



# Codefest 2023

Second Edition | Largest Hackathon in Nepal

Provincial Level- Ideathon | National Level-Hackathon

## National Level Competition

Prepared by Code for Change



# Code for Change

“Code for Change” is a not for profit organization formed in collaboration with the students from various colleges around the country with an aim to bring the IT students and the industry professionals together. We believe that, the students should be provided with relevant skills to prepare them for their career. Realizing this fact, we have initiated “Code for Change” to provide platform and opportunities for them. In the past two years we have conducted nationwide hackthons, workshops and training program targeting the IT students.

## OUR VISION

"To be Nepal's largest platform for students pursuing the technology."

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## OUR MISSION

"To engage students in the problem-solving process while empowering personal and IT-driven professional skills through networking and exposure."

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# Youth Development Model

The Code for Change Youth Development Model is a unique model designed to aid in making the country digital by producing skilled and qualified HR in the domain of technology needed for the development of the government, the employment sector and as a whole the entire nation. Here, we create awareness about technology and generate interests in students to join the IT domain. Then will facilitate the process of getting enrolled into colleges for them. We provide a space to these students to then join the network of Code for Change where they can grow personally and professionally. Finally, we will set them off with a placement into companies for their future security.

We have been working with this framework since the past two years.

## Phase 1: Creating awareness of Technology

### Target Audience

School students, +2 Students, General Public of Nepal

### Activities

National Social Impact Events for Awareness about the proper use of technology. To steer the citizens of Nepal towards being more tech-friendly for the benefit of themselves, the government, the employment sector and as a whole the entire nation.

## Phase 2: Entering into the domain of Technology

### Target Audience

+2 Graduates

### Activities

CFC Entrance Preparation Book, Mock Tests and Consultancy spaces for authentic source of information, to provide practical and interactive learning experience and for a proper guidance to make the right decision for the students bachelor degree.

## Phase 3: Personal and Professional development in CFC

### Target Audience

Bachelor Students in the field of Technology

### Activities

Workshops, events, training sessions, national networking and collaborations and practical learning experiences to develop personal and professional skills for students to make them equipped with everything required to excel in today's market.

## Phase 4: Professional Career Phase

### Target Audience

Bachelor Students and graduates

### Activities

Placement Opportunities to students in our network in different companies for the security of their future career.

# About

## Codefest 2023

Codefest 2023, organized by Code for Change, is the second edition of the biggest Hackathon in Nepal, which intends to build a technological solution for any of the selected 7 SDGs viz. SDG 3,4,5,9,11,13, and 16 , by the students pursuing bachelors in technology in Nepal.

It is a dynamic event in which students who are highly interested in IT can learn new concepts, discover new ideas and garner knowledge in the domain of technology which will help them boost their interest and confidence in technology and help them shape their future in this exciting field.

This event is a non commercial , sponsor funded and unbiased common ground for the tech enthusiast students.



### Vision

To provide a platform to transform the ideas into reality, of the students pursuing technology around the nation.

- To boost inspiration, innovation, creativity, and productivity among the tech students of Nepal.
- To develop technological solutions for the problems related to SDGs.
- To promote creativity, teamwork, and coding culture.
- To provide networking as well as exposure opportunity to the tech students from all around the nation.

### Objectives

### Target Students

All the students pursuing Bachelor's in the technology domain, in Nepal (**Expected Number of Participants = 1000**)



# Event Timeline

<b>AUGUST 13</b>	<b>VOLUNTEER ORIENTATION</b>
<b>AUGUST 20 - SEPT 15</b>	<b>MAKING VIDEO, REGISTRATION, BANNER DESIGN AND PRINT</b>
<b>SEPT 21 - SEPT 28</b>	<b>PROVINCIAL LEVEL EVENT EXECUTION</b>
<b>SEPT 28 - OCT 5</b>	<b>GAP BEFORE FINALE</b>
<b>OCT 9, 10, 11</b>	<b>CODEFEST 2023 GRAND FINALE</b>
<b>OCT 12 - OCT 15</b>	<b>POST-EVENT WORK</b>

**TOTAL EVENT TIME PERIOD - 3 MONTHS**



# Event Execution

The event will be organized in two different phases.

- Teams can register representing their college or form team of individuals.
- Each team can have 2-4 members in it
- Teams will be competing with the ones from their province.

All the teams from a province will compete against each other and the winning team from each province will be selected for the National Competition(Finale).

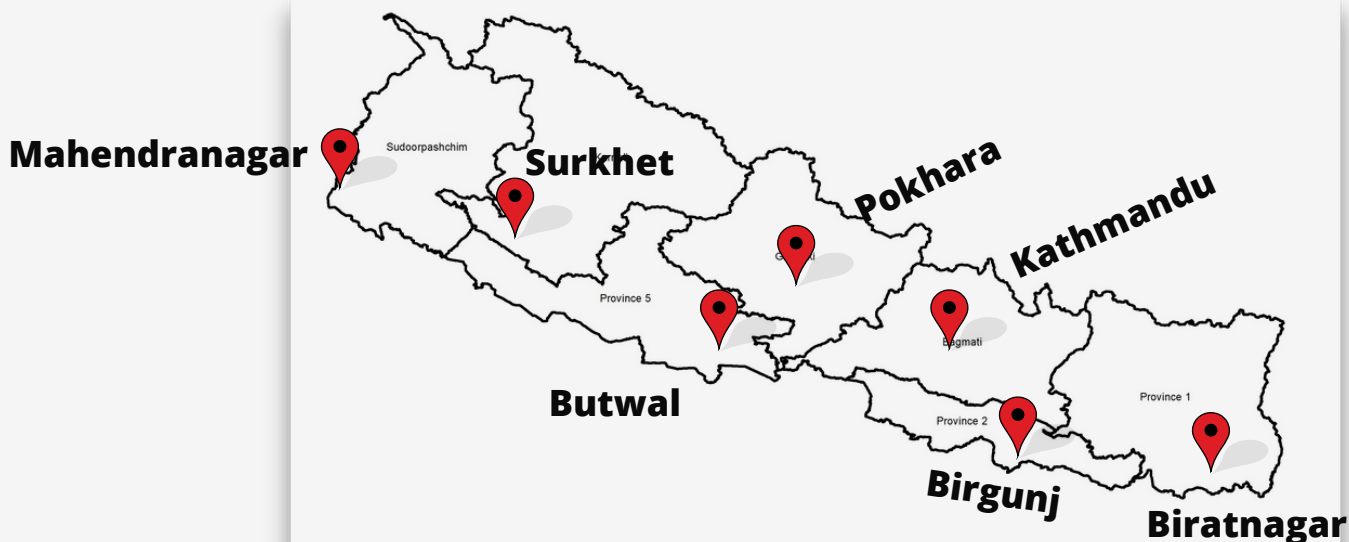
## Provincial level competition

## National level grand finale

At minimum one winner from each province (making it 7 (min.) ) will compete against each other in the Grand Finale ,which will take place in the capital city of Nepal, Kathmandu.

\* Number of finalists may vary based on the participation volume from each province.

## Provincial Event Location



# Event Theme

The CodeFest 2023 is based on the 7 out of 17 SDGs Sustainable Development Goals



Good health and well-being



Product may relate to mental or physical health, fitness, yoga, medical MS, healthy food, etc.

Quality Education



Product may relate to Online Learning Student MS, Online library, compare sites, Smart classroom, etc

Gender Equality



Product may relate to women empowerment platforms, gender related problem solving platforms.

Industry, Innovation and Infrastructure



Product may relate to startups like pathao, e-sewa, e-commerce site, Employee MS(attendance system), EmergencySystem.

Smart Cities



Product may relate to pollution meter ,traffic system, households MS, online transportaion, map management, tourism, waste management, community/culture

Climate Action



Product may relate to reuse/recycle, eco-friendly ideas, pollution tracker, climate awareness app, plastic use elimination.

Peace, Justice & Strong Institutions



Product may relate to Decentralized banking, anti-corruption, decentralized governance (blockchain), crime report app, etc.

# Event Execution





# Codefest modality & Marking Scheme



- The Provincial Level Competition will be conducted as per the theme of the Codefest Ideation. The competition will be conducted among teams of different educational institutions.



- For the National Grand Finale, the theme will be given to the provincial level winners, 3 days and 2 nights residential hackathon will be conducted.

## Marking Scheme

### Technology

The difficulty of Task (1-5 points)

Execution of the technology used (1-5 points)

### Community Impact

Research and Analysis (1-5 points)

Level of impact it can have on SDGs and society in general (1-5 points)

### Presentation

Information Communicated (1-5 points)

Quality of Delivery (1-5 points)

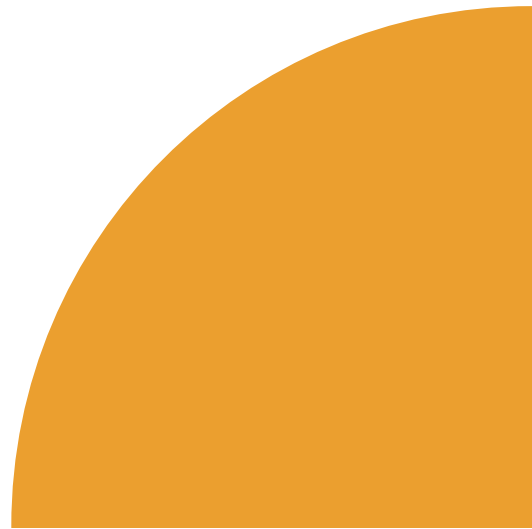
### Scope of Work

Breakdown of hypothetical budget and scope of work report (1-5 points)

### Total Team Score

The maximum score possible for each category will be the same.

Total Score = Technology + Community Impact + Presentation + Scope of Work



# Past Hackathons Glimpses

## Code for Change hackathon 2018

- 250 participants

This hackathon was the first-ever hackathon conducted by Code for Change and it was conducted in different IT colleges of Kathmandu then a grand finale was conducted to select an overall winner.



## Code for Change hackathon 2019

- 850 participants

This hackathon was the second interaction of the CFC hackathon conducted by Code for Change and it was conducted in different IT colleges of Kathmandu then a grand finale was conducted to select an overall winner. There were a two-day web-design workshop conducted in each college and an intra-college hackathon was held. The winners from all of the colleges were brought together for a grand finale which was conducted in Texas international college.





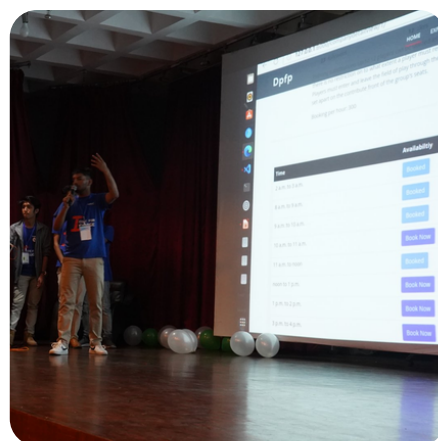
# Past Hackathons Glimpses

## Codefest 2022

- 104 Registered Teams | 400+ participants

8 teams were selected for the Grand Finale. The 48 hour long hackathon was scheduled for the date April 28 and April 29 at Texas International College.

The Award Ceremony for the grand finale of the biggest national level hackathon - CODEFEST2022 was organized on 30th April in Nepal Tourism Board's Hall.



# Codefest 2022 Winners and their Projects

## Winner: Team PWNED (Province 3)

### Team Members:

- Anukul Adhikari
- Bikalpa Sharma
- Laxman Bhushal
- Saurab Tharu



### Idea: Book Xchange (Share Books/Share Knowledge)

Team PWNED aimed to create a platform where the second-hand book could be shared with credit transactions. Their product, as the team states, is an attempt to democratise education with technology. They have a clear and simple work plan, that can be implemented without any complications, and be the next big thing.

**SDG:** 4 (Quality Education), 9 (Industry Innovation, and Infrastructure), and 13 (Climate Action)

## 1st Runnerup: PNC POKHARA (Province 4)

### Team Members:

- Aabiskar Dhungana
- Anjan Parajuli
- Bibek Acharya
- Sameer Shahi



### Idea: Digital PFP (Make futsal and Gym your Utility)

The team tried to bring a sole integrated system that had adequate information and digitizes the physical and fitness-related businesses. They aim to promote the health and sports sectors, by promoting the local business.

**SDG:** 3(Good Health and Well Being)

## 2nd Runnerup: Team YEN-TRA (Province 3)

### Team Members:

- Bhesh Raj Thapa
- Sujal Paudel

### Idea: RAD (Radiograph Abnormality Detection)

They tried to make the radiology services quicker, and enhance the accessibility. The team is planning to release the product by March 2023 if they get good technical and financial support.



**SDG:** 3 (Good Health and Well Being)



# Testimonials

## Testimonials from the Winners

Participating in the CodeFest hackathon last year was an exhilarating journey that pushed the boundaries of our teamwork and technical skills. Competing against formidable teams in the final event, we embarked on a rollercoaster of excitement and dedication. Through sleepless nights and relentless brainstorming sessions, our collective vision took shape. When the moment of truth arrived, the exhilaration was unparalleled as we were announced winners of the hackathon. The validation of our hard work came not just in the form of the substantial cash prize but also in the opportunities that followed. Today, three of us have secured rewarding **remote positions, reaping the benefits of our combined efforts and individual skills.** CodeFest not only reinforced our belief in the power of **collaboration but also catalyzed our careers, enabling us to thrive in positions that we had only dreamt of.**

- (Team PWNED) Winning Team



# Stats of Codefest 2022



**7**  
**Provinces**



**410 | 104 Teams**  
**Registration**



**8,000**  
**Registration link clicks**



**26**  
**Finalists**



**17**  
**Sponsors**



**70**  
**Volunteers**



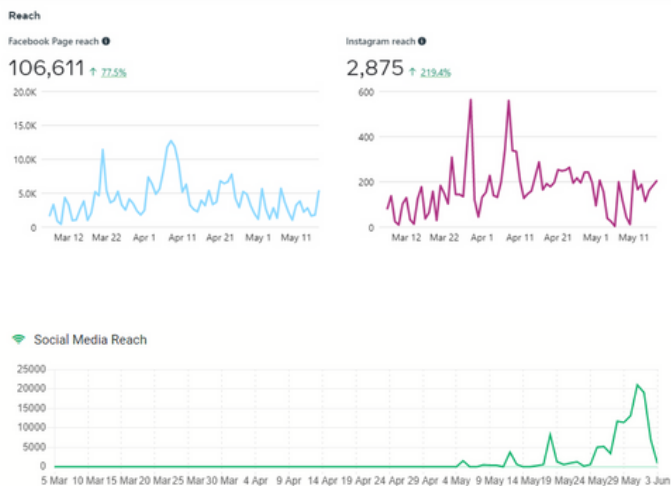
**30**  
**Partners**



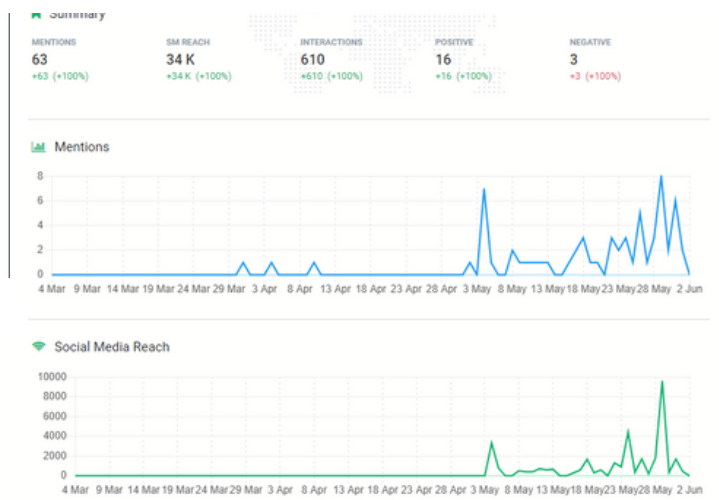
**13**  
**Mentors**



**10**  
**Judges**



Brand24 analysis of keyword "CodeforChange"



Brand24 analysis of keyword "Codefest2022"

# News Coverage of CodeFest 2022

कोड फर चेन्जले 'कोडफेस्ट' नामक हाकाथोना आयोजना गर्ने

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विगत ५ वर्ष देखि प्रतियोगी क्षेत्रमा विभिन्न किसिमका कार्यक्रमहरूको माध्यमबाट आएको कोड फर चेन्जले यस वर्ष पनि अर्को एउटा राष्ट्रिय स्तरको कार्यक्रम आयोजन

## Organizations/Companies we have worked with



## Colleges we have worked with (Kathmandu)





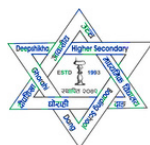
## Colleges we have worked with (Pokhara)



## Colleges we have worked with (Butwal and Chitwan)



## Colleges we have worked with (Dang)



## Why should you partner with us ?

We are a group of enthusiastic individuals in the process of digitalizing the nation by empowering young minds and creating a technological awareness in society. We are on a long journey of shaping a better Nepal and it is not possible without your support.

## Contact

Contact Person: Krishna Pd. Pokhrel

Phone Number: **+977 9847527533**

Email address: [codeforchangeofficial@gmail.com](mailto:codeforchangeofficial@gmail.com)

[krishnapokhrel1006@gmail.com](mailto:krishnapokhrel1006@gmail.com)

