

## INSPINATURE

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### EVENT DESCRIPTION :

Luckily for us, our planet-mates--the fantastic meshwork of plants, animals, and microbes--have been patiently perfecting their wares since, an incredible 3.8 billion years since the first bacteria. In that time, life has learned to fly, circumnavigate the globe, live in the depths of the ocean and atop the highest peaks, craft miracle materials, light up the night, lasso the sun's energy, and build a self-reflective brain. Collectively, organisms have managed to turn rock and salted water into a life- friendly home, with steady temperatures and smoothly percolating cycles. In short, living things have done everything we want to do, without guzzling fossil fuel, polluting the planet, or mortgaging their future. What better models could there be for us looking for innovations in industries?

### FORMAT :

- It is an online event
- Consists of two rounds.
- Participants are required to make an abstract of less than 1000 words of their study and a brief introduction of their idea. Teams need to submit their **abstract by 10.02.2015**
- Shortlisted participants are required to work on their ideas and present it in the form of a presentation explaining their solutions in detail. The **presentation** should be submitted by **20.02.2015**

### RULES :

- The abstract cannot exceed 1000 words.
- The presentation cannot exceed 30 slides.

## JUDGING CRITERIA :

- Understanding of the bioprocess/design.
- Creativity/Innovation in the idea.
- Extent of development in the Idea.
- Potential for Impact.
- Scalability.
- Economic feasibility.
- Quality of presentation.

## PROBLEM STATEMENT :

- Nature has been used to inspire many engineering innovations. From the simple Velcro straps that we use to the winglets on the Airbus A380.
- Require students to come up with an inspiration from nature that is feasible, energy efficient, can be implemented in the real world that can make our lives better.
- The students are to work on their idea, analyze its pro's and con's, generate approximate statistics,(like energy consumed per hour, pollutants released per hour, etc. when it is implemented on a specified scale) and prepare a report/presentation based on their work.

## FAQ :

### 1. Is it maximum of 3 people or strictly a team of 3?

It's a maximum of 3. But no special credit for teams with lesser participants.

### 2. Are UG-PG collaboration teams, cross college teams allowed?

Yes

### 3. Is any registration fee required?

Nope. Except for registration in Pragyan No special fee is needed

**RESOURCES :**

[http://www.ted.com/talks/janine\\_benyus\\_biomimicry\\_in\\_action?](http://www.ted.com/talks/janine_benyus_biomimicry_in_action?)

**PRIZE MONEY:** Worth INR 30,000

**CONTACTS :** Prashanth Kallur: +919629606804

Harini Narayanan: +918122684365

[inspinature@pragyan.org](mailto:inspinature@pragyan.org)