A Brief Report on Value Added Course on "Augmenting the Livestock & Poultry Performance through Nutritional Management" Course Code : AGV-02-2425 (26th SEP, 2024 – 10th OCT, 2024) Organized by Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST) Integral University, Lucknow

The livestock and poultry industries are vital pillars of the global agricultural sector, playing a key role in ensuring food security, economic stability, and rural development. In 2021, global milk production, consisting of approximately 81% cow milk, 15% buffalo milk, and 4% from goat, sheep, and camel combined, grew by 1.1%, reaching around 884 million tonnes. India leads as the world's largest milk producer, contributing 23% of the total global milk production, with a production of 230.58 million tonnes in 2022-23, marking a 3.83% increase compared to the previous year (2021-22). The daily average milk yield per animal is 8.55 kg for exotic/crossbred cattle and 3.44 kg for indigenous/non-descript cattle. India's organized commercial poultry sector produces nearly 75% of the total meat and egg output, while the unorganized sector accounts for 25%. According to the 20th Livestock Census by the Government of India, the total poultry population stands at 851.81 million (including 317.07 million backyard poultry), marking a 45.8% increase from previous censuses. In 2022-23, India's total egg production is estimated at 138.38 billion, with 118.16 billion from commercial poultry and 20.20 billion from backyard poultry. According to FAOSTAT, 2023 and Economic Survey, 2023 India contributes about 7% of global egg production, 2.42% of global meat production, and 7.56% of global fish production and has the world's largest population of milch animals

In response to this growing interest and demand, the Department of Agriculture took proactive steps by organizing a comprehensive virtual value-added course on "Augmenting the Livestock & Poultry Performance through Nutritional Management." The course, conducted from 26th September, 2024 to 10th October, 2024, spanned over 30 hours and was thoughtfully designed by expert instructors. Augmenting the Livestock & Poultry Performance through Nutritional Management course was designed to equip participants with the knowledge and skills needed to enhance the health, growth, and productivity of livestock and poultry through effective nutritional practices. The initiative reflects the commitment of IIAST to provide knowledge and skills that align with contemporary needs and opportunities in the field of livestock and poultry nutrition. This course was specially designed for all the Undergraduate and Postgraduate students of all departments throughout the university. A total of 235 students were registered and 168 students were passed in the course and were given certificate after completion.

The Value-Added Course was conducted under the guidance of Prof. Saba Siddiqui, Head, Department of Agriculture, Integral University and was coordinated and facilitated by the following faculty members.

- 1. Dr. Pankaj Kumar Gupta
- 2. Dr. Zeeshan Ahmed Khan

S.No.	Da	ate	Course	Module	Outcome
	From	То	Instructor		
1.	26/09/2024	28/09/2024	Dr. Pankaj Kumar Gupta	livestock and poultry nutrition.	various livestock and
2.	29/09/2024	01/10/2024	Dr. Zeeshan Ahmed Khan	Introduction to cattle feeding, feeding management in dairy cow, management of	Students gained proficiency in the formulation of balanced diets tailored to specific stages of livestock and poultry growth and production.

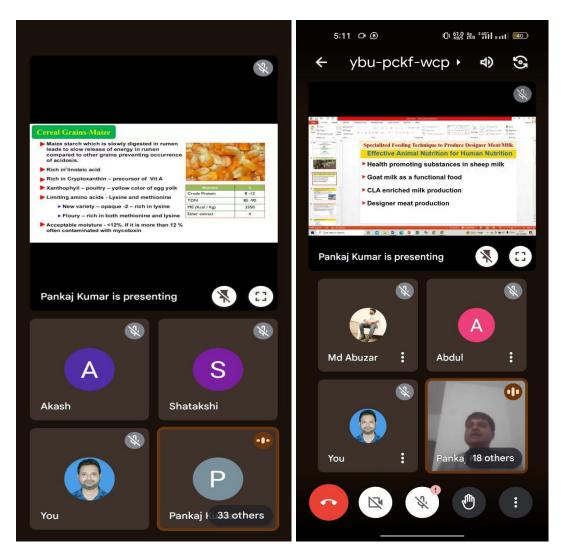
The Course modules were addressed by the following resource persons:

				balancing for sustainable dairy farming. Quiz Test	
3.	02/10/2024	04/10/2024	Dr. Pankaj Kumar Gupta	systems for sheep and goats. Ration formulation for sheep and goats. Feeding	knowledge the impact of nutrition on animal health, reproduction
4.	05/10/2024	07/10/2024	Dr. Zeeshan Ahmed Khan	specifications and ration formulation for chicken. Feeding management of broiler, layer and breeder chicken. Designer eggs and meat through nutrient	specifications and ration formulation for chicken. Besides, Feeding management of different poultry

5.	08/10/2024	10/10/2024	Dr. Pankaj Kumar Gupta & Dr. Zeeshan Ahmed Khan	Processing for Analysis. Nutritional Quality Check of Raw Materials and Finished Feeds. Feed Toxins, their analysis and	Students Learned how sampling and proximate composition of different feeds along with Quality Check of Raw Materials and Finished Feeds. Feed Toxins, their analysis and interpretation.
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All the participants who successfully completed the course were awarded e-certificates on the basis of their quiz test, feedback for every unit, attendance, general feedback, and moreover 50% qualifying criteria for the course. The VAC on Augmenting the Livestock & Poultry Performance through Nutritional Management provided a comprehensive learning platform, equipping attendees with a blend of theoretical understanding and hands-on proficiency, knowledge and skills needed to enhance the health, growth, and productivity of livestock and poultry through effective nutritional practices.

Glimpses of the VAC-



Sample of the certificate

CERTIFICATE OF COMPLETION				
TI	This certificate certifies that			
	[recipient.name]			
[custom.enrollment_no] has completed the 30 hours Value Added Course on "Augmenting the Livestock & Poultry Performance through Nutritional Management" offered by Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow from 26th September 2024 to 10th October 2024.				
Dr. Pankaj Kumar Gupta Course Co-Ordinator, IIAST Integral University, Lucknow	Dr. Zeeshan Ahmed Khan Course Co-Ordinator, IIAST Integral University, Lucknow	Prof. Saba Siddiqui Head, Department of Agriculture, IIAST, Integral University, Lucknow		
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