het vaghesiya		H.V.	H.V.
	vandan Patel		V.P.	V.P.
	khushi parekh		K.P.	K.P.
TM41	Keval Rathod	5	K.J. Rathod	K.J. Rathod
	Prince Thakrar			
	Vaibhav Suchak			
	Dhaval Suchak			
	Janil Vachhani			
TM42	Hindocha Kartavya	5	K.Hindocha	K.Hindocha
	Jaiveersinh Gohil		Jaiveer	Jaiveer
	Hadiyel Anuj		H.A.P.	H.A.P.
	Harshil Joshi		H.J.	H.J.
	Aditi Gadhya			
TM43	Karan Chaudhary	5		
	Tirth Jani			
	Jay Pedhadiya			
	Bhavy Ukani			
	Gautam Krishna			
	Vivek Chandrasala			



# Google Developer Student Clubs

Atmiya University

Atmiya University Hackathon 2023

Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
TM44	Vishal Jaswal	6	<i>[Signature]</i>	<i>[Signature]</i>
	Ravi Gehlot		<i>[Signature]</i>	<i>[Signature]</i>
	Anand Trimbadiya		<i>[Signature]</i>	<i>[Signature]</i>
	Heer Chokshi		<i>[Signature]</i>	<i>[Signature]</i>
	Bonisha Dave		<i>[Signature]</i>	<i>[Signature]</i>
	Mahesh Vora		<i>[Signature]</i>	<i>[Signature]</i>
TM45	Ankit Kamani	6	<i>[Signature]</i>	<i>[Signature]</i>
	Harsh Kamdiya		<i>[Signature]</i>	<i>[Signature]</i>
	Tasmin Hirachara		<i>[Signature]</i>	<i>[Signature]</i>
	Jani Rathbaya		<i>[Signature]</i>	<i>[Signature]</i>
	Meet Parkhiya		<i>[Signature]</i>	<i>[Signature]</i>
	Priyanka Dobanya		<i>[Signature]</i>	<i>[Signature]</i>
TM46	Jaykantsinh Jadeja	6	<i>[Signature]</i>	<i>[Signature]</i>
	Sanket Vachhani		<i>[Signature]</i>	<i>[Signature]</i>
	Deep Bhattiya		<i>[Signature]</i>	<i>[Signature]</i>
	Harsh Ambasara		<i>[Signature]</i>	<i>[Signature]</i>
	Riya Desaniya		<i>[Signature]</i>	<i>[Signature]</i>
	Mirak Gohel		<i>[Signature]</i>	<i>[Signature]</i>
TM48	Hatim Ghyavadwala	6	<i>[Signature]</i>	<i>[Signature]</i>
	Fazil Parasara		<i>[Signature]</i>	<i>[Signature]</i>
	Dev Doshi		<i>[Signature]</i>	<i>[Signature]</i>
	Taher Hathi		<i>[Signature]</i>	<i>[Signature]</i>
	Dipak Kneviani		<i>[Signature]</i>	<i>[Signature]</i>
	Abhishek Ramani		<i>[Signature]</i>	<i>[Signature]</i>
TM49	Daksh Trivedi	7	<i>[Signature]</i>	<i>[Signature]</i>
	Abhishek Chhathar		<i>[Signature]</i>	<i>[Signature]</i>
	Vansh Kapadiya		<i>[Signature]</i>	<i>[Signature]</i>
	Abhi Sanapara		<i>[Signature]</i>	<i>[Signature]</i>
	Vansh Dobariya		<i>[Signature]</i>	<i>[Signature]</i>
	Parth Gondaliya		<i>[Signature]</i>	<i>[Signature]</i>
<del>Kaushik Singh</del>				

*[Handwritten notes and signatures on the right side of the page, including names like Vishal, Anant, and others.]*



# Google Developer Student Clubs

Atmiya University

## Atmiya University Hackathon 2023

### Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
TM50	Nimit Sorathiya	7		
	Kalp Mehta			
	Khilan Vachhani			
	Devang Patel			
	Meet Vanpariya			
	Kishan Viradiya			
	Harikrishna Vora			
TM51	Aashruti Patolia	7	Aashruti	Aashruti
	Moxada Vyas		Moxada	Moxada
	Tasneem Hirwala		Tasneem	Tasneem
	Ayushi Gajera		Ayushi	Ayushi
	Drashti Radadiya		Drashti	Drashti
	Diyanshi Jadeja		Diyanshi	Diyanshi
	Sakshi Parekh		Sakshi	Sakshi
TM52	Miraj Kotadiya	7	Miraj	Miraj
	Sahaj Makadiya		Sahaj	Sahaj
	Harsh Kalariya		Harsh	Harsh
	Aryan Virani		Aryan	Aryan
	Rakshit Dobariya		Rakshit	Rakshit
	Priyansh Baldha		Priyansh	Priyansh
	Ronak Kalana		Ronak	Ronak
TM53	Bhakti Hirpara	7	Bhakti	Bhakti
	Dhara ramavat		Dhara	Dhara
	Aastha Gondaliya		Aastha	Aastha
	Jinal Maniyar		Jinal	Jinal
	Shivani Rabara		Shivani	Shivani
	Khushi Gausvami		Khushi	Khushi
	Arpita Chavda		Arpita	Arpita
TM54	Nevi Kyada	8	Nevi	Nevi
	Janvi Zinzuvadiya		Janvi	Janvi

Handwritten notes and signatures on the right side of the table, including names like Bhakti, Dhara, Aastha, Jinal, Shivani, Khushi, Arpita, Nevi, and Janvi, along with some illegible scribbles.



# Google Developer Student Clubs

Atmiya University

Atmiya University Hackathon 2023

Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
	Shwani Raval		shwani	shwani
	Maitry Parikh		maitry	maitry
	Rajdeep Joshi		Rajdeep	Rajdeep
	Parv Mer		Parv	Parv
	Payal Parekh		Payal	Payal
	Rubi Dadranta		Rubi	Rubi
TM55	Riyanshi Vasoya	8	Riyanshi	Riyanshi
	Dansi Viradiya		Dansi	Dansi
	Sujal Sodha		Sujal	Sujal
	Yash Vasadiya		Yash	Yash
	Divyesh Thakar		Divyesh	Divyesh
	Milanshi Sheladiya		Milanshi	Milanshi
	Drashti Vasani		Drashti	Drashti
	Hansi Bhakdiya		Hansi	Hansi
TM56	Deep Vanpariya	8	Deep	Deep
	Meet Virani		Meet	Meet
	Karan Utari		Karan	Karan
	Ayush Pensudya		Ayush	Ayush
	Riva Kaneagra		Riva	Riva
	Shruti Pabari		Shruti	Shruti
	Saxi Kaneriya		Saxi	Saxi
	Bansi Shakhai		Bansi	Bansi
TM57	Hari Rawa	8	Hari	Hari
	Rahul Rasodiya		Rahul	Rahul
	Kashyap Raval		Kashyap	Kashyap
	Manni Patel		Manni	Manni
	Meet Patel		Meet	Meet
	Panki Sanghani		Panki	Panki
	Dushyant Sanghani		Dushyant	Dushyant
	Hepin Parmar		Hepin	Hepin
TM58	Darsh Tank	8	Darsh	Darsh

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# Google Developer Student Clubs

Atmiya University

## Atmiya University Hackathon 2023

### Attendance Sheet

Date: 29-09-2023

Team ID	Group members	Total group	Session 1	Session 2
	Tejsevi Shakhai			
	Sonal Sankhal			
	Hitarth Vaghela			
	Nishang Tank			
	Tej Vachhani			
	Chaitanya Vrani			
	Mashuk Ali Sheikh			
TM59	Mustafa Bhanani	8	all	all
	Fera Manavadaraya	8	all	all
	Dixita Basa	8	all	all
	Dhruvi Fadadu	8	all	all
	Dhruvi Paradia	8	all	all
	Nirmi Maradiya	8	all	all
	Murtaza Tirwala	8	all	all
	Neel Kalaria	8	all	all
TM60	Eka Bhuva	8		
	Foram Desai			
	Dev Rupani			
	Happy Kansagara			
	Nishankhan Belim			
	Richa Desai			
	Rajani Kasundra			
	Dhruv Rajdev			
TM61	Dimple Mithya	8	all	all
	Abhay Vachhani		all	all
	Kajal Bagada		all	all
	Rajani Kasundra		all	all
	Happy Kansagara		all	all
	Richa Desai		all	all
	Manoj Vaia		all	all
	Nishankhan Belim		all	all

TM45

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## **CONCLUSION:**

The GDSC Atmiya 12-Hour Internal Hackathon reached its high point with the announcement of winners. Amidst excitement and applause, the top three teams were awarded cash prizes for their remarkable projects.

Dignitaries then delivered valedictory speeches. They expressed gratitude to organizers, participants, and sponsors who made the hackathon a success. The dignitaries offered encouragement, urging participants to continue pursuing technology and innovation.

Importantly, the speeches highlighted the significance of active participation in such events, emphasizing their role in fostering collaboration, skill development, and problem-solving within the tech community. Their insights reminded participants of the potential that lies in dedication, teamwork, and cutting-edge technologies.

As the event concluded at 08:00 PM, a sense of accomplishment and camaraderie filled the air. Participants exchanged ideas, shared experiences, and made connections that would shape their future endeavours. The hackathon provided a platform for showcasing technical skills and cultivated an environment celebrating innovation and personal growth within the GDSC Atmiya University community.

This successful event marked an important milestone in GDSC Atmiya University's efforts to inspire and empower the next generation of tech enthusiasts and innovators. The energy, passion, and collaborative spirit witnessed set the stage for more such endeavours, paving the way for a future of boundless innovation.



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# Event Report

for

**“ Workshop on Basics of Github”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 21st September, 2023**

**Time: 12:00 to 01:30**

**Venue: Seminar Hall, Main Building, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 93**

## **EVENT OVERVIEW:**

The "Workshop on Basics of GitHub," convened on September 21, 2023, at Atmiya University, served as an instructive platform for around 100+ students. Its core objective was to elucidate the foundational principles of GitHub, fostering an adaptable understanding among attendees in version control and collaborative software development. The meticulously crafted agenda encompassed pivotal aspects such as account initiation, repository administration, utilization of GitHub Pages, and collaborative development methodologies. Through structured sessions and interactive engagement, participants acquired practical skills essential for proficient utilization of GitHub in their academic and professional pursuits, thereby enhancing their capabilities for effective project management and collaborative endeavors.

## **EVENT HIGHLIGHTS:**

### **Agenda and Activities :**

The event commenced with a warm welcome and registration, followed by an introductory session led by Professor John Doe, a seasoned expert in software development and version control systems. Professor Doe provided an overview of the workshop's objectives and highlighted the significance of GitHub in modern software development practices.

### **Speaker :**

Akshit Vadher, an esteemed Student at Atmiya University, served as the primary speaker for the workshop. With his extensive knowledge and expertise, Akshit Vadher effectively guided participants through various aspects of GitHub, ensuring a clear understanding of concepts and practical applications.

### **Sessions and Hands-on Training :**

The workshop comprised several sessions, each focusing on different aspects of GitHub. Participants learned how to create GitHub accounts, set up user profiles, navigate the GitHub interface, and manage repositories effectively. A dedicated session on GitHub Pages introduced attendees to the concept of hosting websites directly from GitHub repositories. Hands-on training sessions allowed participants to apply their newfound knowledge, creating and customizing websites using GitHub Pages.

### **Interactive Quizzes :**

Throughout the workshop, interactive quizzes were conducted to reinforce learning and engage participants actively. Quizzes covered topics such as repository management, collaborative development, and GitHub Pages customization. Participants enthusiastically participated in the quizzes, showcasing their understanding of GitHub concepts.

### **Outcomes and Results :**

The workshop concluded with an interactive Q&A session, during which participants had the opportunity to seek clarification on any doubts or queries. Attendees expressed satisfaction with the workshop content and appreciated the hands-on training provided. The event's success was evident in

the positive feedback received from participants, who expressed their eagerness to apply their newfound skills to real-world projects.

### Result of Winners :

As a token of appreciation for active participation and outstanding performance in the quizzes, prizes were awarded to the top performers. The winners demonstrated exceptional knowledge and proficiency in GitHub fundamentals, showcasing their commitment to learning and development.

**EVENT GLIMPSE:**





Event Flyer

## ATTENDANCE SHEET :

A total of 93 students remained present throughout the event, actively engaging in the sessions, quizzes, and interactive discussions, ensuring a vibrant and enriching learning atmosphere.

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
1	Ayush Goswami	CE	BY	3		<i>[Signature]</i>
2	Vaghela Darshi M	CE	BY1	3	220000003	<i>[Signature]</i>
3	Tirth Jani	CSE	BZ	3	220007000	(T)
4	Dhaval Suchak	DCE	BY2	5	210102115	<i>[Signature]</i>
5	Prince Thakur	DCE	BY2	5	210102100	(P)
6	Vaibhav Suchak	DCE	BY2	5	210102116	<i>[Signature]</i>
7	Rohit Kevad	DCE	BY1	5	210102104	R.K
8	Jamil Vachhani	DCE	BY2	5	210102123	<i>[Signature]</i>
9	Moushik Manojviya	DCE	BY1	5	210102074	<i>[Signature]</i>
10	Jay Jobanputra	DCE	BY2	5	210102059	<i>[Signature]</i>
11	Sheikh Mashuk	DCE	BY-2	5	210102111	<i>[Signature]</i>
12	CHAITANYA VIRANI	DCE	BY-2	5	210102151	<i>[Signature]</i>
13	Mitarth Vaghela	DCE	BY-2	5	210102126	V.H.D
14	Tank Darsh	DCE	BY-2	5	210102117	<i>[Signature]</i>
15	Vachhani Tej	DCE	BY-2	5	210102124	<i>[Signature]</i>
16	Tejasvi Patel	DCE	BY-2	5	210102112	<i>[Signature]</i>
17	Sonal Sankhat	DCE	BY-2	5	210102109	<i>[Signature]</i>
18	Biddhi Khokhaniya	C.E.	BX-2	3	220009040	<i>[Signature]</i>
19	Tanvi Khokhaniya	C.E.	BX-2	3	220009041	<i>[Signature]</i>
20	Mashti Radadiya	C.E.	BX-3	3	220009060	<i>[Signature]</i>
21	Tanvi Kansagra	C.E.	BY	3		<i>[Signature]</i>
22	Dhwani Hirani	C.E.	BY	3		<i>[Signature]</i>
23	Riyanshi Popat	C.E.	BY	3		<i>[Signature]</i>
24	Shreuti Aghera	C.E.	BY	3		(S)
25	Prarthna Somathiya	C.E.	BY	3		<i>[Signature]</i>
26	Vachhani Abhay M	MIA	A	3	220673051	<i>[Signature]</i>
27	VAJA ANKIT	MCA	A	3	220623056	A.R.V.
28	Chhatroditya Divyesh	MCA	A	3	220823058	<i>[Signature]</i>
29	Jelmehiya Kishan	MCA	A	3	220823021	<i>[Signature]</i>
30	Nishant	MCA	A	3	220823003	<i>[Signature]</i>

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
1	Khertoni Dipak Shrivasthavi	B.Sc. I.T.	F2	5	210802061	D.
2	Ravi R. Grehlot	B.Tech CSE	BX-1	1		Ravi
3	Anand P. Trambadiya	B.Tech CSE	BX-1	1		A
4	Vishal Kumar Jaiswal	B.Tech CSE	BX-1	1	15120523008	Vishal
5	HARSH Pagada	B.Tech IT	A	5	221004008	H.A.P
6	Direesh Vasija	B.Tech IT	A	5	210005086	D
7	Kalpana Kathur	B.Tech IT	A	5	210005033	Ka
8	Patth Kakdiya	M.C.A	B	1	1561822300	Patth
9	Manish Bannad	B.Sc.	F2	3	15612122	Manish
10	Meru Parv	BCA	B4	3	156124220	Parv
11	Nivada Nevil	BCA	B4	3	156124220	Nevil
12	Joshi Rajdeep	BCA	B4	3	156124222	Joshi
13	Grosai Dawit	BCA	B4	3	156124222	Dawit
14	LalKhadiya Hemang	BCA	B4	3	156124223	Hemang
15	Rana Kush Patel	B.C.A	B4	3	156124224	Kush
16	Het Hingrajiya	B.C.A	B4	3	156124224	Het
17	Knish munvan	B.C.A	B4	3	220801203	Knish
18	Pee P Pandya	B.C.A	C4	5	210801230	Pee P
19	Dew Maneta	B.C.A	C2	5	210801199	Dew
20	Aman Sachla	BCA	C5	5	210801290	Aman
21	Rathod Jay	BCA	C4	5	210801277	Jay
22	meat Patel	BCA	B5	3	220801238	meat
23	Mann Patel	BCA	B5	3	220801237	Mann
24	Hari Raval	BCA	B5	3	220801280	Hari
25	Direeshi thakkar	BCA	B6	3	220801360	Direeshi
26	Prince Ghatiya	B.Tech CE	BX	3	220002025	Prince
27	Ayush Savaliya	B.Tech CE	BX	3	220002008	Ayush
28	Manav Akbari	B.Tech CE	BX	3	220002007	Manav
29	Pala Meet	B.tech CE	BX3	3	220002049	Meet
30	Bhimani vishu	B.Tech CE	BX-1	3	220002013	Vishu

29	Dhvani Dumaniya	B.tech	BX	8 <sup>th</sup>	220002020	
30	Liza Jethani	B.tech	BX	3 <sup>rd</sup>	220002034	
31	Himal Sachdev	B.tech	BX	3 <sup>rd</sup>	220002064	H
32	Aashra Shabekawala	B.tech	BY	3 <sup>rd</sup>	220002068	Asy
33	Pooja Panman	MCA	A	3 <sup>rd</sup>	220823039	P.S.Pan

Sr. No.	Name	Department	Div.	Sem	Enrolment No.	Sign
1	Krish gorasiya	CE	BX	5 <sup>th</sup>	210002040	
2	Kingal janiya	CE	BX	5 <sup>th</sup>	210002040	
3	Khushi Bhalani	CE	BX	5 <sup>th</sup>	210002011	K.S.Bhalani
4	Poojitra Dhakiyai	CE	BX	5 <sup>th</sup>	222002003	P.K.
5	Foream padariya	CE	BY	5 <sup>th</sup>	210002080	F
6	Murpa Vadukar	CE	BY	5 <sup>th</sup>	210002126	K.M.P.
7	Yashvi Patel	MCA	A	1 <sup>st</sup>		Yashvi
8	Bansi Siddhapurca	MCA	A	1 <sup>st</sup>		Bansu
9	Sheladiya mitalshi	BXIT	F1	3 <sup>rd</sup>	220801320	
10	Rivanshi Vasani	"	"	"	220802129	
11	Drashti Vasani	"	"	"	220802128	
12	Bansi Vasani	"	"	"		
13	Tisha Radia	BCA	CI	5	210801260	Tisha
14	Khesni Vitthani	CE	BY	5	210002140	Khesni
15	Vekariya Vidhi	CE	BY	5	210002138	Vidhi
16	Pandya Udita	CE	BY	5	221002006	Udita
17	Sodha Janki	CE	BY	5	211002038	Janki
18	Payal Panekh	BCA	B2	3 <sup>rd</sup>		P
19	Maitry Parik	BGA	B2	3 <sup>rd</sup>	220801193	
20	Ravi Shivangi	BCA	B2	3 <sup>rd</sup>	220801279	Shivangi
21	Gajesa Ayuchi	B.Tech	BX	3 <sup>rd</sup>	220002020	Gajesa
22	ARCHANA JOSHI	B.TECH	BX	3 <sup>rd</sup>	220002007	Archana
23	MOXADA VYAS	B.Tech	BY	3 <sup>rd</sup>	220002057	Moxada
24	Aashruti Patolia	B.Tech	BX	3 <sup>rd</sup>	220002001	Aashruti
25	Sarshi Panekh	B.Tech	BX	3 <sup>rd</sup>	220002050	Sarshi
26	Diyanshi Jadhav	B.Tech	BX	3 <sup>rd</sup>	220002032	Diyanshi
27	Riya Dedemiya	B.Tech	BY	3 <sup>rd</sup>		Riya
28	Drashti Ranpariya	B.Tech	BY	3 <sup>rd</sup>	220007006	Drashti

## **CONCLUSION:**

In conclusion, the "Workshop on Basics of GitHub" held at Atmiya University on September 21, 2023, was a remarkable success, leaving a lasting impact on the participants and fostering a deeper understanding of version control and collaborative software development using GitHub. Through insightful sessions, hands-on training, and interactive quizzes, attendees gained practical skills and knowledge essential for leveraging GitHub effectively in their projects and future endeavors. The event not only provided a comprehensive overview of GitHub's fundamental concepts but also instilled confidence in participants to explore and utilize its features confidently. Overall, the workshop served as a valuable platform for learning, networking, and skill development, reinforcing the importance of continuous learning and adaptation in today's dynamic technological landscape.



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# Event Report

for

**“Google Cloud Study Jams”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 08<sup>th</sup> September, 2023 – 02<sup>nd</sup> October, 2023**

**Time: Entire Month**

**Venue: Atmiya University.**

**Event Mode: Hybrid**

**No. of Participants: 178**

## **EVENT OVERVIEW:**

The Google Cloud Study Jams event at our college was a month-long immersive learning experience designed to provide students with hands-on training and practical exposure to Google Cloud Platform (GCP). Participants were given complimentary GCP credits by Google, enabling them to individually complete tasks and projects on the platform. The event was divided into two distinct parts: the Arcade Game and Intro to Google Cloud. The Arcade Game challenged participants with engaging tasks, including prompts to Vertex AI, Google's machine learning platform, fostering their skills in artificial intelligence and data analysis. A leaderboard added a competitive element, motivating students to excel. Concurrently, the Intro to Google Cloud segment introduced participants to various cloud-related concepts, such as utilizing APIs, configuring servers, and leveraging GCP's extensive suite of services. Through these interactive and practical exercises, students gained valuable insights into cloud computing and its real-world applications, preparing them for future opportunities in this rapidly evolving field.

# EVENT HIGHLIGHTS:

**Duration:** 1 month

## Part 1: Arcade Game

### Week 1:

- Introduction to the Arcade Game
- Setting up Google Cloud accounts and accessing credits
- Exploring Vertex AI and its functionalities

### Week 2:

- Hands-on exercises with Vertex AI
- Building and deploying machine learning models
- Participating in the Arcade Game challenges

### Week 3:

- Advanced topics in Vertex AI (e.g., data preprocessing, model evaluation)
- Continuing Arcade Game challenges
- Leaderboard updates and discussions

## Part 2: Intro to Google Cloud

### Week 1:

- Overview of Google Cloud Platform and its services
- Getting started with Cloud Storage and Cloud SQL
- Deploying a sample application on App Engine

### Week 2:

- Introduction to Cloud Functions and Cloud Run
- Building and deploying serverless applications
- Integrating Google Cloud APIs

### Week 3:

- Exploring Cloud Monitoring and Cloud Logging
- Implementing security and access controls
- Final project: Deploying a fully-featured application on GCP

### Week 4:

- Presentations and demonstrations of student projects
- Feedback and Q&A sessions
- Closing ceremony and distribution of completion certificates

## **Key Takeaways:**

- Hands-on experience with various Google Cloud Platform (GCP) services and tools
- Proficiency in machine learning and artificial intelligence through Vertex AI
- Knowledge and skills in developing and deploying serverless applications
- Understanding of cloud-native application deployment and containerization
- Collaborative learning environment and community building
- Exposure to industry best practices in cloud computing
- Enhanced career readiness and employability in cloud computing and DevOps
- Inspiration for continuous learning and exploration in the field

## **Community Platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-google-cloud-study-jams/>

## EVENT GLIMPSE:



Event Attendess



Event Attendess





## **CONCLUSION:**

The Google Cloud Study Jams event offered a valuable opportunity for the university to cultivate practical Google Cloud Platform (GCP) expertise among its students. This month-long program provided participants with hands-on training in Vertex AI, serverless application development, and core GCP services. By fostering a foundation in cloud computing principles and their applications, the initiative aligns with the university's commitment to equipping graduates with industry-relevant skills and preparing them for success in the dynamic field of cloud technologies.



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# Event Report

for

**“Google Cloud Study Jams Info Session”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 29<sup>th</sup> August 2023**

**Time: 02:30 PM – 03:00 PM**

**Venue: Main Building, Seminar Hall, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 50**

## **EVENT OVERVIEW:**

The Google Study Cloud Jams Info Session served as a platform to educate students about the Google Study Cloud Jams program and the broader importance of cloud technology in the tech industry. The session aimed to motivate students to enrol in the program and provided insights into building a professional online presence through platforms like LinkedIn.

## EVENT HIGHLIGHTS:

### Agenda:

1. **Opening Remarks (15 minutes):** The session began with introductory remarks from Nafisa Musani, setting the context for the event and outlining its objectives.
2. **Google Study Cloud Jams Program Details (30 minutes):** Birva Dave and Yash Parmar, key members of the GDSC Atmiya University team, provided an in-depth overview of the Google Study Cloud Jams program. This segment covered the program structure, enrolment process, and the benefits of participation.
3. **Importance of Professional Social Media Presence (10 minutes):** Mentor Ripal Ma'am delivered an insightful speech highlighting the significance of maintaining a professional online presence, with a particular emphasis on LinkedIn. Her talk underscored the role of social media in building a strong professional brand.
4. **Joining the GDSC Chapter and LinkedIn (10 minutes):** Attendees were encouraged to join the GDSC chapter on <https://gdsc.community.dev/> and follow the GDSC Atmiya University LinkedIn page to stay updated on upcoming events and the latest technology trends.
5. **Interactive Q&A Session (25 minutes):** The session concluded with an interactive Q&A segment, where attendees had the opportunity to ask questions, seek clarifications, and engage with the speakers.

### Key Takeaways:

1. **Understanding the Google Study Cloud Jams Program:** Participants gained a comprehensive understanding of the Google Study Cloud Jams program, its curriculum, and the skills it offers. The importance of hands-on experience in cloud technologies was highlighted.
2. **Building a Strong Professional Online Presence:** Mentor Ripal Ma'am's speech resonated with attendees, emphasizing the significance of LinkedIn and other professional social media platforms for connecting with industry professionals and showcasing one's expertise.
3. **Community Engagement and Networking:** Attendees were encouraged to actively engage with the GDSC community and follow the LinkedIn page to stay informed about future events, technology updates, and networking opportunities.

### Community Platform Link:

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-google-cloud-study-jams-intro-session/>

## EVENT GLIMPSE:



Event Attendees



Mentor Speech



Event Speaker



Event Speaker

## **CONCLUSION:**

The Google Study Cloud Jams Info Session, organized on August 29, 2023, proved to be a resounding triumph, attracting the participation of approximately 50 students. The event successfully achieved its primary objectives, effectively introducing students to the Google Study Cloud Jams program and highlighting the paramount importance of cloud technology in today's landscape. Additionally, attendees gained invaluable insights into the art of cultivating a strong professional online presence.

This event represents a significant milestone in GDSC Atmiya University's continuous endeavours to nurture tech-savvy students and facilitate their growth within the dynamic technology industry. By actively encouraging enrolment in the program and promoting professional networking opportunities, the session has set an optimistic tone for future initiatives and endeavours.



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# Event Report

for

**“Club Inauguration and Launching of first GDSC chapter at Atmiya University”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 24<sup>th</sup> August 2023**

**Time: 12:00 PM to 01:30**

**Venue: Step Auditorium, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 350+**

## **EVENT OVERVIEW:**

The Launch and Inaugural of Google Developer Student Clubs (GDSC) at Atmiya University, held on 23th August 2023, marked a significant milestone for the university's tech community. With over 350+ attendees, including students, faculty, and guests, the event was a resounding success, setting the stage for a vibrant and engaging journey ahead.

## EVENT HIGHLIGHTS:

The event commenced with a warm welcome speech by Dr. Shiv Tripathi, the Vice Chancellor of Atmiya University, who expressed his enthusiasm for the establishment of the first GDSC chapter at the university. The audience was then engaged in a lively quiz, cleverly revealing the name of the club, "Google Developer Student Clubs, Atmiya University."

The club has unveiled its vision and mission as follows:

### **Our mission:**

*"Atmiya University GDSC chapter is looking towards to contributing efforts and time in peer learning, development of students in technical and non-technical aspects through arranging various events and activities with very positive mindset of enlarging community."*

### **Our vision:**

*"आनो भद्र कृतवो यंतु विश्वतः" (Let noble thoughts come to us from all and every direction in the universe)*

*Our vision is centered around cultivating innovative ideas and addressing diverse societal challenges through a multidisciplinary approach. By doing so, we aim to make tangible contributions to both the nature and society.*

One of the highlights of the event was the introduction of a bot named Alex, created by the club's team, which provided an insightful overview of GDSC to the audience, highlighting its objectives and benefits.

The event also featured an expert talk by Dr. Avisek Lahiri, a Google software engineer with a Ph.D. in Generative Deep Learning, who engaged the audience in an interactive question and answer session, sharing valuable insights and experiences from his journey in the tech industry.

An introductory video was showcased, introducing the core team members of the club along with their brief intros and roles, setting the stage for the club's future activities and initiatives.

Additionally, the faculty mentors of GDSC were introduced during the event, including Mr. Janak Maru, Mr. Piyush Kashiyani, Dr. Rupal Kachaliya, Ms. Meera Shah, and Mr. Anand Tank, who will play a crucial role in guiding and supporting the club's activities.

The event concluded with a vote of thanks by Dr. Ripal Ranpara, Faculty Advisor of GDSC, and Dr. Ashish Kothari, Faculty Advisor of GDSC & Director of Research, Innovation, and Translation, expressing gratitude to all attendees and emphasizing the club's commitment to fostering innovation and collaboration among students.

**Community platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-club-inauguration-and-launching-of-first-gdsc-chapter-at-atmiya-university/>

## EVENT GLIMPSE:



Event attendees & faculties



Event attendees and faculties



Image of Alex - The AI Host created by club leaders



Vice Chancellor Dr. Shive Tripathi sir's speech



Club name reveal through the quiz game on website created by club lead members



Motivation to the students from Dr. Avisek Lahiri – Research SWE @Google through Online call



Invitation flyer of the event

## **ATTENDANCE SHEET:**

This was the inaugural event of the Google Developer Student Clubs, where all attendees gathered for the first time. Since nobody had officially registered yet, there was no attendance sheet for this event.

## **CONCLUSION:**

The Launch and Inaugural of Google Developer Student Clubs at Atmiya University was a momentous occasion, setting the stage for a new era of technological innovation and collaboration at the university. With a strong team of core members and dedicated faculty mentors, GDSC is poised to become a hub of creativity and learning for students interested in technology and development.



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# Event Report

for

**“Programmer’s Day Celebration - Git and GitHub Workshop”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 13<sup>th</sup> August 2023**

**Time: 12:00 PM to 01:30 PM**

**Venue: Seminar Hall, Main Building, Atmiya University.**

**Event Mode: Offline**

**No. of Participants: 128**

## **EVENT OVERVIEW:**

This report details a session hosted by the GDSC Club, focusing on the introduction of Git and GitHub for developers. The event commenced with a brief introduction, followed by an in-depth exploration of Git fundamentals and its role in version control. Participants actively participated in a hands-on exercise to solidify their understanding. Additionally, the concept of club activity points was introduced, highlighting their significance in fostering member engagement and contribution.

## EVENT HIGHLIGHTS:

Following the introduction, the session delved into the fundamental concepts of Git and GitHub, unpacking their significance for developers.

- **Demystifying Git:** The session didn't just explain Git; it demystified it. Complex concepts like version control systems were elucidated in clear, accessible terms, ensuring everyone grasped the core functionalities.
- **Essential Git Commands:** Moving beyond theory, the session equipped participants with the essential Git commands needed for effective version control. From initializing repositories to committing changes, pushing, and pulling code, attendees gained the practical skills for seamless collaboration and project management.
- **Hands-on Learning:** Theory is vital, but practice solidifies understanding. The session incorporated a hands-on exercise, where participants actively applied the learned Git and GitHub principles. This practical engagement fostered a deeper understanding of how these tools function in real-world scenarios.
- **Club Activity Points System:** The session introduced a unique concept - club activity points. This system serves a dual purpose:
  - **Motivation:** Points incentivize active participation and contribution within the club. Members are encouraged to engage, knowing their efforts are recognized.
  - **Personalized Contribution:** Points unlock opportunities and responsibilities tailored to individual interests and skill levels. This allows members to contribute in ways that align with their strengths and passions.

### Key Takeaways:

This report highlights five key takeaways from the session:

1. **Importance of Version Control:** The session underscored the critical role that version control plays in software development. By using Git, developers can track changes, revert to previous versions, and collaborate effectively.
2. **Power of GitHub for Collaboration:** GitHub's capabilities as a platform for code hosting, sharing, and collaborative development were highlighted. This platform streamlines teamwork and innovation within development teams.
3. **Mastery of Essential Git Commands:** Participants gained practical experience with foundational Git commands, equipping them for real-world version control tasks.
4. **Value of Hands-on Learning:** The hands-on exercise served as a crucial element in solidifying understanding and reinforcing the theoretical concepts discussed.

5. **Motivation Through Club Activity Points:** The concept of club activity points was introduced as a tool for motivating member engagement and contribution, fostering a more active and engaged club community.

**Community platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-programmers-day-celebration-git-and-github-workshop/>

## EVENT GLIMPSE:



Event attendees



GDSC Leads



Event attendees and Faculties



Event attendees



Invitation flyer of the event

# ATTENDANCE SHEET:

At the conclusion of the event, we had **128** students remaining present, despite its offline mode. Please find the scanned copy of the attendance sheet attached below.

First Name Last Name	Department	Department	Sign	Division	Roll No
25. Tina Radia	#N/A	BCA	[Signature]	CJ	25
SS-Jahannvee Khelija	#N/A				
Aakash Dhakar 37	#N/A				
Aashka Shahelawala	#N/A				
Aashvi Patola	B.Tech Computer Engineering	B.Tech	[Signature]	Bx-1	2
Aashutosh Bera	B.Tech Information Technology				
Ashay Vachhani	MCA	MCA	[Signature]	A	41
Ajit Sevara	B.Tech Information Technology				
Akshat Wadher	#N/A	BCA	[Signature]	B6	53
Aman Sachit	#N/A	BCA	[Signature]	C5	37
Ankur Gangani	#N/A	DCE	[Signature]	Bx	28
Archana Joshi	B.Tech Computer Engineering	B.Tech	[Signature]	Bx	07
AYUSH BHENSAADIYA	BCA	BCA	[Signature]	B3	17
Ayushi Gajera	B.Tech Computer Engineering	B.Tech	[Signature]	Bx	21
Ayushi Pansariya	B.Sc. Information Technology	B.Sc.	[Signature]	E1	37
Bansari Siddhupura	MCA	MCA	[Signature]	A	
Banshi Bhaodiya	#N/A	BCA/BCE/EE	[Signature]	E2	5
Banshi Shekhat	B.Sc. Information Technology	B.Sc.	[Signature]	E2	46
Banshi Wadiya	B.Sc. Information Technology		[Signature]	E1	60
Bhavik Vani	B.Tech Computer Engineering	B.Tech	[Signature]	B4-1	42
Bhava Dawi	#N/A	B.Tech CE			
Bhijai Kacha	#N/A	B.Tech CE			
Daksh Sanghani	B.Tech Computer Engineering		[Signature]	B1-1	21
Darsh Tank	#N/A	DCE	[Signature]	Bx	37
Deep Monpara	BCA				
Deep Pandya	BCA	BCA	[Signature]	C4	67
Dev Kotecha	B.Tech Computer Engineering				
Dev Manseta	BCA				
Dev Rupani	MCA	MCA	[Signature]	B3/A3	30
Devani Kandliya	#N/A				
Dhara Idriya	MCA	MCA	[Signature]	A	
Dhaval Suchak	#N/A	DCE	[Signature]	Bv	35
Dhruvi Pabani	B.Sc. Information Technology	B.Sc.	[Signature]	E1	33
Dimple Mithiya	#N/A				
Dinesh Talwadkar	#N/A	DCE	[Signature]	Bx	22
Disha Harsoda	MCA	MCA	[Signature]	A	
Dhyanesh Chavda	B.Tech Information Technology				
Dhruv Thakar	BCA		[Signature]	B6	40
Dhruv Vaniya	B.Tech Information Technology				
Dhruv Jadeja	B.Tech Computer Engineering	B.Tech CE	[Signature]	Bx	31
Drashti Radadiya	B.Tech Computer Engineering	B.Tech CE	[Signature]	Bx	38
Drashti Ranpara	B.Tech Computer Engineering				
Drashti Vasani	B.Sc. Information Technology		[Signature]	E1	55
Dwit Gosai	BCA	BCA	[Signature]	B4	9
Foram Padariya	B.Tech Computer Engineering				
Gaurav Botaniya	#N/A				

NAME	DEPARTMENT	SIGN	DIV	ROLL NO
Gautamkrishna Vadakekallu	B.Tech. Computer Engineering	B.Tech	BY	45
Nardi Bhanvadiya	#N/A	B.Tech	BX-1	12
Hari Raval Soham	#N/A	BCA	B5	43
Hemang Lakhadiya	BCA	BCA	B4	39
Het Amrutiya	B.Sc. Information Technology	B.Sc. IT	E-2	01
Het Hingrajiya	BCA	DCA	B4	11
Hitarth Khakhar	B.Tech. Information Technology			
Hitarth Vaghela	#N/A	DCE	VHD	BY
Jani Vachhani	#N/A	DCE	Zani	BY-2
Jamvi Ashara	MCA	MCA	A	
Jamvi Manavar	#N/A	BCA	C1	34
Jay Jobanputra	#N/A	DCE	BY-2	37
Jeet Hathi	#N/A			
Kajal Bagada	#N/A			
Karan Chaudhary	B.Tech. Computer Engineering	B.Tech	BX-1	20
Karan Kathur	B.Tech. Information Technology			
Kariya Yashavi	MCA			
Khunt Hepin	B.Tech. Computer Engineering			
Khushi Bhalani	#N/A	B.Tech	BX-2	47
Kinal Patel	#N/A	B.Tech	BX-2	41
Kiyada Nevi	BCA	BCA	B4	32
Krish Gorasiya	B.Tech. Computer Engineering			
Krish Manvar	BCA	BCA	B4	45
Krishna Dharsandia	#N/A			
Kush Patel	#N/A	BCA	B4	23
Maitry Parikh	#N/A	BCA	B2	12
Manish Borad	B.Sc. Information Technology			
Mann Patel	#N/A	BCA	E-2	05
mashuk Sheikh	#N/A	DCE	B5	18
M.A.A.P.A.Y.P.A.E.A.A.C.A.Z.A.A.A	#N/A			
Mitanshi Sheladiya	B.Sc. Information Technology			
Mokshada Vyas	#N/A	B.Tech	BX-1	20
Monisha Samanta	B.Tech. Computer Engineering	B.Tech	BY-1	20
Nafisa Musani	#N/A	B.Tech	BY-2	1
Nidhi Helariya	#N/A			
Nishang Tank	#N/A	DCE	B3	59
Parth Bavaliya	B.Tech. Computer Engineering			
Parth Kadiya	MCA			
Parv Mer	BCA			
Pooja Parmar	MCA #N/A			
prince thakarar	#N/A	DCE	A	26
Priyank raiyani	B.Tech. Computer Engineering			
Priyanshu Lukka	BCA			
Pushti Chavda	MCA			
Rajdeep Joshi	BCA			
Rakesh Chandrapal	#N/A	B.Tech	BX	18
Rathod Keval	#N/A	DCE	BX-1	26

NAME	DEPARTMENT	SIGN	DIV	ROLL NO
Rajal Shivangi	BCA	BCA	50	32
Riya Kartagata	B.Tech. Information Technology	B.Tech	E1	23
Riyanshi Vasoya	B.Sc. Information Technology	B.Sc. IT	E1	56
Ruchita Bhoj	BN/A			
Sagar Nakum	BN/A	B.Tech	50	2
Sakshi Pareek	B.Tech. Computer Engineering	B.Tech	BX	48
Sakshi Patel	BN/A	B.Sc. IT	E1	22
Smit Modi	BN/A	BCA	B4	49
Smit Surani	BN/A	B.Tech	B1-1	10
Sonal Sankhat	BN/A			
Sudarshan njha	BN/A	BCA	E1	51
Taj Vachhani	BN/A	DCE	B1-2	43
Tejasvi Patel	BN/A			
Thakar Karan	BCA	BCA	B6	41
Trith Jani	B.Tech. Computer Engineering	B.Tech	B2	03
Umaraniya Jenish	B.Tech. Computer Engineering			
Vedukul Krupa	BN/A			
Vidhva Suchak	BN/A	DCE	BV	36
Vinit Mehta	MCA	MCA	A	25
Vivek Bopaliya	BN/A	BCA	B3	26
Vivek Umraliya	BN/A	BCA	B5	46
Yash Parmar	B.Sc. Information Technology			
Zala Rajveersinh	BN/A	B.Tech	B5	E2

Chadotara zudip	B.Sc. IT		E2	6
Parth Maru	B.Tech Computer Eng.	Parth	BX	53
Kananiya Smit	B.Tech Computer Eng.	Smit	BX	36
Dobaniya Jenish	B.Tech Computer Eng.	Jenish	BX	18
Ambershu karan	B.Tech (CE)		B2	9
Deep bhutija	B.Tech (CE)		B2	11
Jaykrunh Jadeja	B.Tech Computer Eng.	Jaykrunh	BX	32
Sanket Vachhani	B.Tech C.E.	Sanket	BY	13
Jay Lashni	B.Sc. IT		E2	35
Chauhan Karan	"		"	8
Jaydip Chadotara	"		"	6
Jemil Kotedia	BCA	Jemil	B4	37
Dhruv Ashwari	B.C.A.		B4	1
Belim Nishankhan	MCA		BN(A)	02
Grandia Haren	MCA		A	11
meel Patel	BCA		B5	19

NAME	DEPARTMENT	SIGN	DEIV	ROLL NO.
Ayush Babuani	Computer Eng (B.Tech)		BY	
Dipak Khevkani	B.Sc. I.T.	D.	F2	20
Vishal Chandrajoshi	COMPUTER ENG B.Tech		S BX	19
Kanika Yashvi D.	M.C.A. sem 1		sem-3 B	
Niyati Kapadia	M.C.A. Sem-1		"	
Dhruvi Dhumalga	B.Tech computer Eng. sem-3		sem-3 BX	20
Prayal B. Gajjar	B Tech C.E. SEM-3		sem-3 BX	22
Vaghda Nital	B.Tech C.E sem-3	V.M.M.	sem-3 BY	20
Jethani Liza	B.Tech CE sem-3		BX	33
Prayal Patil	BCA sem-3		B2	59
Janvi Zinzivadiya	BCA Sem-3 <sup>nd</sup>		B2	58
Dayanan Vibha	B.TECH sem-3		BX, BX 1	16 17
Deviya Sakshi	B Tech sem-3		BX 3	62
Hivita Sachdev	B.TECH SEM-3		BX 3	60
Rathod Preeti	B.Tech sem-3		BX 3	61
Manodhya Niumi	B.Tech sem-5		BX 3	
Nerisi Patolija	B.scit Sem-3		E1	38
Vishal Kr. Jaiswal	B.Tech CSE 1 <sup>st</sup> sem		BY-1	15
Ravi R. Geklot	B.Tech CSE 1 <sup>st</sup> sem		BY-1	10
Anand P. Trambadiya	bitech CSE 1 <sup>st</sup> sem		BY-1	8

## **CONCLUSION:**

In conclusion, the GDSC Club's session on Git and GitHub successfully introduced participants to these fundamental developer tools. The event's structure, encompassing a clear introduction, in-depth exploration of Git functionalities, practical application through hands-on exercises, and the introduction of a motivating club activity point system, ensured a well-rounded learning experience. By demystifying Git concepts and equipping attendees with essential commands, the session empowered them to leverage version control for effective collaboration and project management. This informative and engaging session provided valuable insights into the world of Git and GitHub, laying the groundwork for participants to further explore these powerful tools.



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# Event Report

for

**“TECH TALES DECEMBER EDITION”**

**Organized By:**

**Google Developer Student Clubs,  
Research, Innovation & Translation,  
Atmiya University.**

**Date: 1<sup>ST</sup> January 2023**

**Time: 6:00 PM**

**Venue: - Google Meet**

**Event Mode: Online**

**No. of Participants: 8**

## **EVENT OVERVIEW:**

Welcome to the grand launch of "Tech Tale's December Edition, brought to you by the Google Developer Student Clubs at Atmiya University, which was held on 1<sup>st</sup> January 2024. This edition had a theme based on Christmas, and also, it's design and all made it look more like a festival.

## **EVENT HIGHLIGHTS:**

As soon as the event started, the team revealed the theme and the design of Tech Tale's December edition, which was based on the Christmas theme. All the participants were very excited to read it as it contained many exciting topics. The first topic was an informative part providing all the necessary information on the Google Solution Challenge, which was written by the GDSC lead at Atmiya University, Birva Dave. The following section was on real-world software development by, of course, the Web Dev lead of GDSC, Nafisa Musani. Just after this section, there comes the section of another Web Dev lead of GDSC, Vivek Bopaliya, which pointed out the attraction towards the current dry job market. This was followed by a very interesting section of D.I.Y. (Maker's lab), a brilliant idea by the AI/ML lead of GDSC, Brijraj Kacha, in which the reader was given an activity to create a circuit with a predefined water level. This section had every small description required to make it, along with its estimate. The following section was by Rajveersinh Zala, Data Analyst Lead, & Smit Surani, Design & Management Lead, sharing their experience of the SSIP hackathon, in which they could make it to the finals conducted at PDEU, Gandhinagar. The following section was on a very important topic in a software developer's career, which is navigating teamwork, explained by Yash Parmar & Rakesh Chandrapal, The App Dev leads. The following part was introduced for the first time: if any reader wants to share their content that could provide some sort of information or could be helpful for the students, they can contact the team and can be published in the next publication. And the last part was a recap of past events' highlights.

### **Community Platform Link:**

<https://gdsc.community.dev/events/details/developer-student-clubs-atmiya-university-rajkot-presents-magazine-launch-december-edition/>

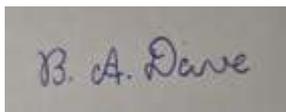
# EVENT GLIMPSE:



## ATTENDANCE SHEET:

There were 08 attendees in the event and was conducted online.

First Name	Last Name	Checkin Date (UTC)
Birva	Dave	2024-01-01 12:28:52+00:00
Brijraj	Kacha	2024-01-01 12:28:50+00:00
Dev	Kotecha	2024-01-01 13:20:36+00:00
Khushi	Bhalani	2024-01-01 12:42:38+00:00
Nafisa	Musani	2024-01-01 12:27:17+00:00
Rohan	Nair	2024-01-01 12:34:43+00:00
Vishvajitsinh	Chudasama	2024-01-01 12:28:08+00:00
Vivek	Bopaliya	2024-01-01 12:26:54+00:00



Birva Dave,

GDSC Lead

(Digitally Signed)

## **CONCLUSION:**

In conclusion, the launch of Tech Tale's December Edition on January 1st, 2024, organized by the Google Developer Student Clubs at Atmiya University, marked a significant moment for the tech community. The event showcased a themed edition centered around Christmas, offering attendees a variety of insightful articles and discussions. From informative pieces on the Google Solution Challenge to discussions on real-world software development and teamwork, the event provided valuable learning opportunities for all participants. Moving forward, such gatherings promise to continue fostering collaboration and knowledge sharing within the university's tech community.

# TECH TALES

DIVERSE MINDS, SHARED STORIES



AI HOST!

DSA!



WEB  
TRENDS!

DATA  
INSIGHTS!



HACKATHON!

**Solution Challenge**  
Google Developer Student Clubs

NOVEMBER  
2023

Designed & Published by GDSC





# Find Your Read!



**Page No. 02**

**Unleashing Innovation: Meet the Awesome Team Behind Google Developer Student Clubs**

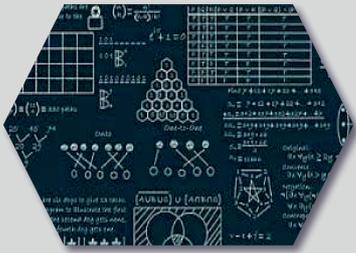
**Page No. 06**

**When an AI hosted an event!**



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**The Backbone of Programming: Unveiling Data Structures & Algorithms**



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**Past works at GDSC & Trending Web-Tech.**

NEXT.JS



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**Data Brilliance: Turning Numbers into Insights**



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**Fluttering Innovations: Hackathon Chronicles**



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**Google Solution Challenge: Code for change**

**Solution Challenge**

Google Developer Student Clubs

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**Introducing “Innovate & Elevate”**



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**A Sneak peek at Past Events of GDSC**

# Unleashing Innovation: Meet the Awesome Team Behind Google Developer Student Clubs

- By Birva Dave, GDSC Lead



## INTRODUCTION

Hey tech enthusiasts and future innovators! Welcome to the very first edition of our magazine, where the Google Developer Student Clubs (GDSC) at Atmiya University proudly stands as the first chapter. We're not just a club; we're a crew on a mission!

In our world of cool tech stuff, we've thrown some awesome events – from a jam-packed orientation with over 300 buddies to smaller workshops and hackathons that took coding to the next level.

Our journey has been nothing short of an adventure. We've had our share of ups and downs, facing challenges that pushed us to think outside the box and go beyond our comfort zones.

Each event, workshop, and hackathon has been a learning experience, a stepping stone towards becoming better tech enthusiasts and innovators.

As a crew on a mission, we understand that the path to success is not always smooth. We've encountered technical glitches, faced unexpected hurdles, and even had moments where things didn't go as planned. But here's the thing – we've learned something new each time.

We're not just a club; we're a community that thrives on curiosity and the shared excitement of diving into the vast world of technology.



## VISION

*“आनो भद्र कृतवो यंतु विश्वतः”*

*Our vision revolves around nurturing innovative ideas and addressing diverse societal challenges through a multidisciplinary approach. In doing so, our goal is to make tangible contributions to both nature and society, fostering an environment where noble thoughts and transformative solutions emerge from every corner of the universe.*

## MISSION

*The Atmiya University GDSC chapter is committed to contributing time and efforts to peer learning, fostering the holistic development of students in both technical and non-technical aspects. We achieve this by organizing a myriad of events and activities, driven by a positive mindset aimed at expanding our vibrant community. Through our mission, we aspire to create a collaborative space where knowledge flourishes, skills are honed, and a spirit of innovation prevails.*

# MEET THE TEAM



## Birva Dave - GDSC Lead

- Data Science Aspirant
- Pythonista
- Data Analyst
- Tableau Developer

### Fun Fact:

Whenever Birva says there is good news for you, there is always bad news.

## Brijraj Kacha – AI/ML Lead

- Pythonista
- Data Wrangler
- Embedded Developer
- Wireless Radio Station Operator

### Fun Fact:

Brijraj doesn't do classes or objects in his code. It's like he's on a no-objects diet for his programming!



## Nafisa Musani – Web Development Lead

- Front-end Web Developer
- MERN Stack Developer Aspirant

### Fun Fact:

Nafisa is the snack ninja – she's got emergency food hidden for when hunger strikes!

## Rajveersinh Zala – Data Analyst Lead

- Data Wrangler
- Data Analyst
- BI Developer

### Fun Fact:

Rajveersinh spends more time finding shortcuts in Excel than actually conducting data analysis.



## Rakesh Chandrapal – App Development Lead

- Android Developer
- UI/UX Designer
- Flutter Developer

### Fun Fact:

In a Google meeting, Rakesh: 50% mute, 50% mentally on vacation. The art of virtual presence



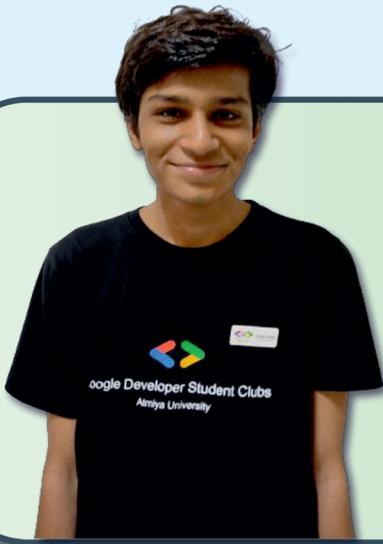
## Smit Surani – Design and Management Lead

- UI/UX Designer
- Graphic Designer
- Front-end Web Developer

### Fun Fact:

In Smit's art world, spelling takes a holiday.  
Who needs perfect spelling when you can have a laugh?





## Vivek Bopaliya – Web Development Lead

- Front-end Web Developer
- MERN Stack Developer

### Fun Fact:

Vivek Patel's programming expertise: more memes, less code – he's the real LOL developer!

## Yash Parmar – App Development Lead

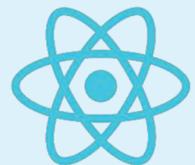
- Android Developer
- UI/UX Designer
- Flutter Developer

### Fun Fact:

When Yash creates an app: 15% UI design, 5% Backend, and 80% time devoted to watching anime. Because, priorities!



## Tech Palette:





# When an AI Hosted an event!

- By Brijraj Kacha, AI/ML Lead

Yes, you are reading correct. It is an interesting true story of one AI host and the group of beginner students who had decided to make it possible within a limited time frame.

Once upon a time at one university, a group of students embarked on an unexpected adventure to organize an event like never before. With limited knowledge and experience, they relied solely on their dedication and eagerness to make things happen.

The event was meant for their fellow students, and the goal was simple: create something innovative and entertaining. A meeting was held a week before the event to finalize details, revealing the unforeseen challenges that awaited them. Not only did they need to work on their ideas, but they also had to navigate the complexities of venue management and date coordination.

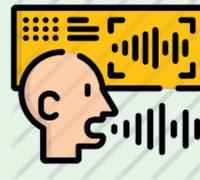
At the end of the meeting, 4 key parts of event were decided. Other than that, the rest of the small but important tasks such as dealing with management, designing the posters, invitations and etc were divided among the team. One of the key parts was to make an AI host, who will host this event. One of the team members stepped up to lead the creation of an AI host for the event, with the full support of the team.

He decided to build this in Python. He planned the whole process and divided it into 5 stages to make it easier.

Those stages were,

## Stage-1:

Recognizing the human speech

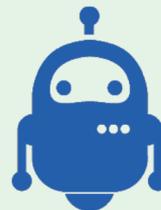
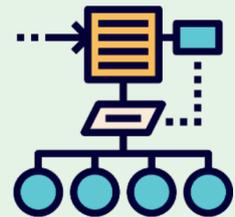


## Stage-2:

To enable the AI to respond vocally

## Stage-3:

To develop a program through which the AI can interact



## Stage-4:

To create visual effects for the AI

## Stage-5:

To convert the entire program into an executable file



He discussed these stages with the team and began working on them. However, they were unaware of the challenges that lay ahead. As he

delved into the project, he discovered alternative approaches for Stage-1 and Stage-3.

Afterwards, the task of adding visual effects to the host and converting it into an executable file was completed in just one day. Everything was prepared according to plan. On the day before the event, rehearsals were conducted.

On the event day, a last-minute check revealed occasional non-responsiveness of the AI host due to deprecated libraries. The team, with the lead taking charge, swiftly introduced a backup in the form of an AI chatbot host.

Python offers a pre-trained library for speech recognition, capable of detecting and converting speech into text. Yet, it did not meet the accuracy requirements he aimed for. In such cases, an alternative is to train a custom linguistic model using Machine Learning. In simpler terms, it's like teaching your code or program to understand the meanings of different spoken words, similar to how we teach a small baby to speak and listen.

In practice, building a custom model with good accuracy is more reliable than using a pre-trained module. However, it's also time-consuming, just like a baby can't learn to speak and listen in a couple of days.

He discovered another method. He planned to take the human voice from the microphone, send that data to Google's microphone from a web browser using web automation, and then extract the text from the text field of the web browser. Although not a conventional technique, it was a hack that provided good accuracy. However, the runtime duration of the process was still too high.

Considering the limited time, he chose to use the speech-recognition module. Subsequently, Stage-2 was implemented using the ptttsx3 module of Python, converting any text to human voice. Additionally, Stage-3 was executed by designing the program to enable interactions.

More challenges emerged as the AI host required an internet connection—an issue the team hadn't even considered. Despite not arranging Wi-Fi at the venue, they overcame this by connecting the AI host to their mobile phone's internet. At the last moment, the team leader asked the task leader if this would work or if they should go with the backup. They took a risk, handed over the session to the AI host, and the event kicked off. To everyone's surprise, the AI host worked seamlessly, bringing joy and excitement to the crowd who witnessed something unexpected.

A screenshot of a code editor window titled 'Host.py'. The code is as follows:

```
1 #Importing required libraries
2 import speech_recognition as sr
3 import pyttsx3
4 import tkinter as tk
5 from tkinter import *
6 from PIL import Image, ImageTk
7 import time
```

**Fig. List of libraries used to create this host**

However, the event faced another hurdle as the team hadn't properly tested the sound system. The chief guest invited from Google joined virtually, but the attendees and invited guests couldn't hear each other. Despite the team's efforts to solve the issue, nothing worked properly. In the midst of chaos, a faculty member intervened, expressing apologies to the chief guest and presenting an innovative online memento created by the student team.

This group of enthusiastic minds faced a moment of disappointment. Some individuals in the auditorium laughed at them. They had successfully built the AI host but struggled to handle the sound system. Despite this, others in the auditorium stood in solidarity with the team, inspired by the idea that if these eight individuals could achieve something, why couldn't they?

This story unfolded during the inauguration event of the first chapter of the Google Developer Students Club at Atmiya University, held on August 24, 2023. The core team comprised these eight individuals, and the one leading the task of building the AI host was also

the author of this article, Brijraj Kacha (AI/ML lead). The invited chief guest from Google was Dr. Avisek Lahiri.

Although the AI host wasn't officially considered a host, the key takeaway was the importance of strong dedication, a never-give-up mindset, and teamwork, surpassing any specific skill set. This achievement wouldn't have been possible without the support of GDSC lead Ms. Birva and the entire core team. As the simple AI host captivated the audience, many in the auditorium were inspired to embark on their own ambitious projects. That made our event unsuccessfully successful!



# The Backbone of Programming: Unveiling Data Structures & Algorithms



- By Nafisa Musani, Web Development Lead

In this fast-paced digital era, where innovation and efficiency drive success, DSA forms the backbone of problem-solving and optimization.

You have mostly heard this term "DSA", but what is DSA.

"DSA is about organizing information cleverly (data structures) and using smart methods (algorithms) to solve problems swiftly in computer science."

Out of the technical definition, think of data structures as the neat and tidy organizers for information, and algorithms as the clever problem-solving strategies that make everything work smoothly.



## Why DSA?

But then the question why we need DSA, why DSA is much needed for the interview preparation.

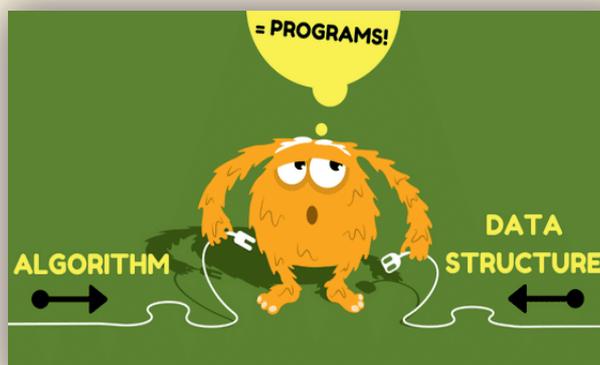
It's all about logic building, twisting and turning your thoughts to solve complex problems.

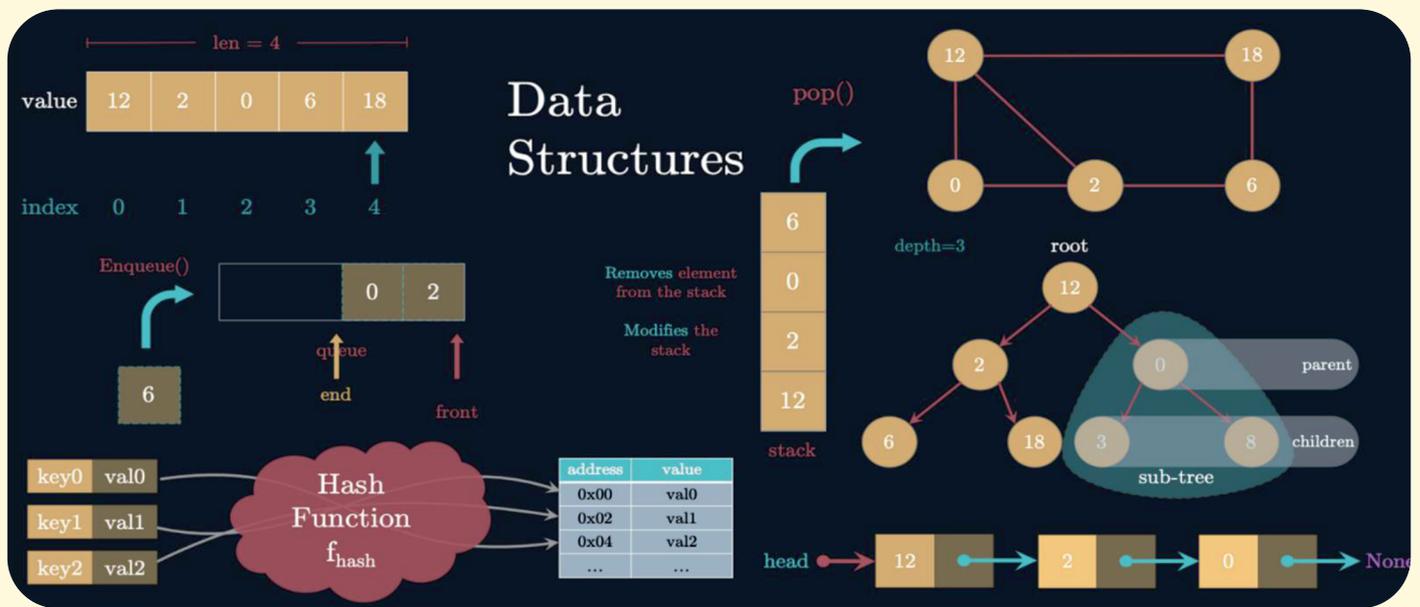
Let's take a scenario where you have built an app or website SUCCESSFULLY and after lot of hard work, now you want to improve its performance in data manipulation and to manage the data efficiently, now here comes your saviour DSA.

DSA will help you enhance the performance of your APP or WEBSITE in terms of both time and space[memory] optimization, ensuring smooth user experience under heavy loads.

With DSA knowledge, you gain the power to identify patterns and apply appropriate solutions across a wide range of scenarios.

There is a saying "Coding without DSA is like trying to build a sandcastle without a shovel and bucket."





## How to Excel in DSA?

After this again the question arises. So, I'll be guiding you with some steps:

### 1. Build a Strong Foundation:

Get a solid foundation on data structures like arrays, linked list, stacks, queues, trees, Hash tables, graphs, tries and advanced tree structures.

### 2. Study algorithm techniques

Begin with basic algorithms such as searching and sorting. Then move on to advance algorithm like dynamic programming, backtracking etc. Understand them properly and solve question related to the topic you learn.

### 3. Practice and Consistency is the key:

The key to the mastery is practice and consistency. You can practice on platforms like LeetCode, GeeksforGeeks, HackerRank, CodingNinjas and many more.

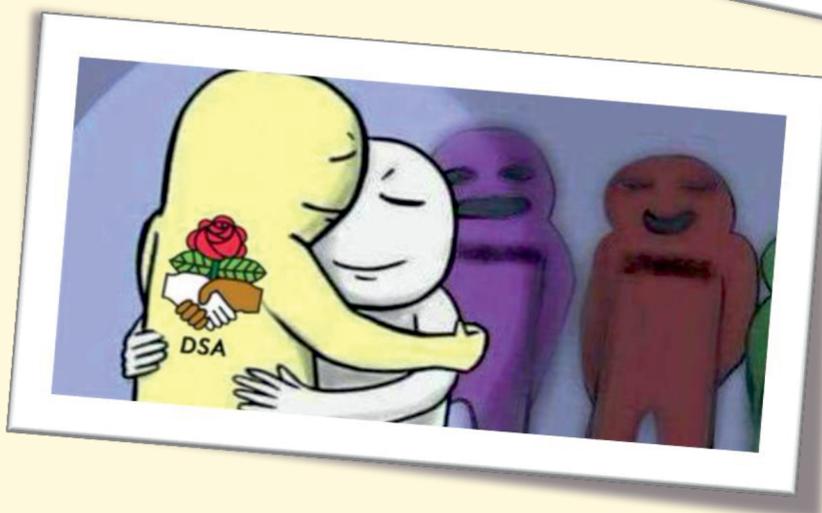
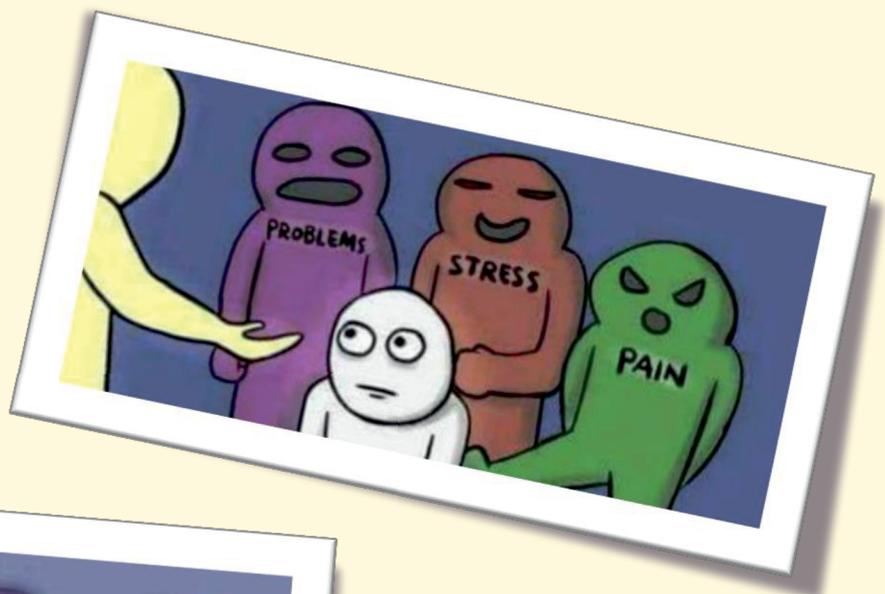
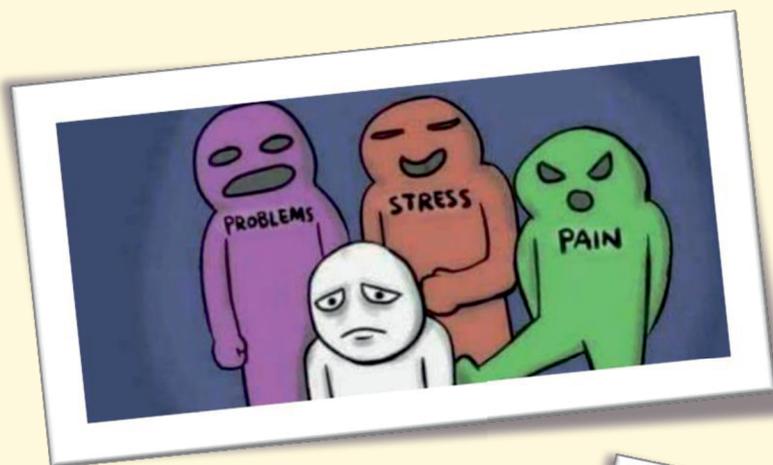
If you maintain your consistency, platform like Leetcode and GeeksforGeeks gives you points and after collecting enough points you can redeem them to buy their merchandise. Isn't it amazing!!



What is the best thing about the DSA is when you solve a problem in a first try you feel like you have **won a battle**. Sometimes you will also feel like this is too hard, I can't do it. But the coolest thing is how to take that situation, if you take as WOW, IT IS HARD, I'AM GOING TO HAVE FUN WHILE SOLVING THIS PROBLEM then I'll bet you no one can stop you from mastering DSA or else if you take as I'M GIVING UP, I CAN'T DO THIS, then no one can help you not even GOD.

You will come up with many days, where you won't be able to solve a problem on yourself, even after you have spent plenty of time on that problem, at that time don't let yourself feel down or make your moral down, because it is okay to not able to solve problem, you can see the solution, because at the end of the end day what matters is that how much you learned.

That time also came for me, I almost GAVE UP, but with the right support and good and supportive friends I started again. The thing is that you have to be open minded.



# PAST WORKS AT GDSC:

- By Vivek Bopaliya, Web Development Lead

## Club Inauguration and the Birth of Our GDSC Chapter at AU:

Picture this: just a week into our GDSC journey at the university, and I'm handed the mission impossible—to whip up a TRIVIA website from scratch in a mere two days. Piece of cake, right? Well, it turns out that was the calm before the storm, my friends.

The real rollercoaster started when we had to sweet-talk the big shots at our university for some changes. Spoiler alert: they didn't hold back. Five redesigns and five website redeployments later, we finally had a masterpiece. Because, as we all know, developers thrive on turning chaos into code.



"Web developing is a breeze,  
but convincing the client  
that '**Comic Sans**' isn't a  
good idea? Now that's a  
conundrum!"



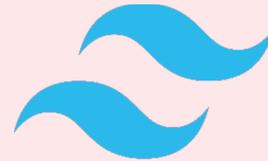
## Git and GitHub Workshop:

Post the grand inauguration and Google Cloud Study Jams, our journey took a delightful detour to our third event—a hands-on workshop. Amidst holiday festivities (thanks, Ganesh Chaturthi), a wild idea surfaced: an urgent need for yet another website. Guess who got the call? Yours truly. Seven days, a gazillion cups of coffee, and one fully functional website later, we were ready to unveil it at the Git and Github workshop. Spoiler alert: it was a hit. Cheers to the genius behind the GDSC lead's desk!



# LET'S GET INTO WEB TECH FINALLY...

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*In the fast-paced world of web development, enter **NEXT.js** by Vercel—making React developers do a double-take. Why? Well, it's like React, but on steroids. With Server Components for that full-stack swagger and SSR making your website faster than you finishing that cup of coffee, it's a game-changer. The cool cats at Vercel have even built a whole ecosystem to make your project's life easier. GDSC's upcoming website? It's rocking NEXT.js, so stay tuned! It's the perfect time to jump on the NEXT.js train before it becomes the cool kid on the block.*

*In the mystical land of CSS, **TailwindCSS** has become the wizard of choice in 2023. It's like the rebel of the CSS frameworks, saying, "Nah, we're not giving you fully styled components. You do you." Say goodbye to looking like every other website out there. TailwindCSS gives you the keys to the creative kingdom. No wonder devs are ditching Bootstrap like last year's fashion trend. If you want your website to stand out in a sea of mediocrity, TailwindCSS is your ticket to uniqueness. Trendsetters, take note!*



# Data Brilliance:

## Turning Numbers into Insights

- By Rajveersinh Zala, Data Analyst Lead



### Why Dive into Data Analytics:

Unravelling the Tech  
Marvels! 🚀

Hey there, tech-savvy folks! Ever wonder why everything seems to be buzzing with tech vibes? From ordering your favourite food to planning adventures in unknown territories, it's all about the tech takeover. And guess what? This digital revolution is sparking a boom in data jobs!



*Now, who's the hero in this  
digital saga?*

*Enter the Data Analyst!*

**Meet the Data Analyst:**  
Your Business Whisperer 🕵️♂️

This cool cat doesn't just crunch numbers; they decode the language of businesses. Working hand-in-hand with big shots and managers, they dig deep into data to uncover golden nuggets that help businesses thrive.

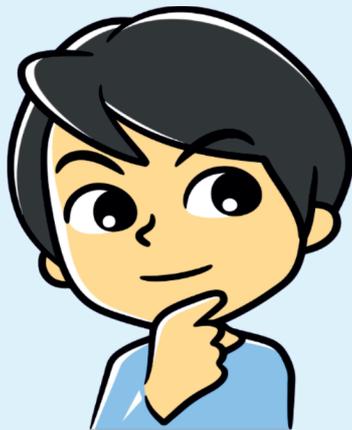


**Where's the Party at for  
Data Analyst?** 🤝

Every company is on the hunt for Data Analysts. You bet! Whether it's the health sector, finance, or even the petroleum industry, they're all in on the hunt.

328.77 million terabytes data is generated daily.

Picture this:



You're planning a trip, booking hotels online, grabbing airplane tickets, or ordering

It's all data! And buried in that data goldmine are insights waiting to boost a company's profits. That's where the Data Analyst steps in!

## Sales Secrets Unveiled:

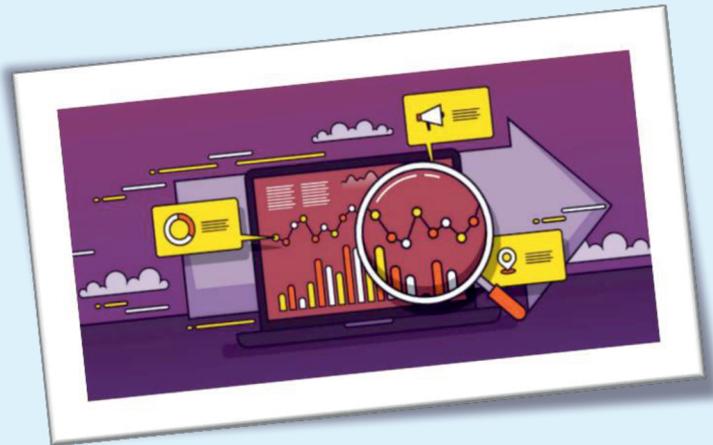
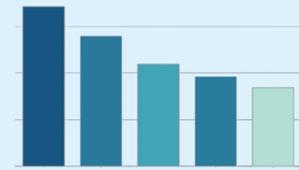
The Profit Recipe

Ever wondered how companies up their **profit game**? It's a detective mission in the world of sales data! From finding the hottest-selling products to identifying the star-performing shops, managers, and employees, it's all about the numbers. And don't forget region-wise hits, discount champs, and those undercover products making big money moves!



# Data Analytics:

The Magic Wand for Marketing 📢



But wait, there's more! Data Analytics isn't just about sales; it's the magic wand for marketing too. Running ads? Ever wondered who's clicking, how many are converting, and which product steals the spotlight? Data Analytics reveals the secrets to running ads that pull in more buyers and axing the ones that don't.

# Tools of the Trade:

Your Data Superheroes 🛠️

Ready to step into the world of Data Analytics? You just need four superhero tools: Excel for number wizardry, SQL for talking to databases, and Power BI/Tableau for turning data into visual wonders. Want an extra boost? Add Python or R to your toolkit!



# Cracking the Data Code:

A Real-world Adventure 🔍

Ever filled out a survey? Think back to GDSC's Google Form. It's a treasure trove of data! But here's the fun part—emails all over the place, some duplicates, and even typos! Cleaning it up is like solving a puzzle. How? Tricks like filtering, sorting, and a bit of magic!



# Empowering Communities: Building a Smarter Way to Address Concerns - The Journey of Our Complaint Registration App



## About Hackathon, Team and Problem Statement

The New India Vibrant Hackathon 2023, hosted by SSIP Gujarat, witnessed the participation of a dedicated team from our GDSC club, comprising two core team members - Yash Parmar and Rakesh Chandrapal, alongside six club members - Jay Pedhadiya, Bhavy Ukani, Karan Chaudhary, Daksh Sanghani, Priyank Raiyani, and Tirth Jani.

Focusing on the problem statement "PS030004" centered around developing an "App For Public Complaint Reporting And Status Monitoring" for the Jamnagar Municipal Corporation within the Urban Governance sector, our team was poised to improve civic engagement. With a unified vision to bridge the gap between citizens and local authorities, our collective efforts aimed to streamline complaint registration and monitoring, enhancing urban management and civic participation.



Register Complaint

## Understanding the need, Visit to RMC

To gain deeper insights into the intricacies of complaint registration and the challenges faced by municipal corporations, our team engaged with the Rajkot Municipal Corporation (RMC), our local authority, mirroring the processes and concerns of our target jurisdiction, the Jamnagar Municipal Corporation (JMC). During our visit to RMC, our interactions with employees and officers provided invaluable firsthand knowledge about the existing complaint registration structure.

Through comprehensive discussions, we delved into the current issues encountered by the municipal authorities, understanding the bottlenecks and inefficiencies plaguing the system. By actively listening to the experiences and perspectives of the RMC officials, we gleaned crucial insights into the pain points of the current system. This immersive engagement enabled us to grasp the nuances of citizen grievances, bureaucratic procedures, and the scope for improvement within the complaint resolution framework.

## Why name "JCC - Jamnagar Corporation Care"?

The app's title, 'Jamnagar Corporation Care,' embodies our dedication to nurturing a responsive, caring community. By integrating Jamnagar's name, we aim to foster a sense of ownership and unity while prioritizing the city's welfare. This name reflects our commitment to a platform that echoes empathy and proactive engagement, placing the Jamnagar Municipal Corporation at the heart of our shared commitment to community care.



## Complaint Registered Successfully

You will receive updates related to this complaint shortly

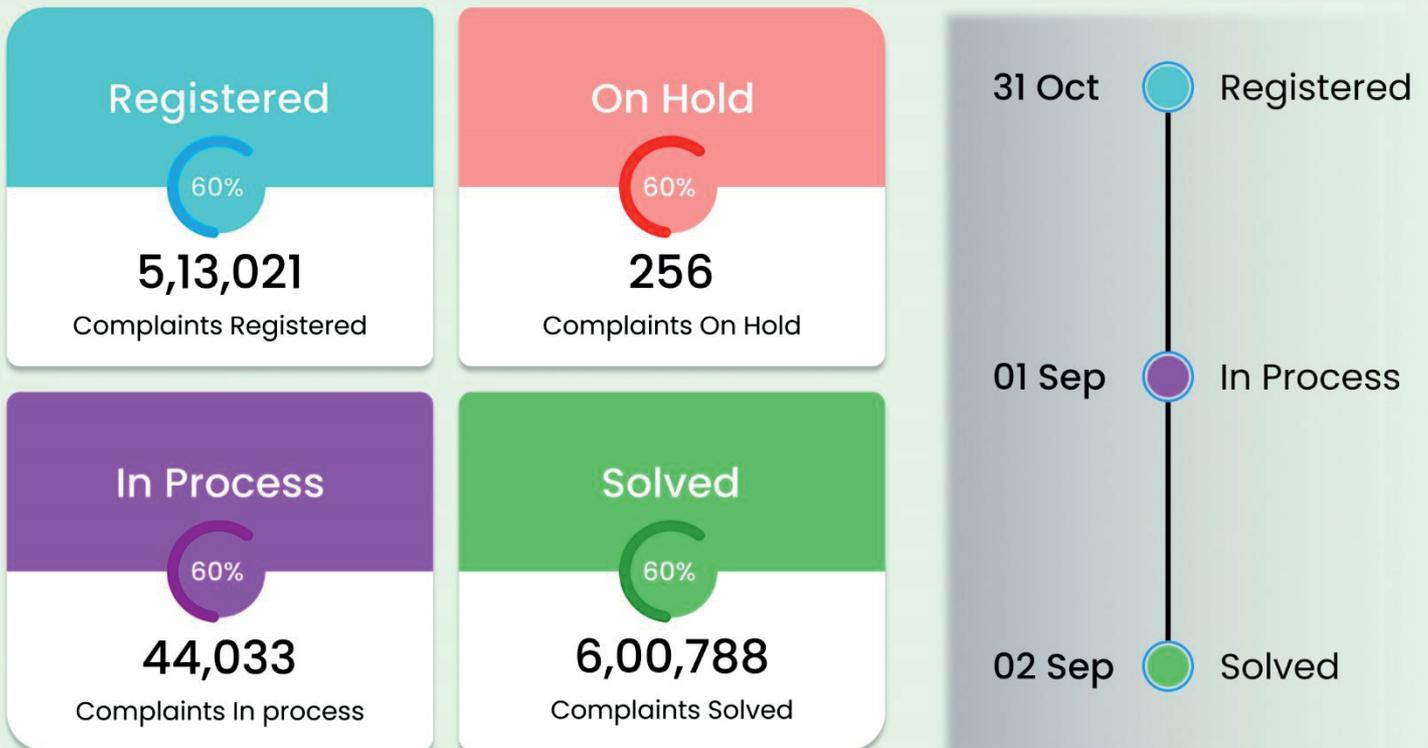
Complaint no. 45

## Collaborative Team Effort in Solving the Problem

At the heart of our triumph is teamwork! We firmly believe that together, we can achieve the extraordinary. Each team member had a unique role, like pieces in a puzzle, fitting perfectly to create something remarkable. From brainstorming ideas to bringing them to life, every contribution mattered. Our collaboration taught us that when we combine our strengths, the possibilities are limitless. It's a reminder that no matter how big the challenge, working together amplifies our impact and propels us toward greatness.

## Why develop two apps?

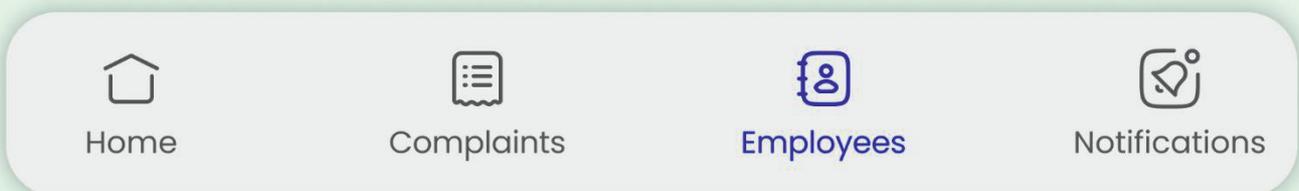
But here's the twist! In our journey to improve complaint resolution, we didn't stop at just one app - we built two! Why, you ask? Well, picture this: one app designed for users to register complaints, ensuring a seamless experience for citizens. Now, imagine another app, exclusively for corporation employees. This second app allows them to swiftly update complaint statuses and notify users about progress. Two apps, two different user experiences, all to ensure efficiency and streamline the process. It might seem unexpected, but this dual-app approach empowered both sides of the spectrum, making complaint resolution a breeze for everyone involved!



## Building Process of the App

Our app's development journey followed three main stages common in software creation. First was the 'Concept Design' phase, where we planned how the app would function and benefit users. Then, we moved to 'UI/UX Design,' focusing on making the app visually appealing and easy to use. Finally, it was the 'Development' phase, where our designs were transformed into a fully operational app, coding and building each feature. These stages ensured our app was not just functional but also user-friendly and effective.

But wait, there's more! As we aim for seamless accessibility and efficiency, brace yourselves for an upcoming addition: a dedicated website! Imagine this - a platform tailored for government employees, enabling them to view and update complaints using the power of larger screens. This website, an extension of our admin-side app, ensures effortless management of complaints on desktops or laptops. With this expansion into the digital realm, we're unlocking a whole new level of convenience for the Jamnagar Municipal Corporation employees. It's the next step towards a more connected, streamlined complaint resolution system!

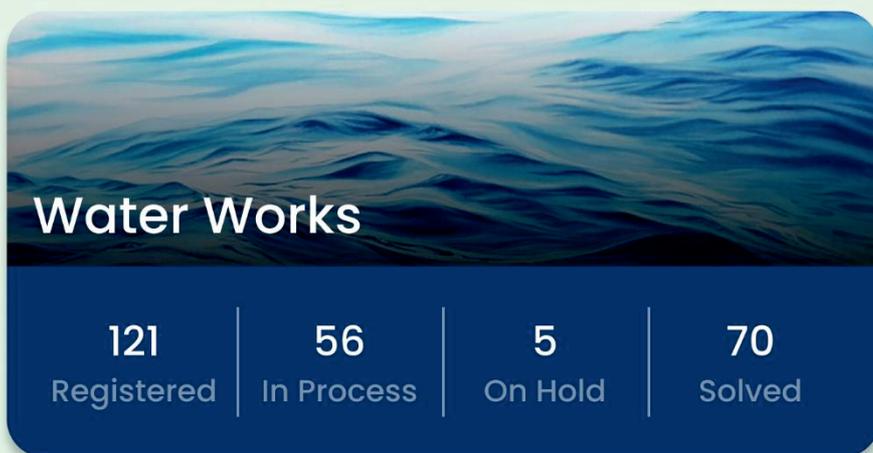


## Navigating Development Hurdles

Our development journey was a rollercoaster ride sprinkled with challenges that tested our wit and perseverance. In the concept design phase, we were lost in a sea of ideas, grappling with decisions like phone number login or email login, the necessity of compulsory emails, and more. It was a maze of uncertainties! Moving to the UI/UX design, our limited experience led to some hilarious mishaps - buttons turned into menus, and the struggle for a user-friendly interface was real! In the realm of UI/UX design, another hurdle we encountered was the color palette conundrum. For days, we were immersed in debates over how buttons, menus, widgets, and cards should look.

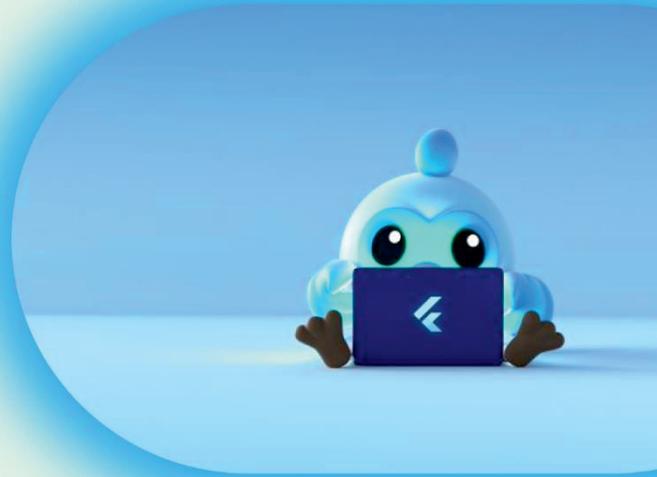


The challenge lay in finding the perfect blend of colors that not only appealed to the eyes but also aligned with the app's essence and user experience. We dedicated a whopping 70-75% of our time to perfecting the UI before a single line of code was written. And then, as if coding wasn't challenging enough, looming exams decided to join the party! Balancing coding and exams felt like juggling flaming torches while riding a unicycle. Yet, with sheer determination and a dash of countless late-night sessions, our team rallied together. Despite the odds, we emerged victorious, turning challenges into stepping stones toward our success.



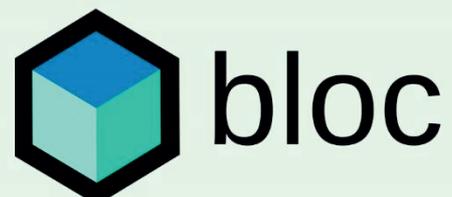
## Tech stack used, Why it was used

Our tech stack served as the backbone of our app's creation, meticulously chosen to ensure efficiency and effectiveness. Figma emerged as our go-to platform for crafting visually appealing UI/UX designs, while FigJam became our canvas for conceptualizing ideas. The adoption of Flutter, coupled with BLoC for state management, empowered us to build a dynamic and scalable app. Firebase played a dual role, handling both our database needs and authentication, ensuring data security and seamless user experiences. Additionally, OneSignal emerged as our ally in delivering timely push notifications, keeping users informed and engaged. Exploring these tools wasn't just a necessity; it was an opportunity for learning and growth.



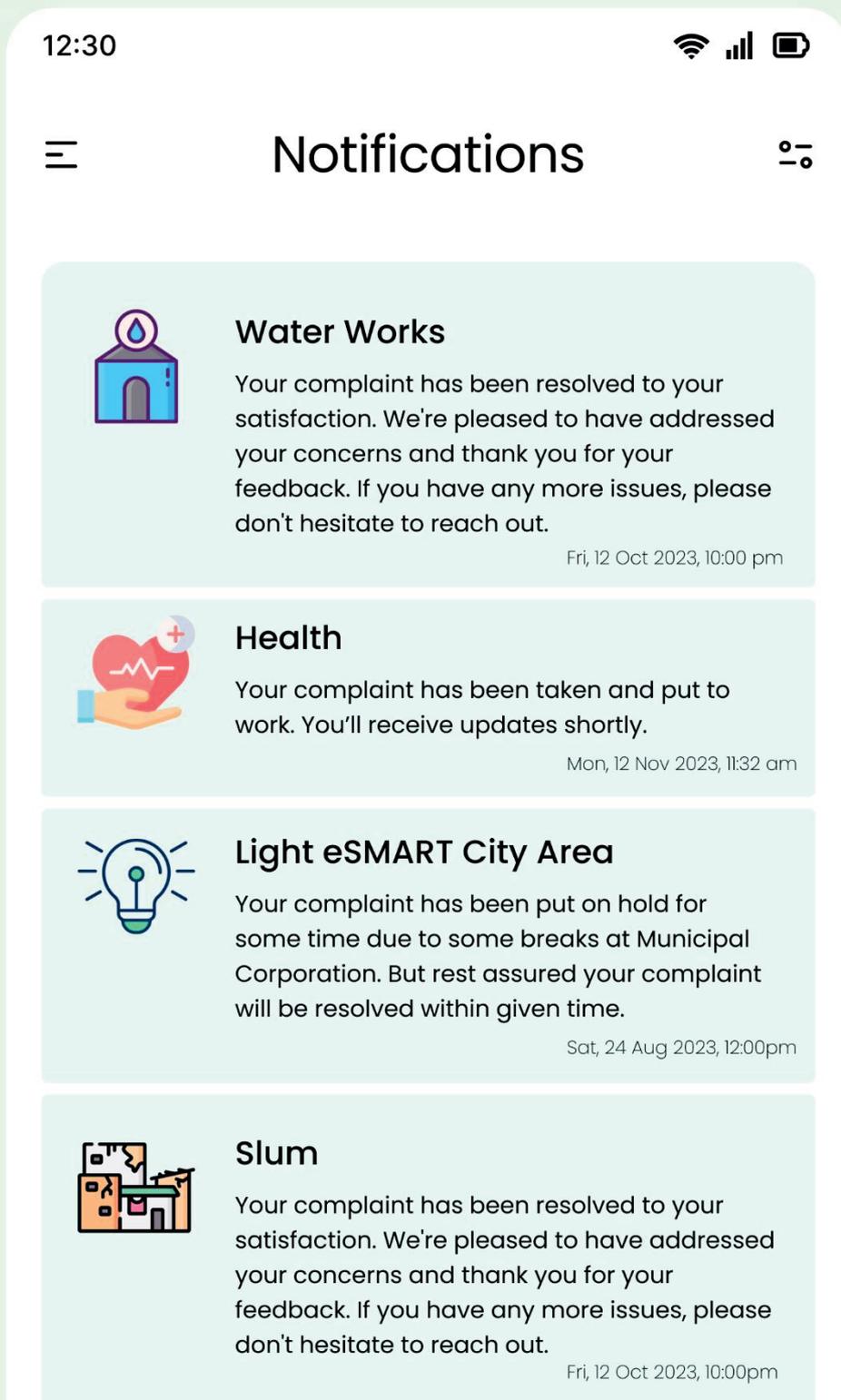
An exciting aspect of leveraging Flutter was its cross-platform compatibility, eliminating the need for separate development for iOS and Android. This single-codebase approach not only streamlined our development process but also allowed us to envision our app seamlessly across multiple devices.

Moreover, the synergy between Flutter and Firebase, both Google products, was a game-changer. The compatibility and integration between these platforms brought unparalleled ease and efficiency to our app's development journey.



# Open for Ideas

As we continue to evolve, our doors remain wide open for new ideas and enhancements for our app. We believe that growth stems from an inclusive environment where fresh perspectives thrive. Whether it's feature additions, interface improvements, or innovative functionalities, we welcome suggestions and contributions from our community, aiming to further elevate the app's capabilities. Provide your ideas by scanning the QR Code.



Hey tech enthusiasts and change-makers! Brace yourselves for the Google Solution Challenge. We're inviting you to showcase your coding skills using the powerful tools provided by Google. Craft solutions that not only tackle real-world issues but do so with the power of innovation and alignment with the 17 Sustainable Development Goals (SDGs).

The GDSC 2023 Solution Challenge mission is to solve for one of these goals **using Google technologies**.

## Your Mission:

1. **Pick Your Cause:** Dive into the SDGs and choose the one that sparks a fire within you.
2. **Code Your Solution:** Unleash the full potential of Google's suite of technologies in your solution.
3. **Showcase Your Innovation:** It's not just about coding; it's about letting your creativity shine. Participate in the Google Solution Challenge and leave your mark on the world.

## Why Participate?

- **Make a Real Impact:** Your solution could be the catalyst for global change powered by Google tech.
- **Showcase Skills:** Put your

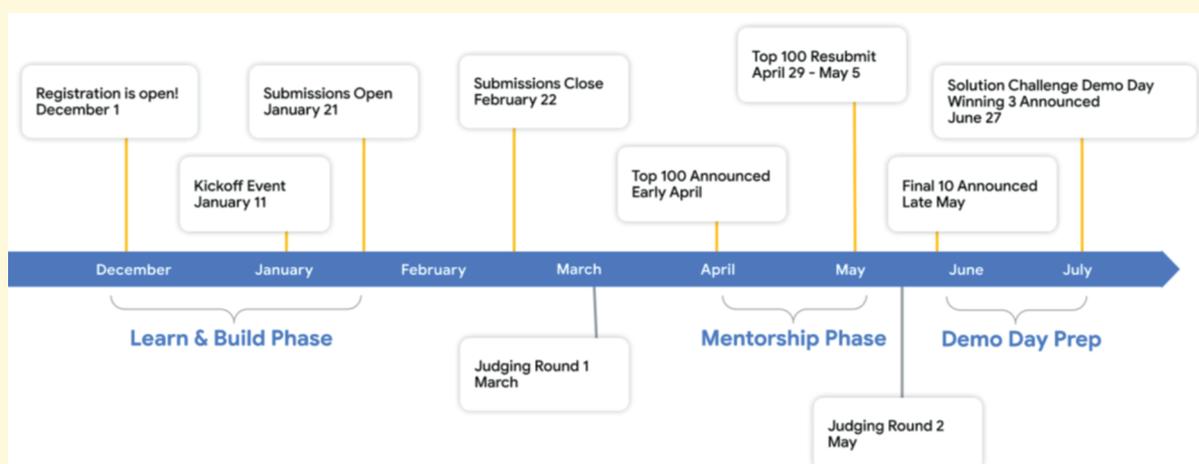
proficiency in Google technologies on display for the world to see.

- **Connect Globally:** Join a community of like-minded innovators and changemakers.
- **Win Awesome Prizes:** The cherry on top? Google is rolling out some seriously cool prizes for the cream of the crop!

## How to Get Started:

1. **Form Your Team:** Gather your technology enthusiasts; this is a team effort with a limit of four members and register your team!
2. **Choose Your SDG:** Find a cause that not only matters but one that you're passionate about.
3. **Develop with Google Tech:** Dive into coding, armed with the cutting-edge tools Google has to offer.
4. **Submit Your Project:** Share your vision and solution with the world – let your work speak volumes.

Find more details about the timeline below. Let the countdown to the Solution Challenge begin!



# Introducing "Innovate & Elevate": Your Ideas, Our Spotlight!

We're excited to introduce "Innovate & Elevate," a new section in our upcoming magazines just for you! Here, we're putting the spotlight on your ideas and projects.

## Why "Innovate & Elevate"?

Think of it as more than just a spotlight – it's a platform to showcase your ideas. "Innovate & Elevate" is here to give your creativity a boost.

## What Can You Share?

The possibilities are endless. Here are some ideas to get you started:

1. **Project Stories:** Share your coding adventures and unique projects.
2. **Tech Tips:** Have a handy coding trick or tool? Share it with the community.
3. **Success Stories:** Overcame a tough coding challenge? Share your victories.
4. **Tech Trends:** Excited about the latest tech trends? Tell us about it!

## How to Get Featured:

1. **Pitch Your Idea:** Reach out with your idea for "Innovate & Elevate." No idea is too small!
2. **Create Your Feature:** Once approved, put together your feature. Add pictures, code snippets – make it yours.
3. **Inspire Others:** Your feature isn't just a story; it's an inspiration for others in our tech community.

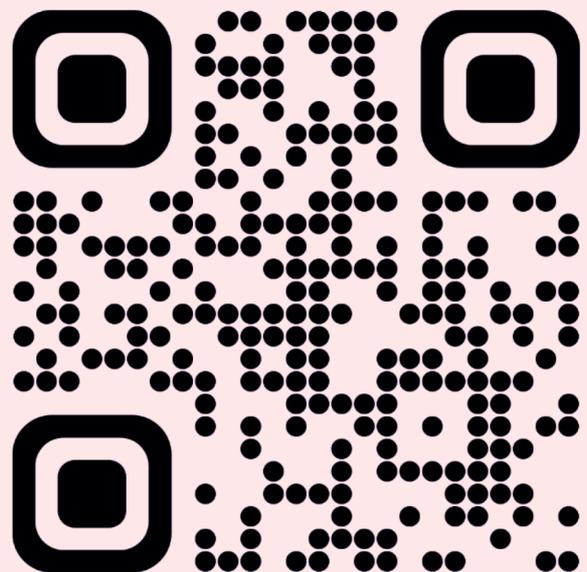
## Conclusion:

"Innovate & Elevate" is your chance to shine. We're turning the spotlight on your fantastic ideas. Get ready to share, inspire, and let your creativity take center stage!

Ready to share your ideas? Your spotlight is waiting.



Scan the QR code below to submit your content:



# A SNEAK PEEK AT PAST EVENTS OF GDSC

## 1. The Beginning of GDSC at Atmiya

We recently launched our GDSC community with an exciting inauguration event. We were honored to have Dr. Avisek Lahiri, a Google software engineer with a Ph.D. in Generative Deep Learning, as our special guest.

Adding an interactive twist, we used Trivia to ask Question in form of MCQ and each answer represents the first letter of GDSC community

Highlighting the tech-savvy spirit of our community, we showcased 'Alex,' our own AI creation. Through voice commands, Alex delivered a captivating address during



the event, adding a futuristic touch to the celebration.

As if that wasn't enough, Dr. Lahiri, in his wisdom, guided us through a knowledge-packed Q&A session. More than 300 eager students seized the opportunity to pick the brain of this tech luminary, turning the event into a knowledge carnival.

The convergence of Dr. Avisek Lahiri's expertise, the interactive marvel of 'Trivia,' and the futuristic charisma of 'Alex' turned

our inauguration into a tech extravaganza. The stage is set for

thrilling collaborations within our GDSC community, where learning meets interaction, and fun meets the future!



## 2. Unlocking Cloud Wonders: Google Cloud Study Jams



### Intro Session: Launching into the Cloudscape

Embarking on a thrilling journey, our Intro Session set the stage for the Google Cloud Study Jams adventure. We navigated through registration basics, timelines, and goals, offering a sneak peek into the exciting tech expedition awaiting our participants. The entire Cloud Study Jams was Facilitated by Birva Dave.



As the virtual dust settled, success stories emerged – 20+ champs completing the GenAI pathway and 5+ mastering Google Cloud Computation Foundations. These sessions weren't just about solving doubts; they were digital support hubs for students navigating challenges.

In a nutshell, our month-long journey through Google Cloud Study Jams was an impactful burst of tech exploration. Participants, earning Google Cloud badges, were unlocking portals to new possibilities.

### Getting the Hands Dirty with Google Cloud

Diving into the Cloud Study Jams, we explored a range of topics from Kubernetes to virtual machine creation. Tailored for all skill levels, these jams provided tracks for every tech enthusiast. Our local GDSC Atmiya joined the adventure with a whopping 160+ participants. Virtual sessions transformed into collaborative tech spaces, offering a platform for learning and growth within the Google Cloud Study Jams framework.



### 3. Programmer's Day Celebration - Git and Workshop

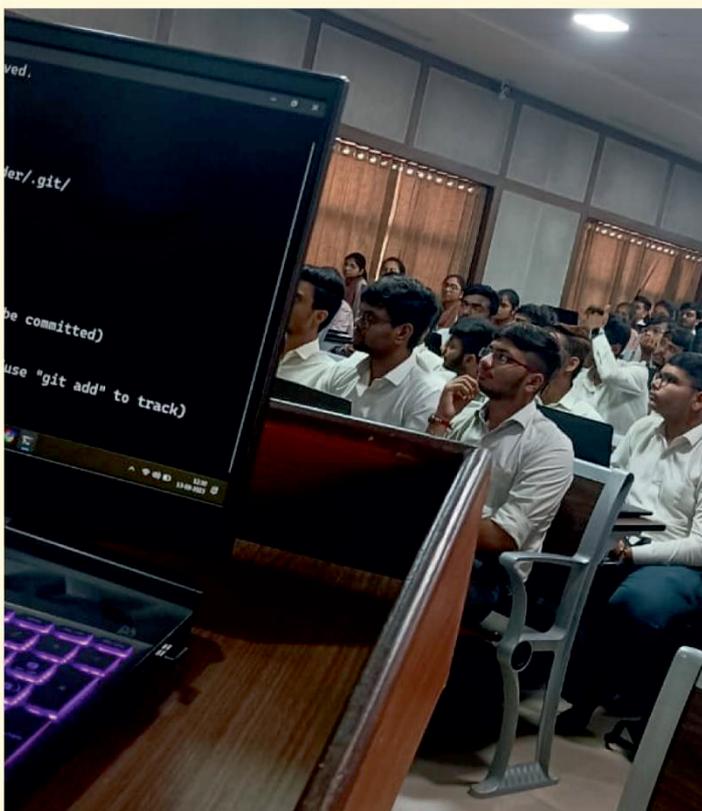
At Atmiya University, Yash Parmar and Rakesh Chandrapal turned a coding workshop into a lively party. The duo made the intimidating world of Git and GitHub feel like a friendly playground, blending humor with coding wisdom.

Kicking off with a short prayer, Yash and Rakesh dived into why Git matters, making it clear in simple terms. They made learning Git commands ('init', 'clone', 'add', 'commit', 'push', and 'pull') feel like dance steps, turning coding into an interactive groove.



The hands-on exercise was a hit, with participants joining the coding dance party. Yash and Rakesh's enthusiasm turned confusion into laughter, making coding accessible to all. Club Activity Points added a playful twist, with earned points unlocking fun coding tasks.

As the session wrapped up, gratitude filled the room. Armed with tasks and smiles, participants left ready to conquer coding challenges. Yash and Rakesh proved that coding isn't just about commands; it's a joyful journey. Let the coding fun continue, and may the Git be with you!



## 4. The Basics of GitHub

In the workshop led by the Akshit Vadher, more than 150 students jumped into the exciting world of coding together on GitHub. Akshit made figuring out version control feel like a cool adventure that everyone could enjoy. He didn't just show students the ropes of GitHub's easy buttons; he made it a blast, teaching students how to host websites on GitHub using pages. This interactive experience was more than just learning the basics. The workshop took students on a hands-on journey through GitHub, even if we were starting from scratch with Git knowledge.

It wasn't just about clicking buttons; we got to see how real industry teams team up on projects. By the end, not only did the 150+ students become GitHub pros, but we also learned the nifty skill of making our own GitHub accounts. "The Basics of GitHub" workshop wasn't just a class; it was the ticket to the super cool world of coding together, where all 150+ of students are now ready for playful coding adventures! The workshop wasn't just about absorbing information. It was a two-way street where students, brimming with enthusiasm, asked questions

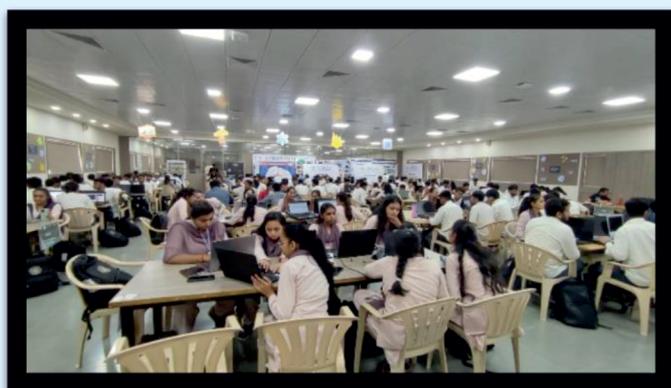


Additionally, He took some time to explain the process of creating our own GitHub accounts. Although it required a bit of extra time, the students were visibly excited as each one secured their own GitHub space. The workshop wasn't just about absorbing information. It was a two-way street where students, brimming with enthusiasm, asked questions

A special shoutout to Abhay Bhai for his invaluable assistance in clearing doubts and providing additional support during the session. His contributions added a helpful layer to the learning experience, creating an environment where students felt comfortable and encouraged to seek guidance.

## 5. Hackathon Happenings

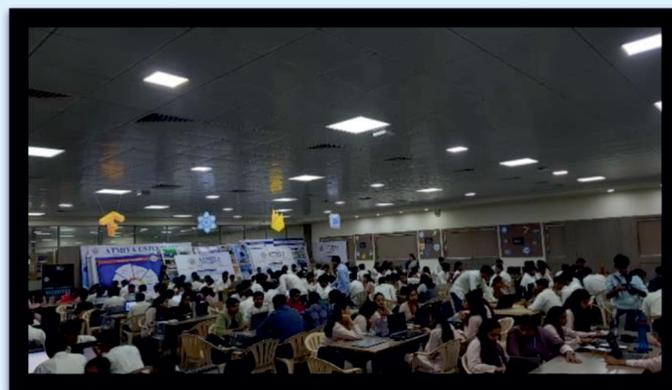
Picture this: just two months into GDSC's debut on campus, and we decided to dive into the unknown with our very first hackathon! None of us were seasoned event planners, but hey, we're all about dreaming big—so we set the stage for a whopping 12 hours of hacking mayhem!



Now, the day before our big hackathon bash was nothing short of epic. From 7 am to 7 pm, we were in full-on prep mode. Sure, we'd already spent a solid 12 hours together the day before, but who's counting? It wasn't your typical hackathon preparation—it was more like a riot of laughter, teamwork, and a hint of chaos that made it oddly fun.



In a nutshell, our hackathon wasn't just about code and caffeine—it was a vibe, a celebration of tech quirks, and a unity party that brought everyone together. It was fun, eventually.



Our journey to hackathon glory started with crafting sassy problem statements, whipping up a snazzy Google Form for registrations, and doling out tasks like sticker making (because, obviously, tech events need cool stickers), cardboard cutting (shoutout to the real MVPs!), and a transformation mission for our resident coding hermits into decor divas. Trust me, it was a mission harder than debugging the trickiest code!



Fast forward to the hackathon day, and our usually quiet library turned into a vibrant tech carnival. Imagine 200 tech enthusiasts buzzing in one room! For many, it was their first hackathon, and the excitement was off the charts. Projects were flying off keyboards, and by the grand finale, winners not only scored cool prizes but left with the ultimate bragging rights. And let's not forget, everyone walked away with participation certificates to show off their hackathon prowess.







# CATCH US AT...



[Google Developer Student Club - Atmiya University](#)



[GDSC Atmiya University](#)



[gdsc.atmiya@gmail.com](mailto:gdsc.atmiya@gmail.com)



[gdsc.atmiya](#)



[GDSCAtmiya01](#)



Join the club from  
community platform

[Atmiya University - Rajkot](#)

**NOVEMBER  
2023**

**COMMUNITY  
PARTNERS**



# TECH TALES

DIVERSE MINDS, SHARED STORIES



Job Market

Bridging The Gap

Teamwork



December  
2023

Designed & Published by



Join the GDSC  
community  
Here



Join the  
WhatsApp  
Channel Here





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# Google Solution Challenge: Code for Change

## Solution Challenge

Google Developer Student Clubs

- By Birva Dave, GDSC Lead

Hey tech enthusiasts and change-makers! Brace yourselves for the Google Solution Challenge. We're inviting you to showcase your coding skills using the powerful tools provided by Google. Craft solutions that not only tackle real-world issues but do so with the power of innovation and alignment with the 17 Sustainable Development Goals (SDGs).

The Google Solution Challenge 2024 mission is to solve for one of these goals **using Google technologies**.

### Why Participate?

✓ **Make a Real Impact:** Your solution could be the catalyst for global change powered by Google tech.

✓ **Showcase Skills:** Put your proficiency in Google technologies on display for the world to see.

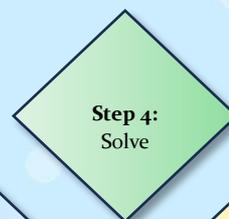
✓ **Win Awesome Prizes:** The cherry on top? Google is rolling out some seriously cool prizes for the cream of the crop!

### Your Mission:

1. **Pick Your Cause:** Dive into the SDGs and choose the one that sparks a fire within you.

2. **Code Your Solution**

3. **Showcase Your Innovation:** It's not just about coding; it's about letting your creativity shine.





## Get started

### 1. Join a Google Developer Student Club

2. **Form a team and register:** Form a team of 1 to 4 individuals, including a Google Developer Student Club member, identify a problem, and register for the Solution Challenge.

3. **Select a UN Sustainable Development Goal:** Select a goal that aligns with personal interests and/or needs in your community that you would like to solve with technology.

## Learn and build

### 4. Identify a solution

5. **Design the user interface:** This is where your solution's user interface and user experience come in.

6. **Design the backend technology:** Follow the learning pathways on the Resources page to help you plan and design the backend.

## Finalize and submit your solution

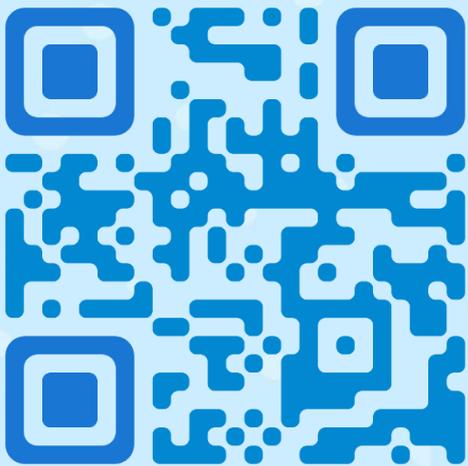
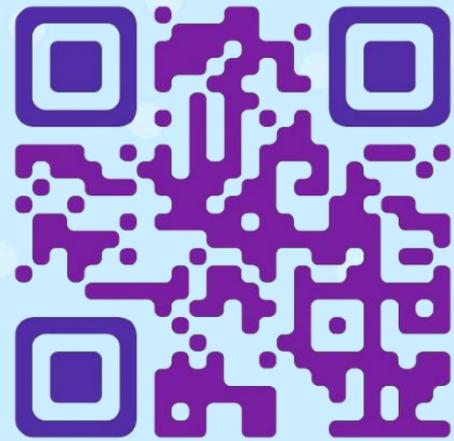
7. **Test your solution:** Collect feedback on your project from other students, family, and friends.

8. **Iterate on your project:** Using the feedback you received, start iterating on your design and technology until it's polished and ready for a final demo.

9. **Record a demo video, and submit:** Put your solution into action. Record a video of a successful demo (maximum 2 minutes long) and submit it by **February 22, 2024**.



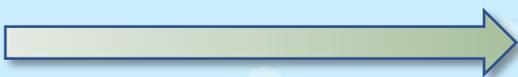
Register for  
Solution Challenge



Design the Solution  
to your Problem by  
following these steps



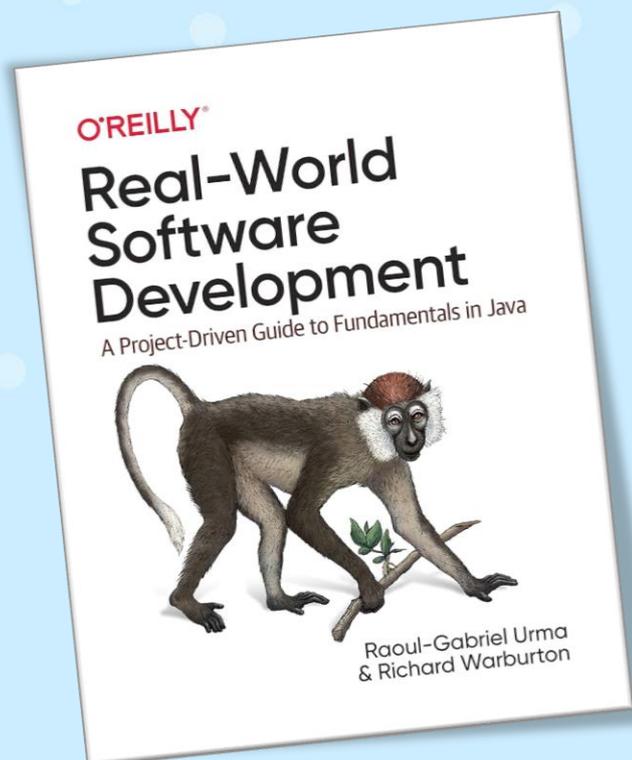
Find Technical  
Resources to build  
the solution here





# Bridging the Gap: Academic Coding to Real-World Software Development

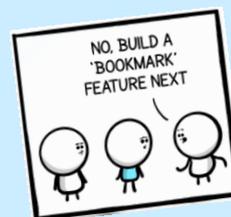
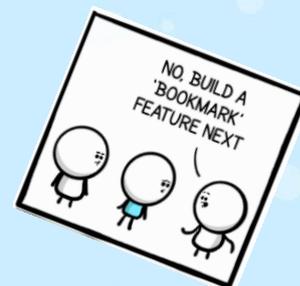
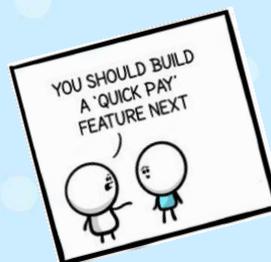
- By Nafisa Musani, Web Dev Lead



The problems are very defined and you the solutions, you just have to put a little bit of hard work to complete it and typically it spans up to a week or a month.

Well in the real-world coding symphony. Imagine you are trying to paint with a blindfold on – that's the level of ambiguity we're dealing with. Imagine the chaos if professors could do that — you finished your project, but he/she comes back saying the task has changed. Users may change their mind about a feature, or a market can change, causing product owners to need to switch gears.

**H**ave you ever wondered how the real software development be in a real world, well it's a lot different from what we learn in college, you will experience a whole new world. Transitioning from college coding to real world coding is like a transition from riding a bicycle to a scooter. In the academic world, professors will generally teach you about the science of programming. Hence, you'll take a lot of theory and math courses to understand the fundamentals of how programming works behind the scenes





A big misconception is that simply by reading or memorizing a book on Java or C++ they will become a seasoned expert. Nothing could be further from the truth.

Programming languages are just tools to do the job. Software development works the same way. A programming language is something we learn to accomplish a task — but that’s not the only thing we need since engineers have to understand systems and architect their solutions before, they start building.

In fact, much of the hard work in software engineering is from the design, not the implementation. The internet contains many resources to help you. So, if you forget the syntax, it is completely OK as you can google, that what most of the developers do, as you will not deal with a single language but multiple languages.

In fact, much of the hard work in software engineering is from the design, not the implementation. The internet contains many resources to help you. So, if you forget the syntax, it is completely OK as you can google, that what most of the developers do, as you will not deal with a single language but multiple languages. Being a software engineer means always needing to keep learning. We're all master Googlers. Need a dance move? Google it. Need a code solution? Google it. We're like detectives, solving mysteries one search at a time.





# BUSTING MYTHS

## Myth Buster: "In the Real World, It's All About Writing Code"

Surprise, surprise! Real-world software development is not a lonely typing marathon in a dark room. It's a lively you have to interact with many people designers, collaborators, strategic decision-makers. We code, yes, but we also salsa dance with project managers and tango with UX designers.

Software engineering is actually a team sport where communication is paramount. Every day we have to collaborate with various different people and teams to get the work done.



In the college, we generally think that in order to write a program we must know the meaning of every statement, but in the real world its not true. Imagine you are working in a team to build a software, you are provided with a specific task to accomplish, you have written a code of around 50 lines and you give that code to fellow team member to decode, he/she obviously not know the meaning of every statement but he/she will be confident that they will do it anyway.

In the industry we are not going to write the code from the scratch rather we will be utilizing the code written by the other developer and it is more about reading than writing. We will be exposed to work that has been written by others, either for maintenance extension, or simply division of labour. Therefore, reading code becomes many times more important than writing it.

Putting it all together, at academics, the goal is to learn and get good grades. At work the goal is to help the company achieve a goal. The focus isn't on you anymore, not exactly anyway, but on how you can contribute to your team. In the classroom, your success is independent from the student next to you. But in the workplace, where your whole project is at stake, you're highly dependent on the work of peers to get things done and accomplish your goals.



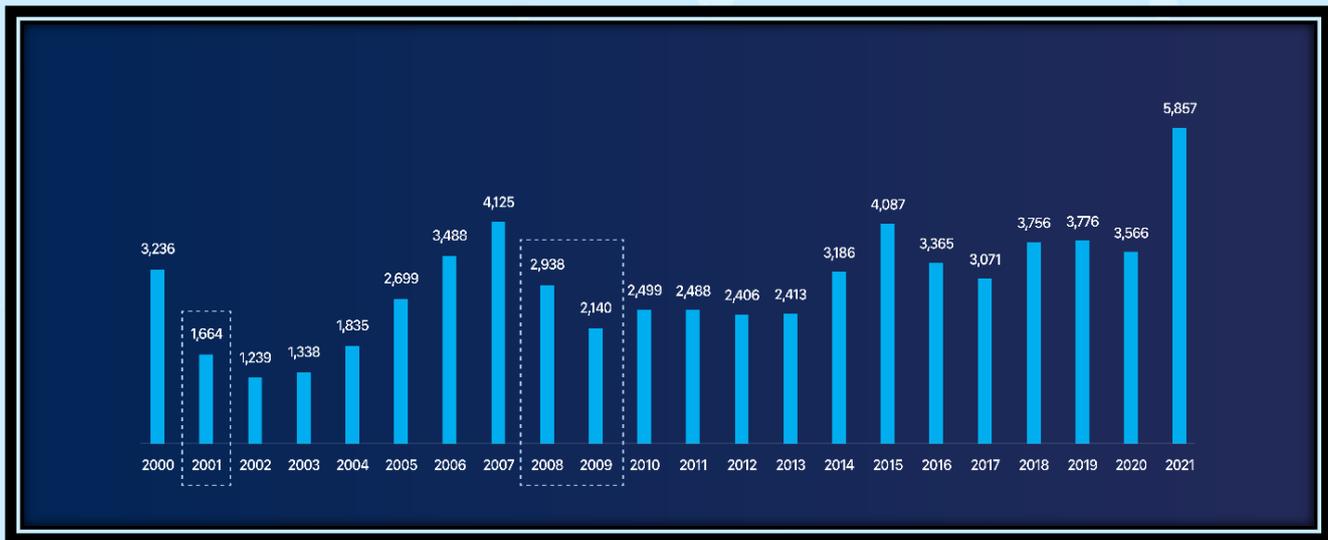
# THE CURRENT DRY JOB MARKET



In 2002-03, there was a tough time for the world's economy, and India's tech industry also faced challenges. This happened because, earlier, many internet-related companies became very popular, and their stock prices went up a lot. But then, these companies faced financial problems, and the stock market had a big drop.

- By Vivek Bopaliya, Web Dev Lead

## Past M&A Cycle and Recession in India:



In India, the tech industry, which had been growing quickly, felt the impact too. Companies that depended on clients from other countries, especially the United States, had less work because those global businesses were spending less on tech services. This led to companies in India cutting jobs, making it hard for people to find work. The whole situation slowed down the economy. But, despite the tough times, the Indian tech industry learned important lessons. They changed how they did business, became more innovative, and found new ways to grow. The government also helped by making rules that encouraged foreign investment, supporting the tech industry. In the end, the tech industry in India recovered and became even stronger, showing that even in hard times, being flexible and planning smartly can make a big difference.



# Now WHAT?

If you're feeling a bit overwhelmed about landing a tech job in India, you're not alone. Let's dive into the current situation and explore some simple things you can do to boost your chances.

## Change in Job types:

Picture having a robot friend who can help you with homework. Technology is doing similar things – some jobs people used to do are now being done by smart computers. This means there are fewer job openings for certain types of tech roles.

## How companies get help:

In the past, companies would ask other companies for help with certain tasks. Now, because of super-smart tech, some tasks are done by machines. This shift is making it a bit challenging for people who used to do these jobs.

## Limited job opportunities currently

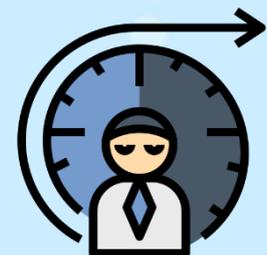
Think of it like when you have a party, and there's not enough pizza for everyone. Similarly, there aren't as many job openings in the tech field in India. Companies are being cautious with money, especially after the COVID-19 pandemic, and they're not hiring as many people as before.

## Why freshers facing challenges:

Imagine finishing a really tough level in a video game and now searching for the next challenge. It's a bit like that for fresh graduates looking for jobs. The world has been through tough times, and not all the skills learned in college match what companies need. Plus, too many people are also looking for jobs in same areas.

## Future of IT

The Indian IT sector, amid challenges, thrives with potential. Ongoing technological advancements bring new opportunities. Lifelong learning, skill alignment, and collaboration are key for individual success and industry growth.



# How to get a survive and get your first



## Skill Specialization:



Mastering one programming language of your choice, whether it's Python, Java, or JavaScript, is essential. This, coupled with consistent practice in problem-solving algorithms and data structures, forms the bedrock of your technical expertise.

## Open-source contribution:

Contribute to open-source projects to gain practical experience and build your portfolio. This demonstrates your ability to collaborate on real-world projects and showcase your skills to potential employers



## Project Development:



Building your own projects, however small or simple, allows you to experiment with new technologies, apply your skills, and showcase your creativity. This self-driven initiative is highly valued by recruiters and demonstrates your passion for the field.

## Soft Skills Matter:

While technical skills are essential, don't underestimate the importance of soft skills. Communication, teamwork, problem-solving, and leadership are highly sought-after qualities in today's workplace. Cultivating these skills will make you a more well-rounded professional and enhance your employability.



## Network Building:



Building relationships with professionals in the industry is invaluable. Attend industry events, connect with professionals online, and seek mentorship opportunities. This network can provide valuable insights, career guidance, and even potential job leads.



# MAKER 'LAB'

- By Brijraj Kacha, AI/ML Lead

January, the first month of the year. Many, like me, prefer staying into the blanket these days. From coding to sleeping, I spend my most of the time with my warm blanket.

Yet, there's one task that requires stepping out from the cozy castle of pillows and blankets. I must wait on the terrace in the cold until my home's water tank is completely filled.

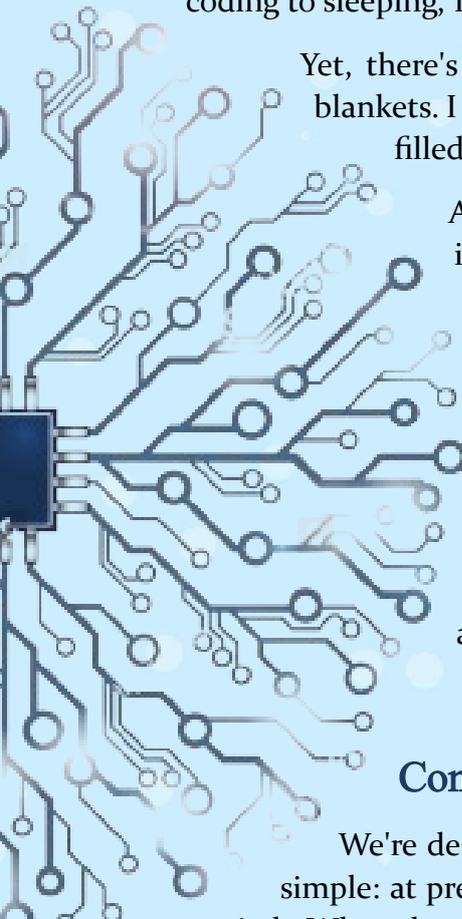
As solution seekers, we find hacks for everything. Last winter, facing this issue, I took action.

I am Brijraj Kacha – I do programming by passion and make circuits by heart. Last year, I created and installed a fully automated robot. It turns on the water pump when the tank is empty and turns it off before overflowing.

I faced this issue last winter, and I believe many of you did too. While a fully automated robot for this task is next-level, let's start with a water level indicator. This DIY project will display the water level in the tank and ring an alarm when it's full. Ready to get started!

## Concept:

We're designing a circuit using transistors and LEDs as indicators. The principle is simple: at predefined water levels, we create a closed-circuit using water as a conductor switch. When the water reaches that level, the circuit completes, turning on the LED. This way, we'll know when the water has reached the desired level.





## Required Components

Sr. No.	Component	Qty.	Approx. price per 1 qty.		Total approx. Price	Image	
1.	NPN Transistor (BC547)	5	Rs. 6/-		Rs. 30/-		
2.	LED	4	Rs. 3/-		Rs. 12/-		
3.	Piezo Buzzer mini	1	Rs. 10/-		Rs. 10/-		
4.	2 Pin Connector (Screw Type)	1	Rs. 5/-		Rs. 5/-		
5.	Small size PCB (2x3 Preferable)	1	Rs. 10/-		Rs. 10/-		
6.	100 Ω Resistors	4	Rs. 2/-		Rs. 8/-		
7.	1K Ω Resistors	5	Rs. 2/-		Rs. 10/-		
8.	Power Source (Any one from these 2) <hr/> 9V battery with its battery cap <hr/> 9V DC adapter	1	Rs. 25/-	Rs. 100/-	Rs. 25/-	Rs. 100/-	





9.	Rainbow Wire	1	Rs. 30/- per mtr.	Rs. 30/- per mtr.	
10.	Wires (Depending on your location and floor level, you can connect the water tank to the indicator using CAT5, Rainbow wire, or similar options.)	-	-	-	

### Additional Required Tools

(If you don't want to purchase these tools, then you can use that from your respective labs also)

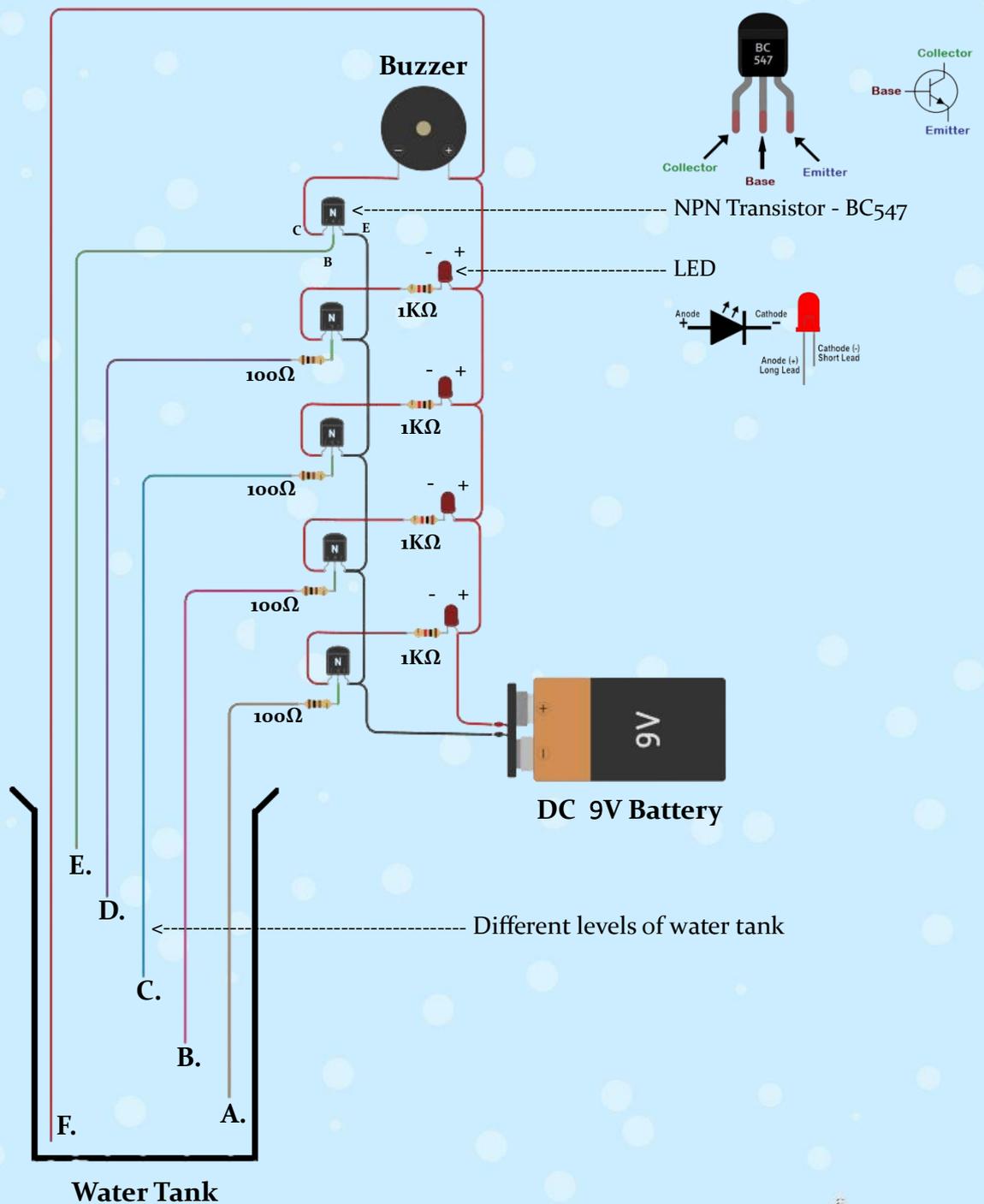
1.	Soldering Iron	1	Rs. 100/-	Rs. 100/-	
2.	Soldering Core	1	Rs. 50/-	Rs. 50/-	
3.	Wire Striper (To peel off the insulator from the wire)	1	Rs. 60/-	Rs. 60/-	

Note that the prices in this table may vary among different shops and shopping websites. These are approximate prices for the listed components and tools, providing you with a budgetary idea.



➤ **Make the circuit:**

After collecting these required components, now it's time to assemble it and make one circuit. To make the circuit, follow the steps below.





A few of the important tips, before we start:

✓ **Important tips:**

1. Always prototype the circuit on a breadboard first before soldering for testing.
2. Secure components on the PCB so they won't move after soldering.
3. Verify the orientation of each component's terminals on the PCB before soldering.
4. Trim excess component leg length after soldering.
5. Maintain a clean and organized PCB design for a polished look.

**Step 1: Draw Circuit Diagram**

Draw the circuit diagram on paper to understand the placement of components.

**Step 2: Breadboard Circuit Implementation**

First, assemble the necessary components on the breadboard to create the circuit. Once assembled, conduct tests to ensure that the circuit operates as intended in its initial run case.

Then after place the components on the PCB to visualize the required space.

**Step 3: Soldering**

Heat the soldering iron carefully, keeping it away from flammable items. Follow the circuit diagram to solder the components.

**Step 4: Follow Circuit Diagram**

Refer to the circuit diagram while soldering to ensure accurate connections.

**Step 5: Connect Power Source**

Connect a 9V DC power source (use a DC adapter or a 9V battery) to the green 2-pin screw-type connectors. Ensure proper polarity, connecting negative to negative (Ground) and positive to positive (VCC).

**Step 6: Test in Water**

Check the circuit's functionality by placing it in a glass of water.





## Step 7: Installation

Place the indicator near the water pump or submersible switch. Extend wires from the circuit to the water tank. Install a system to secure the wires according to water levels.

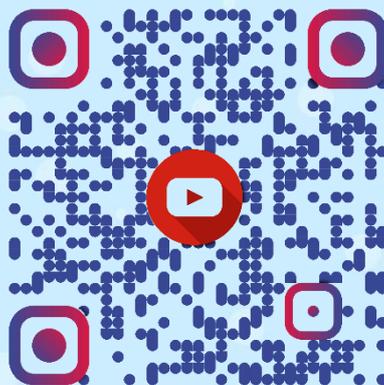
For a simple DIY arrangement, consider repurposing items at home. The goal is to create a functional setup without necessarily purchasing specific items.



Excellent, we've done it! We've designed a system to track the water levels in your home's tank. Construct this circuit at your place this January. Produce a video showcasing your circuit and submit it by scanning the QR code provided below. You could be showcased in our upcoming magazine edition. Additionally, all participants will receive an e-certificate upon submission, recognizing their innovative efforts. If you have any questions or need clarification about this DIY project, feel free to reach out to me at +91-8320380483 or email [brkacha553@gmail.com](mailto:brkacha553@gmail.com).

**Submit on or before 25<sup>th</sup> January 2024.**

Scan the QR code for a demonstration video and the submission link for your DIY circuit.





# Journey to **SSIP**

- By Rajveersinh Zala, Data Analyst Lead  
& Smit Surani, Design & Management Lead

In this magazine we would like to share about our journey in the SSIP Hackathon. Our Team consist of 6 people and our problem statement was on Online Monthly Data Submission System in which till now all the work was done on paper and it was the time-consuming process and lots of papers are used in it, for each state 20-30 governments papers and every month which is a big amount and a single mistake in it can disrupt the whole system. Also, it was very time consuming, organizing all the papers, it contains govt. data so its safety is also important. So, let's see what we found the solution in it.

## Seeking Help from Surendranagar



So basically, when we went to the government officials at RMC, they didn't give a proper response as they didn't understand what were we asking for. So, we decided to ask help from one of our teammate's native place's officers, which is Surendra Nagar at there we met Mr. Adhara (Head of controller legal metrology's office in Surendra Nagar) And he helped us by providing the complete detail of the process.



Each district has 4 or more divisions and for each division an officer is appointed to check the areas given to them and fill the form and submit it to the end of the month. So, at the end of the month a state level officer receives all appointed officers form for that district only. Now there are two regions in Gujarat and that region collects the form of the district which comes under them. After all forms are collected, it is sent to the Head Quater which is situated in Gandhinagar.



### Solution:



We built a website using HTML, CSS, JavaScript, and jQuery for the front end, and MySQL for the database. The site is designed to allow only Division Level officers to input data within a specific monthly period. District officers can only view papers from Division officers and receive combined data from all their divisions.

Once district officers approve the data, it moves to the regional level and then to the Headquarters. The system stores data for each month and displays the previous month's data for easy comparison. Additional features include officer, allowing regional officers to message district officers. An e-sign approval system ensures that each officer verifies the data.

The screenshot shows a web application interface for Gujarat Government. The title is 'GUJARAT GOVERNMENT' and the subtitle is 'Sheet-6: Details of unit verified during the month'. There is a 'Select District' dropdown menu and a 'View' button. The table below shows the details of unit verification during the month.

Details	Number of verified weight measurements during the current month	Number of verified weight measurements during the last month	Total Number of weight measurements verified at the end of the month	Income during the month	Earnings till last month	Total income at the end of the month
Vehicle Tank(Tank Lor)	6	9	15	600	900	1500
Proving measures	9	12	21	900	1200	2100
self/semi-self counter	9	6	15	900	600	1500
Spring balance	9	12	21	900	1200	2100
Crane weighing machines	9	9	18	900	900	1800
Platform weighing machines	9	9	18	900	1500	2400
Totalling weighing	6	15	21	600	1200	2100
Auto weighing machine	9	12	21	900	900	1800
Way-Bridge(Analog)	9	9	18	900	900	1800
Electronic-Way/Bridge	9	9	18	900	900	1800

Charts on the website help officers quickly verify details without going through the individual records. Automatic notifications inform officers of pending tasks. A calendar feature enables the viewing of past records. To differentiate between district and regional officers, we assigned unique ID-pass combinations for each officer.



## Regional Round



So, fourth our website was ready almost in the first round of Hackathon which was in Rajkot's Govt college which for 12 hr. In our mean time we completed our pending work for the website and were enjoying the place, we walked through all the places and the food was intermediate in there. The judges did like our work and appreciated our work, they really got bit interested in our project and finally after some days we got news that our team was selected for the round 2 which was held at Gandhinagar.



## An Unplanned Night Adventure:

We were really excited for it. So as our 2nd Round was in PDEU at 8 A.M. we had to leave from the Rajkot at night so we decided to leave at 10 PM, travelling through bus. And you know what the bus was delayed and finally came at 1 AM. We thought this might happen so it was calculated we really enjoyed that time to roam here and there. We all were having a night out on the road at 1 AM and the moments we shared at that time were precious and indescribable. We tried all the food stores which were open and we were talking useless things and know what whole crowd was listening us, but who cares when you are with friends.



## Impressive start at PDEU:

The next day we reached PDEU, without sleep and the breakfast was mind-blowing, when the hackathon started our project was first to start. The person who came to check was the govt. officer of the regional level itself and know what, they were very curious about our project not only they were impressed but gave us a whole set of files to implement in it. They almost set beside us the whole day and saw our workflow. They even gave us some functionalities to add in it.

## Post Hackathon Adventure:



After the hackathon was over, we decided to have food and go to McDonald's which was 35 km away from PDEU, so we started walking towards McDonald's and nearly walked for 1 hr creating nuisance in the road. After we booked a cab because we were hungry. We ate for 1 hr and decided to stay near a lake the whole night. Yes, and we did it. The whole night we played games, talked a lot, and had fun. At 5 we came Rajkot back by train.





### **Crafting Memories and Bond in the SSIP:**

In conclusion, our journey in the SSIP Hackathon not only led to the development of an innovative solution for the Online Monthly Data Submission System but also showcased the power of teamwork. The enjoyment we had, the time we spent was very memorable and I might forget in future what we did in hackathon but the memories we shared during this period was precious and also brings a mild smile in face when talked about it. And if you also got a smile while reading it then believe it you have such friends and next time, I expect you to participate in hackathon with your friends and create such memories. Thank You.



# TEAMWORK

## NAVIGATING TEAM WORK IN SOFTWARE DEVELOPMENT

- By Yash Parmar & Rakesh Chandrapal, App Dev Leads

Ah, the ancient wisdom that says, "Great things can't be built alone!" It's like saying, "A single Lego brick doesn't make an entire castle." If you want to make a dent in the universe or just a really cool app, you've got to tag in the A-Team, no matter if it's the Avengers or just your gang from down the street. Because, let's face it, Superman may be super, but even he needs the Justice League to get stuff done!

Teamwork's a bit like hide-and-seek, isn't it? You can't win by hiding alone in a closet; you've got to work together to find the best spot! Avoiding teamwork? As tricky as dodging Aunt Carol's big bear hugs at family gatherings! Even if you're a lone ranger acing solo interviews and landing gigs at tech giants, think about Google. They've got more teams than superheroes in the Avengers! Whether it's Gmail or Google's magical search, they've got a town-sized dream team!

When you're coding solo, it's a bit like exploring a peaceful wilderness. You make a mistake, no worries, you fix it yourself. But in a team, it's like juggling cats—everyone's in their own zone. You write your code,

your teammate does too, but when it's time to combine them, it's like mixing oil and water. They just don't mix well!



You might wonder why I'm sharing these challenges. Am I scaring you away from teamwork? Not at all! I'm here as your seasoned guide, highlighting the bumps you might face while teaming up in software. Challenges pop up in any team work, but fear not—I've got solutions ready. Let's gear up and tackle these hurdles together!



Adding notification bar:



Adding UI to the task bar area:

It's akin to staying informed through GDSC emails, but specifically for your coding tasks. This ensures that you're aware of any new code additions, allowing everyone to stay on course! Before you begin coding, make sure everyone knows their role. Assign specific tasks like Feature A to Member A and Feature B to Member B. But that's just the start—keeping track of progress matters. Using a WhatsApp group can be a game-changer. Share updates on how your tasks are going, ask questions, and keep the chat buzzing. It's vital that everyone joins in. We all have that friend (or sometimes we're that friend!) who reads messages but stays silent. Let's encourage everyone to keep the conversation alive. The coding adventure had a little hiccup once.

Picture this: I fetched some code, and suddenly, my masterpiece vanished! Someone else's new stuff replaced mine, and I couldn't turn back time to save it. Sadly, my Git skills weren't superhero-level for this rescue.

### The tip?

Always save your code changes before grabbing new stuff from the repository. It's like strapping a seat belt onto your code—safety-first! Staying in the loop about what your team is doing is super important when coding together. Sometimes, you might accidentally write the same code someone else did, but they didn't share it yet. We faced this issue when someone finished their part but we didn't know about it. Here, We've cooked up a special recipe to handle those pesky code issues—our 'Timely Code Review' setup. When a team member finishes their feature, we gather





instantly. But hold on, it's not your usual boring meeting! We dive deep into every bit of code, testing, fixing bugs, and tidying up. It's like a feast for code lovers! And we make those changes right there, ensuring the new code fits perfectly into our main stash.

## Software Development Team

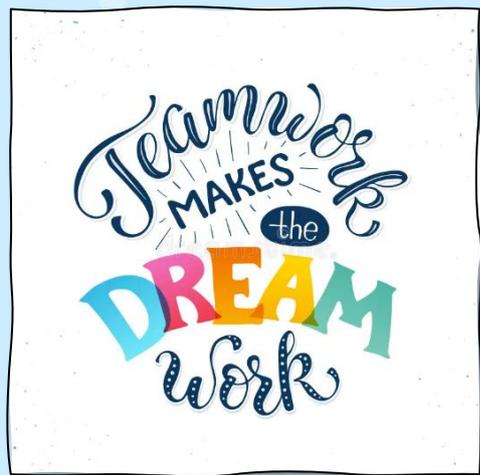


Oh, and amidst that, we dish out new tasks to keep the team rolling. Might seem time-consuming, but trust me, it's way better than dealing with broken the code for the ages! Like elephants sticking to land and tigers sticking to meat, they know each other's strengths. We took a cue from them for our team setup. We split tasks—some tackle the backend, others focus on the frontend and animations. Everyone had their

specialty, but even if you're a backend wizard, you can't overlook the frontend's tune! In software, it's about bringing things together. If you're coding an API, understand how that data appears on the screen (frontend). Similarly, frontend folks must get how the animations fit into their code. Assign different roles, but ensure everyone knows a bit about all areas.



Trust, it's more than just a word. It's the cornerstone of successful teamwork. Sometimes, we cling onto tasks, believing no one can handle them better than us. But in doing so, we're deceiving ourselves. It piles the weight on our shoulders, creates divides within the team. While some toil tirelessly, others are left waiting or simply sitting idle, hampering productivity and stretching out the software-building timeline. Even if a teammate isn't an expert in a certain area, allowing them to dive in, learn, and grow is crucial. It's about continuous guidance, sharing resources, fixing mistakes together. That's the secret sauce for everyone to learn, grow, and craft a stellar piece of software that users will adore.





# Introducing "Innovate & Elevate": Your Ideas, Our Spotlight!

We're excited to introduce "Innovate & Elevate," a new section in our upcoming magazines just for you! Here, we're putting the spotlight on your ideas and projects.

## Why "Innovate & Elevate"?

Think of it as more than just a spotlight – it's a platform to showcase your ideas. "Innovate & Elevate" is here to give your creativity a boost.

## What Can You Share?

The possibilities are endless. Here are some ideas to get you started:

1. **Project Stories:** Share your coding adventures and unique projects.
2. **Tech Tips:** Have a handy coding trick or tool? Share it with the community.
3. **Success Stories:** Overcame a tough coding challenge? Share your victories.
4. **Tech Trends:** Excited about the latest tech trends? Tell us about it!

**Scan the QR code to submit your content:**

## How to Get Featured:

1. **Pitch Your Idea:** Reach out with your idea for "Innovate & Elevate." No idea is too small!
2. **Create Your Feature:** Once approved, put together your feature. Add pictures, code snippets – make it yours.
3. **Inspire Others:** Your feature isn't just a story; it's an inspiration for others in our tech community.

## Conclusion:

"Innovate & Elevate" is your chance to shine. We're turning the spotlight on your fantastic ideas. Get ready to share, inspire, and let your creativity take center stage!

Ready to share your ideas? Your spotlight is waiting.





# Google Solution Challenge 2024 Event Highlights!

Hello tech fans! On December 18, 2023, the GDSC team at Atmiya University hosted a fun-filled event. With 36 students in tow, we explored the Google Solution Challenge 2024.

For those wondering, this challenge lets us use tech to solve real problems. The 2024 Solution Challenge aims to tackle the United Nations' 17 goals using Google tech, uniting GDSC members globally since 2020. Cool, right?

Our event was a mix of learning and laughter. As we talked about the challenge, we shared jokes, stories, and tech insights that got everyone engaged.

Scan the QR below & Checkout the website!



The GDSC-AU website is a tech enthusiast's paradise! Here, users can immerse themselves in a vibrant community experience by creating specialized hubs for various technologies such as Flutter, React, AI/ML, and more.

Within these digital spaces, they can engage in lively discussions, exchange ideas, seek advice, and even share their favorite tech memes! It's a collaborative platform that fosters learning and networking among tech enthusiasts.





But that's not all! Our website isn't just about these bustling communities; it's a comprehensive information hub for our GDSC chapter. Visitors can easily access updates on our upcoming events, discover insights into our chapter's initiatives, and stay in the loop with the latest tech trends. Whether it's finding resources, seeking guidance, or connecting with fellow tech enthusiasts, the "Meet the GDSC - AU" website is the go-to destination!

Also, we introduced our first GDSC - AU magazine. It's filled with tech tips, stories, and some fun moments from the event.

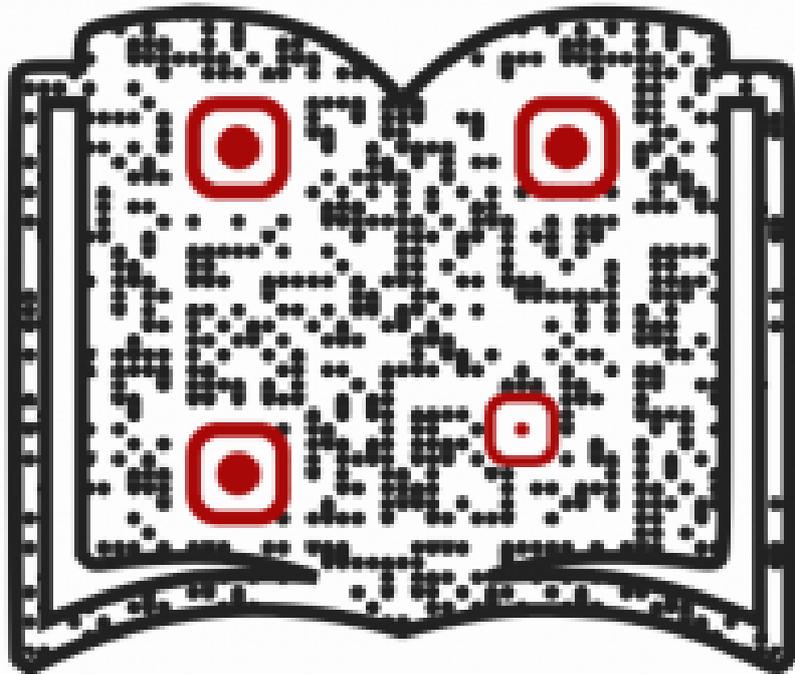
**Quickly scan the QR Code below and Checkout!**



**Big thanks to our 36 attendees! Your energy made the day special. Looking forward to more fun and tech talks! 🎉🔧**



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Magazine  
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# CATCH US AT...



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Join the club from the  
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## Community Partners



# TECH TALES

DIVERSE MINDS,  
SHARED STORIES

**MAY  
2024**

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# BEYOND IRON MAN: UNVEILING

## EMBEDDED SYSTEMS

- By Brijraj Kacha, AI/ML Lead

**H**aah! Finally, summer has arrived. The season of vacations, the season of mangoes and melons. It's nice to see all you Tech Tales readers after such a long time. Obviously, summer comes with a bunch of holidays and enjoyments. It sounds too good when we think of running a fan overhead, having lemonade, and enjoying a movie like The Iron Man. Yes, most of you will also be fans of Iron Man like me. I don't watch many movies, but during one summer of my school time, one friend showed me that movie, and I found the character as hot as summer, all because of his cool technologies.

Oh wait, why am I discussing that here? Nah, not in a flow-flow, but I did it intentionally. As we become mature, we start living and working for dreams instead of just dreaming them. Sometimes we get fascinated by something, and that touches our heart. When I watched Iron Man, it happened to me as well. Again, it was during summer. I had started surfing YouTube by typing "How to make Iron Man?", "How to make an arc reactor?" and so on. Yes, I know it feels like we were kids in those days! Sounds funny! I watched many scam videos claiming to make free electricity from magnets with titles like "The Real Arc Reactor DIY - 100% working". I blindly tried a few of them, but none of them worked. It made me even more curious. Then, I started learning from the basics, like what are the forms of energy actually? How does magnetism work? And so on. Knowingly or unknowingly, I jumped into the world of Embedded Systems.

Ummm... Embedded Systems? What's that? Let's use Iron Man's suit as an example. In the Iron Man movies, Tony Stark's suit is equipped with all sorts of amazing features, like flight capability, weapons, and advanced

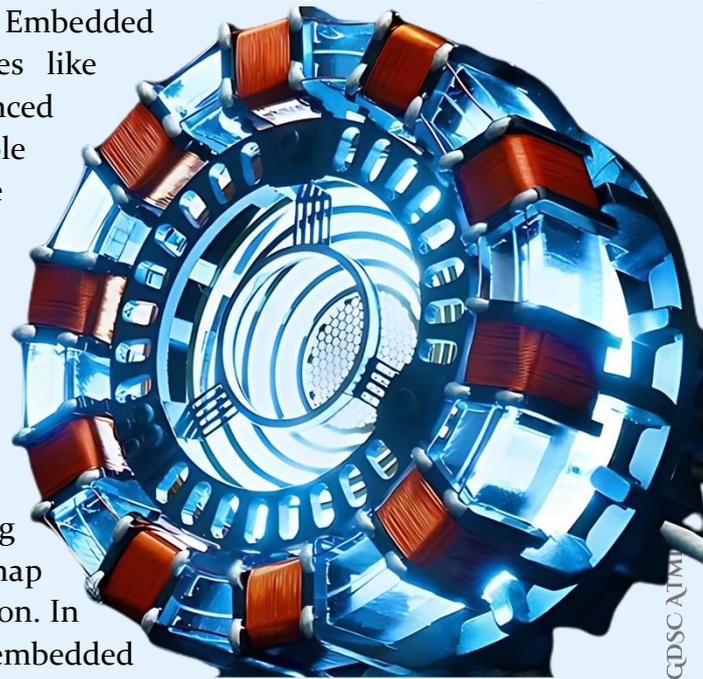


sensors. All of these features need to be controlled and managed, and that's where embedded systems come into play. Think of the embedded systems in Iron Man's suit as the brains behind its operation. Each feature, like the repulsor beams or the heads-up display, is controlled by a small computer embedded within the suit. These embedded systems receive input from Tony Stark's movements and commands, process that information, and then activate the appropriate features. For example, when Tony wants to fire his repulsor beams, the embedded system responsible for controlling them interprets his hand movements and triggers the necessary mechanisms to make it happen. So, in the context of Iron Man's suit, embedded systems are the hidden computers that make all the incredible functions possible, allowing Tony Stark to become the superhero we know and love.

To sum up, an embedded system is a specialized computer system designed to perform specific tasks within a larger device or system. It consists of microcontrollers or microprocessors that are programmed to control and manage various functions, such as processing data, interfacing with sensors and actuators, and executing commands. Embedded systems are commonly found in everyday devices like microwaves, cars, and smartphones, as well as in advanced applications like Iron Man's suit. They play a crucial role in enabling the functionality and automation of these devices and systems, making them smarter, more efficient, and more responsive to user input.

And yes, that is the point of discussion here. We often get fascinated by things, but at times, we don't know exactly what to do and where to start. We just do whatever we feel is right blindly, like I was surfing uselessly on the internet. It is required to have a roadmap to follow and a flow to maintain to reach the destination. In the first 2 to 3 years, I didn't have an idea about embedded systems and hadn't even heard the word. But by learning things, making relevant stuff, I got the correct roadmap and path for Embedded Systems. As time went by, Iron Man became just an igniting and entertaining character for me, and I got to know the real power of embedded systems.

I am sure that many of you will also be thriving for similar things. From the club community, I have also met many learners seeking the right path to start and follow to learn embedded systems. I would say it is a step-by-step learning journey to become an Iron Man of dreams! I am not an expert on that, but yes, I am an active learner. And that's why I am sharing a roadmap

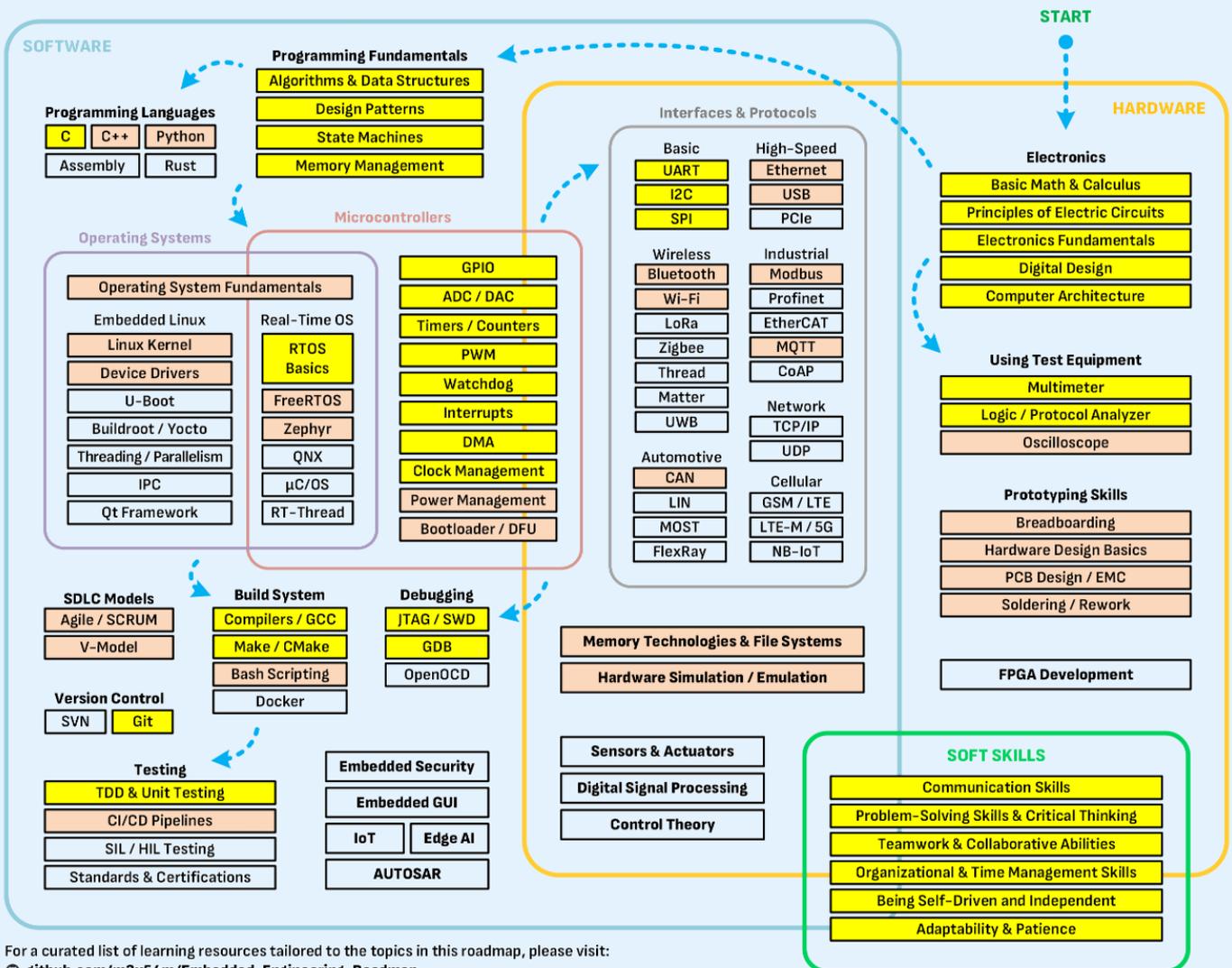


to learn embedded systems from the very beginning. There can be multiple good paths, but from my insights, I felt it as a perfect one to follow. And, here you go...

## EMBEDDED SYSTEMS ENGINEERING ROADMAP

**Required**    **Recommended**    **Possibilities**

⚠️ These colors indicate the average importance of each topic. It should be noted that the importance of a topic can vary among different industries and job roles.



For a curated list of learning resources tailored to the topics in this roadmap, please visit:

🔗 [github.com/m3y54m/Embedded-Engineering-Roadmap](https://github.com/m3y54m/Embedded-Engineering-Roadmap)

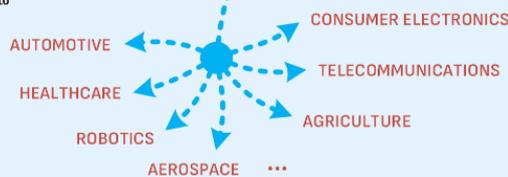


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Creator & Maintainer: Meysam Parvizi

Last Update: 2023-12-23

Revision: v1.2.3



Just follow a perfect schedule, start learning the things you love by heart. The daily small learnings will definitely take you to the destination. Yes, embedded is all about Hardware + Software. You will need to purchase hardware too for that, but there are many software-based and cloud-based platforms available to practice hardware circuitries like Multi Sim, Tinker-Cad, Fritzing, KiCad and many more. Remember that dreams always fascinate us, but for satisfaction, you will have to journey towards your dreams. And one day, you will become what you have dreamed of! Nope, I am not talking about a character, but the characteristics. With that, wishing you all a happy summer and happy learning. This is Brijraj Kacha (VU2AXQ), signing off.

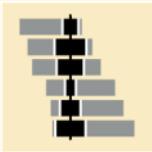
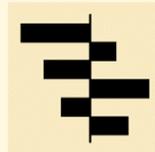
# BEYOND BAR CHARTS:

## EXPLORING THE WORLD OF DATA VISUALIZATION

- By Birva Dave, GDSC Lead

### Diverging Bar:

A simple standard bar chart that can handle both negative and positive magnitude values.



### Diverging Stacked Bar:

Perfect for presenting survey results which involve sentiment (e.g. disagree/neutral/ agree).

### Spine:

Splits a single value into two contrasting components (e.g. male/female).



### Surplus/deficit filled line:

The shaded area of these charts allows a balance to be shown either against a baseline or between two series.



### *Deviation*

- Emphasise variations (+/-) from a fixed reference point.
- Typically, the reference point is zero but it can also be a target or a long-term average.
- Deviation from a reference point is a common method to indicate how much a value differs from an expected or average value.
- Can also be used to show sentiment
- (+ve/Neutral/-ve).
- Example: Trade surplus /deficit, climate change

## Correlation

- Show the relationship between two or more variables.
- Correlation can range from -1 to 1, where -1 indicates a perfect negative correlation (as one variable increases, the other decreases), 0 indicates no correlation, and 1 indicates a perfect positive correlation (as one variable increases, the other also increases).
- Correlation does not imply causation; it only indicates the strength and direction of the relationship between variables.
  - Example: Inflation and unemployment, income and life expectancy

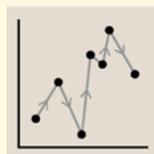


### Scatterplot:

The standard way to show the relationship between two continuous variables, each of which has its own axis.

### Column + Line Timeline:

A good way of showing the relationship between an amount (columns) and a rate (line).

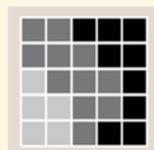


### Connected Scatterplot:

Usually used to show how the relationship between 2 variables has changed over time.

### Bubble Chart:

Like a scatterplot, but adds additional detail by sizing the circles according to a third variable.



### XY Heatmap:

A good way of showing the patterns between 2 categories of data, less effective at showing fine differences in amounts.

**Ordered Bar:**

Standard bar charts display the ranks of values much more easily when sorted into order.

**Ordered Column:**

Perfect for presenting survey results which involve sentiment (e.g. disagree/neutral/ agree).

**Ordered Proportional Symbol:**

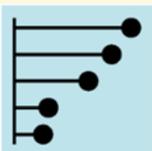
Use when there are big variations between values and/or seeing fine differences between data is not so important.

**Slope:**

Perfect for showing how ranks have changed over time or vary between categories.

**Lollipop:**

Lollipops draw more attention to the data value than standard bar/column and can also show rank and value effectively.

*Ranking*

- Use where an item's position in an ordered list is more important than its absolute or relative value.
- Don't be afraid to highlight the points of interest.
- Ranking is often used to compare and prioritize items based on a specific criterion, such as performance, size, or importance.
- It can help identify top performers, highlight areas needing improvement, or establish a hierarchy within a group of items.
- Example: Wealth, deprivation, league tables, constituency election

## Distribution

- Show values in a dataset and how often they occur. The shape (or 'skew') of a distribution can be a memorable way of highlighting the lack of uniformity or equality in the data.
- Distribution can provide insights into the spread or concentration of values within a dataset, helping to identify patterns or outliers.
- It can also be used to compare different groups or categories within the dataset, highlighting disparities or trends.
- Example: Income distribution, population (age/sex) distribution, revealing inequality

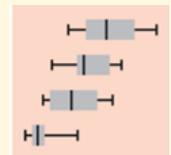


### Histogram:

The standard way to show a statistical distribution - keep the gaps between columns small to highlight the 'shape' of the data.

### Box Plot:

Summarise multiple distributions by showing the median (centre) and range of the data.

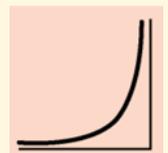


### Violin Plot:

Similar to a box plot but more effective with complex distributions (data that cannot be summarised with simple average).

### Cumulative curve:

A good way of showing how unequal a distribution is: y axis is always cumulative frequency; x axis is always a measure.

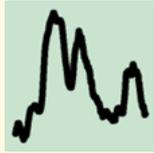


### Frequency polygons:

For displaying multiple distributions of data. Like a regular line chart, best limited to a maximum of 3 or 4 datasets.

**Line:**

The standard way to show a changing time series. If data are irregular, consider markers to represent data points.

**Column:**

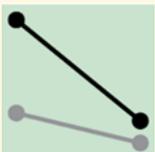
Columns work well for showing change over time but usually best with only one series of data at a time.

**Column + Line Timeline:**

A good way of showing the relationship between an amount (columns) and a rate (line).

**Slope:**

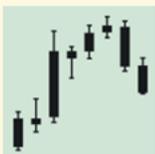
Perfect for showing how ranks have changed over time or vary between categories.

**Area chart:**

Use with care - these are good at showing changes to total, but seeing change in components can be very difficult.

**Candlestick:**

Usually focused on day-to-day activity, these charts show opening/closing and high/low points of each day.

*Change Over Time*

- Give emphasis to changing trends.
- movements or extended series traversing decades or centuries:
  - These can be short (intra-day) Choosing the correct time period is important to provide suitable context for the reader.
  - Change over time analysis can reveal patterns, cycles, or trends that might not be apparent when looking at individual data points.
  - It is important to consider the time scale when analysing change over time, as different time periods can lead to different interpretations of the data.
  - Example: Share price movements, economic time series, sectoral changes in a market

## Magnitude

- Show size comparisons. These can be relative (just being able to see larger/bigger) or absolute (need to see fine differences).
- Usually these show a 'counted' number (for example, barrels, dollars or people) rather than a calculated rate or per cent.
- Magnitude comparisons can highlight the scale or extent of phenomena, facilitating understanding of the relative importance of different elements within a dataset.
- They can also help in decision-making processes by providing a clear visual representation of the size differences between various entities or quantities.
- Example: Commodity production, market capitalisation, volumes in general



### Column:

Columns work well for showing change over time but usually best with only one series of data at a time.

### Bar:

See above. Good when the data are not time series and labels have long category names.

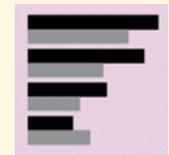


### Paired column:

As per standard column but allows for multiple series. Can become tricky to read with more than 2 series.

### Paired bar:

See above.



### Marimekko:

A good way of showing the size and proportion of data at the same time-as long as the data are not too complicated.

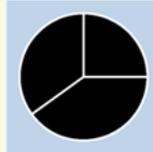
### Radar:

A space-efficient way of showing value of multiple variables-but make sure they are organised in a way that makes sense to reader.

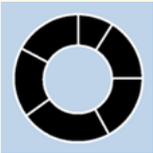


**Pie:**

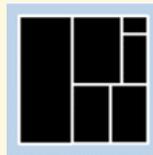
A common way of showing part-to-whole data-but be aware that it's difficult to accurately compare the size of the segments.

**Donut:**

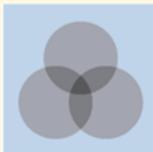
Similar to a pie chart - but the centre can be a good way of making space to include more information about the data (e.g. total).

**Treemap:**

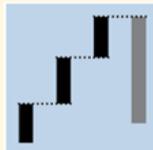
Use for hierarchical part-to-whole relationships: can be difficult to read when there are many small segments.

**Venn:**

Generally, only used for schematic representation.

**Waterfall:**

Can be useful for showing part-to-whole relationships where some of the components are negative.

*Part to Whole:*

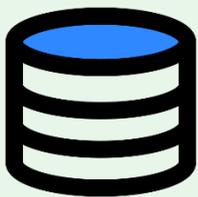
- Show how a single entity can be broken down into its component elements.
- If the reader's interest is solely in the size of the components, consider a magnitude-type chart instead.
- Part-to-whole relationships are useful for illustrating the composition or distribution of a whole entity into its constituent parts.
- These charts can help in understanding the relative importance or contribution of each part to the total, aiding in decision-making or analysis.
- Example: Fiscal budgets, company structures, national election results



# SQL FOR DATA ANALYSIS

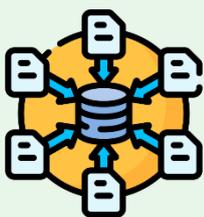
- By Rajveersinh Zala, Data Analyst Lead

SQL, or Structured Query Language, is the backbone of data analysis for numerous reasons. Here's why it's considered for anyone aspiring to excel in the field of data analysis, particularly in roles such as Data Analyst or Business Analyst:



**Universal Language for Data Retrieval and Manipulation:** SQL is the standard language used to communicate with relational databases. In the realm of data analysis, where data is often stored in databases, SQL serves as a common language that allows analysts to extract, manipulate, and manage data efficiently.

**Efficient Data Retrieval:** With SQL, analysts can write queries to retrieve specific subsets of data from large datasets quickly. This is crucial for tasks such as generating reports, conducting exploratory data analysis, and extracting insights from data.



**Data Transformation and Aggregation:** SQL provides powerful capabilities for transforming raw data into a format that's suitable for analysis. Analysts can use SQL functions and operations to aggregate, filter, join, and summarize data, enabling them to derive meaningful insights and make informed decisions.

**Integration with Analytical Tools:** Many analytical tools and platforms seamlessly integrate with SQL databases. By mastering SQL, analysts can leverage these tools to perform advanced analytics, predictive modeling, and machine learning on large datasets stored in databases.



**Standardized Skill for Interviews:** SQL proficiency is often a prerequisite for data analysis roles, and proficiency in SQL is frequently evaluated during job interviews. Candidates who demonstrate strong SQL skills are better equipped to handle the data-related challenges that arise in real-world scenarios.

**Enhanced Problem-Solving Abilities:** Learning SQL not only equips analysts with the technical skills needed to work with data but also fosters critical thinking and problem-solving abilities. Writing SQL queries requires understanding data structures, relationships, and logic, which are essential skills for effective data analysis.



*How much SQL is needed for Data Analyst or Business Analyst??*



The level of SQL proficiency required for data analysts or business analysts can vary depending on the specific job requirements and the complexity of the data analysis tasks involved. However, at a minimum, analysts should be proficient in:

Writing basic SQL queries to retrieve and filter data.  
Performing joins to combine data from multiple tables.

Aggregating data using functions like COUNT, SUM, AVG, etc.  
Filtering data based on specific criteria using WHERE clauses.

Understanding basic SQL syntax and concepts such as **SELECT**, **FROM**, **WHERE**, **GROUP BY**, **HAVING**, **ORDER BY**, etc.

Additionally, proficiency in more advanced SQL techniques, such as **views function**, **subqueries**, **window functions**, and **complex joins**, can greatly enhance an analyst's ability to tackle sophisticated data analysis tasks and extract deeper insights from data.



If you think you are proficient in using all manipulation techniques in SQL then here is the sample data and question and if you can answer this question then you are good to go with SQL.



[Dataset](https://www.kaggle.com/datasets/mexwell/famous-paintings). ( <https://www.kaggle.com/datasets/mexwell/famous-paintings>)

Here are the questions:

### Beginner Friendly...

1. Fetch all the paintings which are not displayed on any museums?
2. Are there museums without any paintings?
3. How many paintings have an asking price of more than their regular price?
4. Identify the paintings whose asking price is less than 50% of its regular price
5. Which Canva size costs the most?
6. Delete duplicate records from work, product, size, subject and image link tables
7. Identify the museums with invalid city information in the given dataset

### Intermediate level...

8. Museum Hours table has 1 invalid entry. Identify it and remove it.
9. Fetch the top 10 most famous painting subject
10. Identify the museums which are open on both Sunday and Monday. Display museum name, city.
11. How many museums are open every single day?
12. Which are the top 5 most popular museum? (Popularity is defined based on most no of paintings in a museum)
13. Who are the top 5 most popular artist? (Popularity is defined based on most no of paintings done by an artist)
14. Display the 3 least popular Canva sizes
15. Which Museum is open for the longest during a day. Display museum name, state and hours open and which day?

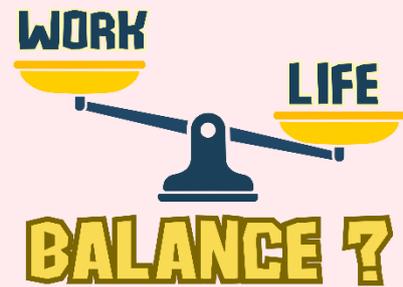
16. Which Museum has the most no of most popular painting style?
17. Identify the artists whose paintings are displayed in multiple countries.

Advance Level...

18. Display the country and the city with most no of museums. Output 2 separate columns to mention the city and country. If there are multiple value, separate them with comma.
19. Identify the artist and the museum where the most expensive and least expensive painting is placed. Display the artist's name, sale price, painting name, museum name, museum city and canvas label
20. Which country has the 5th highest no of paintings?
21. Which are the 3 most popular and 3 least popular painting styles?
22. Which artist has the most no of Portraits paintings outside USA? Display artist name, no of paintings and the artist nationality.

For any queries or solution contact me at [rajveertheanalyst@gmail.com](mailto:rajveertheanalyst@gmail.com)

# Do We REALLY Need a



- By Vivek Bopaliya, Web Dev Lead

Work-life balance. It has been very subjective topic from the very beginning. Most billionaire or some big shots in high-pressure jobs say you should focus only on work to succeed. But is that really good for you?

Let's say you work at fast-paced organization which requires long hrs and tight deadlines and frequent client meetings. You spend your  $\frac{3}{4}$  waking hrs thinking or doing the work. How is this going to affect you? At first, the idea of making money and moving up the career ladder might seem worth it. But eventually, you start missing out on important stuff in your personal life. As William Osler said "No man is really happy or safe without a hobby".

No man is really happy or safe without a hobby.

William Osler

☆ Favorite

*Sir William Osler, Mark E. Silverman, T.J. Murray, Charles S. Bryan, American College of Physicians--American Society of Internal Medicine (2003). "The Quotable Osler", p.181, ACP Press*

You might end up skipping time with your family, forgetting about hobbies, and not growing as a person. While you might get short-term rewards like money or promotions, in the long run, it can make you feel lonely and exhausted.

## *So how do we even maintain the work-life balance?*

maybe, Work-life balance doesn't mean that you equally give time to your personal life and your work on daily-basis. Here balance doesn't mean distributing time to both 50-50. NO! it cannot work like that. Sometimes work needs more attention, and that's okay. But it's important to know when to focus on your personal life too. When work is busy, give it more time. But when you can, take breaks to do things you love or be with family and friends.

Let's understand this by example:

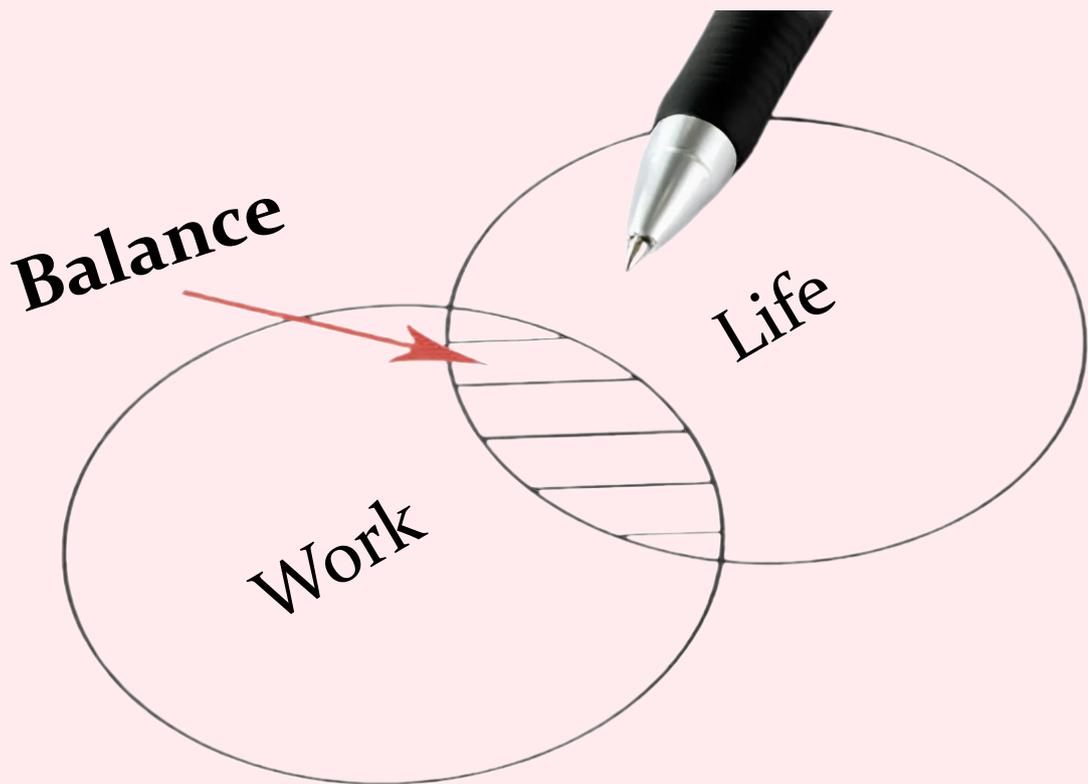


Remember when you were a child, you tended to love video games, watching TV, and playing cricket. Recall how you used to do all of them yet managed to get good grades. Right? We might have done that out of fear of our parents, but we, as kids, still managed our fun and grades. Let's break this

down. When exams were approaching, we used to be like, "Okay, now I will study for some days, once this exam is over, I will not even touch these damn books and play cricket all day," and exactly, we used to do just that. We never touched a cricket bat during exams and never touched books during vacation.

Work-life balance is just like that. Think of work-life balance like stacking blocks. If you can't divide them evenly, prioritize what's important at the moment. When work demands your attention, focus on it without worrying about missing out on personal life. Then, once work is sorted, dedicate a day or two to personal growth, ignoring work. This way, you can excel at both work and life as a whole person. Taking breaks from work gives you time to relax and think, which is important for coming up with new ideas and being creative. Doing things, you enjoy outside of work can help you see things from different angles, which can be helpful both at work and in your personal life.

Instead of seeing work and personal life as enemies, think of them as friends that can work together to make you happy. In the end, balance isn't about doing everything perfectly. It's about finding what works for you and making time for the things that make you feel good.



# HACKING 101 EVENT RECAP

- By Birva Dave, GDSC Lead

Hosted by the Google Developer Student Clubs (GDSC) at Atmiya University, "**Hacking 101: Ethical Exploration in Cybersecurity**" was a dynamic event held on January 11, 2024. Led by **Vivek Chandrasala**, a Cyber Crime Investigator, Cyber Security Researcher, and OSINT Expert, the event provided a comprehensive overview of hacking in the digital age.



Vivek's session was not only informative but also engaging, as he connected with participants through humour and memes. He included a special section for tasks, encouraging attendees to apply the concepts learned in real-time scenarios.



The event began with Vivek defining hacking and discussing the various types of hackers, emphasizing the skills and steps required to become an ethical hacker. This was followed by a practical demonstration featuring techniques like Google Dorking, Reconnaissance (RECON), and Open-Source Intelligence (OSINT), along with advice on protecting oneself from cyber threats.

With 71 participants in attendance, the event proved to be a valuable learning experience, equipping attendees with the knowledge and tools needed to navigate the world of cybersecurity.



# CODE CARNIVAL 2024: A NATIONAL-LEVEL HACKATHON

- By Brijraj Kacha, AI/ML Lead &  
Birva Dave, GDSC Lead

Following the resounding success of their inaugural hackathon in September 2023, the Google Developer Student Clubs (GDSC) at Atmiya University embarked on a new adventure with their second hackathon, Code Carnival. Held on March

participants and 160 teams from across the country.

The preparation for Code Carnival was no small feat, with the GDSC team taking on responsibilities ranging from budgeting to



2nd and 3rd, 2024, this national-level hackathon marked a significant milestone for Atmiya University, bringing together 525

hall decoration. Their hard work paid off, as the event saw an impressive turnout and a diverse array of participants. Of the 160

teams registered, 136 were shortlisted to compete in the 36-hour hackathon.

The shortlisted participants included a wide range of teams, showcasing the event's diverse appeal:

- 2 teams from outside Gujarat
- 9 teams from outside Rajkot
- 64 teams from outside Atmiya University
- 71 teams from Atmiya University

In terms of team size, the distribution was as follows:

- 84 teams with 4 members
- 31 teams with 3 members
- 11 teams with 2 members
- 7 teams with 1 member

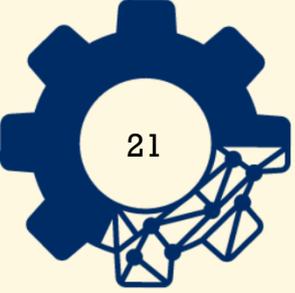
The teams tackled a total of 41 problem statements, spanning various domains such as education, health, cybercrime, and real-world challenges faced by ministries and industries.

Each team brought a unique approach to problem-solving, showcasing their creativity and technical prowess.

During the event, participants were treated to five meals and various activities, including a game zone, overnight canteens, and a Code Carnival selfie point. These added elements contributed to the vibrant atmosphere of the hackathon, fostering collaboration and camaraderie among participants.

Among the standout problem statements were the Student Portfolio Hub and Campus Event Planner, which garnered significant interest from the participating teams. Ultimately, it was the innovative solutions and tireless efforts of the participants that made Code Carnival 2024 a resounding success.

As the winners were announced and participants walked away with prizes and participation certificates, it was clear that Code Carnival had not just been a hackathon—it had been a celebration of creativity, collaboration, and innovation in the world of technology. The GDSC team at Atmiya University had once again set the stage for a memorable and impactful event, showcasing their dedication to fostering a culture of tech excellence.





# CODE CARNIVAL

# A Tale of



- By Rajveersinh Zala, Data Analyst Lead

Hey there! Let me tell you about my awesome experience at the Code Carnival. It was like a big coding party that lasted for 36 hours straight! But what made it super cool was how we used Excel to make everything run super smoothly.

## **Automated Data Integration:**



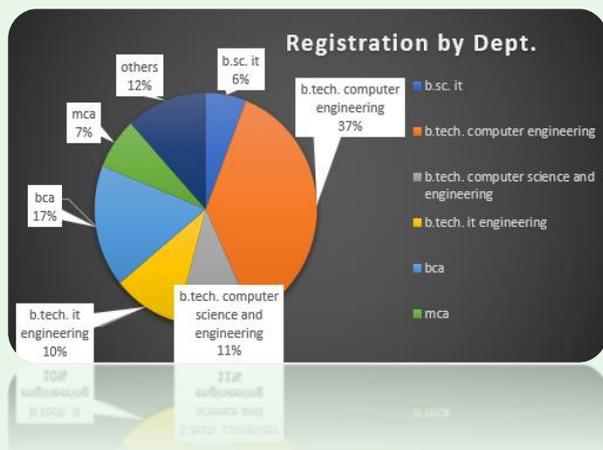
I've set up a connection between Excel and Google Forms. Now, whenever someone fills out the Google Form, all the data is automatically updated in the Excel sheet. This includes creating teams, selecting problem statements, and writing information about team members. Everything is seamlessly visible and updated in real-time within the Excel sheet.

## **Overcoming challenges in Registration:**

Some teams wanted to re-register after their initial registration due to changes in team members or problem statements. However, identifying these teams proved challenging because there were no unique keys. People used different email addresses for re-registration, making it difficult to track them using email IDs alone. The same issue applied to phone numbers. To address this, I attempted to match entries based on both email IDs and phone numbers, which helped resolve the problem.

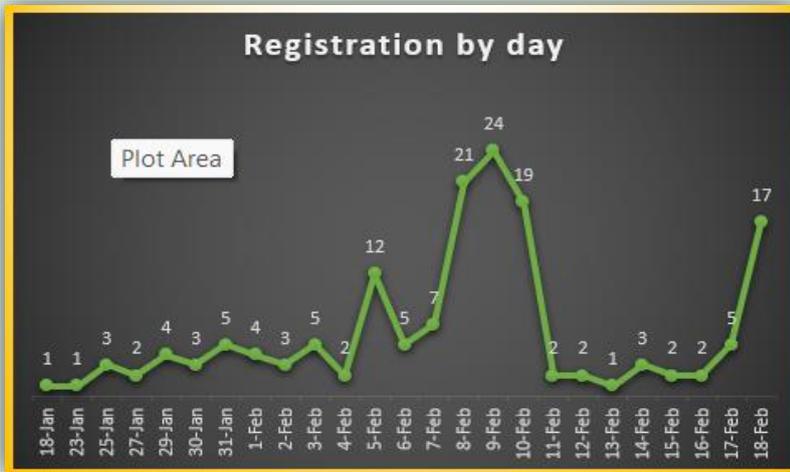


After realizing the need for a streamlined process for synopsis submission in hackathons, I created another connection with a Google Form to identify team leaders and approve their registrations. To simplify the process further, I developed a macro that integrated registration and synopsis submission into one seamless flow.



## **From data to Action:**

However, merely having data wasn't enough for meaningful insights. I wanted to transform this data into actionable knowledge. Thus, I built a dynamic dashboard that provides real-time insights without the need to dashboard offers a



variety of valuable insights, such as the total number of registrations with compared to completed synopses, along with the distribution of team sizes, the universities with the highest number of registrations, and the popularity of different problem statements.

This dashboard not only facilitates efficient allocation of resources but also provides a deeper understanding of participants' interests and preferences, allowing for more informed decision-making throughout the hackathon process.

### QR code fun:

To add some fun to the mix, I decided to play around with QR codes using an API. In a new sheet, I utilized a macro to organize all team leaders and their members along with their allocated IDs. These IDs were structured like "12.1" where "12" indicates the team number and ".1" signifies member 1 of that team. With this setup, I generated QR codes directly within Excel itself. Plus, it was all real-time, meaning that as registrations increased, team IDs and QR codes were automatically assigned to the teams. So, a person just has to scan a QR code which is present in its id card and his/her entry-exit is done and the interesting part is scan was done by my phone so everything was under budget and unique too.



There were many benefits of using excel in whole management system like:

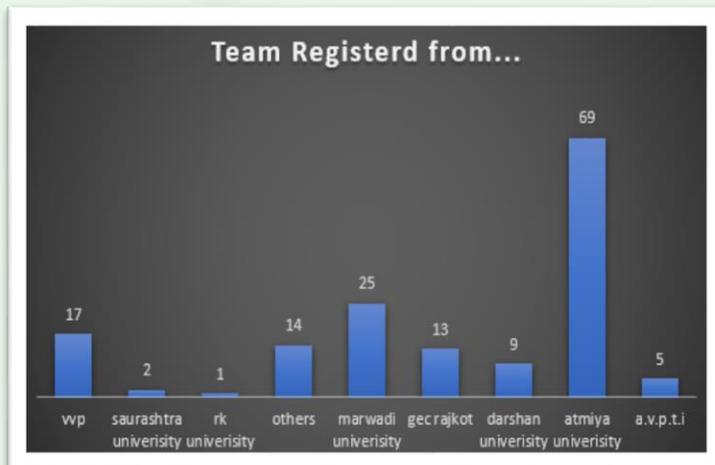
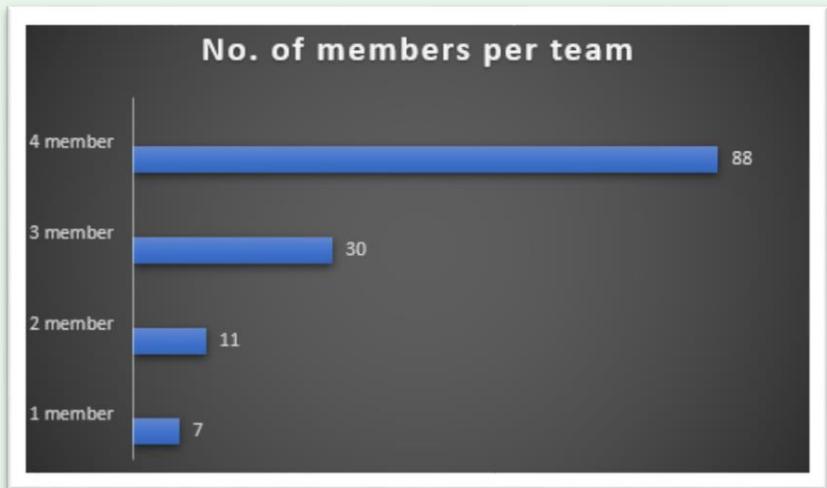


Sitting arrangement, we need to know right, how many teams with how many members are coming because we have limited space and we want everyone to get equal space for team of 2 people cannot have 4 seats or team

of 4 people cannot have 2 sets which need to be done accurately, and this is the problem of every small hackathon and every table have equal sists which was not a good approach and was solved by us.

As you have seen Certificates are hand written, I mean to say is Name of the person, its college and team ID is handwritten in

certificates, do you know why because there is the problem of lookups. For e.g.: Karan from Atmiya and Karan from Marvadi, we don't have unique values so in certificates if anything mismatch happens then whole certificate is disrupted so for only this reason certificates are handwritten but due to strong sense of data, I made the accuracy level so high that there was not a single person who got problem like this.



Along with it there were many runtime queries like giving details of top 15 team leaders and their ids.

Finding members who were out of

Gujarat, who were out of Rajkot, matching all the scanned ids to see if anyone hasn't return.



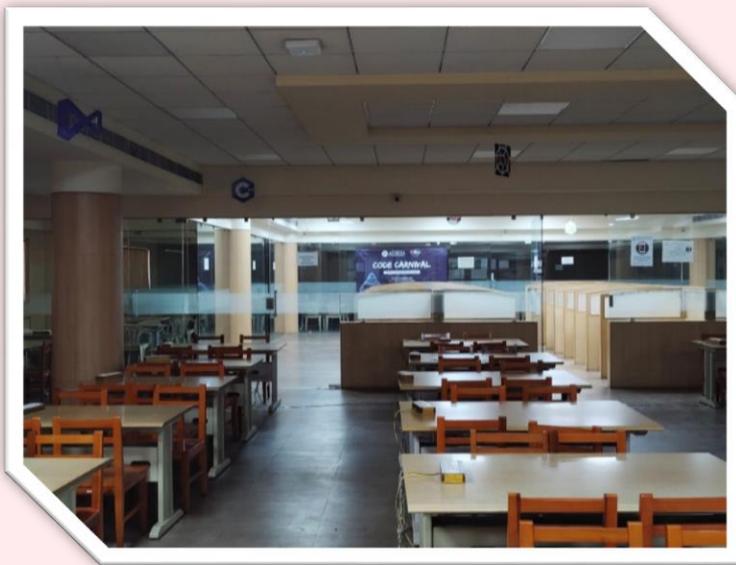
Sometimes things didn't go as planned, but because we had everything organized in

Excel, we could fix problems quickly. It was like having a superhero sidekick!

So yeah, that's how I used Excel to make the Code Carnival run smoothly. It was a blast, and I'm so glad I got to be a part of it!

# Behind the Scenes of CODE CARNIVAL

- By Vivek Bopaliya, Web Dev Lead



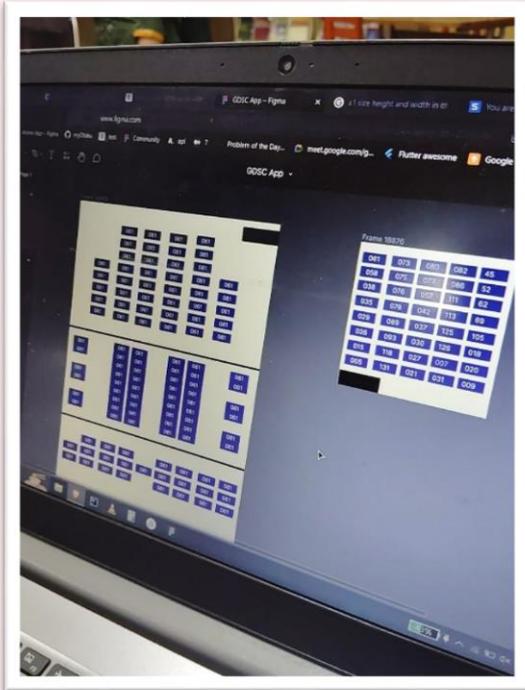
The planning for Atmiya's first big 36-hour hackathon started 1.5 months before the event. The team didn't start by choosing a place or deciding on prizes. Instead, they began by making a website for people to sign up. Sometimes, you have to believe in yourself and just start working. They got the website working in just two days. Behind the scenes, managing the sign-ups of more than 400 people on both the website and a Google Sheet was a big job.

Not many people knew, but there was a time when the details of the participants on the Google Sheet got leaked because the code was public on GitHub. Luckily, they managed to protect it again, but they didn't go back to check the website's code. This seems like a lot of work even before the hackathon started, right?

But the team kept facing challenges. They went to different colleges and classrooms within their own college to tell people about the hackathon.

Next, they started building a Mars rover robot. This task was especially hard. While building it, they accidentally damaged the batteries and had to replace them. Making a





robot that could be controlled by a gyroscope was tough and took a lot of work. They finished building the robot just one day before the hackathon, even though they started two weeks before the event.

Imagine the chaos of the final weeks leading up to the hackathon. The team scrambled to finalize details, running through checklists and troubleshooting last-minute hitches. The venue had to be set up to accommodate hundreds of eager participants, requiring dozens of computers, reliable internet access, and areas for teams to collaborate without interference. Catering arrangements were another hurdle, ensuring participants had enough fuel (food and drinks) to keep them going through the intense coding sessions that would span the night.

Moreover, securing judges who could fairly evaluate the hackathon projects added another layer of complexity. These judges had to be experts in their fields, capable of understanding the nuances of the projects being developed.

As the hackathon approached, the excitement was palpable, but so was the tension. The team had to deal with unexpected issues, like participants facing difficulties with the registration process on the newly made website or sudden changes in the availability of some key equipment for the Mars rover project.

Through all these challenges, the team learned valuable lessons about planning, teamwork, and the importance of flexibility. They became adept at solving problems on the fly and supporting each



other under pressure. The hackathon wasn't just a test of coding skills for the participants but also a test of resilience and determination for the organizers.

Such an event brings people together from various backgrounds, offering them a platform to share ideas, learn from one another, and create something innovative. The camaraderie and sense of accomplishment that comes from overcoming obstacles together is what makes hackathons like this one a memorable experience for everyone involved.

Kudos to everyone who have been involved in this event.



# *From Vision to Reality:*

## ***PEOPLE WHO MADE CODE CARNIVAL SHINE!***

- By Birva Dave, GDSC Lead &  
Brijraj Kacha, AI/ML Lead

As we wrap up an exhilarating journey of the Code Carnival, a National-level hackathon spanning a relentless 36 hours, it's imperative to extend our heartfelt gratitude to the pillars of support who made this event an astounding success.

First and foremost, our deepest appreciation goes to **P.P. Tyag Vallabh Swamiji, Vice Chancellor Shiv Tripathi, Pro Chancellor Sheela Ma'am, Pro Vice Chancellor Deshkar Sir, Registrar Dr. D.D. Vyas Sir, Director R.I.T. Dr. Ashish Kothari Sir, Dr. Hiren Kavathiya Sir**, GDSC Faculty Mentor **Dr. Ripal Ranpara**, and all esteemed members of the leadership teams and heads of the departments. Their unwavering support and motivation paved the way for the realization of this groundbreaking event.

A special acknowledgment is due to all faculty coordinators and the **Department of Civil Engineering team**, including **Janak Sir, Piyush Sir, Dr. Rupal Ma'am, Meera Ma'am, Anand Sir** and their team, whose collaborative efforts were instrumental in orchestrating the event seamlessly.

Heartfelt gratitude is also extended to the core team members of GDSC Atmiya University, whose dedication and tireless efforts furlled the success of the Code Carnival. Their commitment to excellence set the tone for an inspiring atmosphere throughout the hackathon.

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Together, you have all played an indispensable role in shaping this historic event, and we are immensely grateful for your contributions.

Thank you all for making the Code Carnival an unforgettable experience!

thank  
you



# Thank You

Thank you to all our amazing readers of Tech Tales by Google Developer Student Club at Atmiya University! We appreciate you being part of our community & your support has meant the world to us. Keep exploring, keep innovating, and stay tuned for more tech adventures!

~ Google Developer Student Clubs  
At Atmiya University

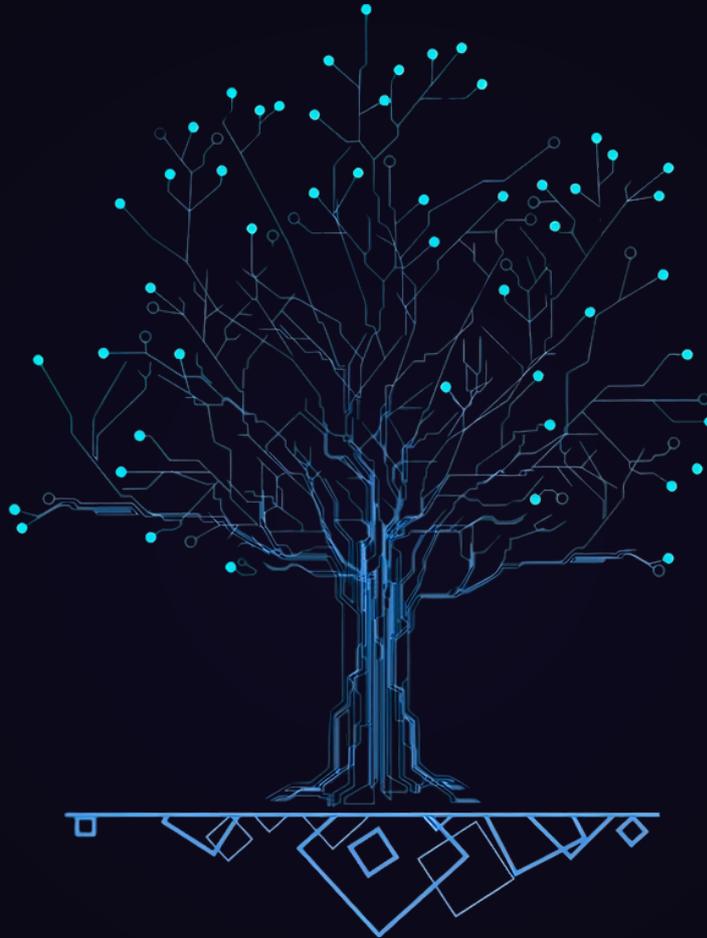






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