DeKode: The cryptic war
Preparatory Material

Zeitgeist presents **DeKode**, a quintessential platform to test your lateral and logic aptitude. Here are the set of skills tested in this cryptic puzzle contest:

1. Lateral thinking
2. Deductive reasoning
3. Inductive reasoning
4. Pattern recognition
5. General knowledge*

And a bunch of other related skills!

* Clarification:
This point does not imply the event is a quiz contest. Some basic knowledge expected may include:
- Knowing the rules of games like chess and Sudoku
- Familiarity with terms like paradox, cipher, etc.
- Familiarity with mathematical concepts like permutation, discrete probability, etc.

The skills tested in this puzzle event are not of the category which can be expertized in a day or two; the knack of solving puzzles can only come with a lot of practice. Therefore, this is an event for all those who wish to develop on these skills or wish to test their cerebral matter against other individuals across the country.

Here are a bunch of puzzles to give you some flavor of the event:

- You and three of your friends are working in a multinational company. How can you four find out the average salary of you all without disclosing your own salary to the other three? Neither do your friends want to disclose their individual salary. You cannot use any external help involved, e.g. a computer or a fourth person.
- Consider all the natural numbers between 1 and 1 million. Among all these numbers, there is something very special about the number 8 and the number 2202. What is it?
- A famous mathematician walking on the road found a beautiful girl nearby. So he asked her "what is your name girl?". She recognizes him as a famous mathematician and replied him that her name is hidden in the date "19/09/2001" What was the name of the girl?
- You have a huge water tank and 2 jugs of capacity 11 liter and 6 liter. How can you measure exactly 9 liters?

If you enjoyed thinking over these puzzles, you are sure to enjoy **<u>DeKode</u>**!