

**Proceedings of the XVII Meeting of the National Agricultural Education  
Accreditation Board of ICAR held on October 26, 2016 at Board Room,  
NASC Complex, New Delhi-110 012**

The Meeting of the National Agricultural Education Accreditation Board was held on October, 2016 under the Chairmanship of Dr. Trilochan Mohapatra, Secretary, DARE & Director General, ICAR to discuss the reports of the Peer Review Teams of Agricultural Universities conducted during April to October, 2016 and the ATRs submitted by the Agricultural Universities to decide the accreditation to these Universities / Colleges / Programmes. The following were present in the Board Meeting:

- |    |                         |   |                 |
|----|-------------------------|---|-----------------|
| 1. | Dr. Trilochan Mohapatra | Secretary (DARE) & DG (ICAR),<br>Krishi Bhavan, New Delhi | Chairman        |
| 2. | Dr. N.S. Rathore        | DDG (Agril. Education), ICAR, KAB-II,<br>Pusa, New Delhi  | Vice-Chairman   |
| 3. | Dr. S.N. Puri           | Former VC, CAU, Imphal                                    | Member          |
| 4. | Dr. K. Ramasamy         | VC, TNAU, Coimbatore                                      | Member          |
| 5. | Dr. S.S. Magar          | Former VC, DBSKKV, Dapoli                                 | Member          |
| 6. | Dr. S.S. Chahal         | Former VC, MPUA&T, Udaipur                                | Member          |
| 7. | Dr. Ravinder Kaur       | Director, IARI, New Delhi                                 | Member          |
| 8. | Dr. G. Venkateshwarlu   | ADG (EQR), ICAR, KAB-II, Pusa,<br>New Delhi               | Secretary       |
| 9. | Dr. K.L. Khurana        | Pr. Scientist (EQR), ICAR, KAB-II,<br>Pusa, New Delhi     | Special invitee |

At the outset, Dr. Trilochan Mahapatra extended a warm welcome to the Members of the Board and expressed the commitment of the Board towards the quality assurance for higher agricultural education with futuristic approach. According to the Chairman, it is the high time for both Agricultural Universities and ICAR to work in tandem for synergistic growth to the agricultural education in the country. Dr. N. S. Rathore emphasized the need for adherence to guidelines of Minimum Standards by all the colleges irrespective of its mode of governance throughout the country. Dr. S. N. Puri and Dr. S. S. Magar expressed that the ICAR Accreditation has now started showing positive impact on the quality of education in terms of development of facilities and faculty appointment. Dr. S. S. Chahal explained the need of improving the accreditation process with high degree of objectivity. Dr. K. Ramasamy was of the view that new courses may be designed through Deans'/BSMA committees. After introductory remarks, the proceedings were commenced with the permission of the Chair and arrived at the following decisions/recommendations:

**1. Confirmation of the Proceedings of the XVI Meeting of ICAR National Agricultural Education Accreditation Board (NAEAB) held on March 28, 2016**

As there were no comments received on the proceedings of the XVI Meeting of the Board held on 28<sup>th</sup> March, 2016, thus it was confirmed by the Board.

**2. Action Taken Report on the Recommendations of the XVI meeting of NAEAB held on March 28, 2016**

The Board critically examined the action taken on the decisions of the previous Board Meeting held on 28<sup>th</sup> March, 2016 and approved the following:

**2A. Review of the action taken on the general decisions of the Board**

No.	Decision	Action Taken
a.	Status of Accreditation to SAUs and its constituent colleges and programmes	Letters of accreditation have been sent to twelve universities.
b.	Remarks of NAEAB in its XV meeting held on 16.03.2015 and subsequently Action Taken Reports submitted by the five Agricultural Universities for consideration of their accreditation	Board has considered the Action Taken Reports and accredited five agricultural universities viz. ANGRAU, Hyderabad; PJTSAU, Telangana; DYSRHU, Venkataramannagudem; SKLTSHU, Telangana and GBPUAT, Pantnagar. Accreditation letters have been issued accordingly.
c.	Mahatma Phule Krishi Vidyapeeth, Rahuri; Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola; Dr. Bala Saheb Sawant Konkan Krishi Vidyapeeth, Dapoli; Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani for submission of Action Taken Reports for re-consideration of accreditation by the Board.	ATR of four agricultural universities of Maharashtra and comments/remarks of MCAER have been received for further consideration of Accreditation Board. The matter is being placed before Board for consideration.
d.	Based on the remarks of NAEAB in its previous meetings, Action Taken Reports submitted by the Agricultural Universities for consideration of colleges for accreditation:	Based on the ATR received from agricultural universities, seven agricultural colleges and its degree programmes of four AUs have been accredited by the Accreditation Board. Accreditation letters have been issued.
e.	Accreditation of New Universities having old constituent colleges	Decision of the Board has been communicated to the five Agricultural Universities viz. TNFU, Nagapattinam; UAHS, Shimoga; AU, Jodhpur; SPVNRTSUVAF, Hyderabad and

		KUFOS, Kochi vide letter Edn. 5/32/2015-EQR Dated 21 <sup>st</sup> June, 2016.
f.	Clarification of accreditation status of seven AUs namely, GADVASU, Ludhiana; CCS HAU, Hisar; KVFSU, Bidar; UAS, Raichur; UBKV, Cooch Bihar; CSKHPKV, Palampur and IGKV, Raipur accredited in March, 2013	Noted.
g.	Based on the remarks of NAEAB in its previous meeting (March, 2014), Action Taken Report submitted by the College of Co-operation, Banking and Management, KAU, Thrissur for consideration of their accreditation:	The ATR has been considered and Board has granted accreditation to some programmes having relevance with Agriculture and its allied sciences as per ICAR norms. The decision has been communicated to the concerned university.
h.	Comments on the report of "Evaluation and accreditation of non-grant agriculture and allied sciences colleges affiliated to State Agricultural Universities" submitted by the committee under chairmanship of Dr. C.D. Mayee, Former Chairman ASRB, New Delhi.	The Board has recommended various suggestion/points for implementation of C.D. Mayee Committee Report and placed in the Accreditation Board for consideration.
i.	Admission of students through AIEEA to non-accredited colleges/universities under NARES	<p>(i) SSRs of Universities /Colleges/ Programmes received till 31<sup>st</sup> March, 2016 have been assessed by PRTs and considered in the Sectoral Committee on Governance/Personnel/Financial Policies held on 15.07.2016. Accordingly students were admitted.</p> <p>(ii) The Board decision on the seats allotment to RLBCAU, Jhansi has been communicated to the VC, RLBCAU, Jhansi vide letter Edn. 5/32/2015-EQR Dated 15<sup>th</sup> June, 2016.</p>
j.	There is a need to establish Institutional Quality Assurance Cell (IQAC) and designate a nodal person in the University, exclusively for matters related accreditation and subsequent follow-up. University wise list of Nodal persons to be displayed on ICAR website.	Nodal officers have been identified in each university to liason with the programmes of Agricultural Education. A meeting was organized with all the nodal officers to appraise the various activities of the Education Division.

k.	As per the suggestion of the Sectoral Committee, the Board approved the Sub-Committee to revise the guidelines for bringing high degree of objectivity in conducting assessment by PRT, score card, checklist for PRT format and PRT recommendations etc. and bring out revised Manuals including printing as per directives of the Board.	A committee has been constituted vide Office Order No.Edn.5/5/2016-EQR dated 13.05.2016. The committee has initiated the work and its first meeting was held on 28 <sup>th</sup> June, 2016. Board suggested that the Committee will finalize the guidelines at the earliest and it will be put up in the next Board meeting in March.
l.	The Grading System in Accreditation need to be developed and be lined with Grant-in-Aid from the Education Division as well.	It was referred to the Sub-Committee constituted for revision of the guidelines.
m.	PRT should be more critical in adjudging the instructional facilities of the universities in the line of Deans/BSMA committee's recommendations. There should be uniformity in academic calendar, adoption of Course Curricula, establishment of IQAC etc. in agricultural universities across the Country.	It was referred to the sub-committee.
n.	Though the agriculture and agricultural education are State Subjects, "Co-ordination and determinant of standards institutions for higher education or research and scientific and technical institutions" (Entry 66) is under Union List. Based on this provision, the Board may take initiatives to attain statutory powers either by legislative or executive order.	With approval of Hon'ble AM a committee to suggest appropriate policies for "Regulation of Higher Agricultural Education" under the Chairmanship of Dr. S.L. Mehta, Former DDG (Edn.) & VC, MPUAT, Udaipur was constituted vide Office Order No. Edn. 5/7/2016-EQR dated 07 <sup>th</sup> June, 2016. The final draft Bill on 'National Council for Higher Agricultural Education Bill. 2016' has been prepared after incorporating the comments of Legal Advisor, ICAR and being sent to the DARE for circulation among the concerned Ministries and to obtain necessary approval of the Cabinet for introduction in the Parliament.
o.	A Committee may be constituted to study the impact assessment of accreditation process so far implemented since its inception.	The Board suggested to constitute a Committee

*Verity*

## **2B. Review of the action taken report on the recommendations of the Board submitted by the four agricultural universities in Maharashtra**

Based on the remarks of NAEAB in its meetings held on 28.03.2015 and 28.03.2016; subsequent Action Taken Reports submitted by the four Agricultural Universities namely, Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani, Bala Saheb Konkan Krishi Vidyapeeth, Dapoli, Panjabrao Deshmukh Krishi Vidyapeeth, Akola and Mahatma Phule Krishi Vidyapeeth, Rahuri; Discussion with the Vice Chancellors of these universities; Discussion with the officers of the Maharashtra Council of Agricultural Education and Research, Pune and further examination of reports submitted by the Universities and MCAER and other official communications, the Board, while taking its broader view on the subject, critically deliberated the issue for consideration of PRT recommendations constituted for accreditation of these four agricultural universities. Based on the facts and figures available with the Board, it was observed that the administration of these four universities in question have clearly shown the determination to achieve minimum standards for higher agricultural education and a number of actionable points have been communicated to the Board. Based on all these, the Board took the following decisions:

### **2B.1. Mahatma Phule Krishi Vidyapeeth, Rahuri**

2B.1.1. Accreditation to the Mahatma Phule Krishi Vidyapeeth, Rahuri was approved for a period of two years (2016-17 and 2017-18).

2B.1.2. Accreditation to the following colleges and degree programmes were approved for a period of two years (2016-17 and 2017-18):

a) College of Agriculture, Pune

- B.Sc.(Agri.)
- M.Sc.(Agri.)
  - i. Agronomy
  - ii. Genetic and Plant Breeding
  - iii. Agricultural Economics
  - iv. Extension Education
  - v. Agricultural Entomology
  - vi. Plant Pathology
  - vii. Agricultural Microbiology
  - viii. Soil Science and Agricultural Chemistry
  - ix. Agriculture Meteorology
  - x. Floriculture and Landscaping
- MBA (Agri.)

b) College of Horticulture, Pune

- B.Sc.(Hort.)



- c) College of Agriculture, Kolhapur  
B.Sc.(Agri.)  
M.Sc.(Agri.)  
i. Agronomy  
ii. Genetic & Plant Breeding  
iii. Agricultural Economics  
iv. Agricultural Extension  
v. Agricultural Entomology  
vi. Agricultural Microbiology  
vii. Soil Science and Agricultural Chemistry  
viii. Vegetable Science
- d) College of Agriculture, Dhule  
B.Sc.(Agri.)  
M.Sc.(Agri.)  
i. Agronomy  
ii. Genetic & Plant Breeding  
iii. Agricultural Entomology  
iv. Plant Pathology  
v. Soil Science and Agricultural Chemistry  
vi. Animal Husbandry  
vii. Fruit Science (Hort.)
- e) Dr. Annasaheb Shinde College of Agriculture Engineering, MPKV, Rahuri  
• B.Sc.(Agri.)  
• M.Sc.(Agri.)  
i. Agricultural Process Engineering.  
ii. Irrigation and Drainage Engineering  
iii. Farm Machinery and Power  
iv. Soil and Water Conservation
- f) Post Graduate Institute, MPKV, Rahuri  
• M.Sc.(Agri.)  
i. Agronomy  
ii. Genetics & Plant Breeding  
iii. Plant Physiology  
iv. Seed Science Technology  
v. Agricultural Economics  
vi. Extension Education  
vii. Agricultural Entomology  
viii. Plant Pathology  
ix. Agricultural Microbiology  
x. Soil Science & Agricultural Chemistry  
xi. Bio-chemistry

- xii. Food Science & Technology
- xiii. Irrigation and Water Management
- xiv. Animal Husbandry
- xv. Dairy Science
- xvi. Fruit Science
- xvii. Vegetable Science

- M.Sc. Agri-Biotechnology
- Ph.D.
  - i. Agronomy
  - ii. Plan Breeding
  - iii. Plant Physiology
  - iv. Agricultural Economics
  - v. Extension Education
  - vi. Agricultural Entomology
  - vii. Plant Pathology
  - viii. Agricultural Microbiology
  - ix. Soil Science & Agricultural Chemistry
  - x. Biochemistry

2B.1.3. The MPKV, Rahuri is required to comply with the following conditions:

- a. There is an urgent need to fill-up all vacant faculty positions.
- b. An independent cell should be created to look after the academic affairs of the Private Affiliated Colleges with the University. NAEAB does not endorse the involvement of the faculty of the Constituent colleges of the University as well as the University Officers in the academic affairs of these colleges
- c. The complete functional autonomy for the University, as per the ICAR Model Act, need to be restored immediately, specially for the implementation of career advance schemes as well as appointment of Senior faculty and University Officers.
- d. The university should address the above issues in letter and spirit and submit action taken report annually. The Board desired that the above conditions need to be fulfilled by the University within two years (during the current accreditation period). Based on the compliance on the points (2B.1.3. a-c) only, the university may be considered for subsequent accreditation by the Board.



## **2B.2. Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani**

2B.2.1. Accreditation to the Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani was approved for a period of two years (2016-17 and 2017-18).

2B.2.2. Accreditation to the following colleges and degree programmes were approved for a period of two years (2016-17 and 2017-18) as below:

### **1. College of Agriculture, Parbhani and its following degree programmes**

- B.Sc. (Agriculture)
- M.Sc. (Agriculture) in
  - Agronomy
  - Agricultural Botany
  - Genetics & Plant Breeding
  - Plant Physiology
  - Seed Technology
  - Agricultural Economics
  - Extension Education
  - Animal Husbandry/Dairy Science
  - Agricultural Entomology
  - Plant Pathology
  - Soil Science & Agricultural Chemistry
  - Agricultural Meteorology
- M.Sc. (Horticulture) in
  - a. Fruit Science
  - b. Vegetable Science
  - c. Floriculture & Landscaping
- Ph.D. (Agriculture) in
  - Agronomy
  - Agricultural Botany (Genetics & Plant Breeding/Plant Physiology/Seed Technology)
  - Agricultural Economics
  - Extension Education
  - Animal Husbandry/Dairy Science
  - Agricultural Entomology
  - Plant Pathology
  - Soil Science & Agricultural Chemistry
  - Agricultural Meteorology
- Ph.D. (Horticulture) in
  - a. Fruit Science
  - b. Vegetable Science
  - c. Floriculture & Landscaping



2. College of Home Science, Parbhani and its following degree programmes
    - B.Sc. (Hons.) (Home Science)
    - M.Sc. (Home Science) in
      - Home Management
      - Food & Nutrition
      - Human Development & Family Studies
    - Ph.D. (Home Science) in
      - Food & Nutrition
  3. College of Food Technology, Parbhani and its following degree programmes
    - B.Tech. (Food Technology)
    - M.Tech. (Food Technology)
    - Ph.D. (Food Technology)
  4. College of Agricultural Engineering & Technology, Parbhani and its following degree programmes
    - B. Tech. (Agricultural Engineering)
    - M. Tech. (Agricultural Engineering) in
      - Agricultural Process Engineering
      - Farm Power & Machinery
      - Irrigation & Drainage Engineering
      - Soil & Water Conservation
    - Ph.D. (Agril. Engineering) in
      - Agricultural Process Engineering
      - Farm Power & Machinery
      - Irrigation & Drainage Engineering
      - Soil & Water Conservation
  5. College of Agriculture, Badnapur and its following degree programme
    - B.Sc. (Agriculture)
  6. College of Agriculture, Latur and its following degree programme.
    - B.Sc. (Agriculture)
- 2B.2.3. The Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani is required to comply with the following conditions:
- a. There is an urgent need to fill-up all vacant faculty positions.
  - b. An independent cell should be created to look after the academic affairs of the Private Affiliated Colleges with the University. NAEAB does not endorse the involvement of the faculty of the Constituent colleges of the University as well as the University Officers in the academic affairs of these colleges



- c. The complete functional autonomy for the University, as per the ICAR Model Act, need to be restored immediately, specially for the implementation of career advance schemes as well as appointment of Senior faculty and University Officers.
- d. The university should address the above issues in letter and spirit and submit action taken report annually. The Board desired that the above conditions need to be fulfilled by the University within two years (during the current accreditation period). Based on the compliance on the points (2B.2.3. a-c) only, the university may be considered for subsequent accreditation by the Board in future.

2B.2.4. The following Colleges/degree programmes were not considered for accreditation due to inadequate faculty strength and insufficient instructional facilities

1. College of Horticulture, Parbhani and its following degree programme
  - B.Sc. (Horticulture)
2. College of Agricultural Biotechnology, Latur and following degree programmes
  - B.Sc. (Agriculture Bio-Technology)
  - M.Sc. (Agricultural Bio-Technology)
3. The following degree programmes in the College of Agriculture, Badnapur in
  - Agronomy
  - Agricultural Botany (Genetics & Plant Breeding)
  - Agricultural Entomology
  - Plant Pathology
  - Soil Science & Agricultural Chemistry
  - M.Sc. (Horticulture) in Fruit Science
4. College of Agriculture, Ambajogai and its following degree programme
  - B.Sc. (Agriculture)
5. College of Agriculture, Osmanabad and its following degree programme.
  - B.Sc. (Agriculture)
6. Post Graduate Institute of Agricultural Business Management, Chakur and its following degree programme
  - MBA (Agriculture)
7. The following degree programmes in the College of Agriculture, Latur
  - M.Sc. (Agriculture) in
    - Agronomy

- Agricultural Botany (Genetics & Plant Breeding)
- Agricultural Economics
- Extension Education
- Animal Husbandry
- Dairy Science
- Agricultural Entomology
- Plant Pathology
- Soil Science & Agricultural Chemistry
- M.Sc. (Horticulture) in
  - a) Fruit Science
  - b) Vegetable Science

### **2B.3. Panjabrao Deshmukh Krishi Vidyapeeth, Akola**

2B.3.1. Accreditation to the Panjabrao Deshmukh Krishi Vidyapeeth, Akola was approved for a period of two years (2016-17 and 2017-18).

2B.3.2. Accreditation to the following colleges and degree programmes were approved for a period of two years (2016-17 and 2017-18) as below:

#### **1. College of Post Graduate Studies Akola and its following Degree Programmes**

- i) M.Sc. (Agri.) Extension Education
- ii) M.Sc. (Agri.) Agricultural Biotechnology
- iii) M.Sc. (Agri.) Agricultural Botany (Plant Physiology)
- iv) M.Sc. (Agri.) Agricultural Botany (Genetics and Plant Breeding)
- v) M.Sc. (Agri.) Agricultural Botany (Seed Technology)
- vi) M.Sc. (Agri.) Agricultural Economics
- vii) M.Sc. (Agri.) Agricultural Entomology
- viii) M.Sc. (Agri.) Agronomy
- ix) M.Sc. (Agri.) Animal Husbandry and Dairy Science (Dairy Science)
- x) M.Sc. (Agri.) Animal Husbandry and Dairy Science (Animal Husbandry)
- xi) M.Sc. (Agri.) Plant Pathology
- xii) M.Sc. (Agri.) Soil Science and Agricultural Chemistry
- xiii) M.Sc. (Agri.) Soil Science and Agricultural Chemistry (Land Resource Management)
- xiv) M. Tech. (Agril. Engg.)

#### **2. College of Agriculture, Nagpur and its following degree programmes**

- i) B.Sc. (Agri.)
- ii) M.Sc. (Agri.) Extension Education
- iii) M.Sc. (Agri.) Agricultural Botany (Plant Physiology)

- iv) M.Sc. (Agri.) Agricultural Botany (Genetics and Plant Breeding)
- v) M.Sc. (Agri.) Agricultural Economics
- vi) M.Sc. (Agri.) Agricultural Entomology
- vii) M.Sc. (Agri.) Agronomy
- viii) M.Sc. (Agri.) Animal Husbandry and Dairy Science (Dairy Science)
- ix) M.Sc. (Agri.) Animal Husbandry and Dairy Science (Animal Husbandry)
- x) M.Sc. (Agri.) Plant Pathology
- xi) M.Sc. (Agri.) Soil Science and Agricultural Chemistry
- xii) M.Sc. Horticulture in Floriculture and Landscape Architecture

2B.3.3. The PDKV, Akola and its colleges/programmes are required to comply with the following conditions:

- a. There is an urgent need to fill-up all vacant faculty positions.
- b. An independent cell should be created to look after the academic affairs of the Private Affiliated Colleges with the University. NAEAB does not endorse the involvement of the faculty of the Constituent colleges of the University as well as the University Officers in the academic affairs of these colleges
- c. The complete functional autonomy for the University, as per the ICAR Model Act, need to be restored immediately, specially for the implementation of career advance schemes as well as appointment of Senior faculty and University Officers.
- d. The university should address the above issues in letter and spirit and submit action taken report annually. The Board desired that the above conditions need to be fulfilled by the University within two years (during the current accreditation period of two year). Based on the compliance on the points (2B.3.3. a-c) only, the university may be considered for subsequent accreditation by the Board.

2B.3.4. The Board did not consider the following colleges for accreditation due to lack of requisite faculty, and there has been no recruitment for the last eight years.

- 1. College of Agriculture, Akola and its degree programme B.Sc. (Agri.)
- 2. College of Horticulture, Akola and its degree programme B.Sc. (Hort.)
- 3. College of Agricultural Engineering and Technology, Akola and its degree programme B.Tech (Agril. Engg.)
- 4. College of Forestry, Akola and its degree programme B.Sc. (Forestry)
- 5. College of Agriculture, Sonapur (Gadchiroli) and its degree programme B.Sc. (Agri.)

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**2B.4. Bala Saheb Konkan Krishi Vidyapeeth, Dapoli**

2B.4.1. The accreditation to the Bala Saheb Konkan Krishi Vidyapeeth, Dapoli was approved for a period of two years (2016-17 and 2017-18).

2B.4.2. Accreditation to the following colleges and degree programmes were approved for a period of two years (2016-17 and 2017-18) as below:

1. College of Agriculture, Dapoli and its following degree programmes

a) Bachelor degree programme

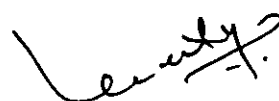
- B.Sc. (Agri.)

b) Master degree programme

- M.Sc. (Ag.)
  - Agronomy
  - Genetics & Plant Breeding
  - Plant Physiology
  - Agricultural Economics
  - Entomology
  - Soil Science & Agricultural Chemistry
  - Animal Husbandry
  - Dairy Science
  - Plant Pathology
  - Extension Education
  - Biotechnology
  - Fruit Science
  - Vegetable Science

c) Ph.D. degree programme

- Ph.D. (Agri.)
  - Agronomy
  - Genetics & Plant Breeding
  - Plant Physiology
  - Agricultural Economics
  - Agricultural Entomology
  - Soil Science & Agricultural Chemistry
  - Animal Husbandry
  - Dairy Science
  - Extension Education
  - Horticulture



2. College of Agricultural Engineering & Technology, Dapoli and its following degree programmes

a) Bachelor degree programme

- B. Tech. (Agril. Engg.)

b) Master degree programme

- M. Tech. (Farm Power & Machinery)
- M. Tech. (Irrigation and Drainage Engineering)
- M. Tech. (Process & Food Engineering)
- M. Tech. (Renewable Energy Sources)
- M. Tech. (Soil & Water Conservation)

c) Ph.D. degree programme

- Ph. D. (Agri. Engg.) Farm Power & Machinery
- Ph.D. (Agri. Engg.) Irrigation and Drainage Engineering
- Ph.D. (Agri. Engg.) Agricultural Process Engineering
- Ph.D. (Agri. Engg.) Electrical & Other Energy Sources Engineering
- Ph.D. (Agri. Engg.) Soil & Water Conservation Engineering

3. College of Fisheries, Ratnagiri and its following degree programmes

a) Master degree programme

- B.F.Sc.

b) Master degree programme

- M.F.Sc. Aquaculture
- M.F.Sc. (Aquatic Environment Management)
- M.F.Sc. (Fish Resource Management)
- M.F.Sc. (Fish Biotechnology)
- M.F.Sc. (Fish Nutrition and Feed Technology)
- M.F.Sc. (Fish Processing & Technology)
- M.F.Sc. (Fish Engineering & Technology)
- M.F.Sc. (Fish Economics)
- M.F.Sc. (Fisheries Extension)

c) Ph.D. degree programme

- Ph.D. (Fisheries) Aquaculture
- Ph.D. (Fisheries) Fish Processing & Technology
- Ph.D. (Fisheries) Fish Resource Management
- Ph.D. (Fisheries) Fish Nutrition and Feed Technology
- Ph.D. (Fisheries) Fisheries Extension

4. The B.Sc. (Hort.) programme being offered by the College of Agriculture, Dapoli was approved for accreditation for a period of two years with the condition that the degree programme may be shifted to College of Horticulture, Mulde within two years.

2B.4.3. The University is required to comply with the following conditions:

- a. There is an urgent need to fill-up all vacant faculty positions.
- b. An independent cell should be created to look after the academic affairs of the Private Affiliated Colleges with the University. NAEAB does not endorse the involvement of the faculty of the Constituent colleges of the University as well as the University Officers in the academic affairs of these colleges
- c. The complete functional autonomy for the University, as per the ICAR Model Act, need to be restored immediately, specially for the implementation of career advance schemes as well as appointment of Senior faculty and University Officers.
- d. The university should address the above issues in letter and spirit and submit action taken report annually. The Board desired that the above conditions need to be fulfilled by the University within two years (during the current accreditation period of two year). Based on satisfactory compliance on the points (2B.4.3. a-c) only, the university may be considered for subsequent accreditation by the Board in future.

2B.4.4. The following Colleges/degree programmes were not considered for accreditation due to inadequate faculty strength and insufficient instructional facilities

1. Post Graduate Institute of Post Harvest Management, Killa-Roha was not considered for accreditation as the following programmes were not prescribed by the ICAR.
  - M.Sc. (PHM) in Fruits, Vegetables & Flower Crops
  - M.Sc. (PHM) in Fish, Meat, Poultry and Marine Products
2. As informed by the University, the College of Forestry, Dapoli had intended to be accredited by the Indian Council of Forestry Research and Education, Dehradun. Therefore, after discussion with the University authority, PRT of the college was not conducted by ICAR.
3. College of Horticulture, Mulde was established in 2013, thus a single batch of students has yet to be come out from the college. Therefore, this college was not eligible for accreditation.



### **3. Grant of Accreditation to the Agricultural Universities**

#### **3.1 NDRI, Karnal**

3.1.1 The accreditation to the NDRI, Karnal was approved for a period of one year (2016-17).

3.1.2 The following programmes were approved for accreditation for a period of one year (2016-17):

- i. **B.Tech. Dairy Technology**
- ii. **Masters and Doctoral programmes (Ph. D) offered**

#### **A. At NDRI, Karnal**

1. Dairy Microbiology
2. Dairy Chemistry
3. Dairy Technology
4. Dairy Engineering
5. Animal Biochemistry
6. Animal Biotechnology
7. Animal Genetics & Breeding
8. Livestock Production & Management
9. Animal Nutrition
10. Animal Physiology
11. Dairy Economics
12. Dairy Extension Education
13. Agronomy (Forage Production)
14. Animal Reproduction, Gynaecology and Obstetrics
15. Food Safety and Quality Assurance
16. Food Science and Nutrition (only at Masters level)

#### **B. At NDRI-SRS, Bangalore**

1. Dairy Technology
2. Dairy Engineering

3.1.3. The following issues are considered critical for governance and quality education in Deemed-to-be-University, which need immediate attention.

- i) Presently Hostels do not have wi-fi/Internet facilities. NDRI, being the Institute of National importance must have internet facilities available throughout the campus and especially in student hostels.
- ii) NDRI being a Deemed University must have a professional Librarian.
- iii) There should be a regular post of Registrar in the Deemed University as per the UGC Norms for Universities.
- iv) Discipline of Economics Statistics and Management do not have adequate faculty, the same is also true for Dairy Engineering.

- v) NDRI should endeavor to have Alumni Association.
- vi) After taking appropriate action on the above issues (3.1.3. i-v) and further satisfactory compliance report to the Board, it may be considered for further accreditation.

### **3.2 Constituent Colleges of the University of Horticultural Sciences, Bagalkot**

3.2.1. The Board approved the accreditation of the following four constituent colleges, along with the degree programmes mentioned against each, till 10 March, 2019 i.e. co-terminus with the accreditation period of the University of Horticultural Sciences (UHS), Bagalkot, Karnataka.

**A. College of Horticulture, Bangalore**

M.Sc. with the following specializations

1. Fruit Science
2. Vegetable Science
3. Floriculture & Landscape Architecture
4. Plantation, Spices, Medicinal & Aromatic Crops
5. Post Harvest Technology
6. Plant Pathology

Ph.D. in Horticulture

**B. College of Horticulture, Mysore**

B.Sc. Horticulture

**C. College of Horticulture, Sirsi**

B.Sc. Horticulture

**D. College of Horticulture, Munirabad**

B.Sc. Horticulture

### **3.2.2. Extension of Accreditation to the Colleges**

The Accreditation Board has granted accreditation to three colleges of UHS, Bagalkot namely, College of Horticulture, Bagalkot, College of Horticulture, Bidar and College of Horticulture, Kolar for a period of two years from 11 March, 2014 to 10 March, 2016. Based on the Action Taken Report (ATR) submitted by the University and also on the



recommendations of the PRT, the Board approved the extension to these three Colleges till 10 March, 2019 i.e. to co-terminus with the accreditation period of the University.

3.2.2.1. College of Horticulture, Bagalkot

B.Sc. Horticulture

M.Sc. with the following specializations

1. Fruit Science
2. Vegetable Science
3. Floriculture & Landscape Architecture
4. Plantation, Spices, Medicinal & Aromatic Crops
5. Post Harvest Technology
6. Entomology
7. Plant Pathology
8. Soil Science & Agricultural Chemistry

Ph.D. in Horticulture

3.2.2.2. College of Horticulture, Bidar

B.Sc. Horticulture

3.2.2.3. College of Horticulture, Kolar

B.Sc. Horticulture

3.2.2.4. The following programme offered by College of Horticulture, Bangalore and College of Horticulture, Bagalkot was not considered for accreditation as it is not in compliance with the ICAR guidelines.

- M.Sc. in Biotechnology and Crop Improvement

3.3. University of Agricultural Sciences, Dharwad

3.3.1. Based on the PRT Report submitted to the Board and subsequent observations of Sectoral Committee on *Accreditation Norms and new Institutions and programs*, the Board observed that due to inadequacy of some basic facilities, the UAS, Dharwad may not be able to meet the minimum requirement for effective delivery of Course Curricula for its various academic programmes. Therefore, the decision regarding accreditation to the University may be put on hold till the following issues are addressed:



- i. The nomenclature of UG programmes should be changed as per the recommendations of Deans' Committee of ICAR. For example, B.Sc (Agriculture) may be renamed as B.Sc (Hons) Agriculture, B.Sc (Forestry) may be renamed as B.Sc (Hons) Forestry and B.H.Sc may be changed as B.Sc (Hons) Home Science.
- ii. The nomenclatures of PG programmes such as M.Sc Agri (Horticulture), specializations in Forestry etc., are not in compliance with the ICAR prescribed programmes. Efforts are needed urgently to change accordingly to achieve uniformity and also to ensure better job prospects to students.
- iii. The faculty profile of many Colleges is in the pattern of inverted pyramid with most of them in Professor Scale. Immediate steps are needed to induct Assistant Professor to make the balanced profile of faculty. The faculty in Basic Sciences needs to be strengthened in the Constituent Colleges.
- iv. Regarding financial resources, the internal revenue generation is only about 6-9% in last few years. There is an urgent need for contemplating new ways of internal revenue generation to reduce the dependency on State agencies. Some of the suggested measures are as below:
  - The facilities, varieties developed and resources of the University should be optimally exploited for generation of internal resources
  - Effective linkages with the industries to be forged for transfer of technologies and their commercialization
  - The patents obtained need to be commercially exploited
- v. The following Cells/Units need to be established/strengthened with dedicated manpower for effective delivery of the required functions
  - Placement Cell
  - Educational Technology Cell
  - Intellectual Property Rights & Commercialization Unit
- vi. In spite of its good number of JRFs, the students from outside state under 15% quota through AIEEA conducted by ICAR are not joining the University leading to several vacant seats in its constituent Colleges. Hence, the University needs to take appropriate steps to attract the students.
- vii. It has been observed that the examination is conducted to assess the students' performance under Experiential Learning module. As the EL is designed to impart skills, the assessment through conduct of exam may be discontinued and the ICAR guidelines may be followed.



- viii. Provisions should be made available for improving personality development, communication skills and project formulations etc. for the students.
- ix. Students are accommodated in the hostels more than its carrying capacity. Immediate steps are required to address the problem in both HQs and constituent Colleges, especially for girls.
- x. Effective linkages with the academic institutes like Indian Institute of Forest Management, Bhopal may be forged for the benefit of Forestry students.
- xi. The activities of the Rural Home Science College need to be augmented with respect to
  - Fetching more external funding for research
  - Making student competitive for national exams such as NET, JRF, SRF etc.
  - Effective linkages with potential employers for the graduates
- xii. The following facilities/programmes need to be created/initiated
  - Availability of adequate text books and Book Bank facility in the libraries of constituent Colleges
  - Establishment of Alumni Association
  - Orientation week for all the newly admitted students

3.3.2. Based on the submission of the satisfactory compliance report on the points 3.3.1.i to 3.3.1.xii, the University may be considered for accreditation. It is further clarified that if the University fails to submit the satisfactory compliance report within two years and further wishes to get accreditation from ICAR, the new Self Study Report will be required.

#### **3.4. Nanaji Deshmukh University of Veterinary Sciences, Jabalpur**

3.4.1. The accreditation to the Nanaji Deshmukh University of Veterinary Sciences, Jabalpur was approved for a period of five years (2016-17 to 2020-21).

3.4.2 College of Veterinary Sciences and Animal Husbandry, NDVSU, Jabalpur and its following programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):


- BVSc & AH
- MVSc programs
  - Veterinary Anatomy
  - Veterinary Physiology
  - Livestock Production and Management

- Animal Genetics and Breeding
- Animal Husbandry Extension
- Veterinary Microbiology
- Animal Nutrition
- Veterinary Public Health
- Veterinary Pathology
- Veterinary Parasitology
- Veterinary Pharmacology
- Veterinary Obstetrics and Gynaecology
- Veterinary Medicine
- Veterinary Surgery and Radiology
- Poultry Science
- Animal Biotechnology
- Ph. D programme
  - Veterinary Physiology
  - Livestock Production and Management
  - Animal Genetics and Breeding
  - Veterinary Microbiology
  - Animal Nutrition
  - Veterinary Pathology
  - Veterinary Parasitology
  - Veterinary Pharmacology
  - Veterinary Obstetrics and Gynaecology
  - Veterinary Medicine
  - Veterinary Surgery and Radiology
  - Poultry Science
  - Animal Biotechnology

3.4.2.1 The college is also offering MVSc and Ph. D in Wildlife Health and Management. This degree was not considered for accreditation as it is not as per the ICAR norms /guidelines

3.4.3. College of Veterinary Sciences and Animal Husbandry, Mhow and its following programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):

- BVSc & AH
- MVSc programs
  - Veterinary Anatomy
  - Veterinary Physiology
  - Veterinary Biochemistry
  - Livestock Production and Management



- Animal Genetics and Breeding
- Veterinary Microbiology
- Animal Nutrition
- Veterinary Pathology
- Veterinary Parasitology
- Veterinary Pharmacology
- Veterinary Obstetrics and Gynaecology
- Veterinary Medicine
- Veterinary Surgery and Radiology
- Ph. D programme
  - Animal Genetics and Breeding
  - Animal Nutrition
  - Veterinary Pathology
  - Veterinary Surgery and Radiology

3.4.4. College of Veterinary Sciences and Animal Husbandry, Rewa and its programmes were not considered for accreditation because the infrastructure and buildings of the college are yet to take the final shape and first batch of the college has not passed out so far, which is mandatory for college accreditation

### 3.5. Tamil Nadu Agricultural University, Coimbatore

3.5.1. Based on the PRT Report submitted to the Board and subsequent observations of Sectoral Committee on *Governance and Personnel and Financial Policies* in its meeting held on 15 June 2016, the University submitted its clarification to the Board. The Board deliberated the issue at length considering all the facts and figures and decided that the decision regarding accreditation to the University may be put on hold till the University addresses the following issues and submit its satisfactory compliance report to the Board:

- i. ICAR Model Act (2009) is not being fully implemented in the University as all the officers including Registrar, Comptroller, Directors, Deans, Librarian are only in-charge (nominated) and that too for a period of three years. There is need to appoint all officers based on all India open competition. The University has a provision to appoint Deans for the Private Affiliated Colleges from among the faculty of constituent colleges. Since the ICAR Model Act does not recognize Private Affiliated Colleges, the Board considered this arrangement as bifurcation of ICAR guidelines.
- ii. TNAU has affiliated a large number of private agricultural colleges (at present 17) for that the degrees are awarded by the University. In order to comply all affiliation related matters, inspection, conduct of examination, result declaration etc., it is apparent that the quality time of the faculty is being diverted towards management of private agricultural colleges, which are increasing in number over the years.



- iii. Since 2014, the university has adopted Trimester system for PG and Ph.D programmes. It has thus deviated from the council's guideline of semester system as per BSMA Committees for PG programmes, which has already been accepted and implemented in other SAUs. The new system has been in diversion for the process of maintaining uniformity in agricultural education across NARES.
- iv. The university has taken some new academic initiatives in the past as given below:
- 1) **Agricultural College and Research Institute, Coimbatore**
    - B.Tech (Bioinforma.)
    - B.Tech (Biotech.)
    - B.S. (ABM)
    - B.Tech. (Agrl. Information Tech.)
    - M.Sc. (Agri.) in Agrl. Nano Science & Technology
    - M.Tech. (Agri.) in Geo informatics
    - M.Sc.(Bioinformatics)
    - M.Sc. Microbial Technology
  - 2) **Horticultural College and Research Institute, TNAU, Coimbatore**
    - B.Tech (Hort), Dual Degree Programmes with foreign universities
  - 3) **Agricultural Engineering College & Research Institute, TNAU, Coimbatore**
    - a. **Under-graduate Programme**
      - B.Tech. (Food Process Engg.)
      - B.Tech. (Energy & Environmental Engg.)
    - b. **Post-graduate Programme**
      - M.Tech. (Ag. Engg.) in Storage Engineering
      - M.Tech. (Ag. Engg.) in Bioenergy
      - M.Tech. (Ag. Engg.) in Farm Power Mch.
      - M.Tech. (Ag. Engg.) in Agrl. Processing & Food Engineering
      - M.Tech. (Ag. Engg.) in Environmental Engineering
    - c. **Doctoral Programme (Ph.D)**
      - Ph.D. in Agrl Processing & Food Engineering
      - Ph.D. in Bioenergy
  - 4) **Home Science College and Research Institute, Madurai**
    - B.Sc (Food Science and Nutrition)

The above programmes do not meet ICAR guidelines as suggested by Deans' Committees/ BSMA Committees. The university has designed its own course curricula for these programmes, for which ICAR is not informed. Dual degree programmes being offered at Coimbatore and Madurai campus have different nomenclature and may not fit into NARES stream. Through PRT reports, it was noted that most of these programmes are running in the Self Financing Mode, which is again deviation from the objectives of the Scheme "Strengthening and Development of Higher Agricultural Education" to support the higher agricultural education in the TNAU.



- v. In most of the colleges it was noted that the cadre strength of Associate Professors does not exist, and further in most of the colleges only Assistant Professors and Professors posts exist. This may create faculty imbalance.
  - vi. Every college is developing its own practical manual that may be a kind of repetition and sometimes confusion among the students may also arise. Therefore it is suggested that all respective faculty across the university should develop a compressive practical manual for entire university and share the authorship together.
  - vii. ELP and RAW programs need to be conducted as per ICAR guidelines
- 3.5.2. Based on the submission of the satisfactory compliance report on the points 3.5.1.i to 3.5.1.vii, it may be considered for accreditation. It is further clarified that if the University fails to submit the satisfactory compliance report within two years and further wishes to get accreditation from ICAR, the new Self Study Report will be required.

### **3.6. Chhattisgarh Kamdhenu Vishwavidyalaya, Durg**

- 3.6.1. The accreditation to the Chhattisgarh Kamdhenu Vishwavidyalaya, Durg was approved for a period of five years (2016-17 to 2020-21).
- 3.6.2. College of Veterinary Sciences and Animal Husbandry, Anjora, Durg and its following programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):
- a. BVSc & AH
  - b. MVSc programs:
    - i) Veterinary Anatomy
    - ii) Veterinary Physiology
    - iii) Veterinary Biochemistry
    - iv) Veterinary Microbiology
    - v) Veterinary Pharmacology & Toxicology
    - vi) Veterinary Parasitology
    - vii) Veterinary Pathology
    - viii) Animal Nutrition
    - ix) Animal Genetics and Breeding
    - x) Livestock Production and Management
    - xi) Animal Reproduction, Gynaecology & Obstetrics
    - xii) Veterinary Surgery and Radiology
    - xiii) Veterinary Clinical Medicine, Ethics & Jurisprudence
    - xiv) Veterinary Epidemiology and Preventive Medicine
    - xv) Veterinary Public Health
  - c. Ph D programs:
    - i) Veterinary Physiology
    - ii) Veterinary Microbiology
    - iii) Veterinary Pathology

- iv) Veterinary Parasitology
- v) Animal Nutrition
- vi) Animal Genetics and Breeding
- vii) Livestock Production and Management
- viii) Animal Reproduction, Gynecology & Obstetrics
- ix) Veterinary Surgery and Radiology
- x) Veterinary Clinical Medicine, Ethics & Jurisprudence
- xi) Veterinary Epidemiology and Preventive Medicine
- xii) Veterinary Pharmacology & Toxicology
- xiii) Veterinary Public Health

3.6.2.1. The college is also offering MVSc in Wildlife Health. This degree was not considered for accreditation as it is not as per the ICAR norms/guidelines.

3.6.3. College of Dairy Science and Food Technology, Raipur and its following degree programme were approved for accreditation for a period of five years (2016-17 to 2020-21):

- B. Tech (Dairy Technology).

3.6.3.1. The Master and Ph.D programmes of College of Dairy Science and Food Technology were not considered for accreditation:

3.6.4 College of Fisheries, Kawardha and its degree programmes were not considered for accreditation.

### 3.7. Assam Agricultural University, Jorhat

3.7.1. The accreditation to the Assam Agricultural University, Jorhat was approved for a period of a period of five years (2016-17 to 2020-21).


3.7.2. The following Colleges and its programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):

3.7.2.1. College of Agriculture, AAU, Jorhat

I). UG Programme: B.Sc. (Ag).

II). PG Programme: M.Sc.(Ag)

- i. Agricultural Biotechnology
- ii. Agricultural Economics and Farm Management
- iii. Agricultural Meteorology
- iv. Agricultural Statistics
- v. Agronomy
- vi. Biochemistry and Agricultural Chemistry
- vii. Crop Physiology
- viii. Entomology
- ix. Extension Education
- x. Horticulture



- xi. Nematology
- xii. Plant Breeding and Genetics
- xiii. Plant Pathology
- xiv. Sericulture
- xv. Soil Science
- xvi. Tea Husbandry and Technology
- xvii. Seed science and Technology
- xviii. Food Science and Technology

### III) MBA (Agri Business)

### IV) Ph.D. Programme:

- i) Agricultural Biotechnology
- ii) Agricultural Economics and Farm Management
- iii) Agronomy
- iv) Biochemistry and Agricultural Chemistry
- v) Crop Physiology
- vi) Entomology
- vii) Extension Education
- viii) Horticulture
- ix) Nematology
- x) Plant Breeding and Genetics
- xi) Plant Pathology
- xii) Soil Science
- xiii) Tea Husbandry and Technology

### 3.7.2.2. Biswanath College of Agriculture, Biswanath Chariali

- i) UG Programme: B.Sc. (Ag).

### 3.7.2.3. SCS College of Agriculture, Dhubri

- i) UG Programme: B.S.c. (Ag)

### 3.7.2.4. College of Veterinary Science, Khanapara

- i) UG Program: B.V.Sc. & A.H.

- ii) PG Programme: M.V.Sc.

- i. Animal Biotechnology
- ii. Animal Genetics and Breeding
- iii. Animal Nutrition'
- iv. Animal Reproduction Gynaecology and Obstetrics
- v. Extension Education
- vi. Livestock Production and Management

- vii. Livestock Production and Technology
- viii. Poultry Science
- ix. Veterinary Anatomy and Histology
- x. Veterinary Biochemistry
- xi. Veterinary Clinical Medicine and Ethics & Jurisprudence
- xii. Veterinary Epidemiology and Preventive Medicine
- xiii. Veterinary Microbiology
- xiv. Veterinary Parasitology
- xv. Veterinary Pharmacology and Toxicology
- xvi. Veterinary Pathology
- xvii. Veterinary Physiology
- xviii. Veterinary Public Health
- xix. Veterinary Surgery and Radiology

iii) Ph.D. Programme:

- i. Animal Biotechnology
- ii. Animal Genetics and Breeding
- iii. Animal Nutrition
- iv. Animal Reproduction Gynaecology and Obstetrics
- v. Extension Education
- vi. Livestock Production and Management
- vii. Livestock Production and Technology
- viii. Poultry Science
- ix. Veterinary Anatomy and Histology
- x. Veterinary Biochemistry
- xi. Veterinary Clinical Medicine and Ethics & Jurisprudence
- xii. Veterinary Epidemiology and Preventive Medicine
- xiii. Veterinary Microbiology
- xiv. Veterinary Parasitology
- xv. Veterinary Pharmacology and Toxicology
- xvi. Veterinary Pathology
- xvii. Veterinary Physiology
- xix. Veterinary Public Health
- xx. Veterinary Surgery and Radiology

3.7.2.5. College of Home Science, Jorhat

i) UG Programme: B. Sc. (H.Sc.)

ii) PG Programme:

- i. Extension and Communication Management
- ii. Family Resource Management
- iii. Food Science and Nutrition
- iv. Human Development and Family Studies
- v. Textile and Apparel Designing

iii) Ph.D. Programme

- i. Extension and Communication Management
- ii. Family Resource Management
- iii. Food Science and Nutrition
- iv. Human Development and Family Studies
- v. Textile and Apparel Designing

3.7.2.6. College of Fisheries Science, Raha

i) UG Programme: B.F.Sc.

3.7.3. 1. The following UG program in Lakhimpur College of Veterinary Science along with the College was not considered for accreditation as the necessary approval of VCI to run the Degree program is still awaited by the college.

i) UG Programme: B.V.Sc. & A.H.

3.7.3. 2. The following PG degree program in Biswanath College of Agriculture, Biswanath Chariali was not considered for accreditation, on the ground of insufficient number of faculty and inadequate lab facilities.

i) PG Programme: M.Sc.(Ag) in

- i. Agricultural Economics and Farm Management
- ii. Extension Education
- iii. Horticulture

3.7.3. 3. The following PG and Ph.D programs in College of Fisheries Science, Raha were not approved for accreditation on the ground of insufficient number of faculty and inadequate lab facilities.

- PG Programme: M.F.Sc in Aquaculture
- Ph.D. Programme: in Aquaculture

3.7.3.4. However, if the university addresses the observations of the PRT for the above points mentioned in 3.7.3.1-3, the same may be considered for accreditation subject to the satisfactory compliance report submitted to the council within two years.

**3.8. Sri Karan Narendra Agriculture University, Jobner**

3.8.1. The accreditation to the Sri Karan Narendra Agriculture University, Jobner was approved for a period of five years (2016-17 to 2020-21).

3.8.2. The following Colleges and its programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):

I. S.K.N. College of Agriculture, Jobner

A. Bachelor of Science (Hons) in Agriculture

**B. M.Sc. in Agriculture**

1. Extension Education
2. Agricultural Economics
3. Agronomy
4. Soil Science and Agricultural Chemistry
5. Entomology
6. Plant Pathology
7. Plant Breeding & Genetics
8. Plant Physiology
9. Horticulture
10. Biochemistry
11. Livestock Production Management

**C. Ph.D. in Agriculture**

1. Extension Education
2. Agricultural Economics
3. Agronomy
4. Soil Science and Agricultural Chemistry
5. Entomology
6. Plant Pathology
7. Plant Breeding & Genetics
8. Horticulture

**II. College of Agriculture, Lalsot**

**A. Bachelor of Science (Hons) in Agriculture**

**3.9. Agriculture University, Kota**

3.9.1. The accreditation of the Agriculture University, Kota was approved for a period of five years (2016-17 to 2020-21).

3.9.2. The following College and its programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):

**I. College of Horticulture and Forestry, Jhalawar**

- a. B.Sc. (Horticulture)
- b. B.Sc. (Forestry)

**II. M.Sc. Horticulture in**

- 1) Fruit Science
- 2) Vegetable Science
- 3) Floriculture and Landscaping
- 4) Post Harvest Technology



**3.10. Sam Higginbottom Institute of Agriculture, Technology and Sciences (SHIATS), Allahabad**

3.10.1. Sam Higginbottom Institute of Agriculture, Technology and Sciences was not considered for accreditation on the ground that, being a Deemed- to- be- University, out of total 17 schools in the University, only five Schools impart degrees on agricultural and allied sciences subjects, thus the entire university is not being represented by these colleges for which the University has submitted the Self Study Reports to the Council.

3.10.2. The following Schools and its degree programmes were not considered for accreditation as these do not meet the guidelines of ICAR in terms of number of student intake in degree programmes, nomenclature and other minimum requirements to meet the standards of quality higher agricultural education as recommended by Deans' Committee/ BSMA Committees.

(I) Allahabad School of Agriculture, Allahabad

**Undergraduate Programmes**

B.Sc. (Hons) Agriculture

**Postgraduate Programmes**

M.Sc. (Ag.) Agronomy

M.Sc. (Ag.) Genetics and Plant Breeding

M.Sc. (Ag.) Horticulture (Vegetable Science)

M.Sc. (Ag.) Horticulture (Floriculture and Land Scaping)

M.Sc. (Ag.) Horticulture (Fruit Production and Post Harvest Technology)

M.Sc. (Ag.) Plant Pathology

M.Sc. (Ag.) Agricultural Extension

M.Sc. (Ag.) Agricultural Economics

M.Sc. (Ag.) Seed Science and Technology

M.Sc. (Ag.) Entomology

M.Sc. (Ag.) Soil Science

MBA(Agri-Business Management)

**Doctoral Programmes**

Ph. D. in Agronomy

Ph. D. in Genetics and Plant Breeding

Ph. D. in (Vegetable Science)

Ph. D. in (Floriculture and Land Scaping)

Ph. D. in (Fruit Production and Post Harvest Technology)

Ph. D. in Plant Pathology

Ph. D. in Extension

Ph. D. in Economics

Ph. D. in Seed Science and Technology  
Ph. D. in Soil Science

(II) School of Forestry and Environment  
**Undergraduate Programme**  
B.Sc. (Hons) Forestry

(III) Ethelind School of Home Science  
**Undergraduate Programme**  
B.Sc. (Hons) Home Science

**Postgraduate Programmes**  
M.Sc. Food, Nutrition and Dietetics  
M.Sc. Human Development  
M.Sc. Family Resource Management (FRM)  
M.Sc. Clothing and Textiles  
M.Sc. Home Science Extension

**Doctoral Programmes**  
Ph. D. in Foods and Nutrition  
Ph. D. in Human Development  
Ph. D. in Family Resource Management  
Ph. D. in Clothing and Textiles  
Ph. D. in Home Science Extension

(IV) Vaugh School of Agricultural Engineering and Technology  
**Undergraduate Programmes**  
B. Tech. Agricultural Engineering  
B. Tech. Food Technology

**Postgraduate Programmes**  
M. Tech. Ag. Engg. (Agricultural Process and Food Engineering)

(V) Warner School of Food and Dairy Technology  
**Undergraduate Programmes**  
B. Tech. Dairy Technology

**Postgraduate Programmes**  
M. Tech. Dairy Technology

**Doctoral Programmes**  
Ph. D. in Dairy Technology<sup>1</sup>



3.10.3. The following Schools and its degree programmes were not considered for accreditation on the following grounds:

(I) Allahabad School of Agriculture

**Undergraduate Programmes**

B.Sc. (Hons) Horticulture<sup>1,2</sup>

BBA (Hons) Agri-Business Management<sup>1,2,3</sup>

**Postgraduate Programmes**

M.Phil. in Transgenic Technology<sup>1,2,3</sup>

**Doctoral Programmes**

Ph. D. in Entomology<sup>1,2</sup>

(II) School of Forestry and Environment

**Postgraduate Programmes**

M.Sc. (Ag) Agricultural Meteorology<sup>2,3</sup>

M.Sc. Agroforestry<sup>3</sup>

M.Sc. Forestry<sup>1</sup>

M.Sc. (Ag.) Environmental Science

M.Sc. Wildlife Science<sup>1</sup>

**Doctoral Programmes**

Ph. D. in Agroforestry<sup>3</sup>

Ph. D. in Forestry<sup>1</sup>

Ph. D. in Environmental Science<sup>1</sup>

Ph. D. in Wildlife Science<sup>1</sup>

Ph. D. in Agricultural Meteorology<sup>3</sup>

(III) Ethelind School of Home Science

**Doctoral Programmes**

Ph. D. in Foods and Nutrition<sup>2</sup>

Ph. D. in Human Development<sup>2</sup>

Ph. D. in Family Resource Management<sup>2</sup>

Ph. D. in Clothing and Textiles<sup>2</sup>

Ph. D. in Home Science Extension<sup>2</sup>

(IV) Vaugh School of Agricultural Engineering and Technology

**Postgraduate Programmes**

M. Tech. Agricultural Water Management<sup>1</sup>

M. Tech. Agricultural Engineering (Irrigation and Drainage Engineering)<sup>1</sup>

M. Tech. Energy Management<sup>1</sup>  
M. Tech. in Remote Sensing and Geographical Information System (GIS)<sup>1</sup>  
M. Tech. Agricultural Engineering (Renewable Energy)<sup>1</sup>  
M. Tech. Water Resource Engineering<sup>1</sup>  
M. Tech. Food Technology (Food Process Engineering)<sup>1</sup>

**Doctoral Programmes**

Ph. D. in Agricultural Water Management<sup>1</sup>  
Ph. D. in Remote Sensing and Geographical Information System (GIS)<sup>1</sup>  
Ph. D. in Agricultural Engineering (Renewable Energy)<sup>1</sup>  
Ph. D. in Food Technology<sup>1</sup>  
Ph. D. in Water Resource Engineering<sup>1</sup>

**(V) Warner School of Food and Dairy Technology**

**Undergraduate Programmes**

B.Sc. (Hons) Dairying<sup>1</sup>  
B.Sc. (Hons) Food Technology<sup>2</sup>

**Postgraduate Programmes**

M.Sc. Dairy Technology<sup>2</sup>  
M.Sc. Food Technology<sup>2</sup>  
M.Sc. Animal Nutrition<sup>3</sup>  
M.Sc. Livestock Production Management<sup>3</sup>  
M.Sc. Animal Genetics and Breeding<sup>1</sup>  
M.Sc. Poultry Production<sup>1</sup>

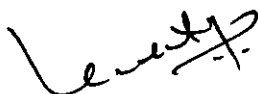
**Doctoral Programmes**

Ph. D. in Food Science and Technology<sup>2</sup>  
Ph. D. in Dairy Microbiology<sup>2</sup>  
Ph. D. in Livestock Production and Management<sup>3</sup>  
Ph. D. in Animal Genetics and Breeding<sup>1</sup>  
Ph. D. in Poultry Production<sup>1</sup>

<sup>1</sup>Not included in Course listing and degree nomenclature

<sup>2</sup>Inadequate of laboratory facilities

<sup>3</sup> Inadequate of laboratory/field/other facilities



### 3.11. Maharashtra Animal Science and Fisheries University, Nagpur

Based on the PRT reports and observations in Sectoral Committees, the NAEAB decided that the University should address the following issues and submit the satisfactory compliance report for consideration of its accreditation. The decision regarding accreditation of the university may be put on hold till that time.

#### Governance

1. The Mission statement, goals and objectives of the University and constituent Colleges were not consistent with the requirement of agro-climatic zone and livestock distribution of the university jurisdiction and problems faced by the farming community. The research and extension programmes were not developed and implemented accordingly.
2. Major deviations have been observed in the University Act compared to the ICAR Model Act, 2009. The composition of existing Executive Council (equivalent to Board of Management) is unwieldy and without any acceptable representation from ICAR. The tenure of University officials is also not consistent with the provision of Model Act
3. Though the sanctioned manpower strength is as per ICAR norms, the available strength is much below the required level. Several departments are running with one/two Assistant Professors and this poor strength has also been observed for the last five years. Further, the positions of Laboratory technicians and field assistants have not been filled. This inadequacy does not fulfill the requirements for imparting quality education.
4. Most of the statutory posts in the university have not been filled. Out of 10 positions, only three are in place leading to poor management of the university and its academic, research and extension programmes. In case of Associate Deans of the colleges, only five are regular appointees. In both the Colleges of Fisheries at Nagpur and Udgir, the responsibility of Associate Deans has been given as additional charge to the Professors of veterinary sciences.
5. De-centralisation and delegation of powers have been restricted only up to Associate Dean's level. There is need to delegate powers to HOD for smooth and timely operation of the departmental activities.
6. Management of affiliated lower education schools offering diploma programmes is another concern. The faculty of the university has been involved in admission, conduct of examinations (paper setting, supervising examinations and evaluation), inspection and preparation of results, which is taking quality time of the limited faculty of the university.
7. Monitoring and management of various functions of the university has been found to be sub-optimal. The coordination by the statutory officers of the university with the colleges and monitoring/evaluation of the academic, research and extension programmes is lacking.

### **Non-compliance of UGC/ICAR/VCI norms**

8. The faculty strength in all the colleges is not as per the norms of VCI/ICAR. Further, more than 50% sanctioned faculty positions are vacant.
9. The activities such as RAWE and Experiential Learning/Hands on Training have not been implemented in true spirit of the Deans' Committee Recommendations.
10. Non-compliance of Career Advancement Scheme (UGC regulations-2010) has denied promotion of several Assistant Professors to Associate Professors and Professors. This has distorted ratio of the faculty and created discontent among the faculty.
11. Most of the recommendations of Peer Review Committee (PRC) constituted by the university in 2013 have not been considered. The report has not even been circulated for necessary action.

### **Financial Resources**

12. Although, budget allocation showed increasing trend, most of it is going for Salary (93.15%). There is hardly any allocation for contingency to conduct various academic and research activities. Apparently, State government provides only salary with no support for teaching, research and extension. Non availability of funds created hindrance in imparting academic activities including research and extension programmes.
13. Regarding financial resources, the internal revenue generation is almost negligible during last few years. Efforts were not made to optimally utilize the facilities and resources of the University for generation of revenue through sale of farm produce, consultancy, transfer of technologies etc.

### **Academics**

14. Teaching Veterinary Clinical Complex (TVCC) is the window of a Veterinary College. It not only provides treatment to sick animals but also offers training and skills to the students. It has been observed that TVCCs of most of the colleges are not in good condition. Diagnostic facilities are not up to the mark and the clinical facilities are inadequate. The number of cases coming to most of the Clinics is very low leading to poor training of the students.
15. Infrastructure in terms of laboratories and instructional farms/hatcheries were found inadequate to impart quality education. In case of sophisticated equipment, many are under repair and some of them are not put in to use because of non-availability of technical manpower.
16. Post mortem facilities are not available at most of the veterinary colleges, which is a serious shortfall in proper diagnosis.
17. Grievance Cell is not functional.



## **Students Development**

18. The following staff/facilities were lacking in most of the Colleges:

- Adequate hostels for Boys and Girls and minimum required furniture in rooms of hostels
- Medical / First Aid facility
- Games & sports facilities
- Cafeteria or recreation facility

## **Faculty development**

19. Most of the universities grant study leave for a period of three years to pursue PhD. However, MAFSU grants the study leave only for two years. This has led to resentment among the faculty.

20. Though ICAR extends financial support, the University has not been able to utilize the services of guest faculty and adjunct faculty.

## **Self Study Reports**

21. No serious efforts and planning were made in the preparation of Self Study Report (SSR). Lots of inconsistencies were observed in the data provided in SSR and the data shared with the Team during the visit.

22. It was also observed that proper SWOT analysis was not made with the participation of the faculty and stakeholders.

### **3.12. Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut**

3.12.1. The accreditation to the Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut was approved for a period of five years (2016-17 to 2020-21).

3.12.2. The following Colleges and programmes were approved for accreditation for a period of five years (2016-17 to 2020-21):

3.12.2.1. College of Agriculture, Meerut

1) Under Graduate

B.Sc. (Hons.) Agriculture

2) Postgraduate Programme

(a) Master Programme

◦ M.Sc. (Ag.) in

- Agril Biotechnology
- Agricultural Economics & Management
- Agricultural Extension
- Agronomy
- Animal Husbandry
- Entomology
- Genetics & plant Breeding

- Horticulture
- Plant Pathology
- Soil Science

(b) Ph.D. Programme

- Agril Biotechnology
- Agricultural Economics & Management
- Agricultural Extension
- Agronomy
- Animal Husbandry
- Entomology
- Genetics & Plant Breeding
- Horticulture
- Plant Pathology
- Soil Science

3.12.2.2. College of Biotechnology and its following degree programmes were not considered for accreditation on the ground of limited number of faculty for 120 intake of students in Bachelors' programme and inadequate laboratory equipments. In addition, Course curriculum need to be implemented as per recommendations of the Fifth Dean' Committee of the ICAR. If College fulfils all these requirements within two years, it may be considered for accreditation based on the submission of satisfactory action taken in the matter to the Council.

- B.Tech. (Biotechnology)
- M.Tech. /M.Sc. (Biotechnology)

3.12.2.3. The following degree programmes were not considered for accreditation as these are not as per ICAR guidelines

- M.Tech. and Ph.D. Agri process and Food Engineering

### 3.13. Kerala University of Fisheries and Ocean Studies, Cochin

Based on the PRT reports and observations in Sectoral Committees, the NAEAB approved that the University should address the following issues and concerns and submit the satisfactory compliance report for consideration of its accreditation. The decision regarding accreditation of the university may be put on hold till that time.

#### Issues and concerns

On critical examination of the documents placed before the PRT in respect of overall governance, academic, and administrative management aspects of the University, the Team lists the following issues and concerns:

#### **Duality in academic programmes of ICAR and UGC streams**

- The University offers academic programmes in Fisheries Science (B.F.Sc., M.F.Sc., and Ph.D under ICAR stream) and also offers several courses in the area of Ocean studies and business management at M.Sc. level (UGC stream) in which the students from three years graduation are admitted. This duality has created governance issues.

- Out of the five Faculties of the University, only the Fisheries faculty offers academic programmes prescribed by ICAR Deans Committee. Other four Faculties offer courses in UGC stream. In such a situation, according accreditation to the KUFOS based on consideration of only one faculty (Fisheries) may not be feasible as per ICAR norms.

#### **Deviations from ICAR Model Act**

- Though the University Act was made in 2010 and its Statutes were made in 2013, it appears that the ICAR Model Act (revised 2009) was not considered while developing the Act and Statutes.
- The following statutory bodies/officers have been included in the University Act which are not in compliance with the ICAR Model Act
  - Senate
  - Pro Vice-Chancellor
  - Director for each School
  - School Governing Councils
  - Department Governing Councils
  - Boards of Studies of each Department (instead of each academic programme)
- The following bodies/positions are not included in the University Act
  - Extension Council
  - Regular Dean
- As per the Statutes, the Dean shall not be a full salaried officer of the University and he shall be the Chairman of the concerned Faculty. Under such situations, it is difficult to carry out quality academic programmes.
- Most of the statutory posts in the university have not been filled. Out of seven Directors of Schools, only one regular Director is in place.

#### **Utilization of ICAR grants for non-agriculture courses**

- The PRT observed that the grants received from ICAR are utilized for all the courses including those under UGC stream, which need to be examined by the ICAR and the Accreditation Board. This may impact the quality of fisheries programmes in due course.

The Team also offers the following recommendations for further strengthening of the University and imparting quality education:

#### **Organizational Structure**

- Regular positions of Deans and other statutory bodies and authorities may be created by suitably amending the Act/Statutes of the KUFOS in line with the ICAR Model Act.

*Veratg.*

### **Appointments of the faculty**

- NET conducted by ICAR is not made mandatory for appointment of Assistant Professors. However, it is mentioned in the University advertisement that the candidates must have cleared UGC, CSIR or similar test accredited by UGC.

### **Academic Programmes**

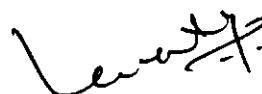
- It is observed that the delay in admission and subsequent delay in examinations, the students are losing one academic year. Hence, efforts are needed to complete the academic programme in four years.

### **3.14. Banda University of Agriculture & Technology, Banda**

3.14.1. Based on the PRT report and observations of the Sectoral Committees, the Banda University of Agriculture & Technology, Banda and its colleges/programmes were not considered for the accreditation. The Board noted the following critical areas which require immediate attention by the University:

- Faculty composition and structure of both the constituent Colleges need to be made in place as per the recommendation of the Deans Committee, as the present 18 faculty at the University level is too inadequate to meet the curricula requirement of both constituent Colleges. The supporting faculty back from AICARPs/Research Stations/KVKs from HQ may also be created to strengthen the Colleges.
- Director of Research, Director of Extension, Board of Studies, Deans of the Colleges, DSW, Librarian and other statutory bodies like Research council and Extension council should be in place. There is need to strengthen the office of the Dean with its due financial sanctioning powers.
- Instructional farms for both the Colleges need to be developed immediately. The necessary research units should also be created.
- As though the students of the University are qualifying for AIEEE of ICAR and UPCATET exams, the regular counseling is further required in a formal mode.
- Appointment of Regular Librarian and other Library staff need to be made urgently.
- RAWES and ELPs should be conducted as per the ICAR guidelines.
- Internal resources through farm produce and consultancy from research project need to be generated.

3.14.2. Based on the submission of the satisfactory compliance report on the above points, the University may be considered for accreditation. It is further clarified that if the University fails to submit the satisfactory compliance report within two years and further wishes to get accreditation from ICAR, the new Self Study Report will be required.



### **3.15. West Bengal University of Animal and Fishery Sciences, Kolkata**

3.15.1 West Bengal University of Animal and Fishery Sciences, Kolkata was approved for accreditation for a period of five years (2016-17 to 2020-21).

3.15.2 The following faculty and its programme were approved for accreditation for a period of five years (2016-17 to 2020-21):

#### **A. Faculty of Fisheries Sciences**

Bachelor Fisheries Science (B.F.Sc)

Master in Fisheries Science (M.F.Sc)

1. Aquaculture
2. Aquatic Animal Health
3. Aquatic Environment Management
4. Fishery Economics
5. Fishery Extension
6. Fisheries Resources Management
7. Fish Processing Technology

Doctor of Philosophy (Ph.D.)

1. Aquatic Environment Management
2. Fishery Extension
3. Fish Processing Technology

#### **B. Faculty of Veterinary and Animal Sciences**

Bachelor in Veterinary Science and Animal Husbandry (BVSc&AH)

Master in Veterinary Science (MVSc)

- Animal Genetics and Breeding
- Animal Nutrition
- Veterinary Gynaecology and Obstetrics
- Livestock Products Technology
- Livestock Production and Management
- Veterinary Anatomy and Histology
- Veterinary Medicine, Ethics and Jurisprudence
- Veterinary Epidemiology and Preventive Medicine
- Veterinary Microbiology
- Veterinary Parasitology
- Veterinary Pathology
- Veterinary Pharmacology and Toxicology
- Veterinary Physiology
- Veterinary Surgery and Radiology
- Veterinary Biochemistry
- Veterinary and Animal Husbandry Extension Education



Doctor of Philosophy (Ph.D.)

- Animal Genetics and Breeding
- Animal Nutrition
- Veterinary Gynaecology and Obstetrics
- Livestock Products Technology
- Livestock Production and Management
- Veterinary Anatomy and Histology
- Veterinary Medicine, Ethics and Jurisprudence
- Veterinary Epidemiology and Preventive Medicine
- Veterinary Microbiology
- Veterinary Parasitology
- Veterinary Pathology
- Veterinary Pharmacology and Toxicology
- Veterinary Physiology
- Veterinary Surgery and Radiology
- Veterinary Biochemistry
- Veterinary and Animal Husbandry Extension Education

3.15.2.1. The M.V.Sc and Ph.D. programmes in Veterinary Public Health were not considered for accreditation since the faculty is inadequate and also the first batch of the students is yet to pass out.

3.15.3. Faculty of Dairy Technology and its programmes were not considered for accreditation on the following ground:

- 1) Currently the sanctioned and filled positions of faculty are found inadequate to offer UG, PG and Ph.D. programmes. Hence, the faculty positions need to be strengthened immediately as prescribed by the Deans' Committee of the ICAR.
- 2) Though the ICAR has extended financial support, the Experiential Learning Module has not been established properly. The equipments procured under this scheme need to be put into use on priority to offer hands-on training to the students and implement the Student READY programme as recommended by the Fifth Deans' Committee.
- 3) The Dairy plant was found idle for the last two years and sincere efforts need to be made to revive the Plant so that the students get adequate exposure.
- 4) The Laboratory facilities need to be developed in accordance with the provisions existing in the Deans' committee/Minimum Standards for Higher Agricultural Education (MSHAE) of the ICAR
- 5) The "Action Taken Report" with regard to the above remarks may be forwarded to ICAR at the earliest for reconsidering accreditation of the academic programs of the Faculty of Dairy Technology



### **3.16. Rajasthan University of Veterinary and Animal Sciences, Bikaner**

3.16.1. The accreditation to the Rajasthan University of Veterinary and Animal Sciences, Bikaner was approved for a period of five years (2016-17 to 2020-21).

3.16.2 The following faculty and its programme were approved for accreditation for a period of five years (2016-17 to 2020-21):

College of Veterinary and Animal Sciences, Bikaner, RAJUVAS

#### **I. B.V.Sc. & AH**

#### **II. Masters' programmes in the following subjects**

- Animal Breeding & Genetics
- Animal Nutrition
- Veterinary Microbiology
- Veterinary Medicine
- Veterinary Obstetrics & Gynaecology
- Veterinary Surgery & Radiology
- Veterinary Parasitology
- Veterinary Pathology
- Veterinary Anatomy
- Veterinary Physiology
- Veterinary Public Health
- Livestock Production & Management
- Veterinary Epidemiology and Preventive Medicine
- Veterinary Biochemistry
- Veterinary Pharmacology and toxicology
- Livestock Product Technology
- Veterinary and Animal Husbandry Extension
- Animal Biotechnology (M.V.Sc./M.Sc.)

#### **III. Doctorate programme in the following subjects**

- Animal Breeding & Genetics
- Animal Nutrition
- Veterinary Microbiology
- Veterinary Medicine
- Veterinary Obstetrics & Gynaecology
- Veterinary Surgery & Radiology
- Veterinary Parasitology
- Veterinary Pathology
- Veterinary Anatomy
- Veterinary Physiology
- Veterinary Public Health
- Livestock Production & Management
- Livestock Product Technology
- Animal Biotechnology



3.16.2. The following colleges and its degree programmes were not considered for accreditation:

i) Post Graduate Institute of Veterinary Education & Research (PGIVER), Jaipur

- The Institute may approach the National Agricultural Education Accreditation Board again after the laboratories and other infrastructure are established and a satisfactory level of filled up faculty position is attained.

ii) College of Veterinary and Animal Sciences, Navania, Vallabh Nagar (Udaipur)

- Looking into faculty members available and the first batch of UG is yet to pass out from this College, the Board did not consider accreditation of College of Veterinary and Animal Sciences, Navania, Vallabh Nagar, and its academic programmes. The College may approach the National Agricultural Education Accreditation Board again after pass out of first batch of B.V.Sc. & A.H. from the College and satisfactory level of filled up faculty positions.

### 3.17. Tamil Nadu Fisheries University, Nagapattanam

3.17.1. The accreditation to the Tamil Nadu Fisheries University, Nagapattanam was approved for a period of five years (2016-17 to 2020-21).

3.17.2. The following faculty and its programme were approved for accreditation for a period of five years (2016-17 to 2020-21):

Fisheries College and Research Institute, Thoothukodi

Bachelor of Fisheries Science (B.F.Sc)

Master of Fisheries Science (M.F.Sc)

1. Aquaculture
2. Fisheries Resources Management
3. Aquatic Environment Management
4. Fisheries Extension
5. Fish Processing Technology
6. Fisheries Economics
7. Fisheries Engineering and Technology
8. Fish Biotechnology

Doctor of Philosophy (Ph.D)

1. Aquaculture
2. Fisheries Resources Management
3. Fisheries Economics
4. Fish Processing Technology

3.17.2. The M.F.Sc. programme in Fish Quality Assurance and Management was not considered for accreditation as it is not prescribed by ICAR. The M.F.Sc. programme in Aquatic Animal Health, academic programmes offered in the Fisheries College and Research Institute, Ponneri and College of Fisheries Engineering, Nagapattinam were not considered for accreditation since the first batch of the students is yet to pass out.



### **3.18. Anand Agricultural University, Anand**

3.18.1. The accreditation to the Anand Agricultural University, Anand was approved for a period of five years (2016-17 to 2020-21).

3.18.2. The following Colleges and its programme were approved for accreditation for a period of five years (2016-17 to 2020-21):

#### **1. B.A. College of Agriculture, Anand**

##### **(i) Master's Degree**

- Agronomy
- Soil Science
- Biochemistry
- Genetics & Plant Breeding
- Entomology
- Agricultural Statistics
- Plant Pathology
- Agricultural Economics
- Agricultural Extension
- Crop/Plant Physiology
- Agricultural Meteorology
- Nematology
- Agricultural Microbiology
- Plant Molecular Biology & Biotechnology
- Seed Science & Technology
- Fruit Science

##### **(ii) Doctorate Degree**

- Ph.D.
- Agronomy
- Soil Science
- Biochemistry
- Genetics & Plant Breeding
- Entomology
- Agricultural Statistics
- Plant Pathology
- Agricultural Economics
- Agricultural Extension
- Crop/Plant Physiology
- Agricultural Meteorology
- Nematology
- Agricultural Microbiology
- Plant Molecular Biology & Biotechnology
- Seed Science & Technology
- Fruit Science

2. Sheth M.C. College of Dairy Science

- (i) Bachelor Degree
  - B. Tech (Dairy Technology)
- (ii) Master's Degree (M. Tech)
  - Dairy Technology
  - Dairy Engineering
  - Dairy Microbiology
  - Dairy Chemistry
- (iii) Doctorate Degree (Ph.D.)
  - Dairy Technology
  - Dairy Engineering
  - Dairy Microbiology
  - Dairy Chemistry

3. College of Agricultural Engineering & Technology, Godhra

- (i) Bachelor Degree
  - B. Tech. (Agril. Engineering)
- (ii) Master's Degree
  - Farm Machinery & Power Engineering
  - Soil & Water Engineering
  - Processing & Food Engineering
- (iii) Doctorate Degree
  - Ph.D.
  - Farm Machinery & Power Engineering
  - Soil & Water Engineering

3.18.3. The following programmes were not considered for accreditation on the ground of certain critical observation mentioned below:

1. College of Food Processing Technology & Bio-Energy

- (i) Bachelor Degree
  - B.Tech. (Food Processing Technology)
- (ii) Master's Degree
  - M. Tech. (Food processing Technology)
- (iii) Doctorate Degree
  - Ph.D. (Food Processing Technology)

The degree nomenclature of the college is not approved by the ICAR. However, if the College is able to change its degree nomenclature within a period of one year, it may be considered for accreditation, and in such case further PRT visit is not required but University has to submit substantial record and proof to the Council for the action taken in the matter.

2. College of International Agri. Business Management Institute

- Master's Degree (M.B.A(International Agri. Business))

The degree nomenclature of the college is not approved by the ICAR. However, if the college is able to change its degree nomenclature within a period of one year, it may be considered for accreditation, and in such case further PRT visit is not required but University has to submit substantial record and proof to the Council for the action taken in the matter.



3. College of Veterinary Science & Animal Husbandry, Anand

- (i) Bachelor Degree
  - B.V.Sc. & A.H.
- (ii) Master's Degree (M.V.Sc.)
  - Veterinary Anatomy & histology
  - Veterinary Pathology
  - Veterinary Parasitology
  - Veterinary Microbiology
  - Veterinary Physiology
  - Livestock Production & Management
  - Animal Genetics and Breeding
  - Veterinary Surgery & Radiology
  - Veterinary Phar. & Toxicology
  - Animal Reproduction Gynecology &Obste.
  - Veterinary Clinical Medicine Ethics & Juris.
  - Animal Nutrition
  - Veterinary Public Health
  - Poultry Science
  - Animal Biotechnology
  - Veterinary & Animal Husbandry Extension
  - Veterinary Epidemiology & Pre. Medicine
  - Livestock products Technology
  - Veterinary Biochemistry
- (iii) Doctorate Degree (Ph.D.)
  - Veterinary Anatomy & histology
  - Veterinary Pathology
  - Veterinary Parasitology
  - Veterinary Microbiology
  - Veterinary Physiology
  - Livestock Production & Management
  - Animal Genetics and Breeding
  - Veterinary Surgery & Radiology
  - Veterinary Phar. & Toxicology
  - Animal Reproduction Gynecology &Obste.
  - Veterinary Clinical Medicine Ethics & Juris.
  - Animal Nutrition
  - Veterinary Public Health
  - Poultry Science
  - Animal Biotechnology
  - Veterinary & Animal Husbandry Extension
  - Veterinary Epidemiology & Pre. Medicine
  - Livestock products Technology
  - Veterinary Biochemistry

The college should fulfill the requirement of MSVE from VCI released in 2008 and observations made by the VCI team visited earlier for faculty, supporting staff in TVCC and ILFC, and in the subject of LPT. However, if the College is able to fulfill all these requirements of Veterinary education as per guidelines of VCI and



ICAR within a period of one year, it may be considered for accreditation, and in such case further PRT visit is not required but University has to submit substantial record and proof to the Council for the action taken in the matter.

4. B.Sc. (Agri.) programme in B.A. College of Agriculture, Anand was not considered for accreditation on the ground that the student: teacher ratio in classroom is very high (133:1). However, if the college is able to fulfill the guidelines of the ICAR within a period of one year, it may be considered for accreditation, and in such case further PRT visit is not required but University has to submit substantial record and proof to the Council for the action taken in the matter.

3.18.4. The following degree programmes were not considered for accreditation as these do not meet the ICAR guidelines.

College of Agricultural Information Technology

- (i) Bachelor Degree
  - B. Tech. Agricultural Information Technology
- (ii) Master's Degree
  - M. Tech. Agricultural Information Technology

**3.19. P V Narsimha Rao Telangana Veterinary University, Hyderabad**

3.19.1. As per the recommendations of the PRT and further observation of the Sectoral Committees, the University Head Quarters of P V Narsimha Rao Telangana Veterinary University, Hyderabad is still not in place. The appointment of a regular Vice Chancellor has not yet been made. Further, all regular Statutory positions of the Deans, Directors, Associate Deans, Registrar, Comptroller, Controller of Examinations etc. have also not been filled up. In fact, clearance to fill up all these positions is yet to be accorded by the State Government. Therefore, the decision regarding accreditation of the University and its colleges is put on hold till the University addresses these issues in letter and spirit and submits the satisfactory compliance report to the Board for reconsideration for its accreditation. It is further clarified that if the University is not able to submit action taken report within two years, a new Self Study Report is required to consider for accreditation.

**3.20. Birsa Agricultural University, Ranchi**

3.20.1. The accreditation to the Birsa Agricultural University, Kanke, Ranchi was approved for a period of five years (2016-17 to 2020-2021).

3.20.2. The following Colleges and its programme were approved for accreditation for a period of five years (2016-17 to 2020-2021):

3.20.2.1. Faculty of Agriculture and its following degree programmes are recommended for accreditation for a period of five years (2016-17 to 2020-2021):

- I. Bachelor Degree Programme  
B.Sc. (Hons.) Agriculture



- II. Master Degree Programme
  - Agronomy
  - Pathology
  - Entomology
  - Soil Science & Agril. Chemistry
  - Plant Breeding & Genetics
  - Soil Physics and Agro-Meteorology
- III. Ph.D Degree Programme
  - Agronomy
  - Entomology
  - Soil Science & Agril. Chemistry
  - Plant Breeding & Genetics
  - Horticulture

3.20.2.2. Faculty of Forestry and its following degree programmes were approved for accreditation for a period of five years (2016-17 to 2020-2021):

- I. Bachelor Degree Programme  
B.Sc. (Hons.) Forestry
- II. M.Sc. (Forestry) Programme
  - Basic Science & Humanities
  - Forest Production & Utilization
  - Natural Resource Management and
  - Silviculture & Agro-forestry
- III. Ph.D. (Forestry) Programme
  - Silviculture & Agro-forestry

3.20.3. The following Colleges and its programme were not considered for accreditation

3.20.3.1. Faculty of Veterinary Science & Animal Husbandry and its degree programmes were not approved for accreditation on the ground that there is lack of requisite faculty in most of the departments as per the guidelines of MSVE (VCI) and ICAR. However, if the university is able to fill up the faculty positions within one year, it may be considered for accreditation and in such case further PRT visit is not required:

3.20.3.2. College of Biotechnology and its programmes were not considered for accreditation on the ground that these do not meet the minimum faculty norms and ICAR guidelines for imparting quality education:

3.20.3.3. The following programmes in College of Agriculture were not considered for accreditation on the ground that these do not meet the minimum faculty norms for imparting quality education:

- I. Master Degree Programme
  - Department of Agril. Extension Education

- Department Agri-Business Management
- Department of Agril. Engineering

II. Ph.D Degree Programme

- Department of Plant Pathology
- Department of Agril. Extension Education
- Department of Agril. Engineering
- Department of Soil Physics and Agro-Metrology

**3.21. University of Agricultural and Horticultural Sciences, Shivamogga**

3.21.1. The accreditation to the University of Agricultural and Horticultural Sciences, Shivamogga was approved for a period of five years (2016-17 to 2020-2021)

3.21.2. The following Colleges and its programmes were approved for accreditation for a period of five years (2016-17 to 2020-2021).

A. College of Forestry, Ponnampet

B.Sc. (Forestry)

M.Sc. (Forestry)

1. Silviculture & Agroforestry

B. College of Horticulture, Mudigere

B.Sc. (Horticulture)

M.Sc. (Horticulture)

1. Fruit Science
2. Vegetable Science
3. Floriculture & Landscape Architecture
4. Plantation, Spices, Medicinal and Aromatic Crops
5. Entomology

C. College of Agriculture, Shivamogga

B.Sc. (Agriculture)

M.Sc. (Agriculture)

12. Agricultural Entomology
13. Soil Science & Agricultural Chemistry
14. Agronomy
15. Genetics & Plant Breeding
16. Plant Pathology
17. Agricultural Extension

Ph.D. (Agriculture)

1. Agricultural Entomology
2. Soil Science & Agricultural Chemistry

3. Agronomy
4. Genetics & Plant Breeding
5. Plant Pathology

D. College of Horticulture, Hiriya

B.Sc. (Horticulture)

3.21.3. The following programmes were not considered for accreditation as these are not in compliance with the ICAR guidelines:

1. M.Sc. in Crop Improvement and Biotechnology offered by College of Horticulture, Mudigere.
2. M.Sc. (Forestry) in Forest Genetic Resources offered by College of Forestry, Ponnampet as the first batch students are not passed out.

### 3.22. Bidhan Chandra KrishiVisvavidyalaya, Mohanpur

3.22.1. The accreditation to the Bidhan Chandra KrishiVisvavidyalaya, Mohanpur was approved for a period of five years (2016-17 to 2020-2021).

3.22.2. The following Colleges and its programme were approved for accreditation for a period of five years (2016-17 to 2020-2021).

3.22.2.1. College of Agriculture, BCKV, Mohanpur

Degree programmes

- B.Sc.(Ag.)Hons.

M.Sc.(Ag) in :

- Agronomy
- Agril. Chem. & Soil Sci.
- Agril. Biochemistry
- Agril. Entomology
- Agril. Extension
- Agril. Economics
- Agril. Meteorology
- Agril. Statistics
- Genetics & Plant Breeding
- Plant Physiology
- Plant Pathology
- Seed Sci. & Technology

Ph.D.(Ag) in:

- Agronomy
- Agril. Chem. & Soil Sci.
- Agril. Biochemistry
- Agril. Entomology
- Agril. Extension
- Agril. Economics
- Agril. Meteorology

- Agril. Statistics
- Genetics & Plant Breeding
- Plant Physiology
- Plant Pathology
- Seed Sci. & Technology
- Agril. Biotechnology

### 3.22.2. College of Horticulture, BCKV, Mohanpur

#### Degree Programme

- B.Sc.(Horti)Hons

3.22.3.1. The following degree programmes of College of Horticulture were not considered for accreditation till the University is able to correct its degree nomenclature as per the ICAR guidelines. Further, the necessary laboratory and infrastructure facilities should be created to meet the Minimum requirement for education. If the University is able to meet these requirement within one year, based on its action taken report submitted to the Council, its accreditation may be considered. In such case submission of SSR again is not required

#### M.Sc.(Horti) in :

- Floriculture & Landscaping
- Fruits & Orchard Management
- Post-harvest Tech. of Hort. Crops
- Spices & Plantation Crops

#### Ph.D.( Horti) in:

- Floriculture & Landscaping
- Fruits & Orchard Management
- Post-harvest Tech. of Hort. Crops
- Spices and Plantation Crop
- Vegetable Crops

3.22.3.2. College of Agricultural Engineering, BCKV, Mohanpur and its degree programmes were not considered for accreditation till the University is able to correct its degree nomenclature and faculty strength as per ICAR guidelines. Further, the necessary laboratory and infrastructure facilities should be created to meet the Minimum Requirement for Higher Agricultural Education. If the University is able to meet these requirement within one year, based on its action taken report submitted to the Council, its accreditation may be considered. In such case submission of SSR again is not required.

- B.Tech.(Agril. Engg.)Hons.

#### M.Tech.(Agril.Engg.) in :

- Farm Machinery & Power
- Soil & Water Engineering
- Food Engineering
- Post-harvest Engineering



Ph.D.(Agril. Engg.) in :

- Farm Machinery & Power
- Soil & Water Engineering
- Food Engineering

3.22.3.3. M. Sc. (Ag) and Ph. D (Ag) in Agril. Chemicals, Soil & Water Conservation and Animal Science were not considered for accreditation as these do not meet the guidelines of ICAR.

### **3.23. Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar**

3.23.1. The accreditation to the Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar was approved for a period of five years (2016-17 to 2020-2021).

3.23.2. The following Colleges and its programme were approved for accreditation for a period of five years (2016-17 to 2020-2021).

3.23.2.1. College of Veterinary Sciences, Hisar

#### Undergraduate degree programme

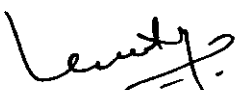
- 1) B.V.Sc& A.H

#### Master in Veterinary Science (M.V.Sc)

- 1) Animal Biotechnology
- 2) Animal Genetics and Breeding
- 3) Animal Nutrition
- 4) Veterinary Gynaecology and Obstetrics
- 5) Livestock Production Management
- 6) Livestock Products Technology
- 7) Veterinary Anatomy and Histology
- 8) Veterinary and Animal Husbandry Extension
- 9) Veterinary Biochemistry
- 10) Veterinary Medicine
- 11) Veterinary Microbiology
- 12) Veterinary Parasitology
- 13) Veterinary Pathology
- 14) Veterinary Pharmacology and Toxicology
- 15) Veterinary Physiology
- 16) Veterinary Surgery and Radiology
- 17) Veterinary Public Health & Epidemiology
- 18) Veterinary Immunology

#### Doctor of Philosophy

- 1) Animal Biotechnology
- 2) Animal Genetics and Breeding



- 3) Animal Nutrition
- 4) Veterinary Gynaecology and Obstetrics
- 5) Livestock Production Management
- 6) Livestock Products Technology
- 7) Veterinary Anatomy and Histology
- 8) Veterinary and Animal Husbandry Extension
- 9) Veterinary Biochemistry
- 10) Veterinary Medicine
- 11) Veterinary Microbiology
- 12) Veterinary Parasitology
- 13) Veterinary Pathology
- 14) Veterinary Pharmacology and Toxicology
- 15) Veterinary Physiology
- 16) Veterinary Surgery and Radiology
- 17) Veterinary Public Health & Epidemiology
- 18) Veterinary Immunology

#### **4. Other Decisions**

- 4.1. In view of earlier decision of the Board regarding four Central Universities (BHU, AMU, NU and Vishwa Bharati) having agriculture faculty as constituent colleges that these colleges of the Universities will be eligible for ICAR Grant-in-Aid and All India admission from ICAR quota students, provided these universities have on-going NAAC accreditation. While implementing this decision at the Council level, it was realized that NAAC accreditation is granted at the University level, whereas for the purpose of Grant-in-Aid and All India admission from ICAR quota students, information about colleges and programmes is essential, and the same is not reflected in NAAC reports. Considering these facts, the Board decided that ICAR accreditation for constituent agricultural colleges of Central Universities is essential. Henceforth, ICAR accreditation will be mandatory for these colleges and it will be implemented with the new guidelines for accreditation.
- 4.2. As per the information received by the Education Division, only 18-20% Agricultural Universities have submitted the Compliance report regarding adoption of V Deans' Committee Report. Adoption of the V Deans Committee Report by all AUs needs to be assured and a letter should be sent to all Vice Chancellors in the matter.
- 4.3. Since ICAR accreditation is three tier accreditation system viz., Programmes-Colleges-University, it is now required to modify its guidelines for accreditation with high degree of objectivity at all three levels. Scoring and Benchmarking in accreditation is essential while recommending the Universities.
- 4.4. For a University to qualify for the accreditation from NAEAB, its 50% constituent colleges must qualify for accreditation. Similarly, for a college to qualify for the accreditation, its 50% programmes must qualify for accreditation. In such case, the criteria for deciding the number of Under Graduate Programmes vs. number of Post Graduate/Ph. D Programmes should be formalized in the Sub-Committee constituted for preparing the new guidelines for accreditation.

- 4.5. It has been made mandatory for the Universities to submit Action Taken Reports to the Board for all remarks pertaining to University/College/Programmes by February in each year on annual basis. For further renewal of accreditation/reaccreditation of the University, the satisfactory action taken on the remarks of the Board will be essential.
- 4.6. A substantial grant has been earmarked for Green/New initiatives to be taken by the Universities, but the response from the agricultural universities is not encouraging. Therefore, these points need to be included in the PRT Checklist during evaluation of the Universities.
- 4.7. The Deemed-to-be Universities, both under the control of Government organizations or with the Trust/Societies shall be considered for accreditation only for their constituent colleges/faculties of Agriculture and Allied Sciences. The constituent colleges/faculties of Agriculture and Allied Sciences under State Universities, or the Universities under Trusts/Societies (approved by State Legislation or UGC) should also be considered for accreditation. However, accreditation of these colleges should not be linked with the Grant-in-Aid from Education Division. Before considering these institutions for accreditation, a comprehensive guidelines need to be developed in this regard. Sub-Committee constituted for preparing the guidelines should address this issue while preparing the guidelines for accreditation.
- 4.8. As per the directives of the Board, the Sectoral Committees have been reviewing the PRT reports before these reports are put up to the Board for final decision on accreditation. The Board noted a number of inconsistencies in the observations of the three Sectoral Committees for the several PRT reports. It is thus decided that the PRT reports should be put up to the Sectoral Committees when certain critical issues arise in the domain of Terms of Reference of these committees. However, these committees should be advising the Board as per ICAR By-Laws to carry out the functions of the Board for development of higher agricultural education in the country.
- 4.9. At present, the financial support is being accorded by ICAR to the Agricultural Universities for conducting Peer Reviews for accreditation to the University. The Board noted that the accreditation is an honour to the University and may help the University for achieving academic excellence. The ICAR, being the accreditation body should not pay for accreditation to the University. Rather, ICAR should follow the provisions laid down in other National Accreditation Agencies like NAAC, NBA etc. towards bearing the cost of accreditation. The Board, thus, decided that Education Division should examine procedures followed in other national accreditation agencies and bring out a proposal for consideration in the next Board Meeting.
- 4.10. General recommendations offered by the Peer Review Teams may be conveyed to the respective universities along with accreditation letter for further improvement of quality education in the university.

The meeting ended with vote of thanks to the Chair

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