Biomedical Engineering and Biotechnology: Effective solutions for sustainable development

Sustainable development is no small undertaking for international companies looking to meet today's energy, food and environmental needs without compromising the Earth's resources or its future. The innovative solution these corporate leaders are turning to is biotechnology, whether it's to augment agricultural productivity, reduce greenhouse gas emissions, create an innovative disease therapy

Since its emergence, the risks and benefits of modern biotechnology have been debated. It is revolutionary in its ability to transform life itself in order to generate new products and services, with potential societal impacts equal to those that followed to the information and communication revolution. Biosafety implications, ethical aspects and the cultural context must be considered with great care. With that in mind, more efforts are needed to reinforce capacities in developing countries, so they can become players in the new bio-economy

Healthcare is one of the world's largest industries. Globally, the size of the healthcare market can be estimated to be between five trillion to six trillion dollars. Three trillion, or over half of which is spent in the United States, meaning that just 5% of the world's population accounts for over 50% of the world's total health bill. To further compound the impact of healthcare on the US economy, it is well known that the US spends anywhere between 16 to 18% of its GDP on healthcare, which is over twice what most developed countries spend.

The healthcare sector, which includes diagnostic systems and innovative therapies, constitutes the leading segment of the whole biotechnological industry on an international level.

TASK

Each team has to come up with an innovative idea in the field of Biotechnology or Biomedical which would bring a change in the human well-being and you have to pitch that idea in front of the panel of judges in the form of power point presentation.

Rules And Guidelines

1. Team Limit – not less than 3 members and not more than 5 members are allowed in a team.

2. Duration of the Presentation will be from 3 to 5 minutes only. Extra time will cause penalty.

3. The presentation will be followed by the 2 min query session.

4. Plagiarism is strictly prohibited.

5. The presentation will be judged by a panel of judges of IT dept. The following will be the distribution of marks for the presentation:

- Content of the presentation   - 10 marks
- Confidence & Verbal Skill   - 10 marks
- Use of the graphics, sound & Videos - 10 marks
- Colour Scheme & Background   - 10 marks
- Question round   - 10 marks

6. The decision of the Judges shall be final.

7. A team can be disqualified at any point of time if they are found to be in violation of the rules.

8. Participants of a team must be from the same institution.

9. The Organizing Committee has the rights to modify/change any rules at any point of time and will do their best to inform the participants beforehand

For any queries contact:

Maneesh Lingwan : +91 7807104211

Pradeep Kumar : +91 8629015402