



# RULEBOOK

# REVERSE ENGINEERING

5th April 2024, 1:15 PM to 2:45 PM

# ABOUT THE EVENT

Participants will be given an `Encoder.py` or `Encoder.cpp` and they'll be required to reverse-engineer the file.

They'll be expected to find a relationship between the input and output file and code a `decoder.py` file that takes in input (the output of `encoder.py`) and returns an output (the original input of `encoder.py`)

They'll have to submit their `decoder.py` on a website. If they pass the test cases, they'll be given a new `encoder.py` file.



# GAME RULES

1. Teams will be given an encoder file that takes an input, let's say X (can be in any format, might be a string, an excel file, a video, an image, or audio) and processes that input to return an output Y (again, this can be in any format, might be a string, an excel file, a video, an image, or audio).
2. Teams must craft a decoder program (in any language) that takes input Y (or similar file/input) and returns output X.
3. It won't be this simple, The event shall have lots of twists and turns. The event will not be based entirely on your coding skills. The event shall test your deductive skills and knowledge of different existing technical tools.
4. The encoder program file can contain the following languages: C++, and Python. However, there is no restriction to any coding language for the decoder file.
5. A team can have either 1 or 2 member(s).
6. Any college student is eligible to participate
7. Cross College Teams are allowed.
8. The decision of the organizing committee will be final.

# FAQs

**Q. How many members can participate from a team?**

**A. 1-2 Members are allowed per team.**

**Q. Do we need to bring our laptops?**

**A. Yes it is suggested to bring laptops.**

**Q. Which programming language will be used in the event?**

**A. Either C++ or Python will be used for the questions, However you can submit your answer in any programming language.**

**Q. Do we need to carry chargers or extension boards?**

**A. Yes, you need to carry your own laptop chargers, however we'll be providing the extension boards.**

**Q. Can we attend this event remotely?**

**A. No, you have to visit the SGU campus to attend the event.**

**Q. Can I use internet to search for basic syntax?**

**A. Yes, we will allow that.**

**Q. Can I use ChatGPT or bard to take help?**

**A. Absolutely Not, doing so will terminate your participation.**

# Contact Us!



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