

SOUVENIR

प्रकृति 2019

agri and food innovation fest

15th - 17th March



कृषि एवं खाद्य अभियानिकी विभाग
AGRICULTURAL
AND
FOOD ENGINEERING DEPARTMENT



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ABOUT PRAKRITI

An Agri and Food Innovation Fest by the students of Department of Agricultural and Food Engineering, Indian Institute of Technology, Kharagpur, targets the amalgamation of academia and industry associated with the agricultural and food sector. Prakriti aims to provide a conduit for budding innovators and scholars from institutes across the country to interact with each other and the industry, citing a more practical aspect to technical education acquired on the academic front and at the same time, aiding enterprises to exploit the technological achievements for their own benefit.

Prakriti- as the name and theme of the fest suggests, brings you closer to nature and aims to open new realms of knowledge in the field of agri culture. This Agri and Food Innovation Fest is one of its kind, being held on the landmarks of IIT Kharagpur, where the oldest and one of the most reputed IIT stands today.

With its inception in previous years, Prakriti has pioneered the cause of organizing an Agri and Food Innovation Fest at a national level. The previous 5 editions of Prakriti saw a huge participation from both the academic and the industrial front. Association with renowned companies like ITC, Nabard, Swaraj Tractors, HUL, Tea Board Of India, PEPSICO India, Coca Cola, Tetra Pak, John Deere, New Holland, Seimens, AFCL etc, contributed significantly in catalyzing its success and helped it achieve greater heights. This year, we hope to make the fest bigger and better by extending our heartiest welcome to many more agro-based institutions and enterprises, and coalesce it with the concept of sustainability.



GUEST LECTURES

AGRIPRENEURSHIP SUMMIT:

Promotion of agricultural - entrepreneurship has always been a leitmotif of Prakriti right from its inception. While the main emphasis of the summit has always been on how Agripreneurs who have the potential of combining entrepreneurial skill and modernization in field of agriculture can play the role of catalysts in transforming the traditional farmer into a modern agripreneur, time has been devoted for developing agripreneurs with distinct traits and skills to exploit opportunities prolific in the field of agriculture .

The guests talk about the finer intricacies of their work and inspire the students to take the unconventional path and do something out of the box. Panel discussions like agripreneurship summit in Prakriti have made a brand for themselves and remain the topic of incessant discussion and anticipation all-round the year.

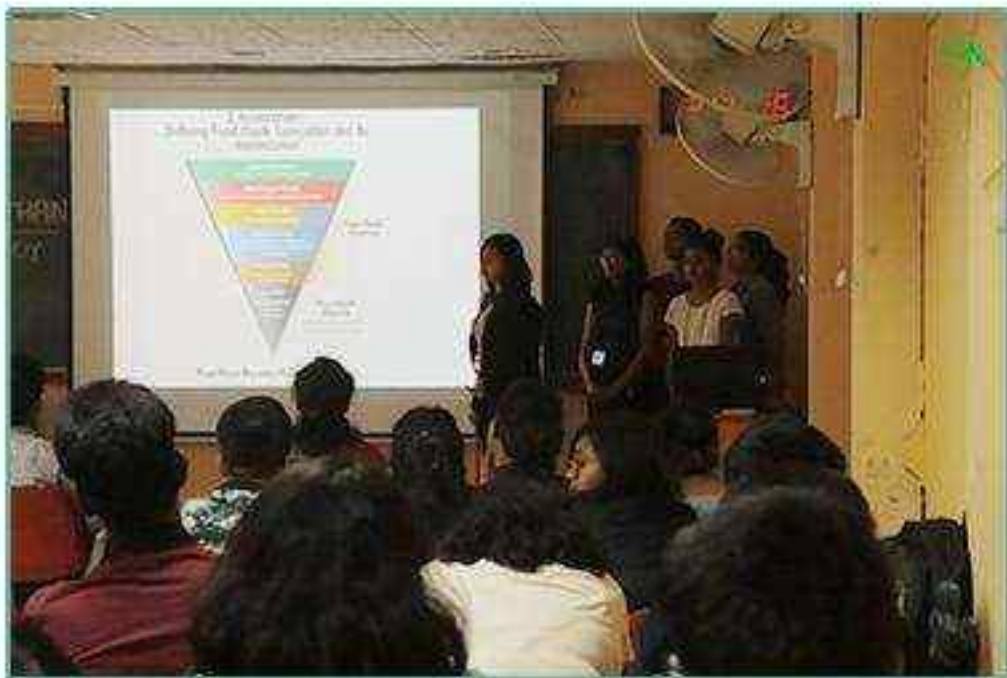




EVENTS

MANTHAN:

Prakriti 2018 presents to you, the event of case study, where you will emulate a real life consultant, facing the challenges of real life. All relevant data will be provided, show off the magnanimity of your grey cells and impress the board members of a fictitious company with your most feasible solution, leaving them with no choice but to award you for your ingenuity with the prize money.





EVENTS

TURNCOAT:

The one-to-one debate challenge that ensures arguments and ideas cross cutting each other, Turncoat is one of the lead events that have both: the taste of logical consistency and factual accuracy as well as an element of emotional appeal to the audience at large. This is a competition which provides a platform to discuss over the issues with two two groups counterattacking each other simultaneously one after the other in terms of their views over a given problem statement(either for or against the topic). The aim of the event is to come up with a right solution combining the ideas of different people. The thought process and the content will be judged and the best side will be rewarded.





EVENTS

VANTAGE POINT:

Vantage point is a total of engineering astute, overnight solitude and thrives in multitude that finally results in making of something out of nothing. Prove your engineering mettle garnished with the pleasantries of sustainability. The aim of this event is to sow a seed of creativity, promote innovation and and polish the brains of the participants. Complexity is to be achieved from simplicity. In this event teams are provided with normal day materials which at first sight may seem to be trivial but when combined can form useful products.





EVENTS

TREASURE HUNT:

Treasure Hunt: A series of codes that need to be deciphered. Cracking the code leads to discovery of a unique pin that opens the next door. The first clue is common to all the groups but leads everyone on a journey through different routes. This event focuses on showcasing the various centres, infrastructure and diversity that exists in our unique department.





COMPETITIONS

QUIZELLA:

It is said "Knowledge is Power" which proves itself time and again. To test the knowledge of the students in business and technical aspects, we bring to you the business and technical quiz in the name of Quizella. It would provide a platform to the best minds of India in the field of Agricultural and Food Engineering to test their excellence amongst others and find out their stand. Having a vast range of questions from direct ones to video, this event will surely keep all you participants in full charge of your senses.





COMPETITIONS

POSTER PRESENTATION:

Poster design is an expression of thoughts and technical prowess. This competition provides an excellent platform for students to showcase their creativity and presentation skills. Your poster can be about anything you want but with one constraint: it must be inspired from the field of agriculture and food engineering. It might tell a story or explain and provide a visual impression of your thoughts - the only limit being your imagination! Come on, Showbiz your style and put forth a message





COMPETITIONS

PROD-D:

Prakriti in association with design and innovation center(DIC), IIT Kharapur presented Prod-d. Designing a new product goes through an analytical process and relies on a problem-solving approach to improve the quality of life of the end user and his or her interaction with the environment. It is about problem-solving, about visualizing the needs of the user and bringing a solution.

Prod-D aims to uplift the life standard of farmers by providing a stage for budding ingenious minds to showcase their prowess in the field of agriculture. The viable design based on the discretion of the panel of judges will be fully funded by them.





COMPETITIONS

DATA ANALYTICS:

In agriculture sector where farmers and agribusinesses have to make innumerable decisions every day and intricate complexities involves the various factors influencing them. An essential issue for agricultural planning intention is the accurate yield estimation for the numerous crops involved in the planning. In making these decisions past information is very very important. Data analysis is based upon analysing past information to predict future conditions and plan accordingly. The event was organised with an aim of showing students the thought process behind a decision.





COMPETITIONS

FARMVILLE:

Prakriti 2019 presents to you this year's exclusive event, Farmville, where your planning and analytical understanding of agricultural practices are examined. You are provided with a barren land that has never been cultivated before. Every necessary and relevant parametric details about the physical conditions are laid in front of you including the area available, weather forecasts, temperature records, soil type, soil texture, soil moisture etc.

After deeply analysing the given information you need to design an economically feasible farm and device a cropping pattern with the sole priority to maximize the output from the given piece of land. Well, designing is just the first part of the event. You are also required to display a presentation of your design and planning. The presentation includes an explanatory analysis of the crop selection, farming practices, irrigation mode & frequency, fertilizer usage, input cost and revenue generated. Farmville aims to expose and nurture the participants to smart planning abilities and proper utility of available resources.





CONTRIBUTION TO SOCIETY

SEMINAR CUM WORKSHOP TO EDUCATE MEASUREMENT SYSTEMS AND INSTRUMENTATION

A workshop was conducted by two instructors from Welan Technologies. Welan Technologies is in the fore front of providing technological solutions to the industry in the field of Sound & Vibration, Static & Dynamic Transducers, Test & Measurement Equipment and Analysis systems. The workshop was conducted to educate the attendees about measurement systems & instrumentation which included High End NVH System, Sound and Vibration Analyzers and Pressure Mapping System. Some products were demonstrated in the workshop.





PARTICIPATING COLLEGES

West Bengal: Techno India Salt Lake, Jadavpur University, Bidhan Chandra Krishi Vishwavidyalaya, WBUAFS, IEST Shibpur, Guru Nanak Institute of Technology, NIT Durgapur, JIS College of engineering, IISC Kolkata

Uttar Pradesh: SHUATS (Allahabad), Banaras Hindu University

Bihar: Bihar Agricultural University (Bhagalpur), Rajendra Agricultural University, College of Agricultural Engineering (Pusa)

Madhya Pradesh: Jawaharlal Nehru Agricultural University (Jabalpur), MGCGV Chitrakoot, IPST, PSSU, IET Indore, SAM, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (Gwalior)

Andhra Pradesh: National Academy of Agricultural Research Management, NTR College of Agricultural Engineering (Bapatla), Vignan University, VFSTR-Vadlamudi

Odisha: NIT Rourkela, Orissa University of Agriculture and Technology (Bhubneshwar), CUTM

Jharkhand: Ranchi Agriculture College, BIT Mesra.

Rajasthan: NIMS University (Jaipur), CTAE



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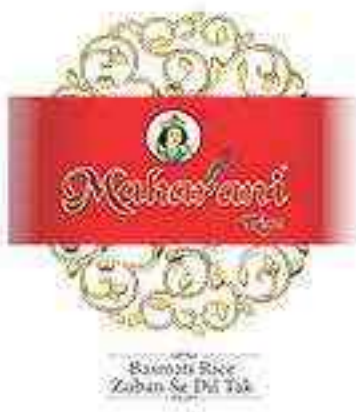
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ORGANIZING TEAM



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UPCOMING EVENTS

PRAKRITI2020
MARCH, 2020

Organised By:





RESOURCES

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