# CODEBLITZ-(Hackathon)

🌟 *Dive into the world of innovation and problem-solving with* ***CodeBlitz****! This event invites coding enthusiasts, developers, and creative minds to collaborate, ideate, and build groundbreaking solutions.* 🚀

**Participation limit:** Each **team** can have **maximum 2 participants.**

**Event Structure:**

**Hackathon(Online):**

- ***Objective****:* **Build a website** according to a **provided problem statement**.
- ***Rules****:*
  - The **problem statement** will be provided to the participants.
  - They will get **30 hrs to build the website**.
  - They will have to provide **an interesting UI/UX design**.
  - Specific pages need to be build **at given endpoints** as mentioned in **the problem statement**.
  - A **Github repository** would be created for this purpose, the participants **need to fork the repository** and generate **a pull request with the final solution**.
  - A **website-link** should also be mentioned in the **description of the pull request** as well as on their **own Github Profile**.
  - The **link should be of the website hosted** on any of the platforms **Netlify , Vercel, Heroku etc**.

**Prizes:**

- ***1st Position:*** **Prizes Worth ₹4000**
- ***2nd Position:*** **Prizes Worth ₹2000**
- ***3rd Position*****: Prizes Worth ₹1000**

**Registration Fees: ₹49 per participant**

🏆 *Join us at* ***CodeBlitz*** *for a thrilling journey of coding, collaboration, and creativity. Ignite your passion for technology, and let the digital innovation unfold, as we celebrate the brilliance of Civil Engineering knowledge* ***at Shilp, the annual fest of the Civil Engineering Department, IIT (BHU).***

# NEXUS-(ML Competition)

🌟 *Get ready to delve into the realms of data and algorithms with **Nexus**! Join us for a machine learning competition where participants explore, innovate, and demonstrate their mastery of cutting-edge ML techniques.* 🚀

**Participation limit:** Each **team** can have **maximum 2 participants**

**Event Structure:**

**Round 1: (Online) submission of model:**

- ***Objective**:* According to a **provided problem statement and dataset**, create a **machine learning model**.
- ***Rules**:*
  - Participants will be provided a **problem statement** and **a relevant dataset.**
  - They will have to utilize their **knowledge of ML** and **code an accurate model** covering **all aspects of the dataset**.
  - The **participants** are **free to use relevant technologies**, they will have to **test the model on a test dataset** after **model training**.
  - **Data cleaning and preprocessing** should be done efficiently.
  - A **google form will be circulated with a deadline**, participants will have to submit their **model files, the dataset after data cleaning** in the form with a **brief description** of their **solution** before the **deadline.**

**Round 2: Final Presentation Round(Offline):**

- ***Objective:*** **Participants** will be called **offline** to **present their solution** in **front of a panel**.
- ***Rules:***
    - A **time limit of 10 minutes** will be provided to **each team**.
    - Teams would be **judged** on their **implementation, cases covered, understanding of the problem statement and Overall idea**.
    - **Questions** will be asked to the participants based on **their solution by the panel**.
    - **Answers to the questions** asked will also be a **point of judgement.**

**Prizes:**

- ***1st Position:*** **Prizes Worth ₹4000**
- ***2nd Position:*** **Prizes Worth ₹2000**
- ***3rd Position:*** **Prizes Worth ₹1000**

**Registration Fees: ₹49 per participant**

🏆 *Join us at **Nexus**, where innovation meets machine learning. Unearth new possibilities, hone your skills, and showcase your talent in the evolving landscape of artificial intelligence, as we celebrate the brilliance of Civil Engineering knowledge **at Shilp, the annual fest of the Civil Engineering Department, IIT (BHU).***