

Activity based Summer Camps

Learning by Questioning

- 1- Students shall play various games and analyze strategies.
- 2- "Professionals play minimax"- a research paper on Game Theory of soccer penalty-shootouts.
- 3- Game Theory and Veerappan, a story from the book "Games Indians Play"
- 4- Negotiations, Conflicts, Collaborations shall be analyzed through the lens of game theory.
- 5- The programme fundamentally changes the way one looks at the world, with a sense of rationality.
- 6- Mechanism Design or Reverse Game Theory, with policy research as the core theme for discussion.
- 7- Game-Theoretic Analysis of Mahendra Singh Dhoni and his mind-games
- 8- The programme is an invitation to Mathematics, Strategy, and Philosophy.

Science Experiments and Research

- 1- Adulteration tests – Designing experiments to test the purity of raw materials.
- 2- Literature Review – How do you “stand on the shoulders of the giants”?
- 3- Experiment Design – Identifying the variables, measurable & plans
- 4- Documentation of Research – writing a research paper
- 5- Field Visit –Experiment execution after the 3-day camp, at a dairy/farm.
- 6- Socratic Dialogues – Research showcase at a competition

Social Experiments and Research

- 1- Very similar to “Science experiments and research” course, but deals with problems concerning human society or human behaviors.
- 2- Helps students in evolving scientific thinking skills- the ability to extract the right kind of data.
- 3- Helps students develop understand people centric problem solving and decision making.

Programme Framework

- All the summer camps are discussion/dialogue based.
- Students would be learning from activities, peer perspectives besides moderator’s questions.
- Each session is 2-3hrs long and students would get enough time to speak/share their ideas.
- Sciensation helps students in building on their ideas and in connecting the dots.
- Students shall receive a workbook and they shall write down their ideas in the workbook.
- The competitions culminate in a competition on June 24th 2018 at Sciensation Studio, Road no 11, Banjara Hills. This is a team based competition.
- Sciensation competition reward points for questions and answers, interesting wrong answers receive more credit than the so-called correct answers.
- The Winners of the competition shall compete with college students in the second round.