

**Minutes
of
Fifth Meeting
of
Veterinary and Animal Sciences Research
Council (VASRC)***

March 07-08, 2022, 9:30 hrs onwards



**DIRECTORATE OF RESEARCH
KAMDHENU UNIVERSITY**

Karmayogi Bhavan,
Room No. 321, Block-1, Wing-B1, 3rd Floor, Sector-10A,
Gandhinagar-382010 (Gujarat)

***Online/Offline Mode**

Minutes of the Fifth Meeting (Hybrid Mode) of Veterinary and Animal Sciences Research Council (VASRC) of Kamdhenu University (KU), held on March 07-08, 2022 at 9:30 am onwards at Head Quarters, Gandhinagar, Gujarat.

The following Members were present in the meeting.

1	Dr. N. H. Kelawala	Vice Chancellor, KU, Gandhinagar	Chairman
2	Dr. D. B. Patil	Director of Research & Dean PG Studies, KU, Gandhinagar	Member Secretary
3	Dr. J. S. Patel	(I/c) Director of Extension Education and Dean, Fisheries Faculty, KU, Gandhinagar	Member
4	Dr. Bakul Patel	Nominee of Department of Animal Husbandry, Gandhinagar	Ex-Officio Member
5	Dr. R. G. Shah	Associate Director of Research, KU, Gandhinagar	Member
6	Dr. P. H. Tank	Dean, Veterinary Faculty, KU, Junagadh	
7	Dr. V. M. Ramani	Dean, Dairy Faculty, KU, Amreli	
8	Dr. D. V. Joshi	Principal, CVSc & AH, KU, SKNagar	
9	Dr. M. N. Brahmbhatt	Principal, CVSc & AH, KU, Anand	
10	Dr. V. B. Kharadi	Principal, CVSc & AH, KU, Navsari	
11	Dr. B. P. Brahmkshtri	Principal, CVSc & AH, KU, Himmatnagar	
12	Dr. J. B. Upadhyay	Principal, CDS, KU, Anand	
13	Dr. B. J. Patel	Principal, CDS, KU, SKNagar	
14	Dr. D. N. Rank	Professor & Head, AGB, CVSc & AH, KU, Anand	
15	Dr. R. M. Patel	Professor & Head, Clinics, CVSc & AH, KU, SKNagar	
16	Dr. C. V. Savaliya	Professor & Head, VPH, CVSc & AH, KU, Navsari	
17	Dr. K. Ravikala	Professor, LFC, CVSc & AH, KU, Junagadh	
18	Dr. L. M. Sorathiya	Associate Professor, PGIVER, KU, Himmatnagar	
19	Dr. Atanu Jana	Professor & Head, Dairy Processing and Operations, SMC CDS, KU, Anand	
20	Dr. Tanmay Hazra	Assistant Professor, Dairy Chemistry, CDS, KU, Amreli	
21	Dr. Amit Kumar	Associate Professor, Dairy Chemistry, G. N. Patel CDS, KU, SKNagar	
22	Dr. A. N. Sayani	Associate Professor & Head, Basic Science & Humanities, CFSc, KU, Veraval	
23	Dr. Haresh Solanki	Assistant Professor, Aquaculture, CFSc, KU, Navsari	
24	Dr. Vivek Shrivastava	Assistant Professor, PGIFER, KU, Himmatnagar	

25	Dr. Dharmendra Shukla	Principal & Dean (I/C), MIDFT, Mahesana	Special Invitee
26	Dr. H. H. Panchasara	Research Scientist and Head, LRS, KU, SKNagar	Invited Member
27	Dr. S. V. Shah	Professor, LPM, CVSc & AH, KU, Anand	
28	Mr. Sujit Kumar	Assistant Professor, PGIFER, KU, Himmatnagar	

All Principal Investigators of Projects, Conveners & Rapporteurs from Veterinary, Dairy & Fisheries Faculties were present in the meeting.

Dr. M. S. Chauhan, Director & Vice Chancellor, NDRI, Karnal- Nominated Member, Representative from Commissioner of Fisheries, GoG and Shri D. R. Shah, MD, Vidya Dairy, Anand - Invited Member were not present.

The 5th Meeting of VASRC of Kamdhenu University was held in online/offline mode (<https://meet.google.com/ypa-biod-yaq>) on 07-08 March, 2022. The meeting started with Saraswati Vandana and KU Song.

The VASRC meeting was chaired by Dr. N. H. Kelawala, Hon'ble Vice Chancellor, Kamdhenu University, Gandhinagar.

Dr. R. G. Shah, at the outset, welcomed all the participants involved in online/offline mode and invited Dr. D. B. Patil for welcome address.

Dr. D. B. Patil, Director of Research & Dean PG Studies, KU welcomed Dr. N. H. Kelawala, Hon'ble Vice Chancellor, Kamdhenu University & Chairman, VASRC by offering bouquet. He also welcomed all the Committee Members, Deans from various Colleges, Dr. Bakul Patel, Nominee of Department of Animal Husbandry, Gandhinagar (Ex-Officio Member) and Principal Investigators (PIs) of VASRC. He gave brief introduction about the research work done by various scientists during Covid-19 pandemic and appreciated their efforts.

Hon'ble Vice Chancellor, in his introductory remarks informed about completion of education and extracurricular activities inspite of COVID-19 pandemic. He congratulated Directorate of Research team and Faculties of Veterinary, Dairy and Fisheries for organizing this research meeting. He advised thorough discussion on New Technical Programme in the VASRC meeting in order to arrive at good outcome of the meeting and recommendations for scientific community and farmers.

Item No. 5.1

Confirmation of the Minutes of the Fourth Meeting of VASRC, KU, held on 15-03-2021

Confirmed

Item No. 5.2

Action taken on the Minutes of the Fourth Meeting of VASRC, KU held on 15-03-2021

Action Taken Report is enclosed (Annexure-1).

Item No. 5.3

Approval of Research Projects –New Technical Programmes and Recommendations

Dr. R. G. Shah, Associate Director of Research, KU presented the Agenda Items and research projects reviewed are, **EIGHTY-FOUR** New Technical Programmes {Veterinary-65 [AH-36, AP-29 (Two NTP of Dairy Faculty were presented and included in Animal Production group)], Dairy-10, Fisheries-9}, **SEVEN** Ongoing Research Projects [Veterinary-4 (AH-3, AP-1), Fisheries-3], **FIVE** Recommendations (Veterinary-AP-1, Dairy-4) and **ONE** Completed Research Project (Veterinary-AH-1).

Note: Ongoing Research Projects and Completed Research Projects within KU (CDS, Amreli, PGIFER, PGIVER) were listed for information only. The recommendations of CDS, Amreli-4 and PGIVER-1 were presented.

Faculty wise technical sessions were conducted.

Dairy Faculty

The Technical session of Dairy Faculty was conducted on March 07, 2022 at 9:30 am onwards.

Chairman : Dr. Vimal Ramani, Dean, Dairy Faculty, KU, Amreli

Co- Chairman : Dr. J. B. Upadhyay, Principal, CDS, KU, Anand

Rapporteur : Dr. Atanu Jana, Professor & Head, Dairy Processing and Operations, SMC CDS, KU, Anand

DAIRY FACULTY		
NEW TECHNICAL PROGRAMME		
1. Sheth M. C. College of Dairy Science, Anand		
1	PI of the Project	Dr. S.V. Pinto, Professor and Head, Dairy Technology
	Title & project code NTP-D-AND-1 (2022)	Technology for manufacture of paneer incorporated with lemon rinds
	Remarks/Suggestions	House suggested Economics (i.e. cost) aspects to be dwelled upon (vs.control paneer).
2	PI of the Project	Dr. Atanu Jana, Professor & Head, Dairy Processing & Operations
	Title & project code	Technological means to produce value-added 'Bhapa

	NTP-D-AND-2 (2022)	dahi'
	Remarks/Suggestions	House suggested to Use control for similar product available commercially viz., Misti dahi/Greek Yoghurt
3	PI of the Project	Dr. B. M. Mehta, Associate Professor & Head Dairy Chemistry (Presented by Dr. Satish Parmar)
	Title & project code NTP-D-AND-3 (2022)	Developments of Methods for Detection of Adulterants in Milk and Milk Products
	Remarks/Suggestions	Nil
4	PI of the Project	Dr. B. M. Mehta, Associate Professor & Head Dairy Chemistry (Presented by Dr. Amit Jain)
	Title & project code NTP-D-AND-4 (2022)	Evaluation of <i>Moringa oleifera</i> pod powder as natural antioxidant in ghee (Under Plan Scheme-Evaluation of selected natural food additives for their suitability to enhance the quality of dairy products. B.H. 12951-01)
	Remarks/Suggestions	House suggested to incorporate 'Iodine value' and 'Saponification value' in tests to be done.
5	PI of the Project	Dr. B. M. Mehta, Associate Professor & Head Dairy Chemistry (Presented by Dr. Smitha Balakrishnan)
	Title & project code NTP-D-AND-5 (2022)	Evaluation of physico-chemical characteristics and biofunctional properties of probiotic whey and fruit based frozen candy
	Remarks/Suggestions	Nil
6	PI of the Project	Dr. Sreeja V. Assistant professor & Head, Dairy Microbiology
	Title & project code NTP-D-AND-6 (2022)	Evaluation of techno-functional attributes of <i>Weissella</i> Strains isolated from traditional fermented foods and human fecal matter
	Remarks/Suggestions	Nil
7	PI of the Project	Dr. Subrota Hati, Assistant Professor, Dairy Microbiology
	Title & project code NTP-D-AND-7 (2022)	Production and Characterization of Anti-diabetic and ACE inhibitory peptides from fermented camel milk
	Remarks/Suggestions	House suggested to focus on Camel milk products
8	PI of the Project	Yogesh Vekariya, Assistant Professor, Dairy Engineering
	Title & project code NTP-D-AND-8 (2022)	Development and Performance Evaluation of Hybrid Integrated Milk Cooling System
	Remarks/Suggestions	Nil
9	PI of the Project	Dr. M. D. Gurjar, Assistant Professor, Dairy Business Management
	Title & project code NTP-D-AND-9 (2022)	Financial Ratio analysis of Maahi Milk Producer Company

	Remarks/Suggestions	House suggested to interact with Maahi Milk Producers Co. for the financial analysis of Company and continue with program, if there is no denial from Maahi MP Co. within one month.
10	PI of the Project	Dr. Krunal C. Kamani, Assistant Professor, Dairy Business Management
	Title & project code NTP-D-AND-10 (2022)	Development of MOOC on Dairy Farming Techniques
	Remarks/Suggestions	House suggested to present the same in Animal Production group on 8 th March, 2022
11	PI of the Project	Dr. S. J. Jadav, Assistant Professor & I/c Head, Dairy Vigyan Kendra
	Title & project code NTP-D-AND-11 (2022)	Prevailing Crossbred Calf Mortality & its Pattern in Operational Area of Dairy Vigyan Kendra, Vejalpur
	Remarks/Suggestions	House suggested to seek guidance from Assoc. Director of Research, Dr. R.G. Shah. Performa to be presented on 8 th March, 2022 This project is also to be presented on 8 th March, 2022 related to Animal Health and Animal Production group
2. G. N. Patel, College of Dairy Technology, SKNagar		
1	PI of the Project	Dr. Amit Kumar, Associate Professor, Dairy Chemistry
	Title & project code NTP-D-SKN-1 (2022)	Assessment of Anti-oxidative effect of Olive (<i>Olea europaea L.</i>) leaves in ghee
	Remarks/Suggestions	Nil
RECOMMENDATION-DAIRY		
College of Dairy Science, Amreli		
1	PI of the Project	Mr. Mitul Bumbadiya, Assistant Professor, Dairy Chemistry
	Title & project code REC-D-AMR-1 (2022)	Study of novel preservatives alternative to formalin
	Remarks/Suggestions	<ul style="list-style-type: none"> • House suggested to Specify clearly in Recommendation that such test is for analytical purpose of raw milk only. • Mention clearly 'For scientific body and for Regulatory agencies' • Refine the Recommendation text • Economics to be ascertained when using recommended rate of preservatives (viz., 0.2% vs. 0.1%) • Ascertain Bronopol at level recommended which can be detected by any test
2	PI of the Project	Dr. Tanmay Hazra, Assistant Professor, Dairy Chemistry
	Title & project code REC-D-AMR-2 (2022)	Characterization of ghee prepared from sheep milk and evaluation of its shelf life during storage

	Remarks/Suggestions	<ul style="list-style-type: none"> • House suggested to Refine the recommendation text • Economics to be dealt • Director of Research suggested to prepare a Booklet showcasing salient points of Sheep milk products – including Feta cheese, etc.
3	PI of the Project	Mr. Akashkumar Solanki, Assistant Professor, Dairy Technology
	Title & project code REC-D-AMR-3 (2022)	Development of carrot juice based reduced sugar milk drink
	Remarks/Suggestions	<ul style="list-style-type: none"> • House suggested to consult Principal, SMC-CDS, Anand for recommendation text– write how much of sugar (sucrose) could actually be replaced using unrefined sucralose. • Avoid word ‘synthetic sweetener’ instead print ‘intense sweetener’; Specify TSS of carrot juice used. • Remove log cfu/ml for ‘Yeast and Mold’ or even for ‘Coliforms’
4	PI of the Project	Dr. V. M. Ramani
	Title & project code REC-D-AMR-4 (2022)	Identification of “signature sequence” associated with raw milk for quality and safety of dairy products: A metagenomics approach
	Remarks/Suggestions	Director of Research suggested to explore further for validation of research findings.
Action Taken: All the respective Principal Investigator (PI) of the Project, if required.		

General comments

Hon. Vice Chancellor, KU, Gandhinagar informed the house to take the suggestions as a challenge. Such suggestions are to be taken in true perspective and help in formulating refined Research projects by the Scientists. Quarterly report of the ongoing research (approved by VASRC) has to be intimated to the Directorate of Research, KU, Gandhinagar with difficulties, if any.

Director of Research, KU suggested, young staff members to consult Dr. A. Jana or other experienced staff member from SMC-CDS, Anand for any inputs to refine their research work/project.

At the end, Vote of Thanks was proposed by Dr. Vimal Ramani & Dr. R. G. Shah to all present in the meeting.

Fisheries Faculty

The Technical session of Fisheries Faculty was conducted on March 7, 2022 at 3:30 pm onwards

Chairman : Dr. S. I. Yusufzai, Principal, College of Fisheries Science, KU, Veraval

Co- Chairman : Dr. R. V. Borichangar, Principal, College of Fisheries Science, KU, Navsari

Rapporteur : Dr. Vivek Shrivastava, Assistant Professor, PGIFER, KU, Himmatnagar

FISHERIES FACULTY		
NEW TECHNICAL PROGRAMME		
1. College of Fisheries Science, Veraval		
1	PI of the Project	Dr. N. H. Joshi, Associate Professor, Aquaculture
	Title & project code NTP-F-VRL-1 (2022)	Biochemical characterization, antioxidant potential and phycocolloid content of seaweeds available on Saurashtra coast.
	Remarks/Suggestions	House suggested to 1. Compile a booklet on “Status of potential seaweeds at Saurashtra Coast”. 2. Suggested to correct the year of the project.
2	PI of the Project	Dr. H. V. Parmar, Assistant Professor, Aquaculture
	Title & project code NTP-F-VRL-2 (2022)	Impact of herbs Shatavari and Ashwagandha on growth performance of freshwater fish <i>Cirrhinus mrigala</i>
	Remarks/Suggestions	House suggested to 1. Quote the proper references regarding the % incorporation of the herbs 2. Suggest to clarify the formulation and method of incorporation of herbs in feed. 3. Remove the word efficacy from the ppt.
3	PI of the Project	Dr. V. M. Chavda, Assistant Professor, Fisheries Resource Management
	Title & project code NTP-F-VRL-3 (2022)	Reproductive biology of the Malabar grouper (<i>Epinephelus malabaricus</i>) landed at fishing harbour, Veraval
	Remarks/Suggestions	House suggested to study the reproductive biology viz. length, weight and gonadal studies.
4	PI of the Project	Dr. T. H. Dave, Assistant Professor, Fisheries Resource Management
	Title & project code NTP-F-VRL-4 (2022)	Seaweed diversity and their associations with gastropods along the intertidal coast of Loej, Gujarat.
	Remarks/Suggestions	House suggested to 1. Remove checklist word from the objective 2. Remove the word non-destructive
5	PI of the Project	Dr. V. C. Bajaniya, Assistant Professor, Fisheries Resource Management
	Title & project code NTP-F-VRL-5 (2022)	Marine fish catch composition of mechanized gill netters off Porbandar coast, Gujarat.
	Remarks/Suggestions	Nil
6	PI of the Project	Dr. B. G. Chudasama, Assistant Professor, Fish Processing Technology
	Title & project code	Effect of chitosan, gelatin and chitosan-gelatin based

	NTP-F-VRL-6 (2022)	coating blended with clove essential oil on the quality attributes of peeled shrimp (<i>Litopenaeus vannamei</i>) stored under refrigerated condition.
	Remarks/Suggestions	House suggested to correct the tenure/year of the project.
7	PI of the Project	Dr. J. B. Solanki, Assistant Professor, Fish Processing Technology
	Title & project code NTP-F-VRL-7 (2022)	Effect of active and vacuum packaging on the quality of dried white fish (<i>Lactarius lactarius</i>) during storage period.
	Remarks/Suggestions	Nil
8	PI of the Project	Dr. J. N. Thaker, Assistant Professor, Aquatic Environment Management
	Title & project code NTP-F-VRL-8 (2022)	Assessment of phytoplankton diversity of Hiran-2 reservoir, Gir Somnath District, Gujarat
	Remarks/Suggestions	House suggested to incorporate the primary productivity studies for efficient correlation between qualitative and quantitative analysis.
2. PGIFER, Himmatnagar/ Centre of Excellence, Ukai		
1	PI of the Project	Dr. Smit Lende
	Title & project code NTP-F-UKAI-1 (2022)	Genetic characterization and nutritional profiling of few indigenous Fishes of Tapi District.
	Remarks/Suggestions	House suggested to club the objectives 3 and 4 1. Suggested to mention the word “exclude sampling during monsoon season” 2. Instead of PGIFER in the VARSC report use Centre of Excellence, Ukai 3. Suggested the following modification in title • Remove the word “a” • Replace “locally available fish species” with “few indigenous fishes” • Replace “Tapi region” with “Tapi District”
ONGOING PROGRAMME*		
*Presented in Pre- VASRC meeting of PGIFER, Himmatnagar (18-02-2022)		
PGIFER, Himmatnagar		
1	PI of the Project	Dr. Smit Lende
	Title & project code ONG-F-HMT-1 (2022)	Mapping of endo- & ectoparasites in some freshwater fishes along reservoirs of Sabarkantha District, Gujarat
2	PI of the Project	Dr. Smit Lende
	Title & project code ONG-F-HMT-2 (2022)	Status of fish disease and health management practices in rural freshwater aquaculture of Tapi District of Gujarat
3	PI of the Project	Dr. Smit Lende
	Title & project code ONG-F-HMT-3 (2022)	Survey study on socio-economic status of fish farmers and fishermen of Tapi District, Gujarat
Action Taken: All the respective Principal Investigator (PI) of the Project, if required.		

As the suggestion given by the house during 4th VASRC meeting to present the project report after its completion, Dr Vivek Shrivastava, Assistant Professor PGIFER, KU, Himmatnagar has presented the reports on the feasibility of Inland saline aquaculture at Rohika (Brakish aquaculture), Bhamasara.

The meeting ended with vote of thanks by Mr. Sujit Kumar, Assistant Professor, PGIFER, KU, Himmatnagar to the chair.

Veterinary Faculty- Animal Health Group

The Technical session of Animal Health group of Veterinary Faculty was conducted on March 08, 2022 at 9:30 am onwards.

Chairman: Dr. P. H. Tank, Principal and Dean, CVSc & AH, KU, Junagadh

Co-chairman:

Dr. D.V. Joshi, Principal, CVSc & AH, KU, Sardarkrushinagar

Dr. M. N. Brahmbhatt, Principal, CVSc & AH, Anand

Rapporteur:

Dr. S. K. Bhavsar, Professor & Head- VPT, CVSc & AH, KU, Anand

Dr. R. M. Patel, Professor & Head- VCC, CVSc & AH, KU,

Sardarkrushinagar

The session commenced with formal welcome by Dr. R. G. Shah, ADR, KU. Dr. D. B. Patil, Director of Research and Dean, PG studies welcomed Hon.Vice-Chancellor, Chairman, Co-chairman, rapporteurs and ADR. Dr. N. H. Kelawala, Hon. Vice-Chancellor, KU gave his introductory remarks. He congratulated all scientists for excellent work despite COVID-19. He informed that the scientists have submitted a large number of New technical programmes. He suggested to keep a full day for each subject group for presentation and discussion from next VASRC. He wished that fruitful discussions will bring out innovative ideas to conduct the new technical programmes. In total 36 NTPs in Animal Health group were presented and approved.

VETERINARY FACULTY		
NEW TECHNICAL PROGRAMME -ANIMAL HEALTH		
1. College of Veterinary Science & AH, Anand		
The new technical programmes were presented by Dr. P. V. Patel, Convener (Animal Health), Professor and Head, Department of Veterinary Parasitology, CVSc &AH, KU, Anand		
1	PI of the Project	Dr. K. A. Sadariya, Assistant Professor, Veterinary Pharmacology & Toxicology
	Title & project code NTP-VAH-AND-1 (2022)	To evaluate immunomodulatory activity of cinnamon oil (<i>Cinnamomum zeylanicum</i>) in broiler.
	Remarks/Suggestions	House suggested to mention IAEC approval number and include day of sacrifice in the Experimental design.
2	PI of the Project	Dr. K. A. Sadariya, Assistant Professor, Veterinary Pharmacology & Toxicology
	Title & project code	To evaluate growth promoting effects of clove oil

	NTP-VAH-AND-2 (2022)	(<i>Syzygium aromaticum</i>) in broiler.
	Remarks/Suggestions	House suggested to mention IAEC approval number.
3	PI of the Project	Dr. P. V. Patel, Professor & Head, Veterinary Parasitology
	Title & project code NTP-VAH-AND-3 (2022)	The study of the seasonal prevalence of gastrointestinal parasites by faecal examination of captive deer and antelope at Sri Sayajibaug Zoo, Vadodara.
	Remarks/Suggestions	Nil
4	PI of the Project	Dr. V. D. Chauhan, Assistant Professor, Veterinary Parasitology
	Title & project code NTP-VAH-AND-4 (2022)	Molecular detection for the presence of the resistant gene in the housefly against pyrethroid insecticides.
	Remarks/Suggestions	Nil
5	PI of the Project	Dr. G. C. Mandali, Professor, Veterinary Medicine
	Title & project code NTP-VAH-AND-5 (2022)	Comparative Efficacy of Herbal and Allopathic Medicine on Clinical Mastitis in Goats.
	Remarks/Suggestions	House suggested to modify the technical programme -Remove 2 nd group -Use somatic cell count
6	PI of the Project	Dr. Sunant K. Raval, Professor & Head, Veterinary Medicine
	Title & project code NTP-VAH-AND-6 (2022)	To study therapeutic effect of anthelmintics against gastrointestinal parasites of birds kept at Sri Sayajibaug Zoo, Vadodara.
	Remarks/Suggestions	House suggested to use word "Prevalence" rather than "Epidemiology" in one of the objectives. Remove information about epidemiological parameter as observations are less.
7	PI of the Project	Dr. B. B. Bhanderi, Associate Professor, Veterinary Microbiology
	Title & project code NTP-VAH-AND-7 (2022)	Isolation, identification and antibiogram of cloacal microflora from caged zoo birds of Shri Sayaji Baug zoo, Vadodara
	Remarks/Suggestions	House suggested to replace caged word by Captive & approved with few clarifications without any modifications.
8	PI of the Project	Dr. R. A. Mathakiya, Assistant Professor, Veterinary Microbiology
	Title & project code NTP-VAH-AND-8 (2022)	Antimicrobial resistance genes profiling of <i>Escherichia coli</i> isolates for colistin resistance and integrons
	Remarks/Suggestions	House suggested to mention species of animals in the objectives in place of "various animals".
9	PI of the Project	Dr. R. A. Mathakiya, Assistant Professor,

		Veterinary Microbiology
	Title & project code NTP-VAH-AND-9 (2022)	Whole genome sequencing and genome mining of <i>Escherichia coli</i> isolates for AMR genes
	Remarks/Suggestions	House suggested to modify objective & consult AMR experts, if require.
10	PI of the Project	Dr. V. R. Nimavat, Assistant Professor, Veterinary Microbiology
	Title & project code NTP-VAH-AND-10 (2022)	Enumeration and comparison of total viable bacterial count from bovine dung
	Remarks/Suggestions	House suggested to collect faecal samples from animals which are not treated with antibiotic recently. House opined to reduce variables (Age, sex, season <i>etc</i>) to arrive at good conclusions and opined that this project will help to find out No. of CFU/Bacteria present in faecal samples of pure and crossbred cows as well as Surti Buffalo as it is advocated for use in natural farming.
11	PI of the Project	Dr. M. T. Panchal, Professor, Veterinary of Gynaecology and Obstetrics
	Title & project code NTP-VAH-AND-11 (2022)	Therapeutic management of transmissible venereal tumour in dogs.
	Remarks/Suggestions	House suggested to use Anti-tumor drugs as per standard protocols and modify the names of investigators
12	PI of the Project	Dr. M. T. Panchal, Professor, Veterinary of Gynaecology and Obstetrics
	Title & project code NTP-VAH-AND-12 (2022)	Peripartum nutritional management and postpartum fertility in Gir cows
	Remarks/Suggestions	House suggested to study the economic aspects in the study
13	PI of the Project	Dr. K. K. Hadiya, Associate Professor, Veterinary of Gynaecology and Obstetrics
	Title & project code NTP-VAH-AND-13 (2022)	Applicability of Conventional, CASA and Flow Cytometry Based In Vitro Sperm Function Assays in Predicting Field Fertility of Cryopreserved Bovine Semen
	Remarks/Suggestions	Nil
14	PI of the Project	Dr. J. H. Chaudhary, Assistant Professor, Veterinary Public Health & Epidemiology
	Title & project code NTP-VAH-AND-14 (2022)	Evaluation of the antimicrobial potential of zinc nanoparticles
	Remarks/Suggestions	House suggested <ul style="list-style-type: none"> 1. Add one control group with basic Zn 2. No. of person involved in experimentation be modified. 3. To include conventional Zinc-oxide along with nano form. 4. If required take help of CDS, Amreli which has good facility to characterize

		nanoparticles.
15	PI of the Project	Dr. J. B. Nayak, Associate Professor, Veterinary Public Health & Epidemiology
	Title & project code NTP-VAH-AND-15 (2022)	Determination of prevalence of <i>Vibrio</i> spp. in fish and their environment
	Remarks/Suggestions	House suggested to add AMR study and opined to consult Dr. Sujit Kumar, PGIFER, Himmatnagar for improvement of the programme, if required.
16	PI of the Project	Dr. P. V. Parikh, Professor & Head, Veterinary Surgery & Radiology
	Title & project code NTP-VAH-AND-16 (2022)	Surgical management of canine mammary neoplasia along with adjuvant Doxorubicin chemotherapy
	Remarks/Suggestions	House suggested to include histopathology of tumor margins after resection.
17	PI of the Project	Dr. J. J. Parmar, Assistant Professor, Veterinary Surgery & Radiology
	Title & project code NTP-VAH-AND-17 (2022)	Clinical studies on surgical anaesthesia using Glycopyrrolate Dexmedetomidine- Butorphanol for premedication with Tiletamine-Zolazepam induction and Isoflurane maintenance in dogs and cats
	Remarks/Suggestions	House suggested to continue with the programme as clinical trial.
18	PI of the Project	Dr. J. K. Mahla, Assistant Professor, Veterinary Surgery & Radiology
	Title & project code NTP-VAH-AND-18 (2022)	Studies on prevalence and management of lameness in horses
	Remarks/Suggestions	House suggested 1. Mention a minimum no. 50 of cases in a year 2. Refine the technical programme
19	PI of the Project	Dr. Neha Rao, Assistant Professor, Veterinary Clinical Complex
	Title & project code NTP-VAH-AND-19 (2022)	Studies on ear mites in cats and its therapeutic management.
	Remarks/Suggestions	House suggested to remove different groups and treat after obtaining owners consent after explaining the treatment options.
20	PI of the Project	Dr. Martina Gamit, Assistant Professor, Livestock Products Technology
	Title & project code NTP-VAH-AND-20 (2022)	Standardization and evaluation of chicken cutlets prepared with <i>moringa oleifera</i> flowers
	Remarks/Suggestions	House suggested to compare results with good data available in the public domain.
21	PI of the Project	Dr. K. M. Panchal, Professor, Veterinary Anatomy and Histology
	Title & project code NTP-VAH-AND-21 (2022)	Gross, Morphology and Histology of Mesenteric Lymph Nodes in Goat (<i>Capra hircus</i>)

	Remarks/Suggestions	House suggested that Sample should be collected from abattoir & suggested to delete word local abattoir from the project.
2. College of Veterinary Science & AH, SKNagar		
The new technical programmes were presented by Dr. C.F. Chaudhary, Convener (Animal Health), Associate Professor, Department of Veterinary Gynecology and Obstetrics, CVSc &AH, KU, Sardarkrushinagar		
1	PI of the Project	Dr. H. B. Patel, Associate Professor, Veterinary Pharmacology and Toxicology
	Title & project code NTP-VAH-SKN-1 (2022)	Expression of PGP by curcumin and its effects on pharmacokinetics of marbofloxacin in broilers.
	Remarks/Suggestions	House suggested to use nanocurcumin in place of conventional curcumin. Dr. Patel replied that they will experiment with conventional curcumin this time and if encouraging results are obtained then will use nano-curcumin.
2	PI of the Project	Dr. H. B. Patel, Associate Professor, Veterinary Pharmacology and Toxicology
	Title & project code NTP-VAH-SKN-2 (2022)	In silico screening of phytomolecules against bovine rota virus
	Remarks/Suggestions	Nil
3	PI of the Project	Dr. S. K. Mody, Professor & Head, Veterinary Pharmacology and Toxicology
	Title & project code NTP-VAH-SKN-3 (2022)	Disposition kinetics of marbofloxacin in broiler birds alone and along with organic acids.
	Remarks/Suggestions	Nil
4	PI of the Project	Dr. S. S. Patel, Assistant Professor, Veterinary Microbiology
	Title & project code NTP-VAH-SKN-4 (2022)	Detection and molecular characterization of Newcastle disease virus (NDV) from poultry
	Remarks/Suggestions	House suggested to consult Experts to improve the programme, if required.
5	PI of the Project	Dr Samir H. Raval, Assistant Professor, Regional Animal Disease Investigation Centre
	Title & project code NTP-VAH-SKN-5 (2022)	Detection of <i>Neospora caninum</i> in aborted bovine/bubaline dam and fetuses.
	Remarks/Suggestions	House inquired about no. of positive samples to be included in the experiment. Dr. Raval replied that they have mentioned total samples to be screened and not positive samples.
6	PI of the Project	Dr. P.T. Sutaria, Assistant Professor, Veterinary Surgery & Radiology
	Title & project code NTP-VAH-SKN-6 (2022)	Clinical study on traumatic injuries in peacocks (<i>Pavo cristatus</i>)
	Remarks/Suggestions	House suggested to improve treatment groups. Also suggested to use Implant/ Infusion pumps in place of conventional technologies and give Intra-osseus fluid therapy. Also advised the PI to take permission of "Gujarat Bio-diversity Board,

		Gandhinagar". Suggested to perform post-mortem of the dead birds. It was also suggested by the house to compare data using statistical tools.
7	PI of the Project	Dr. A. N. Suthar, Assistant Professor Veterinary Medicine
	Title & project code NTP-VAH-SKN-7 (2022)	Correlation between infrared thermometer measured body surface temperature and mercury/digital thermometer measured rectal temperature in bubaline
	Remarks/Suggestions	Nil
3. College of Veterinary Science & AH, Navsari		
The new technical programmes were presented by Dr. M. D. Patel, Associate Professor, Convener (Animal Health), Associate Professor, Department of Veterinary Medicine, CVSc &AH, KU, Navsari.		
1	PI of the Project	Dr. R. Menaka, Assistant Professor, Veterinary Anatomy & Histology
	Title & project code NTP-VAH-NVS-1 (2022)	Gross and histomorphological observations of orbital glands in fowl
	Remarks/Suggestions	Nil
2	PI of the Project	Dr. Niranjan Kumar, Associate Professor, Veterinary Parasitology
	Title & project code NTP-VAH-NVS-2 (2022)	Development of polymerase spiral reaction assay for the rapid detection of <i>Anaplasma marginale</i> in the bovine
	Remarks/Suggestions	Nil
3	PI of the Project	Dr. S. M. Parmar, Assistant Professor, Veterinary Clinical Complex
	Title & project code NTP-VAH-NVS-3 (2022)	Ultrasonographic assessment of abdominal affections in dogs.
	Remarks/Suggestions	House suggested that one clinician should perform Ultrasonography. Also suggested to improvise the techniques and come with some innovative work from next VASRC.
4	PI of the Project	Dr. Rajeev Kumar, Assistant Professor, Veterinary Public Health & Epidemiology
	Title & project code NTP-VAH-NVS-4 (2022)	Detection and characterization of <i>Pseudomonas aeruginosa</i> in raw milk from dairy animals.
	Remarks/Suggestions	Nil
5	PI of the Project	Dr. J. K. Raval, Assistant Research Scientist, Livestock Research Station
	Title & project code NTP-VAH-NVS-5 (2022)	Standardization of dried blood spot (DBS) for differential leukocyte count (DLC) in Surti buffaloes.
	Remarks/Suggestions	Nil
4. College of Veterinary Science & AH, Junagadh		
The new technical programmes were presented by Dr. B. B. Javia, Convener (Animal Health), Associate Professor, Department of Veterinary Microbiology, CVSc & AH, KU, Junagadh.		
1	PI of the Project	Dr. U. D. Patel, Associate professor and Head,

		Veterinary Pharmacology & Toxicology
	Title & project code NTP-VAH-JND-1 (2022)	<i>In vitro</i> and <i>in vivo</i> evaluation of acaricidal effect of polyherbal oil mixture on ticks
	Remarks/Suggestions	Nil
2	PI of the Project	Dr. Anil Sharma, Assistant Professor, Veterinary Anatomy
	Title & project code NTP-VAH-JND-2 (2022)	Effect of seasons on histoarchitecture and histochemistry of pancreas of Jaffarabadi buffalo
	Remarks/Suggestions	House suggested to take care in the time of collection of the samples as levels may have Circadian effect. Also appreciated the research work under taken as no data is available in buffalo. However, suggested to study about Insulin resistance in buffalo.
3	PI of the Project	Dr. R. J. Padodara, Assistant Professor, Veterinary Physiology & Biochemistry
	Title & project code NTP-VAH-JND-3 (2022)	Studies on salivary fern pattern during estrus cycle in Gir cow and Jaffrabadi buffalo
	Remarks/Suggestions	House suggested to collect samples at specific time. <i>i.e.</i> before and after feeding and watering. Also, suggested to use the word “estrous” if planning to work during that period only. House also suggested to compare salivary and vaginal fern pattern and also enquired about how to detect salivary fern pattern?
5. College of Veterinary Science & AH, Himmatnagar New Technical-Nil, Ongoing-4: AH-3, AP-1, Completed-1: AH-1		
ONGOING PROGRAMME*		
*Presented in Pre- VASRC meeting of PGIVER- Himmatnagar (16-2-2022)		
1	PI of the Project	Dr. C. M. Bhadesiya, Assistant Professor, PGIVER, Himmatnagar
	Title & project code ONG-VAH-HMT-1 (2022)	Prevalence of diseases of animals & birds at Veterinary Hospital of Kamdhenu University
2	PI of the Project	Dr. C. M. Bhadesiya, Assistant Professor, PGIVER, Himmatnagar
	Title & project code ONG-VAH-HMT-2 (2022)	Etiodiagnosis of bacterial mastitis in milch animals of Himmatnagar Taluka, Gujarat
3	PI of the Project	Dr. G. R. Chaudhary, Assistant Professor, PGIVER, Himmatnagar
	Title & project code ONG-VAH-HMT-3 (2022)	Effect of FMD vaccination on production and reproduction in the cows and buffaloes-ongoing
COMPLETED PROGRAMME*		
*Presented in Pre- VASRC meeting of PGIVER- Himmatnagar (16-2-2022)		
1	PI of the Project	Dr. C. M. Bhadesiya, Assistant Professor, PGIVER, Himmatnagar
	Title & project code COM-VAH-HMT-1 (2022)	Comparative morphological study of hair of different animals
Action Taken: All the respective Principal Investigator (PI) of the Project, if required.		

At the end of the session Dr. P. H. Tank, Dr. D.V. Joshi and Dr. M. N. Brahmhatt expressed their concluding remarks. Dr. D. B. Patil in his concluding remarks congratulated all the PIs and teaching faculties for excellent new technical programmes. He advised all the clinical department to take patient owners “Informed consent” before conducting experiment on hospital patient population. He also suggested to commence a new head of “Clinical cases” presentation from next VASRC. He also informed the house that DR office will issue appropriate guidelines for annual, ongoing and new technical programme reports preparation as well as for presentation of the same. He expressed his gratitude for all teaching staff and staff of DR office for making this VASRC meeting successful. Dr. R.G. Shah, ADR proposed vote of thanks. Thereafter meeting of Animal Health group concluded.

Veterinary Faculty- Animal Production Group

The Technical session of Animal Production group (New Technical Programmes and Recommendations) of Veterinary Faculty was conducted on March 08, 2022 at 3:30 pm onwards.

Chairman: Dr. B. P. Brahmkshtri, Principal and Dean, CVSc & AH, KU, Himmatnagar

Co-chairman: Dr. V. B. Kharadi, Principal, CVSc & AH, KU, Navsari

Rapporteur:

Dr. D. N. Rank, Professor & Head- AGB, CVSc & AH, KU, Anand

Dr.P. R. Pandya, Professor & Head-Nurition, CVSc & AH, KU, Anand

Dr. N. B. Patel, Associate Professor, LRS, CVSc & AH, KU, Navsari

Total 27 New Technical Programmes were presented during the session that includes, CVSc & AH, Anand – 18, CVSc & AH, Sardar Krushinagar – 02, CVSc & AH, Navsari – 03 and CVSc & AH / PGIVER, Himmatnagar – 04. Also, 2 new technical programmes from SMC College of Dairy Science, Anand were presented during the session. Further, one recommendation for scientific community was presented by CVSc & AH / PGIVER, Himmatnagar and approved by the house.

VETERINARY FACULTY		
NEW TECHNICAL PROGRAMME		
ANIMAL PRODUCTION GROUP		
1. College of Veterinary Science & AH, Anand		
1	PI of the Project	Dr. S. G. Vahora, Associate Professor, Animal Nutrition Research Station
	Title & project code NTP-VAP-AND-1 (2022)	Study of nutritional status of dairy animals of Anand district (B.H.: 5029)
	Remarks/Suggestions	House suggested to replace the word “treatment” with “methodology” in the technical programme
2	PI of the Project	Dr. P. R. Pandya, Professor, Animal Nutrition Research Station

	Title & project code NTP-VAP-AND-2 (2022)	Effect of Different feeding methods on Performance of Lactating Crossbred Cows (B.H.: 12971)
	Remarks/Suggestions	Nil
3	PI of the Project	Dr. P. R. Pandya, Professor, Animal Nutrition Research Station
	Title & project code NTP-VAP-AND-3 (2022)	Dietary interventions to enhance performance of growing crossbred heifers (B.H.: 12971)
	Remarks/Suggestions	House suggested to mention the age of animals
4	PI of the Project	Dr. P. R. Pandya, Professor, Animal Nutrition Research Station
	Title & project code NTP-VAP-AND-4 (2022)	<i>In-vitro</i> evaluation of babul pods and soap nut (<i>Sapindus mukorossi</i>) on methane emission (12993-06)
	Remarks/Suggestions	House suggested to include estimation of Tannin content in the technical programme
5	PI of the Project	Dr. P. R. Pandya, Professor, Animal Nutrition Research Station
	Title & project code NTP-VAP-AND-5 (2022)	Development of Environment Friendly Feeding Regimes for Dairy Cattle to Mitigate Methane Emission and Enhance Productivity (2029)
	Remarks/Suggestions	Nil
6	PI of the Project	Dr. M. A. Shekh, Assistant Professor, Animal Nutrition Research Station
	Title & project code NTP-VAP-AND-6 (2022)	Growth performance of post weaned kankrej calves on direct fed microbials based ration (GUJCOST)
	Remarks/Suggestions	Nil
7	PI of the Project	Dr. K. N. Wadhvani, Professor, Livestock Research Station
	Title & project code NTP-VAP-AND-7 (2022)	Comparative performance of early weaned crossbred calves reared under different milk feeding regimes
	Remarks/Suggestions	Nil
8	PI of the Project	Dr. P. M. Lunagariya, Assistant Professor, Livestock Research Station
	Title & project code NTP-VAP-AND-8 (2022)	Growth Performance of Crossbred Heifers on High Plane of Nutrition
	Remarks/Suggestions	Nil
9	PI of the Project	Dr. P. M. Lunagariya, Assistant Professor, Livestock Research Station
	Title & project code NTP-VAP-AND-9 (2022)	Growth Performance of Crossbred Heifer Calves Fed Rumens Protected Lysine and Methionine
	Remarks/Suggestions	Nil
10	PI of the Project	Dr. P. M. Lunagariya, Assistant Professor, Livestock Research Station
	Title & project code NTP-VAP-AND-10 (2022)	Performance of Feeding Distillers Dried Grains with Solubles (DDGS) on Milk Production of Crossbred Cows

	Remarks/Suggestions	Nil
11	PI of the Project	Dr. J. H. Patel, Assistant Professor, Livestock Research Station
	Title & project code NTP-VAP-AND-11 (2022)	Assessment of earthworm species <i>Eisenia foetida</i> and <i>Endrullus engeniae</i> with day light alteration in vermicompost production
	Remarks/Suggestions	Nil
12	PI of the Project	Dr. N. P. Sarvaiya, Professor, RBRU
	Title & project code NTP-VAP-AND-12 (2022)	Study on Comparative urine endocrine profile of different breeds of cattle and buffaloes
	Remarks/Suggestions	House suggested 1. Replace term “correlation” (objective – 3) with “comparision” 2. Restrict the study only to estrous cycle and early post-partum period
13	PI of the Project	Dr. A. B. Patel, Assistant Professor, Poultry Research Station
	Title & project code NTP-VAP-AND-13 (2022)	Effects of varying levels of dietary energy and crude protein on juvenile growth performance and economics of rearing Ankaleshwar chicken (B.H. 12388)
	Remarks/Suggestions	Nil
14	PI of the Project	Dr. M. M. Islam, Assistant Professor, Pashupalan Sanshodhan Kendra, Ramna Muvada
	Title & project code NTP-VAP-AND-14 (2022)	Comparative study of buck effect and hormonal protocol for synchronization of estrus in Surti goats.
	Remarks/Suggestions	House suggested 1. Use GPG (GnRH-Prostaglandin—GnRH) or G6G protocol instead of PGF2 α as T1 group 2. Finalize the treatment regime consulting Dr. R. G. Shah
15	PI of the Project	Dr. M. M. Trivedi, Professor, Livestock Production Management / Livestock Farm Complex
	Title & project code NTP-VAP-AND-15 (2022)	Effect of different floor space allowance on growth and feed efficiency of post weaned Indigenous lambs under intensive rearing system
	Remarks/Suggestions	Nil
16	PI of the Project	Dr. Y. G. Patel, Assistant Professor, Livestock Production Management / Livestock Farm Complex
	Title & project code NTP-VAP-AND-16 (2022)	Supplementation of <i>Moringa oleifera</i> as concentrate source on growth performance of Surti kids.
	Remarks/Suggestions	House suggested to mention the age group of experimental animals.
17	PI of the Project	Dr. D. N. Rank, Professor & Head, Animal Biotechnology

	Title & project code NTP-VAP-AND-17 (2022)	PCR-RFLP based validation of SNPs and their association with egg production and egg weight in Anand Synthetic White Leghorn chicken and Anand Bantamised White Leghorn chicken.
	Remarks/Suggestions	House suggested 1. Replace the scientist's name "Dr. D. N. Rank" with "Dr. A. C. Patel" 2. Specify in the title, the genes to be investigated
18	PI of the Project	Dr. Ashish C Patel, Assistant Professor, Animal Genetics and Breeding
	Title & project code NTP-VAP-AND-18 (2022)	SNPs identification in GHR, IGF-I, OCX-32 and GDF9 genes and their association with egg production in Anand Synthetic White Leghorn and Anand Bantamised White Leghorn Chicken.
	Remarks/Suggestions	Nil
2. College of Veterinary Science & AH, SKNagar		
1	PI of the Project	Dr. Pankaj A. Patel, Assistant Professor, Veterinary Physiology & Biochemistry
	Title & project code NTP-VAP-SKN-1 (2022)	Melatonin expression patterns during breeding and non-breeding season in short day and long day breeders.
	Remarks/Suggestions	House suggested to drop goat from investigation, restrict study to sheep and horse only
2	PI of the Project	Dr. J. D. Chaudhari, Asst. Professor, Animal Genetics & Breeding
	Title & project code NTP-VAP-SKN-2 (2022)	Influence of service period on ranking of Mehsana buffalo bulls based on first lactation milk yield.
	Remarks/Suggestions	Nil
3. College of Veterinary Science & AH, Navsari		
1	PI of the Project	Dr. Mamta Janmeda, Associate Professor, Animal Genetics & Breeding
	Title & project code NTP-VAP-NVS-1 (2022)	Study on A1/A2 β casein protein gene variants of Surti buffalo, Gir and Crossbred cattle using PCR-RFLP.
	Remarks/Suggestions	House suggested to 1. Drop buffalo from investigation 2. Samples/animals to be investigated - minimum 100 per cattle breed 3. Delete "Surti buffalo" in the title
2	PI of the Project	Dr T. K. S. Rao, Assistant Professor, Livestock Production Management
	Title & project code NTP-VAP-NVS-2 (2022)	Development of weight estimation formula using linear type traits and its comparative efficacy to predict live body weight in Surti goats.
	Remarks/Suggestions	House suggested to 1. Replace word "technique" with "formula" in the objective 2. Animals to be investigated - minimum 75 3. Drop objective - 3

3	PI of the Project	Dr Gopal Puri, Associate Professor, Veterinary Physiology & Biochemistry
	Title & project code NTP-VAP-NVS-3 (2022)	Haemato-biochemical alteration in dogs infected with leptospirosis
	Remarks/Suggestions	House suggested to add some new parameters instead of routine haemato-biochemical parameters after consulting Professor, Department of Microbiology and modify the title, objectives and observations to be taken accordingly
4. College of Veterinary Science & AH, Junagadh- Nil		
5. College of Veterinary Science & AH/PGIVER, Himmatnagar		
1	PI of the Project	Dr. L. M. Sorathiya, Associate Professor, PGIVER, Himmatnagar
	Title & project code NTP-VAP-HMT-1 (2022)	Study on Mastitis in Sheep Flocks of Himmatnagar Taluka in association with nongenetic Factors
	Remarks/Suggestions	House suggested to modify the title as “Influence of non-genetic factors on occurrence of mastitis in the sheep flocks of Himmatnagar Taluka”
2	PI of the Project	Dr. Brijal C. Barot, Assistant Professor, CVSc & AH, Himmatnagar
	Title & project code NTP-VAP-HMT-2 (2022)	Study of animal husbandry practices by camel cart owners in Sabarkantha District.
	Remarks/Suggestions	House suggested to 1. Modify the title as “Survey on camel husbandry practices by camel cart owners in Sabarkantha district” 2. To consult statistician to decide the layout of the experiment 3. To finalize the questionnaire and present in the joint combined AGRESCO
3	PI of the Project	Dr. Shveta N. Patel, Assistant Professor, CVSc & AH, Himmatnagar
	Title & project code NTP-VAP-HMT-3 (2022)	Study of nutritional management practises in specialized dairy farms of Sabarkantha district
	Remarks/Suggestions	House suggested to 1. To define the farm size, with minimum 25 milking animals per farm. 2. Merge objectives 2 and 3
4	PI of the Project	Dr. S. D. Rathwa, Assistant Professor, CVSc & AH, Himmatnagar
	Title & project code NTP-VAP-HMT-4 (2022)	Study on feeding practices and physio-biochemical changes in buffaloes suffering from ketosis
	Remarks/Suggestions	House suggested to 1. To consult Dr. Vishal Suthar and refine the experiment. 2. Include investigator from Department of Medicine and/or Gynaecology

6. SMC College of Dairy Science, Anand		
1	PI of the Project	Dr. Krunal C. Kamani, Assistant Professor Dairy Business Management
	Title & project code NTP-VAP/Dairy-AND-1 (2022)	Development of MOOC on Dairy Farming Techniques
	Remarks/Suggestions	Nil
2	PI of the Project	Dr. S. J. Jadav, Assistant Professor & I/c Head, Dairy Vigyan Kendra
	Title & project code NTP- VAP/Dairy -AND-2 (2022)	Prevailing Crossbred Calf Mortality & its Pattern in Operational Area of Dairy Vigyan Kendra, Vejalpur
	Remarks/Suggestions	House suggested to 1. Replace terms “Crossbred cattle calves” with “Crossbred calves” 2. Merge the objectives 2 and 3
RECOMMENDATION-VETERINARY		
1. College of Veterinary Science & AH/PGIVER, Himmatnagar		
1	PI of the Project	Dr. V. S. Suthar, Assistant Professor, PGIVER, Himmatnagar
	Title & project code (REC-VAP-HMT-1 (2022))	Expression of selected biomarker candidate genes to confer <i>in vitro</i> maturation of oocytes in Indian buffaloes
	Remarks/Suggestions	Nil
ONGOING PROGRAMME*		
*Presented in Pre- VASRC meeting of PGIVER- Himmatnagar (16-2-2022)		
1	PI of the Project	Dr. L. M. Sorathiya, Associate Professor, PGIVER, Himmatnagar
	Title & project code (ONG-VAP-HMT-1 (2022))	Study on Existing Farm Hygiene Practices in Correlation with Mammary Gland and Hoof Affections in Milch Animals.
Action Taken: All the respective Principal Investigator (PI) of the Project, if required.		

Resolution

It is resolved that the Veterinary and Animal Sciences Research Council (VASRC) of Kamdhenu University approves **EIGHTY-FOUR** New Technical Programmes [Veterinary-65 (Two NTP of Dairy Faculty were presented and included in Animal Production group of Veterinary Faculty), Dairy-10, Fisheries-9], **SEVEN** Ongoing Research Projects [Veterinary-4 (AH-3, AP-1), Fisheries-3], **FIVE** Recommendations (Dairy-4, Veterinary- AP-1) and **ONE** Completed Research Project (Veterinary-AH-1).

5.4 Any other item with permission of the Chairman

NIL

General Recommendations

- **Incorporate suggestions from the house and submit revised Research Reports (New Technical Programme, Ongoing Technical Programme, Completed Research Projects and Recommendations) within 15 days.**

- **All the Principal Investigators are informed to submit quarterly progress report of New Technical Programme and Ongoing Research Project. Suggested to adhere to this general Recommendations and it is mandatory for PI to present the report.**

Hon. Vice-Chancellor, KU gave concluding remarks as under:

- Positive attitude required when criticism is given.
- Publish the recommendations in the form of booklet for wider circulation to the stakeholders.
- Scientists are advised to choose uniform methodology for Research Programme.
- Recommendations shall be made from the research work conducted.
- It is mandatory for Principal Investigator (PI) of the project to present the report and give brief introduction.
- PI to submit quarterly report in time. The Principal/Dean of respective faculty will thoroughly screen the report and submit to Director of Research.
- In New Technical Programme, the responsibilities of Co-investigators are fixed and accordingly contribution shall be specified in percentage and there shall not be more than 3 Co-PIs. If more than 4, then justify each member with percentage of work distribution.
- The date of IAEC permission taken to be mentioned in the project.
- Uniformity in Year of completion. It is as per Academic year 1st January- 31st December.
- To consider plagiarism.
- Publish the work in good NAAS rating Journals.
- Obtain biodiversity permission from authority, if required.
- Prior to project proposal, screen it thoroughly and appropriately review the literature/ work done. This will strengthen the project before it is presented in the VASRC.

The meeting ended with vote of thanks by Dr. R. G. Shah, Associate Director of Research. He expressed gratitude to Hon'ble Vice Chancellor, KU for his valuable inputs in the meeting. He also conveyed thanks to Dr. D. B. Patil, Director of Research for important suggestions and valuable guidance in the meeting and gratitude to all the Deans/Principals of various Colleges, Nominee of Director of Animal Husbandry Department, Dr. Bakul Patel, all the PI, CO-PI and all the members of VASRC committee, team of Directorate of Information Technology and Directorate of Research, KU.

S/d.
**Director of Research
 & Dean PG Studies**