KRITAGYA
HACKATHON

A National level Hackathon on Precision and Economical Animal Farming

कृतज्ञ : कृषि तकनीक ज्ञान

REGISTRATION GUIDELINE
15th September, 2021

📄 EVENT RATIONALE

KRI-TA-GYA explains, *KRI for Krishi* (Agriculture), *TA for Taknik* (Technology) and *GYA* for *Gyan* (Knowledge). **This event will give an opportunity to the students / faculties / entrepreneurs / innovators and others to showcase their innovative approaches & technology solutions to promote the livestock farming in India. Such initiatives under NAHEP along with Animal Science Division of ICAR will also help in enhancing the learning capabilities, innovations and disruptive solutions, employability and entrepreneurial drive in the livestock sector.**

👥 ELIGIBILITY FOR PARTICIPATION

Students / faculties / innovators from any university / technical institution across the country can participate in the form of a group. This group will comprise of maximum 4 participants, with not more than one faculty and / or more than one innovator or entrepreneur. Participating students can collaborate with local start-ups/industry, students from technology institutes including IITs and NITs etc. but group size must not exceed 4 members. Participation of at least one student in each group is mandatory. Participation of all team members and leader should be restricted to only one team. Faculties from Agricultural Universities/ ICAR institutes involved in zonal level organizing/ evaluation committee can not participate in the event.

🖼 THEME

Applicants will be presenting a potential solution with animal science technologies, precision farming practices as an enabler for addressing the emerging challenges in their vicinity / localized areas / state/zone/national level specific. This event will invite and encourage applicants to come out with an innovative, out of box and disruptive solution by leveraging the application of technologies or practices in the field of animal sciences. The problem statement and solutions will be preferably on promoting '**Innovations for Precision and Economical Animal Farming**'.

PROBLEM STATEMENT

Following are the problem statement on which applicants can **showcase their innovative approaches & technological solutions to promote innovation for precision and economical animal farming in India.**

S.No.	Problem Statements
1	Innovative tools for reducing drudgery in animal farming
2	Telemedicine module
3	Artificial Intelligence and Machine Learning based forecasting models of livestock & poultry diseases
4	Digital / analog tools for disease diagnosis
5	ICT based solution for faster disease reporting, networking and risk communication
6	Multianalyte and high throughput milk and milk product testing
7	Calving alert tool/ system
8	Innovative tools for oestrus and early pregnancy detection in large animals
9	Green energy from animal bio-wastes
10	Smart technologies for transportation of animal and animal products
11	Real time animal data recording under field conditions
12	Innovative methods for animal identification and traceability
13	Multiparametric and high throughput testing of feed ingredients
14	Animal welfare through IoT application
15	Digital platform/e-market module for animal, animal products/byproduct marketing

ORGANIZING FRAMEWORK

A **2-tier event framework and committees** have been constituted instead of formed to organize this event at national & zonal levels with clear guidelines and procedures. A 2-tier framework will be managed under the strategic guidance of National Steering Committee (NSC) for the event.

PRESENTATION DURING REGISTRATION

Please provide the concept note (PPT Presentation - Not more than 10 Slides - should Showcase Problem Statement, Solution Concept, Team, Background, Value Proposition and Way forward). Presentation to be prepared in PPT format and to be uploaded in PDF version.

AWARDS

Winners from the national level event, will be felicitated with cash prize and citations with participation certificate. Cash Prize will be INR 5 lakhs for 1st Winner, 3 lakhs for 2nd and 1 lakh for 3rd winner.

ROUND OF EVENT

1. Registration and Concept entries
2. Uploading Concept Note by applicants
3. Zone level screening
4. Zone level evaluation (Technical Presentation by applicant)
5. Mentor allotment to zone level winner
6. National level finale (Final Presentation)
7. Award/Announcement of Results

NAHEP

Project Implementation Unit