

KERALA VETERINARY AND ANIMAL SCIENCES UNIVERSITY
COLLEGE OF AVIAN SCIENCES AND MANAGEMENT
THIRUVAZHAMKUNNU, PALAKKAD



INNOVATION GRANT PROJECT
ANNUAL REPORT | 2020-21

**Innovation Grant Project on Institutional Capacity Building Leading to
Accreditation of College of Avian Sciences and Management,
Thiruvazhamkunnu, Palakkad**

Funded by



**Indian Council of Agricultural Research
National Agricultural Higher Education Project**

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**Annual Report 2020-21 - Innovation Grant Project on Institutional Capacity Building
Leading to Accreditation of College of Avian Sciences and Management,
Thiruvazhamkunnu, Palakkad**

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MESSAGE

Greetings from Kerala Veterinary and Animal Sciences University!

National Agricultural Higher Education Project (NAHEP) has been established by Indian Council of Agricultural Research (ICAR) in 2017 with the aim of bringing reforms in agricultural higher education of the country. The project is being implemented by ICAR in collaboration with World Bank to enhance the quality of agricultural education through State Agricultural Universities in India. I am extremely happy to know that College of Avian sciences and Management has received the ICAR – NAHEP - Innovation Grant project of Rs.100 Lakhs for improving the academic infrastructure leading to accreditation of the college. It gives me immense pleasure in appreciating the sincere and untiring efforts from the whole team of CASM, Thiruvazhamkunnu, for the effective utilisation of funds received in the years 2019-20 and 2020-21.

It is also commendable that an Annual Report is being published by College of Avian Sciences and Management, for showcasing the activities and achievements during the year 2020-21 under NAHEP- IG Project. I am hopeful that the successful implementation of NAHEP-IG Project will improve the competence of the college, students and faculty that would contribute heavily to the economic development of our country.




Prof. (Dr.) M.R. Saseendranath,
04-05-2021
Vice Chancellor

Vice Chancellor's Secretariate Pookode, Lakkidi. P.O., Wayanad, Kerala - 673 576, E Mail : vc@kvasu.ac.in



KERALA VETERINARY & ANIMAL SCIENCES UNIVERSITY

Lakkidi P.O., Pookode, Wayanad, Kerala – 673 576

Prof. (Dr.) P. Sudheer Babu

B.Tech, M.Sc, Ph.D.

REGISTRAR, KVASU



MESSAGE

National Agricultural Higher Education Project (NAHEP) is launched by ICAR in 2017 to undertake various measures to improve the faculty competence, curricula delivery, improvement of policies, improvement of student talents, up gradation of IT and supporting facilities and infrastructure facilities for making the colleges globally competitive.

College of Avian Sciences and Management, Thiruvazhamkunnu has received a project worth Rs.1 Cr under Innovation Grant Project, NAHEP of ICAR. The college has completely utilised Rs. 43.39 lakhs received during the year 2020-21. I would like to congratulate each and every one behind the successful implementation of the project.

I am delighted to know that College of Avian sciences and Management is publishing the annual report showcasing the activities and achievements under the IG project for the year 2020-21. I wish all success to the whole team of College of Avian Sciences and Management, Thiruvazhamkunnu for the implementation of the whole project.

Sd/-

Prof. (Dr.) P. Sudheer Babu
Registrar, KVASU



KERALA VETERINARY & ANIMAL SCIENCES UNIVERSITY

Lakkidi P.O., Pookode, Wayanad, Kerala – 673 576

Prof. (Dr.) N. Ashok

M.V.Sc., Ph.D.

DIRECTOR OF ACADEMICS & RESEARCH, KVASU



MESSAGE

The National Agricultural Higher Education Project (NAHEP) is a collaborative endeavour from ICAR and World Bank and it aims to bring transformative reforms in the agricultural higher education of the country through the improvement of policies, quality assurance through accreditation, common academic regulations and governance, effective curricula delivery systems, improvement of faculty competence, student development, attracting talented students, IT support and up-gradation of infrastructure and facilities enabling the system to catch up nationally and internationally which will ultimately enhance the relevance and quality of agricultural higher education.

Kerala Veterinary and Animal Sciences University also got an opportunity to be a partner AU of the NAHEP. An amount of Rs. 1 Cr has been granted as Innovation Grant project entitled “Institutional capacity building leading to accreditation of College of Avian Sciences and Management, Thiruvazhankunnu”. I am pleased to know that the funds released during 2020-21 have been utilised completely for improving the infrastructure facilities viz. laboratories, library, technology business incubation centre, gymnasium and play ground. I appreciate the coordination and efforts of the team for making it successful. Now, the annual report for the year 2020-21 illustrates the efforts undertaken and activities carried out under NAHEP- IG Project.

I acknowledge the support and consideration of Dr. R.C. Agrawal, National Director and Dr. R.B. Sharma, National Coordinator, IG Project. I appreciate the commendable efforts made by Principal Investigator, NAHEP, IG project of CASM and his team in formulation of this report. I am hopeful that the successful implementation of NAHEP- IG Project will lead to the improvement of quality of education to the students and will create better job prospects.

Sd/-

**Prof. (Dr.) N. Ashok
DAR, KVASU**



KERALA VETERINARY & ANIMAL SCIENCES UNIVERSITY

Lakkidi P.O., Pookode, Wayanad, Kerala – 673 576

Prof. (Dr.) Ajith Jacob George

M.V.Sc., Ph.D.

ASSOCIATE DIRECTOR OF RESEARCH, KVASU

UNIVERSITY LEVEL NODAL OFFICER, NAHEP-IG PROJECT



It is a matter of pride for me to know that College of Avian Sciences and Management of Kerala Veterinary and Animal Sciences University has been granted Rs. 100 lakhs from Indian Council of Agricultural Research (ICAR) under the National Agricultural Higher Education Project (NAHEP)- Innovation Grant project. Indian Council of Agricultural Research was established with the core aim of bringing reforms in agricultural higher education in India. It works for the enhancement of quality of education in agricultural sector.

Innovation Grant project is mainly awarded for improving the infrastructure facilities which helps in getting accreditation from ICAR. The funds are mainly utilised for capacity building, strengthening of laboratories and for the conduct of trainings and workshops for enhancing the skills of students and thereby improving their employability.

Being the nodal officer of this project, I thankfully acknowledge the timely support and help from the Project Implementation Unit of NAHEP and World Bank. I appreciate the team members of Kerala Veterinary and Animal Sciences University for their tremendous efforts in acquiring this project from NAHEP. I express my wishes for the successful implementation of the project which will result in improving the quality of education which will lead to the economic prosperity of agricultural sector of our country.

Sd/-

Prof. (Dr.) Ajith Jacob George
Associate Director of Research, KVASU



Kerala Veterinary and Animal Sciences University
COLLEGE OF AVIAN SCIENCES AND MANAGEMENT

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Prof. (Dr.) G. Girish Varma

Faculty Dean & Dean i/c
Principal Investigator, NAHEP-IG Project



MESSAGE

I feel highly delighted to be the Principal Investigator for the ICAR – NAHEP – Innovation Grant project worth Rs. 1 Crore sanctioned to College of Avian Sciences and Management, Thiruvazhamkundu, Palakkad with an aim to bring transformative reforms in the infrastructure facilities of the institution. The National Agriculture Higher Education Project (NAHEP) implemented in 2017 is a collaborative endeavor from ICAR and World Bank and is meant to enhance the relevance and quality of agricultural higher education being imparted to the students via Agricultural Universities of India.

It's my proud privilege to inform that College of Avian Sciences and Management had completely utilised the funds received during 2020-21 for strengthening the infrastructure facilities and ensuring the capacity building of the staff and students thus enabling them to be more competitive. The laboratory facilities of Departments of Avian Nutrition and Avian Disease Management, facilities of Technology Business Incubation Centre, Library, Placement Cell, Sports centre, Gymnasium and Playground were strengthened through this project. One international webinar, a skill development workshop and a one month long lecture series were also organised as part of Human Capacity Building program.

At this juncture, I appreciate and acknowledge the coordination and support from Dr. R. B. Sharma, National Coordinator, IG Project and all the team members at the Project Implementation Unit, New Delhi for their constant help. Further, I appreciate the commendable efforts made by the whole team of CASM in formulation of the project and also for making it successful. Now it makes me happy to present before you the glimpses of various activities and events carried out during this year as the Annual Report 2020-21.

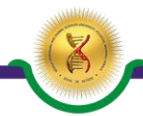
I am hopeful that the successful implementation of NAHEP- IG Project will lead to the improvement of quality of education of the students and will result in enhancing the employability of the students. It will further lead to the creation of lasting impacts on agricultural growth and economic developments in the country.

Sd/-

Prof. (Dr.) G. Girish Varma
Dean, CASM &
Principal Investigator, NAHEP-IG Project

Contents

1. Objectives	11
2. Project details.....	12
3. Activities during 2020-21.....	13
4. Inauguration of NAHEP-IG Project.....	15
5. Achievements	16
6. Success Stories/Testimonials	19
7. Environment safeguard measures.....	20
8. Social safeguard measures.....	21
9. Challenges faced	21
10. Roadmap ahead.....	21
11. Team Members	22
12. Photo Gallery	23

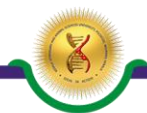


Background

India is an agricultural country and poultry production is one of the fast growing segments of agriculture with an average growth rate of 8 to 12 percent per annum. India is ranked as the third largest egg producer (103 billion eggs) and the fourth largest meat producer (36 lakh tons) in the world. Considering the potential of avian species in providing food security and employment/income generation, poultry industry demands more focused attention. It is in this background, Kerala Veterinary and Animal Sciences University established the Faculty of Poultry Science in 2013.

Kerala Veterinary and Animal Sciences University has established the College of Avian Sciences and Management (CASM) at Thiruvazhamkunnu, Palakkad District, under the Faculty of Poultry Science with the aim of providing quality education in poultry business management so as to craft management professionals with technical knowledge in poultry production. The college is offering B.Sc. (Poultry Production and Business Management), a three year graduate programme from 2014 Academic year onwards. The curriculum was designed after a brainstorming workshop session with scientists, academicians, industry professionals and business management experts. The college is equipped with adequate infrastructural facilities including lecture halls, seminar hall, library, informatics lab and students hostel. An Avian Research Station is also functioning in the campus which has chicken, ducks and quail units, feed mill and hatchery for providing hands on training to students. A total of 105 students graduated from the institute as on 31.03.2021 and more than 50% of students are employed in various public and private sectors both within and outside the country.

However there exists a huge lacunae which is an accreditation from Indian Council of Agricultural Research (ICAR) or similar accreditation bodies. As accreditation is a quality assurance process through which the services and operations of higher learning institutes are evaluated by an external agency, the standard of education can be assured only through accreditation. Due to the lack of accreditation the enthusiasm of the graduates and their optimism to aspire higher goals may be affected. Also, the institute is not getting enough financial support especially from ICAR due to the lack of accreditation. Hence to improve the quality of education and to set an academic standard, both institution and course has to be accredited by Indian Council of Agricultural Research or other bodies. But, certain facilities has to be established/strengthened for getting accreditation. It is in this background, CASM has applied for the Innovation Grant project under NAHEP for improving the facilities of the



institute and thereby to reduce the gap in getting ICAR accreditation.

College has been granted Rs. 1 Cr as Innovation Grant of the National Higher Education Project (NAHEP) entitled “Institutional Capacity Building leading to Accreditation of College of Avian Sciences and Management, Thiruvazhamkunnu, Palakkad” in 2020. The NAHEP has been formulated by ICAR with a total cost of US\$ 165 million, provides means for better governance and management of agricultural universities, in turn, to develop a holistic model to raise the national standard of agricultural education on par with the global agriculture education standards for generating more jobs/entrepreneurship. The Innovation Grant, spreading for three years from 2019-20 to 2021-22, will be utilized to improve the academic infrastructure and institutional capacity building of CASM leading to accreditation.

The project envisages advancement of knowledge and skills of the faculty and students to improve their potential and to ensure better service to the society. The improvement of the existing facilities will help in improving the quality of education. Sports and physical training facilities included in the project will improve the general wellbeing of the students. The project also envisages setting up of research laboratories in disease diagnosis and quality control of poultry feed and poultry meat products. The research and development of new technologies can be taken up along with addressing the need based issues of poultry farmers of the state. The advancements in the institute will also help in fostering business incubation in poultry sector among the students and farmers of Kerala, leading to employment generation and financial stability.

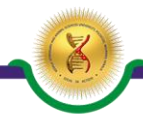
Objectives

Major Objective

1. To improve the infrastructure facilities, quality of education and thereby empowering the institution to attain accreditation

Additional Objectives

1. To create state of the art infrastructure facilities in the academic block of College of Avian Sciences and Management, Thiruvazhamkunnu, Palakkad, Kerala.
2. To improve laboratory facilities of the six departments and to enhance the quality of teaching, research and extension.
3. To enhance student placements by strengthening industry academia interface.
4. To equip the students to face campus placement interviews through various counseling activities by strengthening placement cum counseling center



5. To create strong, inter and intra linkages between entrepreneurs of poultry enterprise and poultry industry through technology dissemination and adoption including speedy commercialization of R& D output and Specialized services to existing SMEs
6. To strengthen the physical education activities and recreation facilities for staff and students
7. To foster the entrepreneurial spirit and to support the startup ideas of student entrepreneurs through Technology Business Incubation Centers.

Project details

Project Title : Institutional Capacity Building leading to Accreditation of College

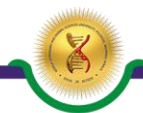
Financial Outlay : 2019-20 : 9.4815 Lakhs

2020-21 : 36.8995 Lakhs

2021-22 : 53.6190 Lakhs

TOTAL : 100.0 Lakhs

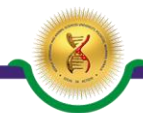
Particulars	2019-20	2020-21	2021-22
	Rs. in lakhs		
A. Goods& equipment	0.0	32.9405	36.90
Office equipment	0.0	3	8.0
Laboratory equipment	0.0	15	22.00
Furniture & Fixtures	0.0	3.1905	6.3
Computers & Peripherals	0.0	11.25	0.6
Books & Journals	0.0	0.5	0.0
B. Civil Works	0.0	2.3	7.5
Minor repair & renovation work	0.0	2.3	7.5
Sub Total (A+B)	0.0	35.2405	44.40
C. Human Capacity Building	1.80	0	1.6
National Training	0.6	0	0.4
International Training	No funds are available under this head		
Short visits/ Seminars	0.6	0	0.6
Meetings & Workshop	0.6	0	0.6
D. Consultancy			
National Consultancies	No funds are available under this head		
E. Recurrent cost	7.6815	1.659	7.619
Travel expenses	1.4	0.0	0.7



Contractual Services	3.98	1	4.98
Operational Cost	1.85	0.58	1.50
Institutional charges (5% of revenue. I.e., C+D+E)	0.4515	0.079	0.439
Sub-total (C+D+E)	9.4815	1.659	9.219
Grand Total	9.4815	36.8995	53.619

Activities during 2020-21

Objective	Activity
<p>Objective 1 - To create state of the art infrastructure facilities in the academic block of College of Avian Sciences and Management, Thiruvazhamkunnu, Palakkad, Kerala.</p>	<p>Strengthening of Library Facility at CASM, Thiruvazhamkunnu</p> <p>For attaining the complete automation of the library activities, an RFID system was installed for automated checking in and out of the students. Books were purchased from various disciplines of poultry science for enhancing the knowledge of students.</p>
<p>Objective 2 - To improve laboratory facilities of the Department of Avian Disease Management and Department of Avian Nutrition and to enhance the quality of teaching research and extension</p>	<p>Strengthening of Avian Disease Diagnostic Laboratory at CASM, Thiruvazhamkunnu</p> <p>For providing exposure to students for conducting various tests for disease diagnosis and extending services to public in evaluating samples whenever needed, the disease diagnostic laboratory functioning under CASM was strengthened by installing various equipment like blood analyser, gel documentation system, deep freezer, analytical balance, thin layer chromatography kit, postmortem kit, etc.</p> <p>Strengthening of Avian Nutrition Laboratory at CASM, Thiruvazhamkunnu</p> <p>Equipment like aflatoxin kit, feed pulverizer,</p>



	<p>soxhlet apparatus, etc. were installed at Avian Nutrition Laboratory of CASM for Improving the feed analytical facilities at the college, which will benefit the students, farms and the industries equally</p>
<p>Objective 3 - To enhance student placements by strengthening industry academia interface</p> <p>Objective 4 - To equip the students to face campus placement interviews through various counseling activities by strengthening placement cum counseling centre</p> <p>Objective 5 - To create strong, inter and intra linkages between entrepreneurs of poultry enterprise and poultry industry</p>	<p>Strengthening of placement cum counselling centre at CASM, Thiruvazhamkunnu</p> <p>For improving the employability of the students and to maintain a lasting relationship with the leading players in poultry industry the placement cell was updated by installing desktop computers, printers and UPS. This will help in the conduct of various skill development workshops and various events which will improve the quality of the students and thereby will improve their employability.</p>
<p>Objective 6 - To strengthen the physical education activities and recreation facilities for staff and students</p>	<p>Strengthening of Physical education facilities at CASM, Thiruvazhamkunnu</p> <p>In order to improve the physical health of the students and faculty various equipment were purchased for setting up of model gym at CASM. Sports utility items were purchased for enhancing the students’ competitiveness in inter collegiate games and other sports events.</p>

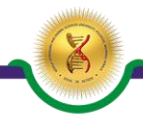


<p>Objective 7 - To foster the entrepreneurial spirit and to support the startup ideas of student entrepreneurs through Technology Business Incubation Centres.</p>	<p>Establishing working space for Technology Business Incubation (TBI) centre at CASM, Thiruvazhamkunnu</p> <p>Technology Business Incubation (TBI) centre was established under CASM using the fund available under IG Project. The installation of various basic infrastructural requirements was completed. Facilities were arranged for conducting various creative activities for the students for improving the mental and entrepreneurial skills.</p> <p>Strengthening of faculty development programs at CASM, Thiruvazhamkunnu</p> <p>Arrangements were made for attending Trainings for the faculty. The faculty members were deputed for attending the training which helped in the development of faculty strength and teaching skills.</p>
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Inauguration of NAHEP-IG Project

The virtual inauguration of ICAR National Agricultural Higher Education Project-Innovation Grant was conducted at College of Avian Sciences and Management, Thiruvazhamkunnu on 28/07/2020 at 10.30 AM. The programme was inaugurated by Adv. K Raju, Hon. Minister of Wild Life and Animal Husbandry and Pro-chancellor, Kerala Veterinary and Animal Sciences University. The official launching of the three day webinar series on Role of Poultry Sector in boosting the Post-COVID Indian Economy organized in connection with the inauguration was done by the Minister on the occasion. Dr. R. C. Agrawal, National Director, Dr. R. B. Sharma, National Coordinator, IG Project and various other dignitaries from the University joined the programme.

In the three day webinar series seven sessions were conducted on different aspects of poultry by experts. The sessions were handled by Prof. Dr. Veerasamy Sejian, Senior Scientist, Centre for Climate Resilient Animal Adaptation Studies NIANP Dr. Raina Raj,



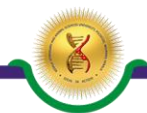
Head of Marketing, Natural Remedies Pvt. Ltd., Mr. Paul Gittins, Senior Business Consultant, Aviagen India, Dr. Renjith Nair, Business Unit Lead –Companion Animals (India) & Commercial Lead (BNS – Distributor Markets), Zoetis Inc, Dr. Mukund Kadam, Assistant Professor, MAFSU, Nagpur, Prof. Dr. Richard Churchill, Directorate of Research, TANUVAS and Dr. Ranjith Ramachandran, Associate Professor, Meat Science, Oklahoma State University. Around 300 participants from various parts of the country and international participants joined the sessions.

Achievements

1. PHYSICAL

A. Goods & Equipment

Sl.No	Item/Activity	Description
1	Office Equipment	
2	Model gym for students and faculty	For strengthening Physical Education Department
3	Sports utility items	
4	Laboratory Equipment	
5	Gel documentation system	For strengthening of Avian Disease Laboratory
6	Deep freezer	
7	Blood analyser	
8	Post-mortem kit for Avian Species	
9	Muffle furnace	For strengthening of Avian Nutrition Laboratory
10	Kjeldhal apparatus	
11	Soxlet apparatus	
12	Thermal control Hot plate	
13	Hot air oven	
14	Double distillation unit	
15	Analytical balance	
16	Feed pulveriser	
17	Thin layer Chromatography	
18	Furnitures & Fixtures	
19	Reading tables	For strengthening of Placement Cell
20	Chairs	
21	Computer table	
22	Almirah	
23	Journal/Magazine rack	
24	Notice board	



25	White board	
26	Journal Display Rack	
27	Property Counter shelves	
28	Ref Reading Table	
29	Revolving Chair	
30	Computers & Peripherals	
31	Desktop computers	For strengthening of Placement Cell
32	Scanner cum Printer	
33	Server	For establishment of Technology Business Incubation Center (TBIC)
34	Radio -frequency identification (RFID) integrated self-check in/check out, Wi-Fi shelf management etc)	For strengthening of Library facilities
35	UPS	
36	Books & Journals	
37	Books for Placement Cell and Library	For strengthening of Placement Cell and Library facilities

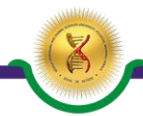
B. Civil Works

Sl. No	Minor repair & Renovation	Description
1	Ground Levelling	For establishment of Physical Education Facilities
2	Modern working space for TBI	For establishment of Technology Business Incubation Center (TBIC)

C. Human Capacity building

i. National Training

Sl. No	Name of Training	Description
1	Training on Meat production processing and value addition	9 students attended 5 days training at NRC on Meat, Haryana
2	Leadership programme for women Scientist of NARES	10 faculties from KVASU attended the programme organized by NAARM, Hyderabad from 08.03.2021 to 10.03.2021



ii. Short Visits/ Seminars

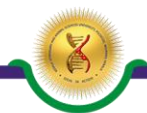
Sl. No	Name of Trainings/ Short Visits	Description
1	Short Visit to NIFTEM, Sonapat, Haryana	To learn the different technologies used in NIFTEM and to make the students aware about the higher education prospects at NIFTEM
2	Visit to the office of National Coordinator, NAHEP IG, Haryana	For discussing the progress of the implementation and to seek further guidance regarding the rest of the project.
3	Soft Skill Development Workshop	A 2 day Workshop was organized for BSc. PPBM students of Thiruvzhamkunnu and Pookode Campus on 02.03.2021 & 03.03.2021
4	Online and Offline Lecture Series	17 Lectures were organized for students and faculty. The lectures were on Gender Justice, Stress management & various topics from poultry science and Business Management.

i. Contractual Services

Sl. No	Post	No. of Posts
1	Technical Assistant	1
2	Office attendant cum Driver	1

ii. Operational Costs

Sl. No	Particulars	Description
1	Aflatoxin testing kit and poultry disease kit	<ul style="list-style-type: none"> AsurDx Newcastle Disease Virus Antibody Test Kit AsurDx Avian Leukosis Virus (ALV) Antibody Test Kit AsurDx Infectious Bursal Disease (IBD) Anti body Test
2	Training and Training materials	Various stationary items were purchased for conducting training programmes.
3	Honorarium/Hospitality expenses to the visiting faculty	Honorarium were paid to the resource persons for handling various sessions.



2. FINANCIAL

Head	Sub Head/Category	Expenditure (Rs.in Lakhs)	
		Planned	Utilization
Goods and Equipment	Office equipment	3	2.9942
	Laboratory equipment	15	14.02829
	Furniture & fixtures	3.1905	3.1808
	Computers and Peripherals	11.25	10.91484
	Books & Journals	0.5	0.48346
Civil Work	Minor repair and renovation work	2.3	3.63891
Human capacity building	National Training	0.50346	0.50346
	International Training	-	-
	Short visits/Seminars	1.2	1.19878
	Meeting & Workshop	0	0
Consultancy	National Consultancies	-	-
Recurrent cost	Travel Expenses	1	0.99935
	Contractual Services	2.49	1.2069
	Operational Cost	2.43	3.65534
	Institutional Charges	0.5305	0.59013
Total		43.39446	43.39446

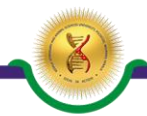
Success Stories/Testimonials

Digitization of library

For the smooth functioning of the library, Radio Frequency Identification (RFID) integrated self-check in/ check out and desktop have been installed. This will help for checking in and out of the students and also facilitate the issue of books without manual effort. The installation of UPS system will be done soon.

Social media coverage

The international webinar on Role of Poultry Sector in boosting the Post-COVID Indian Economy got social media coverage through the official Facebook page of Kerala Veterinary and Animal Sciences University. The post had viewership by more than 250 people within and outside the State.



Training for students at NRC on Meat

A training was arranged for 15 students to National Research Centre on Meat, Hyderabad. 9 students among them were sponsored by the college utilizing the fund available under the project. The 5 days training at NRC on meat was helpful for the students for learning new skills which may help in the career development of students.

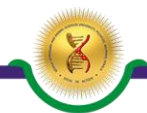
Leadership program for women Scientists of NARES

10 faculties from KVASU attended the “Leadership program for women scientists of NARES” organized by NAARM, Hyderabad from 08.03.2021 to 10.03.2021. The participants were able to learn leadership skills which resulted in the improvement of quality of faculty for effective delivery of curriculum.

Environment safeguard measures

The following activities were implemented for ensuring environment safeguard.

- Judicious plan for electrical wiring
- Use of energy efficient eco-friendly electrical appliances
- Use of energy efficient lighting such as LED to reduce the non-energy consumption
- The laboratories are designed to have sufficient space, ventilation, lighting, regular supply of essentials like quality water will be ensured.
- Provisional stand by source for power supply to sensitive and costly equipment
- All the students, technicians, staff were oriented on immediate response to accidental burns, acid spills, fire etc., and all the hazardous substances will be labelled with precautions for the user
- All the laboratories will be equipped with firefighting facilities, first aid kit, safety showers etc. and adequate number of exit doors in case of emergency
- Fire safety instructions will be displayed in the form of posters in the wall.
- The labs are designed to have the provisions for safe disposal of hazardous wastes
- Separate collection of hazardous wastes which will be properly treated or disposed
- E waste will be channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer
- Use of Environment friendly materials



Social safeguard measures

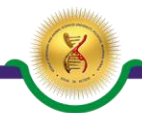
The civil works were carried out by strictly following the social safeguard measures. Measures were undertaken to ensure adequate drinking water and rest room facilities for the workers. Proper fencing was installed around the working area for protecting the students and public from getting injured during the work. In order to protect the students from accidents while using the laboratories, proper instructions were given to the students and also printed instructions has been displayed inside the laboratories.

Challenges faced

Due to the drastic spread of Covid-19 pandemic, most of the events could not be conducted through offline mode. Since the regular classes have been conducted through online mode, the conduct of lectures along with regular classes through online mode resulted in losing the interest of students. This acted as an obstacle in making the events much effective as expected.

Roadmap ahead

The strengthening of infrastructure facilities at College of Avian Sciences and Management is in progress. It is proposed to establish a product technology laboratory and smart class room during 2021-22 financial year. For accomplishing this, modern equipments and other facilities have to be installed. The collective efforts are designed for the timely completion of the project through timely actions in an effective and efficient manner.



TEAM MEMBERS

TEAM LEADER



Prof. (Dr.) M R Saseendranath
Hon. Vice Chancellor

NODAL OFFICER (UNIVERSITY LEVEL)



Prof. Dr. Ajith Jacob George
Associate Director of Research


PRINCIPAL INVESTIGATOR



Prof. G. Girish Varma
Dean, CASM

NODAL OFFICERS

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OTHERS



Ms. Vineetha Liz Varghese
Office Assistant



Ms. Reseena K
Office Assistant



Mr. Sudheesh T
Office attendant cum Driver



Mr. Sahal K
Technical Assistant

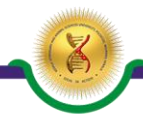
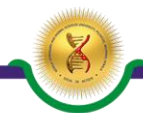
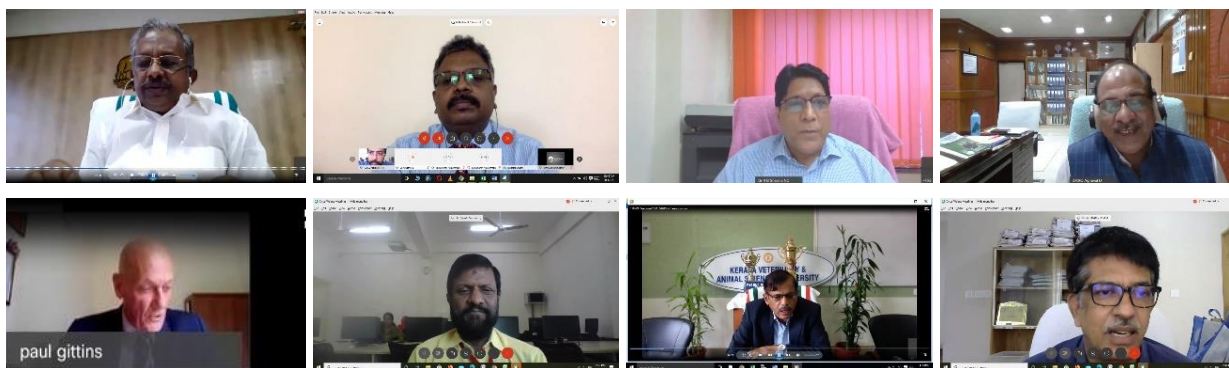


PHOTO GALLERY



VIRTUAL INAUGURATION OF PROJECT



3 DAYS INTERNATIONAL WEBINAR ORGANISED IN CONNECTION WITH INAUGURATION

International Webinar on Role of Poultry Sector in Boosting the Post-COVID Indian Economy

WEBINAR series

ORGANIZED BY

- College of Avian Sciences and Management, Kerala Veterinary and Animal Sciences University
- National Agricultural Higher Education Project
- Indian Council for Agricultural Research

28/07/2020

- 11:30 AM - 12:30 PM: Climate change and Poultry Production: Impact and Amelioration. Prof. Dr. Veersami Sejian, Senior Scientist, Centre for Climate Resilient Animal Adaptation Studies, ICAR.
- 3:00 PM - 4:00 PM: A call for Paradigm shift post COVID 19. Dr. Raina Raj, Head of Marketing, Natural Remedies Pvt. Ltd.

29/07/2020

- 10:00 AM - 11:30 AM: Changes and New Trends in Poultry Production Post COVID-19. Mr. Paul Gittins, Senior Business Consultant, ANAVAS, AviaGen India.
- 11:30 AM - 12:30 PM: Advancements in hatchery for better output and further productivity. Dr. Ranjith Nair, Business Unit Lead - Companion Animals India & Commercial Lead (BNS-SA Distributor Markets).
- 3:00 PM - 4:00 PM: Backyard to Frontyard Poultry Farming: Post COVID. Dr. Mukund Kadam, Assistant Professor, MAFSU, Nagpur.

30/07/2020

- 10:00 AM - 11:00 AM: Methods and Applications of Transgenesis in Poultry. Prof. Dr. Richard Churchil, Directorate of Research, TANUVAS.
- 11:30 AM - 12:30 PM: Role of poultry meat industry in boosting economy: an Indian and US perspective. Dr. Ranjith Ramanadhan Ph.D., Associate Professor, Meat Science, Oklahoma State University, USA.

Registration for the Webinar series can be done in this link: <https://forms.gle/xEphD1ucZMg1k3rTA>

Resource Persons



Dr. Mukund Kadam



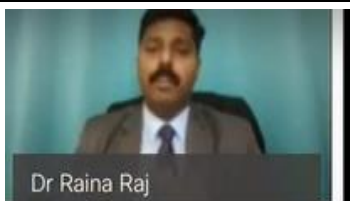
Dr. Ranjith Ramanadhan



Dr. Renjith Nair



Prof. Dr. Richard Churchil



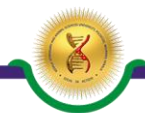
Dr. Raina Raj



Mr. Paul Gittins



Dr. Veersami Sejian



FURNITURE



Reading Table



Reference Reading Table



New Arrival Display



Magazine rack



Journal Display Rack



Property Counter Shelves



Computer Table



Almirah



LABORATORY EQUIPMENT



Double Distillation Unit



Blood Analyzer



Muffle Furnace



Hot air Oven



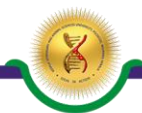
Hotplate



UV Trans Illuminator



Technology and Business Incubation Centre



Thin layer Chromatography



Analytical Balance



Deep Freezer



Gel Documentation System



Soxhlet Apparatus



Kjeldhal Apparatus



STRENGTHENING OF LIBRARY FACILITIES



RFID system for self-check-in and check-out

STRENGTHENING OF PHYSICAL EDUCATION FACILITIES



Model Gym for Students and Faculty

PLAYGROUND



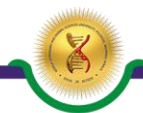
Before Extension



After Extension



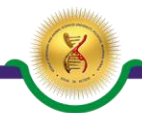
Sports Items



SKILL DEVELOPMENT WORKSHOP FOR FINAL YEAR STUDENTS



Resource Person - Mr. Muhammed Ikan, Certified Trainer by Society for Training and Development in Lakshadweep (STDL)



ONLINE & OFFLINE LECTURE SERIES

Kerala Veterinary and Animal Sciences University
College of Avian Sciences and Management
Thiruvazhamkunnu

LECTURE SERIES FUNDED BY ICAR-NHEP-IG

<p>Dr. Jinu K John Veterinary Surgeon Topic : Pet Bird Management</p>	<p>Dr. Jalaluddin Operations Manager General Poultry Company, Behrain Topic : New Developments in Poultry Industry</p>	<p>Mr. Mohammed Asif P Lawyer and Trademark Attorney Topic : How to Create a Brand Legally</p>
<p>Dr Augustine George Assistant Professor Department of Physical education Government medical College, Kottayam Topic : Stress Management</p>	<p>Mr. Vijayakumar P A Faculty, "TIME" Institute for competitive Exams Thrissur. Topic : Improving Language and Communication Skills</p>	<p>Prof. Baby Shari Professor in Psychology Topic : Gender Justice</p>
<p>Dr A Vinoth Kumar Deputy Manager Food Safety & Quality Assurance, Suguna Foods Pvt. Ltd Udumalpet, Tirupur Dt, Tamil Nadu. Topic : Advances in Poultry Processing with special reference to Automation in Processing Industry</p>	<p>Dr. Sajeew Kumar ACEO, Kudumbashree Broiler Farmers Producing Company Ltd. Topic : Kudumbashree Broiler Farmers Producing Company and job prospects at KBPPC</p>	<p>Dr. Anuraj K S Assistant Manager, Kerala Feeds Topic : Animal Feed Technology</p>
<p>Mr. Aslam Thenhipalam Topic : Be a Passionate Entrepreneur</p>	<p>Dr. Anupama Panghal Assistant Professor Department of Food Business Management and Entrepreneurship Development, NIITEM, Haryana Topic : Higher Education Opportunities for Bsc PPBM Graduates at NIITEM</p>	<p>Dr. Siddhartha Shankar Pathak Assistant Professor Assam Agricultural University Topic : Avian Nutrition</p>
<p>Mr. Shuhaib Alingal Zone Trainer, JCI India Topic : E- Business Citizen</p>	<p>Dr. R Prabhu Veterinarian Aviagen India Topic : Advances in Commercial Poultry Production and Management</p>	<p>Dr. P. Hariharan Senior Veterinarian Officer Veekateshwara Hatcheries Pvt.Ltd, Tamilnadu Topic : Advances in Layer Production with Special Reference to Automation</p>
<p>Prof.S. Ramkumar Dean Rajiv Gandhi Institute of Veterinary Education & Research, Kurumbapet, Puducherry Topic : Valedictory Address</p>	<p>Dr. Himanshu Kumar General Manager, Intas Pharmaceuticals Topic : Entrepreneurship Opportunities in Poultry Sector</p>	





PI & Faculties with Dr. Chindi Vasudevappa, Hon. Vice Chancellor, NIFTEM



PI & Faculties at NIFTEM, Sonapat, Haryana



PI & Faculties with Dr. R. B. Sharma, National Coordinator, IG Project



Faculties Attended Leadership Programme for Women Scientist of NARES



Dr. Stella Cyriac



Dr. Shamna T.P



Dr. Vineetha P.G



Dr. Beena C Joseph



Dr. Rejitha Joseph



Dr. Aswathi



Dr. Lesna Sahib



Dr. Vidhya



Dr. Suja C S



Dr. N Geetha

ICAR-National Academy of Agricultural Research Management
 Rajendranagar, Hyderabad- 500030

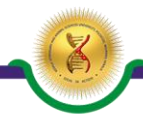
Online Training Programme on "Leadership Development for Women Scientists of NARES"
 March 8-10, 2021

Front & First Row (L-R): Neelam Grewal; Lakshmi Mantha; Pratibha Jolly; Sujata Gupta Kedar; Rashmi Aggarwal; B.S Sontakki; S.K.Soam; Meena Kumari; Ch. Srinivasa Rao (Director NAARM); Surya Rathore(Programme Director); Kalpana Sastry; Manju Gerard; Lalitha Akundi; Arvind Nat; P. Ramesh

Second Row (L-R): C.S Suja; Priya UK; Franklin Magdalline Eljeeva Emerala; Veena Gupta; Sheela Immanuel; Subbalakshmi Lokanathan; Kavita Aravindakshan; M.C. Arunmozhi Devi; Sheelatal Rameshrao Nadre; Jagrathi Deshamanya; Saini Sarita; Shoji Joseph; Suman Kapila; Godawari Shivaji Pawar

Third row (L-R): S.Sheeba Samuel; Airadevi P. Angadi; Aika Joshi; Punitha B C; Malathi Bommidu; Dubey Megha; N Geetha; Punam Atut; R. Umamaheswari; Sharmistha Barthakur; Shivani Rana (26) Stella Cynac

Fourth row (L-R): Surabhi Mahajan; Swati Dahiya; P Vidya; T P Shamna; Swati Rajabhau Kadam; T.C. Suma; Sharda Choudhary; Menon Rekha ravindra; Beena C Joseph; R.Sheeba Jasmine; S. Sunitha; Supriya Aswathi PB; Megha Jagtap; Rejitha Joseph; Shruti Sathi; P Sanjana Reddy; Anessa Rani; Afshan Noor; P G Vineetha; Lesna Sahib; Deepika Bish; Yashaswini Sharma



**Students selected for Training on Meat Processing and Value Addition at
National Research Centre on Meat, Hyderabad**



Anandana P



Devu



Gopika P S



Suhaila K P



Fathima Thamjeeda



Adithya K S



Namseesh Afthar



Huda jansiya



Anju K



INNOVATION GRANT PROJECT - ANNUAL REPORT 2020-21
KERALA VETERINARY AND ANIMAL SCIENCES UNIVERSITY
College of Avian Sciences and Management
Thiruvazhamkunnu, Palakkad