

তথ্য প্রযুক্তি ইনস্টিটিউট
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নং : IIT/23/340



Institute of Information Technology
University of Dhaka
Dhaka-1000

তারিখ : 08 October 2023

Invitation Letter from IIT, DU

Dear Sir,

Greetings from the Institute of Information Technology (IIT), University of Dhaka. It is our honor to invite your esteemed department/university to join us at ITverse-2023, a distinguished event crafted to highlight the IT skills, creativity, and innovation of students hailing from universities across the nation.

The event is being organized by the IIT Software Engineers' Community (IITSEC). Since its inception, IITSEC has dedicated itself to creating an entrepreneurial and logical mindset and instilling a sense of ethical leadership among the students of different universities through various events.

In this context, we are proud to announce that we are continuing our legacy of "ITverse", an inter-university event, which is scheduled to take place this November.

Date: 2-5 November, 2023

Venue: Institute of Information Technology (IIT), University of Dhaka

Event Link: <https://tinyurl.com/itverse2023> [Cefalo presents ITverse 2023 | Facebook]

We hope that you will consider our invitation and that students of your institution will participate in the various events under ITverse.

Warm regards,

Professor Dr. B M Mainul Hossain
Director
Institute of Information and Technology
University of Dhaka



IITSEC IIT Software Engineers' Community presents ...

 **CEFALO**

 **VERSE**
2.0.2.3

Empowering smart and secure digital space

Event Brief

Event Name: "ITverse 2023- National IT Fest for University Students"

Organized by: IITSEC (Institute of Information Technology Software Engineers' Community)

Date: November 2-5

Venue: Institute of Information and Technology, University of Dhaka

Registration Link: <https://myeventspark.com/home>

Event link: [Cefalo presents ITverse 2023 | Facebook](#)

About ITverse 2023

ITverse-2023 is a national-level IT fest aimed at providing a platform for university students to showcase their skills, creativity and innovation in various segments of information technology. The event will span multiple days and feature exciting competitions, workshops, and opportunities for networking and learning.

"ITverse" is an idea generation competition, uniquely structured for the participants to analyze their ideas circulating through proper screening.

It is a one of a kind event due to its focusing on the participants creativity, logical thinking and ideation. "ITverse" gives a unique and all encompassing platform to undergraduate students to put their creativity to use and propel their cognitive growth in a structured manner.

Since its inception, "ITverse" aims at providing the young and aspiring undergraduates of the nation with a platform through which they can foster their ideas and creativity into concrete reality. "ITverse" aims to grow bigger and better every year through creating opportunities and our upcoming event "ITverse 2023" is the next step towards achieving this goal.

"ITverse 2023" offers lucrative segments that includes a Hackathon, Datathon, CTF (Capture The Flag), Software Project Showcasing, UI/UX design competition and a refactoring competition. All the events would be inter-University and there is a magnanimous amount of prize money to be awarded to the winning teams/participants.

To conclude, our vision is simply to uphold our legacy in its purest form, by establishing "ITverse" as the ingenuity competition of the country.

For more details regarding the event, please visit: <https://fb.me/e/1fU2ulRCm>

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Segment Elaboration

The segments of ITverse-2023 are-

1. HackTheVerse (Hackathon): The Hackathon segment of ITverse 2023 will challenge participants to demonstrate their problem-solving abilities, coding skills, and creativity. The teams will be given a specific problem statement related to their chosen category and will have a time frame of 24 hours to develop and present their solutions.

Categories:

- **DevOps Challenge (Mastering The Digital Flow):** The DevOps Challenge invites participants to showcase their development and operations expertise. In addition to crafting innovative applications, participants will undertake the exciting task of building a CI/CD pipeline. This encompasses deployment, integration, testing, and real-time monitoring. Participants will demonstrate their expertise in optimizing the software development lifecycle.
- **Open APIs Challenge (API Magic Unleashed):** In the Open APIs Challenge, participants are encouraged to harness the versatility of public APIs for inventive solutions. Tasks encompass leveraging APIs for data analytics, location-based services, or enhancing user experiences by integrating social media and other web services. This challenge inspires participants to creatively employ open APIs to address real-world challenges.
- **Blockchain Challenge (Building Tomorrow's Web Today):** The Blockchain Challenge immerses participants in the realm of Web3 and blockchain technologies. Their mission is to develop applications that embody the principles of decentralization, disintermediation, and transparency. This involves crafting Smart Contracts and user-friendly interfaces to interact with these contracts. Participants will explore the boundless potential of blockchain technology in forging the next wave of decentralized applications.

Team Requirements: 2-3 members per team consisting of undergraduate students from different universities.

Rulebook: <https://shorturl.at/ajpGT>

HackTheVerse Event Link: <https://fb.me/e/4SfjK1gdW>

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2. DataVerse Challenge (Datathon): During the Datathon, participants will be presented with a dataset. Their task will be to analyze the data, develop predictive models, and propose data-driven solutions to address the provided problem statements. This competition presents a fantastic opportunity to budding data enthusiasts to learn, collaborate, and showcase their skills.

Co-hosted by: Bengali.Ai

Platform: Kaggle Community Competition

Team Requirements: A team must consist of at most 3 members. The members of a team can be from different universities. Each team must have at least one undergraduate member, and they may also include up to one graduate participant (industry professional/senior member) if desired.

Rulebook: <https://shorturl.at/adfhl>

DataVerse Challenge Event Link: <https://fb.me/e/3ip0PYbV2>

3. Uxplorer Quest (UI/UX Design Contest): UI/UX is a major part of any software, specially those that require intensive user interaction. This contest gives the participants a unique opportunity to exhibit their design skills and creative flair.

Here's a brief overview for this segment:

- Total design period will be six hours
- The competitors can use either **Figma** or **Adobe XD** to create their designs
- Participants should submit a design document that includes:
 - Digital Wireframes & High-Fidelity Mockups
 - A Design Document (with color palette, typography etc.)

Team Requirements: A team must consist of at most 3 members. The members of a team can be from different universities. All participants must be currently pursuing their undergraduate degrees.

Rulebook: <https://shorturl.at/tHV16>

4. TechTales (Software Project Showcasing): This segment provides an opportunity for participants to exhibit their software projects, ranging from innovative mobile and web applications to complex enterprise solutions. Participants will have the chance to present their projects to industry professionals, potential employers, and fellow participants.

Brief overview for this segment:

- Each project should be accompanied by a detailed description, including its purpose, functionality, and technical aspects along with a business plan.
- Presentations can include live demos, videos, or slideshows.
- Projects will be evaluated based on their innovation, technical complexity, usability, and potential impact.

Team Requirements: A team must consist of at most 3 members. The members of a team can be from different universities. All participants must be currently pursuing their undergraduate degrees.

Participation Details: There will be an online selection round where teams have to submit their idea through video presentation (max 4 minutes), slides and software document. Selection rounds will be based on the submission.

Rulebook: <https://shorturl.at/ajkBZ>

5. CyberCrawlers (Capture The Flag): CTF is a cybersecurity competition that simulates real-world security challenges. Participants will face various tasks, including cryptography, web exploitation, reverse engineering, and more. The CTF segment aims to enhance participants' cybersecurity skills and awareness.

Here is a rundown of this FlagRush event:

- Each team will be provided with a series of security-related challenges to solve.
- The team that accumulates the most points by successfully completing challenges within the given time frame will be declared the winner.

Team Requirements: A team must consist of at most 4 members. The members of a team can be from different universities. All participants must be currently pursuing their undergraduate degrees.

Rulebook: <https://shorturl.at/qxNSW>

and last but not least, our very own -

6. Code Odyssey (Refactoring Competition): For this segment, a project will be provided to the participants in a secured format at the start of the event. The participants must submit their final solutions where they implement efficient design patterns and remove code smells, before the specified deadline.

Here are the event highlights for Code Odyssey:

- **Code Smell Detection-** An unclean and inefficient code will be given. Apply proper methods of refactoring to remove the existing code smells and make the code clean and readable.
- **Using Design Patterns-** Apply design patterns (creational, structural, behavioral) on the refactored code as per instructions.

Team Requirements: A team must consist of at most 3 members. The members of a team can be from different universities. All participants must be currently pursuing their undergraduate degrees.

Rulebook: <https://shorturl.at/bsyC1>

All these segments are designed to highlight the participants' ability to analyze complicated problems and generate unique and convenient solutions. With a focus on fostering collaboration and encouraging IT skill development, ITverse-2023 promises to be a memorable experience for all participants.

Overall Event Rules

- Participants must be currently enrolled university students from recognized institutions.
- Registration will be open for a specified period prior to the event.
- Each team can participate in multiple segments if they meet the eligibility criteria.
- Participants must adhere to the code of conduct and ethical standards throughout the event.
- Judges' decisions will be final and binding.
- Winners will be announced and awarded during a closing ceremony.

ITverse 2023 aims to provide a collaborative and inclusive environment, encouraging networking and knowledge sharing among participants. In addition to the competition segments, the event will also feature keynote speeches, panel discussions, and workshops conducted by industry experts and renowned academicians.

By organizing ITverse, IITSEC aspires to foster innovation, inspire young IT enthusiasts, and contribute to the overall growth and development of the IT ecosystem in the country.

Please feel free to contact us with any queries or confusions you may have. We appreciate your time and interest and look forward to engaging with you.

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Tentative Timeline

Segments	Registration Deadline	Preliminary Round	Result of Preliminary Round	Final Round
HackTheVerse (Hackathon)	15 October	25-26 October	27 October	3 November 10 am - 4 November 10 am
Dataverse Challenge (Datathon)	15 October	5 October(Starts)	2 November	5 November (Final Presentation)
TechTales (Software Project Showcasing)	15 October	26 October (Submission deadline)	27 October	5 November Sunday 9 am (Showcasing)
UXplorer Quest (UI/UX Design competition)	15 October	N/A	N/A	2 November
CyberCrawlers (CTF)	15 October	N/A	N/A	2 November
Code Odyssey (Refactoring competition)	15 October	N/A	N/A	4 November Saturday 8 AM - 2PM

IITSEC reserves the right to change dates when it deems necessary.

Institute of Information Technology, Suhrawardi Udyan Rd, Dhaka-1200

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