

## PROCEEDINGS OF XI<sup>th</sup> EXTENSION AND CONTINUING EDUCATION COUNCIL MEETING

The XI<sup>th</sup> Extension and Continuing Education Council meeting was held on 8<sup>th</sup> February 2019; 11.00 a.m. at University Headquarter, Nagpur under the chairmanship of Prof. A. M. Paturkar, Hon'ble Vice Chancellor, MAFSU, Nagpur.

Following members were present during the meeting.

1.	Prof. A. M. Paturkar, Hon'ble Vice Chancellor, MAFSU, Nagpur	Chairman
2.	Dr. N. N. Zade, Director (Instruction) & Dean (Vet.), MAFSU, Nagpur	Ex-Officio Member
3.	Dr. A. P. Somkuwar, Director of Research, MAFSU, Nagpur and Associate Dean, College of Fishery Science, Nagpur	Ex-Officio Member
4.	Dr. V. C. Ingle, Dean (Lower Education), MAFSU, Nagpur	Ex-Officio Member
5.	Dr. P. G. Wasnik, Dean (Dairy Technology), MAFSU, Nagpur and Associate Dean, Dairy Technology College, Warud, Pusad, Yeotmal	Ex-Officio Member
6.	Dr. D. M. Mankar, Director, Extension Education, Dr. PDKV, Akola	Ex-Officio Member
7.	Dr. P. L. Dhande, Associate Dean, BVC, Mumbai	Ex-Officio Member
8.	Dr. R. K. Ambadkar, Associate Dean, NVC, Nagpur	Ex-Officio Member
9.	Dr. A. S. Bannaliker, Associate Dean, KNP COVS, Shirwal	Ex-Officio Member
10.	Dr. R. R. Mugle, Associate Dean, COVAS, Udgir	Ex-Officio Member
11.	Dr. N. M. Markandeya, Associate Dean, COVAS, Parbhani	Ex-Officio Member
12.	Dr. H. S. Birade, Associate Dean, PGIVAS, Akola	Ex-Officio Member
13.	Dr. M. R. Patil, Associate Dean, CDT, Udgir	Ex-Officio Member
14.	Dr. B. S. Khillare, Associate Dean, COFS, Udgir	Ex-Officio Member
15.	Dr. Manjusha Pundlik, DCAH, Nagpur (Representative Commissioner ADF)	Ex-Officio Member
16.	Dr. H. G. Gadwe, Regional Dairy Development Officer, Nagpur (Representative Commissioner Dairy Development)	Ex-Officio Member
17.	Dr. Dinesh T. Bhosale, Former Chairman, CLFMA of India, Pune	Nominated Member

18	Shri. C. Nandanpawar, Dy. Director (Prog.) Doordarshan Kendra, Mumbai	Nominated Member
19	Dr. M. B. Bansode, Managing Director, Punyashlok Ahilyadevi Sheep and Goat Development Board, Pune	Nominated Member
20	Dr. Ravindra Hari Patil, Entrepreneur in Poultry Breeding, Jalgaon	Nominated Member
21	Shri. Nilkanth Kodhe	Nominated Member
22	Dr. Satender Singh Arya, CEO, ASCI, Gurgaon	Co-opted Member
23	Shri. Ashok Dhote	Co-opted Member
24	Dr. Sharad Bharsakale	Co-opted Member
25	Dr. P. T. Jadhao, Director of Extension Education, MAFSU, Nagpur	Member Secretary

At the outset, Dr. P. T. Jadhao, Director of Extension Education, welcomed all the members of the Extension and Continuing Education Council and felicitated Prof. A. M. Paturkar, Hon'ble Vice Chancellor, MAFSU and Chairman of the meeting by offering a book titled "Bairagad" written by Dr. Manohar Naranje based on the life and achievements of Dr. Ravindra Kolhe and Dr. Smita Kolhe, who strived hard for the betterment of tribal population in Amaravati District.

The number of farmers in the fields of veterinary, dairying and fisheries are regularly trained and guided by experts from MAFSU. A compilation of 59 such success stories, "MAFSU YASHOGATHA" was released on this occasion by the hands of Hon'ble Vice Chancellor, MAFSU in august presence of Hon'ble Members.

In the inaugural remarks of Hon'ble Chairman, Prof. A. M. Paturkar briefed the house on the stupendous achievements of previous year of MAFSU in teaching, research and extension. He informed the house that MAFSU has applied for 5 KVK's, and out of these 3 KVK's viz., one in Nagpur and another in Sangli district are approved by Indian Council of Agricultural Research (ICAR), New Delhi. He informed the house that the MAFSU has got 5 RKVY projects as well as ICMR MAFSU One Health Project at Nagpur during this year. The University has also received 2<sup>nd</sup> Prize at ICAR All India Vice-chancellors Meet for securing highest number of JRFs in All India Entrance Examination in PG and PhD. He also asked to all Associate Deans of Constituent colleges under MAFSU to submit 2 to 3 projects under RKVY.

Dr. P. T. Jadhao, Director of Extension Education presented the summary of extension activities conducted by the university during the previous year and as per the suggestions and recommendations of the house, next year extension activities were finalized. In his review, Dr. Jadhao mentioned the action taken by all the constituent colleges as suggested by the Hon'ble EC Members during Xth Meeting of Extension Council. He mentioned that as suggested both the Dairy Technology Colleges have conducted Two Days Workshop on "Safe Milk Production" instead of "Clean Milk Production". He assured the house that the university shall strive hard to further excel its performance in terms of extension activities under the leadership of Hon'ble Vice Chancellor, MAFSU. The house applauded the University for its Success in the recent years.

After this the regular agenda of the meeting was taken up.

**SUBJECT NO. 11/1: Confirmation of minutes of the X meeting of Extension and Continuing Education Council held on 5<sup>th</sup> March, 2018.**

Dr. P. T. Jadhao informed the house that the minutes of the X meeting of Extension and Continuing Education Council were circulated to all the members and no suggestion and correction have been received from the members. The house then unanimously confirmed the minutes of the last Extension and Continuing Education Council Meeting and passed following resolution.

**RESOLUTION NO. 11/1: The house confirms the minutes of the X meeting of the Extension and Continuing Education Council held on 5<sup>th</sup> March, 2018.**

**SUBJECT NO. 11/2: Compliance of the decisions taken in the X meeting of Extension and Continuing Education Council held on 5<sup>th</sup> March, 2018.**

**Sr. No. 1 Brief review of regular extension activities undertaken during the year 2018**

Dr. P. T. Jadhao, Director of Extension Education, MAFUS presented the review of extension activities of MAFSU and action taken report on the recommendations of the 10<sup>th</sup> Extension and Continuing Education Council meeting held on 5<sup>th</sup> March, 2018.

Hon'ble Vice Chancellor advised all Associate Dean of constituent colleges to purchase foldable Travis for the treatment of animals under field condition. He also said that the Associate Deans shall inform the academic staff working under them that they must have at least two extension publications otherwise it would be reflected in their confidential report. He also informed that the PG students can prepare and deliver the talks related to livestock, A.H. and fisheries on the Community Radio Station of IGNOU, Nagpur.

Dr. Dinesh Bhosale, Hon'ble member suggested that the MAFSU should have its own YouTube Channel for streaming informative video clips, documentaries and success stories, etc. He also advised that MAFSU shall conduct field studies to assess the effectiveness of schemes, projects and animal husbandry services, etc. For that purpose, he opined to prepare questionnaire, to take feedback and assessment should be done in collaboration with the office of Joint Director of Animal Husbandry. Dr. M. B. Bansode, Managing Director, Punyashlok Ahilyadevi Sheep and Goat Development Board, Pune suggested to have third party evaluation of MAFSU schemes and projects.

Dr. R. Patil opined that field studies can be conducted for the studying impact of livelihood projects in tribal areas and the factual position may be reported on SWAYAM. Such studies can be conducted through Earn While Learn Programmes involving students.

Hon'ble Chairman informed the house that MAFSU has recently registered to "Unnat Bharat Abhiyan" for skill development of youth and entrepreneurs. Further, he said that by collaborating with other traditional universities the skill based training can be given to the students of other universities. The universities shall come together and plan to have villages adopted in the various districts of Vidarbha through "Unnat Vidarbha Abhiyan (UVA)" where skill based programmes on livestock and fisheries will be provided, so that the young generation turned back to the farming sector.

Dr. Mankar suggested that various android based mobile applications shall be developed on the animal husbandry, dairy and fishery practices by the MAFSU. Upon this, Dr. S. P. Landge informed the house that the apps on the goat, dairy and poultry practices have been already developed by the university and new apps will be developed in coming year. Dr. Mankar also said that the University shall also conduct impact assessment studies based on proper methodology.

Dr. Bansode suggested that the MAFSU shall take Ration Balancing Programme to all the districts of Maharashtra. If required MAFSU can have collaboration with NDDB for this purpose because the NDDB has its own app named "Pashu Poshan". Hon'ble Vice-Chancellor informed that the State Dept. of A.H. has undertaken a campaign "Chara Saksharata Abhiyan". Dr. Bhosale informed that "Pashu Poshan" Application of NDDB is not much user friendly and hence the university shall prepare region wise need based applications. On this Hon'ble Chairman asked all the Associate Deans to check whether such region wise apps can be prepared and if so, each college shall have at least one app for the benefit of farmers.

**RESOLUTION NO. 11/2: The house expressed satisfaction about the extension activities of MAFSU undertaken during the calendar year 2018.**

**SUBJECT NO. 11/3: Regular extension activities to be undertaken during the calendar year 2018.**

Dr. P. T. Jadhao, Director of Extension Education, MAFSU, Nagpur presented the proposed extension activities of MAFSU to be undertaken during the calendar year 2019 for discussion. The house unanimously approved the proposed extension activities of MAFSU to be undertaken during calendar year 2019.

**RESOLUTION NO. 11/3: The Extension and Continuing Education Council unanimously approves the proposed extension activities of MAFSU to be undertaken during the calendar year 2019 (Annexure – I).**

**SUBJECT NO. 11/4: Training programmes to be conducted for farmers and field veterinarians.**

Dr. P. T. Jadhao, Director of Extension Education, MAFSU, Nagpur presented the department wise details of the training programmes for farmers, field veterinarians, veterinary practitioners, fish farmers, women self-help groups, unemployed youths and entrepreneurs, pashu sakhi, matsya sakhi, etc. that are to be conducted by all the constituent colleges of MAFSU. After brief discussions, the house unanimously approved the training programmes that are to be conducted by all the constituent colleges of MAFSU during the calendar year 2019.

**RESOLUTION NO. 11/4: The Extension and Continuing Education Council unanimously approved the training programmes to be conducted by constituent colleges of MAFSU during the calendar year 2019 (Annexure – II).**

**SUBJECT NO. 11/5: Strengthening of extension education programmes**

Dr. P. T. Jadhao, Director of Extension Education, MAFSU, Nagpur informed the house that the extension activities of the university are being conducted with zeal and vigor and have yielded good results. The proposed activities for the next year can surely create visibility of the university in larger section of the society and will benefit various stakeholders especially the farming community.

**RESOLUTION NO. 11/5: The Extension and Continuing Education Council appreciates the efforts taken by MAFSU to improve the various extension programmes in the State.**

**SUBJECT NO. 11/6: Review of the extension activities conducted by the constituent colleges during the year Jan. to Dec. 2018.**

Dr. P. T. Jadhao requested all the Associate Deans of the constituent colleges to present the report of extension activities carried out by the respective colleges.

#### **1. MUMBAI VETERINARY COLLEGE, MUMBAI**

The report of Mumbai Veterinary College, Mumbai was presented by Dr. M. N. Sawant, In-charge Department of Veterinary and A.H. Extension, MVC, Mumbai. He informed the house about regular extension activities of the college such as trainings, demonstrations, NSS camps, publication of popular articles, etc. In addition he specially mentioned the work carried out under Hygienic Meat Production and Processing in the department of VPH. He was asked by Hon'ble Chairman to undertake awareness programme on Opportunities in the Veterinary Sciences in the area under jurisdiction of MVC, Mumbai.

Dr. Satyender Singh Arya suggested that, short video clips should be developed by the UG and PG students. Such video clips alongwith AV aids developed by the university may be displayed on the college as well as university website for mass communication. In addition, he said that the colleges should have tentative calendar of extension activities to be conducted. He also mentioned as per the notification of 2013 from the National Skill India Mission, New Delhi that training programmes of 200 Hours duration and above are only called as Short Term Training Programmes while the training programmes of 3 to 5 days duration conducted in MAFSU shall be termed as Up skilling Training Programmes. He suggested that the success stories in MAFSU Yashogatha shall not be repeated year after year. The Hon'ble Vice Chancellor agreed to this and directed all the Associate Deans to make necessary corrections in Training Certificates.

Dr. Kodhe suggested that the university must arrange camps in fodder scarcity areas where demonstrations, animal examinations, guidance about feed and fodder, etc. will be delivered to the livestock owners. He said that the fodder scarcity talukas shall be identified by the Animal Husbandry Department where joint programmes will be conducted for strengthening the fodder based services. The Hon'ble Vice Chancellor directed all the Associate Deans to collect the baseline survey and collect the data on situations in the

drought prone areas before and after the interventions of programmes conducted by various constituent colleges of MAFSU.

**(Action: DET & All Associate Deans)**

## **2. NAGPUR VETERINARY COLLEGE, NAGPUR**

The report of various extension activities undertaken by Nagpur Veterinary College, Nagpur was presented by Dr. R. K. Ambadkar, Associate Dean of the college. He provided glimpses of Farmer's Workshops, Camps, Awareness Campaign, Training Programmes, NSS Camps conducted at farmer's suicide affected areas, Workshops for NCC Cadets, etc. He further informed the house that the college regularly conducts the training programmes for farmers, entrepreneurs, unemployed youths, pashu sakhi, on the aspects of goat farming, backyard poultry, dairy farming, value added milk & meat products, etc. The college has conducted National Training Programmes sponsored by Ministry of Agriculture, Govt. of India for the Scientists and Officers of the State A.H. Departments from all over the India. The college has tradition of felicitating the Progressive Livestock Entrepreneurs and Women Entrepreneurs by awarding them with Mementos and Appreciation Certificate during the various workshops conducted by college.

Dr. Arya suggested that the university shall take active participation in the programmes of "Maharashtra State Skill Mission". He elaborated that under the "Pradhan Mantri Krishi Kaushalya Vikas Yojana", the government has set target of skilling of more than 2 Lakh persons under the centrally sponsored and centrally managed scheme. The university can opt for any suitable Vocational Training Module under the Skill Mission. For that the university can approach to the Maharashtra State Skill Mission for recognition of that Module and Bridge Stations. He also said that for organizing such programmes the Skill India Mission can provide required funds. Upon this the Hon'ble Vice-chancellor directed the Associate Deans of Constituent colleges to come up with suitable training module for submission to National Skill India Mission.

Hon'ble Member Shri. Ashok Dhote suggested that the university shall involve participation of NGOs in its extension related programmes. Dr. Markandeya informed the house the university has already registered with Agriculture Skill Development Board, New Delhi.

**(Action: DEE & All Associate Deans)**

### **3. KNP COLLEGE OF VETERINARY SCIENCE, SHIRWAL**

Dr. A. S. Bannalekar, Associate Dean, Krantisinh Nana Patil (KNP) College of Veterinary Science, Shirwal presented the report on various extension activities of the college for the last year. He mentioned about the extension work carried out by the college in the drought prone areas in the districts of Satara and Sangali, development of Goat Vision App, A short film on Hydroponics Unit and Development of Information Kiosk, etc.

Hon'ble Member Dr. Bansode suggested to conduct assessment of cross breeds of Goats in the areas around Shirwal and there is need to conduct awareness programmes and brain storming sessions for promotion of pure breeds of Sheep and Goats.

Dr. Bannalekar pointed that the strategic policy for breeding of Goats is being prepared based on the recommendations of Shirwal Veterinary College and the decision of ICAR, New Delhi on the said report is awaited.

Dr. Markandeya put forth that the cross breeding of Osmanabadi and Boar by NGOs shall not be propagated. Upon this Hon'ble Vice Chancellor directed Associate Dean of all colleges to prepare at least one leaflet / pamphlets highlighting ill effects of cross breeding. Similarly publicity on the same aspect shall be made through television and radio talks as well as related articles for newspapers for mass awareness by the experts of all the constituent colleges.

Dr. Bharsakle said that the university must take stand on cross breeding problem because it has responsibility of food safety and quality, breed conservation, etc.

Hon'ble Vice Chancellor directed the Associate Deans of all constituent colleges to undertake extension programmes on cross breeding of Goat and Sheep.

**(Action: DEE & All Associate Deans)**

### **4. COLLEGE OF VETERINARY AND ANIMAL SCIENCES, PARBHANI**

Dr. N. M. Markandeya, Associate Dean College of Veterinary and Animal Sciences, Parbhani in his report mentioned about the survey of Goshalas in the state conducted by the college and the booklet on Artificial Insemination prepared by him.

Hon'ble Member Dr. Bharsakle asked about role of MAFSU in certifying meat and milk products. On this Hon'ble Vice chancellor mentioned that MAFSU is not an authorized



agency to verify pesticides and heavy metal residues in meat and milk products but the said job is undertaken by Accredited NABL Private Certification Laboratories.

Hon'ble Members Shri. Kodhe and Dr. Bhosale asked for the information on AGP in Chicken, Toxins in Milk being sold these days and Quality of Eggs and the agency testing the quality of eggs in India. The Hon'ble Vice Chancellor said that if a company needs quality assurance certificate it can approach colleges under MAFSU where research trials are undertaken and reports are provided to the respective company.

Hon'ble Member Dr. Bharsakle mentioned that the milk adulteration test shall be developed by the university. The Hon'ble Vice Chancellor has replied that the university already developed standardized Kit for testing Milk Adulteration in 2005.

He further said that for any publication by staff with outsider publishers he / she must take permission from university authority. For publishing articles, books, booklets, the staff may get it published through Director of Extension Education, MAFSU. In addition such publication shall bear ISSN / ISBN Number and the University and College Name with Logo. The programmes with private agencies and NGOs shall be conducted as collaborative programmes and the staff should inform about it to such private agencies / NGOs beforehand. He further said that a proper six monthly training calendar (Jan. to June and July to Dec.) shall be prepared by all the constituent colleges and submit through proper channel to Director of Extension Education, MAFSU for uploading the MAFSU and College Websites.

**(Action: DEE & All Associate Deans)**

## **5. COLLEGE OF VETERINARY & ANIMAL SCIENCES, UDGIR**

Dr. R. R. Mugale, Associate Dean, COVAS, Udgir presented the review report of extension activities conducted by the college viz. farmer's training on management of livestock in drought, goat farming, model training course for state functionaries officers of animal husbandry from all over India, animal health camps, organization and participation in exhibitions and livestock shows, demonstrations, visit to animal shelters, celebration of various events, farmer's visit, etc.

Dr. Arya raised the issue of low cost dairy mechanization. On which Hon'ble Vice Chancellor said that each college shall have milking machine and the colleges shall promote the regular use of milking machine among the livestock owners. For this the colleges shall collaborate with Industry Partners and NDDDB. The publications regarding promotion of use

of milking machines shall have ISBN Numbers. Dr. Arya further suggested that the MAFSU must develop its Social Media Branding and it must have presence on Facebook and Twitter. The MAFSU can identify training needs of livestock and aquaculture farmers in Maharashtra. The university shall also undertake translation of Books on Livestock Farming and Fish Farming in Vernacular language and for that it shall identify expert translator. The Hon'ble Vice Chancellor said that the university has resource persons who can translate such book in Vernacular language. The outside agencies including National Skill India Mission can assign such work to MAFSU with acknowledgement.

**(Action: DEE & All Associate Deans)**

## **6. POST GRADUATE INSTITUTE OF VETERINARY AND ANIMAL SCIENCES, AKOLA**

Dr. H. S. Birade, Associate Dean, PGIVAS, Akola presented the extension report of the institute before the house *viz.* poultry farming training programme, organization and participation in exhibitions and livestock shows, demonstrations, farmer's visit, etc. He specifically informed the house about the successful organization of Goat exhibition before Eid Festival where many goat owners get benefited through market avenues established by the institute. He also informed the house about plantation of new fodder variety Nutrifeed on the college farm and wide publicity given through mass media.

Dr. Arya suggested that the constituent colleges shall replace adopted villages after every three years with baseline survey and mapping for fodder plantation with yard stick in adopted villages, etc. He also suggested to have account of programmes being conducted by each faculty of every college.

**(Action: DEE & All Associate Deans)**

## **7. COLLEGE OF DAIRY TECHNOLOGY, WARUD**

Dr. P. G. Wasnik, Associate Dean, College of Dairy Technology (CDT), Warud presented the report of the extension activities of the college before the house. He mentioned that the college has organized "Kshetriya Kissan Goshti" (Regional Farmers Meet) and "Baliraja Chetana Abhiyaan" in the Farmers Suicides affected districts in Vidarbha. He also informed the house that because of the efforts of the college, the farmers could submit the proposal on Khoa Cluster to the Govt. of Maharashtra. The modalities on Establishment of Solar Operated Skim Generator are also finalized by the college. The college has also taken

initiative in sensitizing the farmers on Water Harvesting and Conservation in adopted villages. He also mentioned that the college has submitted proposals regarding “Strengthening of Milk Producers” and “Enhancement of Livelihood through Value Additions” to funding Agencies ATMA and RKVY respectively.

Dr. Arya suggested to move project proposals in time to get them sanctioned. The Hon’ble Vice Chancellor suggested that the Vidya Dairy is a good model to showcase and replicate further. The college should prepare project proposals on the similar lines and submit to the NDDB.

**(Action: Associate Dean, CDT, Warud)**

## **8. COLLEGE OF DAIRY TECHNOLOGY, UDGIR**

Dr. M. R. Patil, Associate Dean of CDT, Udgir narrated the extension work carried by the DTC Udgir. Hon’ble Vice Chancellor asked Dr. Patil about “The Techniques to Detect the Adulteration in Paneer and Other Milk Products”. He was also asked about the “Myths regarding Utilization of Goat Milk”. Hon’ble Vice Chancellor further directed to publish Leaflet / Pamphlet on “Milk Adulteration” and also to spread awareness regarding this. He also directed for “Development of Unconventional Milk Products” by both the colleges from Goat Milk, Sheep Milk and Camel Milk, etc. He pointed out that the college has capacity of processing 100 lit. of milk per day which can be flavoured, packaged and marketed on small scale on initial basis.

Dr. A. S. Bannaliker suggested that the COVAS, Udgir has Goat Rearing facility and the Goat Milk from that farm can be given to DTC, Udgir for further processing.

**(Action: Associate Dean, COVAS and DTC, Udgir)**

## **9. COLLEG OF FISHERY SCIENCES, NAGPUR**

Dr. A. P. Somkuwar, Associate Dean of College of Fishery Science (COFS), Nagpur presented the report of various extension activities including on farm demonstrations, farmers training programs, extension publications, radio programs, rallies, workshop, exhibitions, fish farmer’s visits to the college, visits to the adopted villages, work in villages under Mera Gaon Mera Gaurav and the extension projects funded by DST, New Delhi and STRC, Gadchiroli, etc. He also mentioned about the “Fabrication of Hygienic Fish Retail Unit” at the college for its commercialization in near future. He said that the colleges under MAFSU are looking after the promotion of fish culture in Inland Fishery Sector and the development of Shrimp

Culture in Coastal areas is the per view of Central Institute of Fisheries Education (CIFE), Mumbai and College of Fisheries, Ratnagiri.

Dr. Arya pointed out that Cage Fish Culture is not focused in the presentation to which Dr. Somkuwar replied that the Cage Fish Culture is being already promoted by the college through action plan for fisheries and aquaculture development in Vidarbha to the Govt. of Maharashtra and Trainings and Workshops being carried out by college. Dr. Arya suggested that the college may send proposals to Agriculture Skill Council of India (ASCI), New Delhi or National Fishery Development Board (NFDB), Hyderabad for Training on “Cage Culture” to the farmers and entrepreneurs.

Hon’ble Vice Chancellor directed to prepare such proposal and submit it to the above agencies as early as possible.

**(Action: DEE & Associate Dean, COFS, Nagpur and Udgir)**

## **10. COLLEGE OF FISHERY SCIENCES, UDGIR**

Dr. Khillare Associate Dean of the college presented the report of extension activities such as, on farm demonstrations, trainings on value addition of fish products, participation in exhibitions, activities at adopted villages, etc.

Hon’ble Vice Chancellor said that both the fishery college has not mentioned anything related to Ornamental Fisheries.

He was of the opinion that both the fishery colleges should have “Ornamental Fish Breeding and Rearing Unit” at their campus and collages must promote these activities among the farmers and entrepreneurs, etc.

**RESOLUTION NO. 11/6: The Extension and Continuing Education Council expressed satisfaction about the extension activities being undertaken by the colleges in the year 2019.**

## **CONCLUDING REMARKS**

Dr. P. T. Jadhao, DEE, MAFSU invited the concluding remarks from the members.

Dr. Arya pointed out that the fisheries faculty in the university is not sufficient to deliver better extension services to the farmers. The websites of constituent colleges shall be

cross linked to the university MAFSU website whereby the literature in local language can be made available to the farmers on a single platform. He also stated that the University can identify the freelancers in the field of veterinary, dairy and fishery sciences for promoting MAFSU research and extension accomplishments.

Dr. Bansode said that the Sheep rearing is practiced in major parts of the Western Maharashtra, so training programmes for shepherds on “Sheep Rearing” shall be conducted at KNP College of Veterinary Science, Shirwal. He further said that data on shepherd population and their routes of migration needs to be generated. He also elaborated the need of Network Programming of Pig Rearing to be started at Shirwal. Hon’ble Vice Chancellor agreed to this suggestion and directed concern Associate Dean to initiate such programme at Shirwal.

Dr. Mankar suggested that the demonstration units on “Quail Rearing” and “Pearl Culture” can be established in the constituent colleges of MAFSU. He also raised the issue of Farm Pond Sizes under the Govt. of Maharashtra Scheme – “*Magel Tyala Shet Tale*” wherein the farm ponds with 10 meter are created. On this Dr. P. A. Telvekar explained that the farm ponds under the govt. scheme are basically created for water conservation purpose and depths of such ponds are between 3 to 4 meters. These farm ponds can be utilized for fish culture and the fish varieties like Catla and Rohu are most suitable cultivable species in farm pond.

Shri. Kodhe and Dr. H. G. Gadwe, Regional Dairy Development Officer, Nagpur suggested that the District Dairy Federations can be involved in the MAFSU extension programmes such as Trainings, Workshops, Farmers Scientist Meets, Group Discussions, etc. as a joint venture or collaborative programmes. Upon this Hon’ble Vice Chancellor directed concerned Associate Deans of both the Dairy Technology colleges to involve District Dairy Federations in future such programmes.

Dr. H. G. Gadwe, Regional Dairy Development Officer, Nagpur mentioned that there should be collaboration between MAFSU, Dairy Department and Dairy Cooperatives in the efforts so that the gap between potential of dairy development and present condition can be minimized.

Shri. Ashok Dhote expressed concern over the quality of cattle feed and enquired about the right fish species to be stocked in the farm ponds collectively owned by farmers group. Upon this, Dr. Telvekar replied such farm ponds are often layered with polythene

sheets where the farmers can stock fingerlings of carp species such as Catla and Rohu only after pond water manuring.

Shri. Kodhe suggested that the joint workshops should be organized by involving Dairy Cooperatives, NGOs, MAFSU, Municipal Corporations, Z.P., State Department of A.H., etc.

Shri. Nandanpawar appealed to increase the number of TV talks. Upon this Hon'ble Vice Chancellor directed all the Associate Deans to give more topics for TV Talk.

Dr. Bharsakle asked that the university shall undertake proximate analysis of cattle feed and fodder and the compositions of the protein, fat, moisture, salt, etc. shall be made available to the farmers. Hon'ble Vice Chancellor informed the Hon'ble members that the work on proximate analysis of cattle feed and fodder has already been undertaken by MAFSU and the results of the same are also published. The technology of feed block is under the process of getting patented and the concerned student has been awarded at national level. Hon'ble Vice Chancellor further said that the work on "Utilization of Unconventional Feed Source for Animals" is in the process of getting patented which will be a boost for livestock farmers and farming community.

Dr. Bharsakle also enquired about the work being undertaken by MAFSU on Embryo Transfer Technology. Hon'ble Vice Chancellor briefed that four embryos have been successfully transferred and the results of the same are awaited.

Prof. A. M. Paturkar, Hon'ble Vice Chancellor thanked all Hon'ble members for their precise inputs and valuable suggestions. He further emphasized to have collaborative research and extension programmes with State Department of Animal Husbandry, Dairy Development and State Fisheries Department and also with national institutes like IVRI, NDRI, NDDB, CIFE and NFDB and also with agencies like ATMA, KVK, NGOs, etc. for improving the extension activities of the university.

The meeting ended by the vote of thanks proposed by Dr. Sariput Landge, Technical Officer, Directorate of Extension and Training, MAFSU, Nagpur.

**-SD/-**

**Director of Extension and Training  
MAFSU, Nagpur**