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**KERALA AGRICULTURAL UNIVERSITY**

**HAND BOOK**

1978



PUBLISHED BY

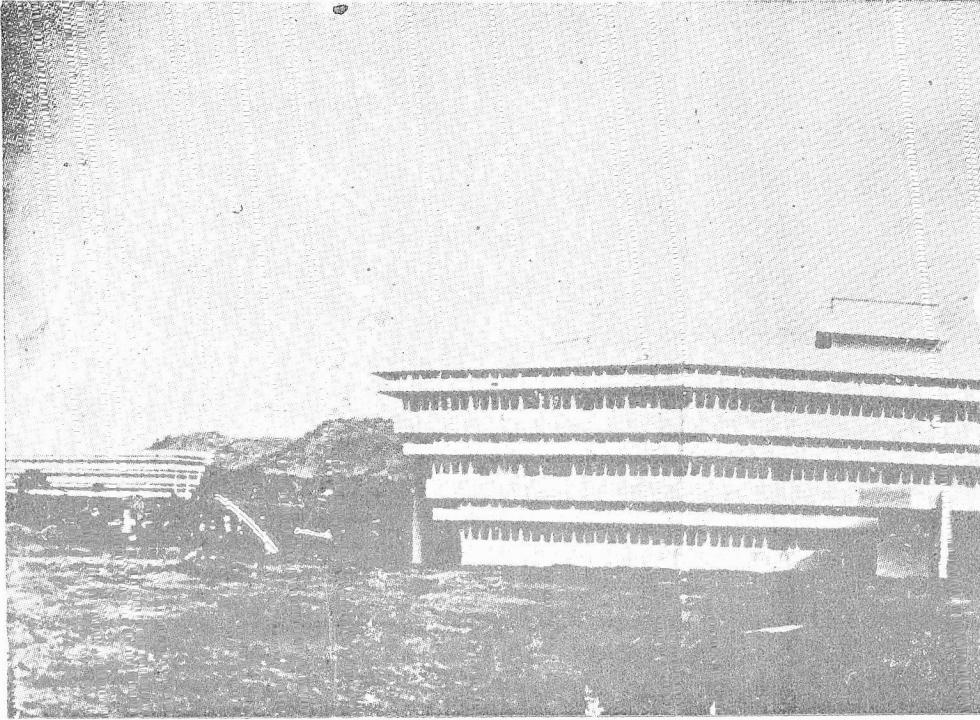
THE DIRECTORATE OF EXTENSION EDUCATION

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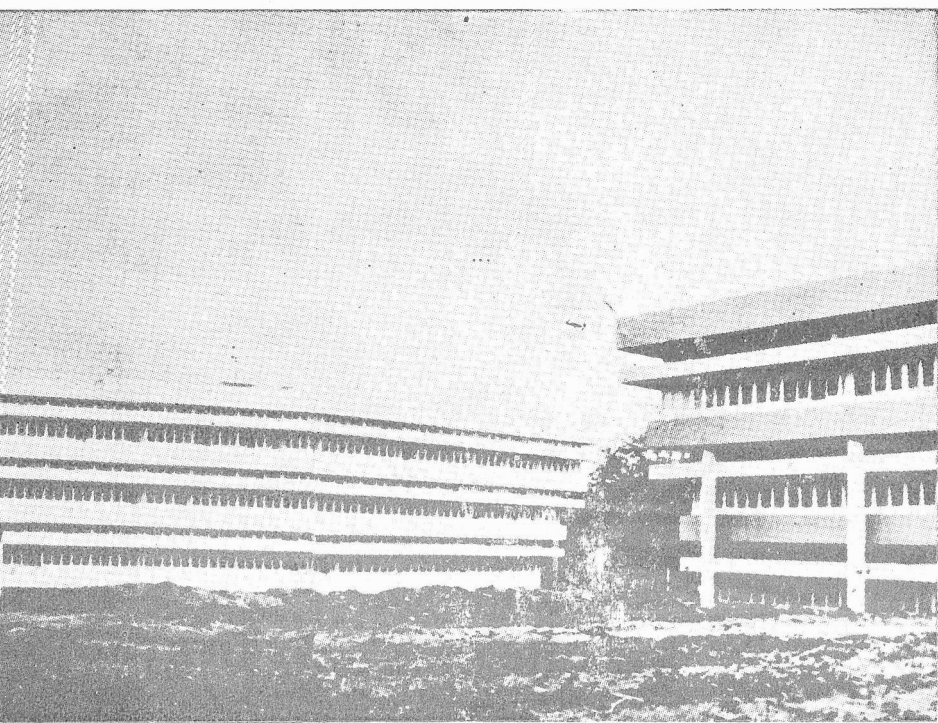
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- AGRICULTURAL UNIVERSITIES  
IN INDIA



MAIN CAMPUS



PERSPECTIVE

ENGLISH

**KERALA AGRICULTURAL UNIVERSITY**

**HAND BOOK—1978**

First Published March 1978

Copies 500

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Printing

**I. S. PRESS, TRICHUR**

Published by

**THE DIRECTORATE OF EXTENSION EDUCATION**

**KERALA AGRICULTURAL UNIVERSITY**

**VELLANIKKAVA—TRICHUR DISTRICT.**



KERALA AGRICULTURAL UNIVERSITY

□  
CHANCELLOR

**SMT. JOTHI VENCATACHELLUM**  
GOVERNOR OF KERALA

□

PRO—CHANCELLOR

**SHRI. K. SANKARANARAYANAN**  
MINISTER FOR AGRICULTURE & COMMUNITY DEVELOPMENT

□

VICE—CHANCELLOR

**SHRI. N. KALEESWARAN**

□

DEAN (AGRICULTURE)

**DR. N. SADANANDAN**

DEAN (VET. & ANIMAL SCIENCES)

**DR. P. G. NAIR**

DIRECTOR OF RESEARCH

Director of Extension Education in charge

DIRECTOR OF EXTENSION EDUCATION

**DR. V. S. S. POTTI**

DIRECTOR OF PHYSICAL PLANT

**SHRI. A. T. DEVASSY**

REGISTRAR

**SHRI. C. POULOSE**

COMPTROLLER

**SHRI. P. RAJAGOPALA PILLAI**

□

## **introduction**

The Kerala Agricultural University came into existence with effect from 24 February 1971 under the Kerala Agricultural University Act 1971. The Agricultural College and Research Institute, Vellayani and the Kerala Veterinary College and Research Institute, Mannuthy were transferred to the University to function as constituent colleges on February 1, 1972. Simultaneously, 21 agricultural and animal husbandry Research Stations were transferred to the University. Subsequently Agronomic Research Station, Chalakudy and Rice Research Station, Vyttila were transferred from the State Department of Agriculture during 1973-74. A sugarcane Farm of the Pampa River Sugar Factory in Tiruvalla was taken over by the University during 1975-76.

In view of the importance of horticultural and plantation crops in the State, a College of Horticulture was started in October 1972. The Rural Institute, Tavanur which was established in the year 1963 was taken over by the University with effect from 12 Dec. 1975.

The objects of the Kerala Agricultural University as laid down in the Act are: (1) Making provision for imparting education in different branches of study, particularly Agriculture, Animal Husbandry including Veterinary & Dairy sciences, Cooperation, Fisheries, Forestry, Agricultural Engine-



ering, Home Science and other allied branches of learning and scholarship; (2) Furthering the advancement of learning and prosecution of research particularly in agriculture and allied sciences; (3) Undertaking extension education programmes; (4) Such other purposes the University may from time to time determine.

The trimester system of instruction was introduced in the University from the academic year 1972-73. The traditional system, however, continued for the students admitted prior to 1972-73.

The University provides facilities for imparting higher education in various branches of agriculture, veterinary and animal sciences and horticulture as well as for extra curricular activities.

## **ORGANISATION**

The Governor of Kerala is the Chancellor of the University and the Minister for Agriculture, the Pro-Chancellor as enjoined by the Act. The Vice-Chancellor is the principal executive and academic officer exercising general control over all aspects of the work of the University. The Registrar and Comptroller are respectively in charge of academic and financial matters pertaining to the University. The other Officers of the University are the Deans of Faculties, the Director of Research, the Director of Extension Education, the Director of Physical Plant, the Director of Students' Welfare, the Librarian and such other persons in the service of the University as may be declared by the Statute to be the Officers of the University performing functions to promote the objectives of the University in accordance with the Act and Statutes.

## **STATUTORY AUTHORITIES**

The following are the authorities of the University:

- 1 The General Council.
- 2 The Executive Committee.
- 3 The Academic Council.

- 4 The Faculties,
- 5 The Board of Studies of each Faculty.
- 6 Such other bodies as may be specified by the statutes to be authorities of the University.

## **THE GENERAL COUNCIL**

The General Council is the supreme authority of the University and shall have the power to review the actions of the Executive Committee and the Academic Council, serve where the Executive Committee or the Academic Council has acted in accordance with the powers conferred upon it under the Act, the Statutes, the Ordinances or the Regulations and shall exercise all the powers of the University not otherwise provided for by the Act or the Statute.

The General Council is reconstituted in every three years. The present General Council includes the following members:-

- 1 Smt. Jothi Venkatachellum,  
Governor of Kerala,  
Raj Bhavan, Trivandrum.
- 2 Shri. K. Sankara Narayanan,  
Minister for Agriculture & Community Development  
Trivandrum.
- 3 Shri. N. Kaleeswaran,  
Vice-Chancellor,  
Kerala Agricultural University,  
Vellanikkara.
- 4 Shri. P. G. Muraleedharan,  
Agricultural Production Commissioner and  
Special Secretary to Government (Agriculture)  
Government Secretariat,  
Trivandrum.
- 5 Shri. K. V. Rabindran Nair,  
Special Secretary (Finance)  
Government Secretariat,  
Trivandrum.

- 6 Shri. R. Ramachandran Nair,  
Development Commissioner,  
Govt. Secretariat,  
Trivandrum.
- 7 Shri. C. K. K. Panicker,  
Director of Agriculture,  
Trivandrum.
- 8 Dr. P. K. Nambiar,  
Director of Animal Husbandry,  
Trivandrum.
- 9 Shri. Philipose Thomas,  
Milk Commissioner,  
Trivandrum.
- 10 Shri. S. N. Rao,  
Director of Fisheries,  
Trivandrum.
- 11 Shri. P. T. Devassy,  
Chief Conservator of Forests,  
Trivandrum
- 12 Shri. Babu Jacob,  
Registrar of Cooperative Societies,  
Trivandrum.
- 13 Dr. P. G. Nair,  
Dean, Faculty of Vety. & Animal Sciences,  
Mannuthy.
- 14 Dr. N. Sadanandan,  
Dean, Faculty of Agriculture,  
Vellayani.
- 15 Dr. V. S. S. Potti,  
Director of Extension Education,  
Kerala Agricultural University,  
Vellanikkara.
- 16 The Director of Research  
Kerala Agricultural University,  
Vellanikkara.

- 17 Shri. C. Sundaresan Nair,  
Post-Graduate Student,  
College of Agriculture,  
Vellayani,  
Trivandrum.
- 18 Shri. K. J. Abraham,  
Post-Graduate Student,  
College of Agriculture,  
Vellayani,  
Trivandrum.
- 19 Shri. Rajan S. Karippai,  
B. Sc. (Ag) Student,  
College of Agriculture,  
Vellayani.
- 20 Shri. Vijayan Nadar R.,  
B. V. Sc. & A. H. Student,  
College of Vety. & Animal Sciences,  
Mannuthy.
- 21 Shri P. K. Haridasan,  
Student, Institute of Agricultural Technology,  
Tavanur.
- 22 Shri. N. Rajappan Nair,  
Associate Professor (Agricultural Botany).  
Rice Research Station,  
Moncompu,  
Alleppy Dt
- 23 Dr. M. Krishnan Nair,  
Professor,  
Department of Pathology,  
College of Veterinary & Animal Sciences.  
Mannuthy.
- 24 Shri. K. M. Neelakantan Kartha,  
Livestock Assistant Gr. I,  
Pig Breeding Farm,  
Mannuthy,  
Trichur.

- 25 Shri. Geevacis Areekkal,  
President,  
Ankamali Panchayat,  
Ankamali.
- 26 Shri. K. S. Vasudeva Sharma,  
President, Venmony Panchayat,  
Alleppey Dt.
- 27 Shri. N. Chellappan Pillai,  
President,  
Thrikkovilvattom Panchayat,  
Quilon.
- 28 Shri. V. K. Kunhahammed,  
President, Kayakkodi Panchayat,  
Calicut Dt.
- 29 Shri. P. I. Pappachan,  
Chairman,  
Kunnamkulam Municipality,  
Kunnamkulam.
- 30 Shri. M. Janardhanan Nair,  
Retd. Director of Agriculture,  
Jawahar Nagar,  
Trivandrum.
- 31 Shri. Jacob P. John,  
Retd. Additional Director of Agriculture,  
Chalai, Trivandrum
- 32 Shri. N. I. Devassykutty M. L. A.  
Nadakkavukaran House,  
Kandassankadavu,  
Trichur Dt.
- 33 Shri. E. John Jacob,  
Minister for Food & Civil Supplies,  
Government of Kerala,  
Trivandrum.
- 34 Shri. E. Gopalakrishna Menon,  
Ayyanthole,  
Trichur-3.

- 35 Shri. V. S. Vijaya Raghavan,  
Erimayoor,  
Palaghat Dt.
- 36 Shri. V. Gopalakrishna Kurup,  
Chairman,  
B. D. C., Champakulam,  
"Reshmi", Alleppey-3.
- 37 Shri. P. Vijayadas,  
Vijayavilas,  
Venjaramoodu,  
Trivandrum Dt.
- 38 Shri. C. Cherian,  
Chemeen,  
Cochin-5.
- 39 Shri. S. Harihara Iyer,  
705/14,  
Valiyakunnu,  
Attingal,  
Trivandrum Dt.
- 40 Shri. James Machil,  
Secretary,  
Association of Planters of Kerala,  
Kaloor P. O.  
Cochin.
- 41 Mrs. K. Maheswari Amma,  
Chairman,  
Block Development Council,  
Ambalapuzha P. O.  
Alleppey Dt.
- 42 Shri. M. Mangala Bhanu,  
Retd. Chief Engineer,  
Vazhuthacaud,  
Trivandrum.
- 43 Shri. K. M. Chandy,  
Chairman, Rubber Board,  
Kottayam.

- 44 Shri. P. R. Francis, M. L. A.,  
Porathur House,  
Ollur P. O. Trichur Dt.
- 45 Shri. M. K. Kesavan,  
Mundodythara  
Vaikom,  
Kottayam Dt.
- 46 Shri. V. G. Kurup,  
Vayalathu Kizhakkayil,  
Kidangoor,  
Kottayam
- 47 Prof. V. S. Ouseph,  
Professor,  
Mar Ivanios College,  
Trivandrum.
- 48 Dr. Silas, E. G.,  
Director,  
Central Marine Fisheries Research Institute,  
Gopala Prabhu Road,  
Ernakulam, Cochin-11
- 49 Prof. T. P. Muhammed Kunhi,  
Sir Syed College,  
Taliparamba,  
Cannanore Dt.
- 50 Dr. M. G. Krishna Pillai,  
Professor,  
Department of Physics.  
University of Cochin,  
Cochin-22

## **THE EXECUTIVE COMMITTEE**

The Executive Committee is the chief executive body of the University. The present Executive Committee consists of the following members:

- 1 Shri. N. Kaleeswaran, — Chairman  
Vice-Chancellor

- |    |   |          |
|----|---|----------|
| 2  | Shri. P. G. Muraleedharan,<br>Agricultural Production<br>Commissioner,<br>Government of Kerala<br>Trivandrum.   | — Member |
| 3  | Shri. K. V. Rabindran Nair,<br>Spl. Secretary to Government<br>(Finance)<br>Government of Kerala<br>Trivandrum. | — Member |
| 4  | Shri. R. Ramachandran Nair,<br>Development Commissioner,<br>Government of Kerala,<br>Trivandrum.                | — Member |
| 5  | Dr. E. G. Silas,<br>Director,<br>Central Marine Fisheries Research<br>Institute, Cochin.                        | — Member |
| 6  | Prof. V. S. Ouseph,<br>Professor, Mar Ivanios College,<br>Trivandrum.   | — Member |
| 7  | Shri. E. Gopalakrishna Menon,<br>Ayyanthole,<br>Trichur-3.  | — Member |
| 8  | Shri K. S. Vasudeva Sharma,<br>President,<br>Venmony Panchayat,<br>Alleppey Dt.                                 | — Member |
| 9  | Shri. P. R. Francis, M. L. A.<br>Porathur House,<br>Ollur P. O.<br>Trichur Dt.                                  | — Member |
| 10 | Dr. N. Sadanandan,<br>Dean, Faculty of Agriculture,<br>College of Agriculture,<br>Vellayani.                    | — Member |



- 11 Dr. M. Krishnan Nair, — Member  
 Professor of Pathology,  
 College of Vety. & Animal Sciences,  
 Mannuthy.
- 12 Shri. C. Poulouse, — Ex-officio Secretary  
 Registrar,  
 Kerala Agricultural University,  
 Vellanikkara

## THE ACADEMIC COUNCIL

The Academic Council shall, subject to the provisions of the Act and the Statutes, have the control and general regulation and be responsible for the maintenance of standards of instruction, education and examination within the University and shall exercise such other powers and perform such other functions as may be conferred or imposed upon it by the Statute. The present Academic Council consists of the following members :

- 1 Shri. N. Kaleeswaran,  
 Vice-Chancellor.
- 2 Dr. N. Sadanandan,  
 Dean, Faculty of Agriculture,  
 College of Agriculture,  
 Vellayani.
- 3 Dr. P. G. Nair,  
 Dean,  
 College of Vety. & Animal Sciences,  
 Mannuthy.
- 4 The Director of Research,  
 Kerala Agricultural University,  
 Vellanikkara.
- 5 Dr. V. S. S. Potti,  
 Director of Extension Education  
 Kerala Agricultural University,  
 Vellanikkara.

- 6 Sri. C. Poulose,  
Registrar, Kerala Agricultural University,  
Vellanikkara.
- 7 Shri K. P. Padmanabhan Nambiar,  
Deputy Director,  
Rice Research Station,  
Pattambi.
- 8 Dr. C. R Ananthasubramaniom,  
Research Officer, ICAR Project on Agr. Bye-Products,  
Mannuthy.
- 9 Shri. K. Sreenivasan,  
Professor of Horticulture,  
College of Agriculture,  
Vellayani.
- 10 Dr. C. K. S. V. Raja,  
Professor of Obstetrics & Gynaecology,  
College of Vety. & Animal Sciences,  
Mannuthy.
- 11 Shri. P. G. Muraleedharan,  
Secretary to Government (Agriculture Department)  
and Agricultural Production Commissioner,  
Government of Kerala, Trivandrum.
- 12 Shri C. K. K. Panicker,  
Director of Agriculture,  
Trivandrum.
- 13 Dr. P. K. Nambiar,  
Director of Animal Husbandry,  
Trivandrum.
- 14 Sri. K. P. Vasudevan Nair.  
Ph. D. Student,  
College of Agriculture, Vellayani.
- 15 Sri. P. Rajendran,  
M. Sc. (Ag) Student,  
College of Agriculture,  
Vellayani.

## THE BOARDS OF STUDIES

At present, there are two Boards of Studies: Viz. (1) Board of Studies in the Faculty of Agriculture and (2) Board of Studies in the Faculty of Veterinary and Animal Sciences. The first Board of Studies was constituted as per order 25619/76 dt 5-7-1976. The present Board of studies consists of the following:

### BOARD OF STUDIES IN AGRICULTURE

1	Dean, Faculty of Agriculture	Chairman.
2	Professor of Agronomy	Member
3	Professor of Agricultural Botany	Member
4	Professor of Agricultural Chemistry	Member
5	Professor of Agricultural Entomology	Member
6	Professor of Plant Pathology	Member
7	Professor of Agricultural Extension	Member
8	Professor of Horticulture	Member
9	Professor of Agricultural Economics	Member
10	Associate Professor of Agricultural Engineering.	Member
11	Professor of Agricultural Statistics	Member
12	Dr. K. K. Krishna Moorthi, Dean i/c, College of Agriculture & Research Institute, Coimbatore-3.	Member
13	Dr. K. Ramakrishnan, Dean, University of Ag. Sciences, Hebbal, Bangalore.	Member
14	Dr. M. Aravindakshan, Associate Professor, College of Horticulture, Vellanikkara.	Member
15	Dr. P. C. Sivaraman Nair, Associate Professor, College of Horticulture, Vellanikkara.	Member

**BOARD OF STUDIES IN VETERINARY  
AND ANIMAL SCIENCES**

1	Dean, Veterinary & Animal Sciences	Chairman
2	Professor of Anatomy	Member
3	Professor of Bacteriology	Member
4	Professor of Dairy Science	Member
5	Professor of Extension	Member
6	Professor of Nutrition	Member
7	Professor of Pharmacology	Member
8	Professor of Physiology & Biochemistry	Member
9	Professor of Medicine	Member
10	Professor of Poultry Science	Member
11	Professor of Pathology	Member
12	Professor of Obstetrics & Gynaecology	Member
13	Professor of Surgery	Member
14	Professor of Statistics	Member
15	Professor of Animal Management	Member
16	Professor, Animal Breeding & Genetics	Member
17	Professor, Therapeutics	Member
18	Professor, Vety. Public Health	Member
19	Dr. V. Ratnasabhpathy, Dean, Madras Vety. College, Madras-7	Member
20	Dr. G. Veeraraghavan, Professor of Animal Science, A. P. Agricultural University, Rajendra Nagar (AP)	Member

**OFFICERS OF THE UNIVERSITY**

1	The Chancellor:	Smt. Jothi Venkatachellum Governor of Kerala
---	-----------------	---

- |    |   |  |
|----|---|--|
| 2  | The Pro-Chancellor:                     | Shri. K. Sankara Narayanan,<br>Minister for Agriculture and<br>Community Development, Kerala |
| 3  | The Vice-Chancellor:                    | Shri. N. Kaleeswaran   |
| 4  | The Registrar:                          | Shri. C. Poullose  |
| 5  | The Comptroller:                        | Shri. P. Rajagopala Pillai   |
| 6  | The Director of<br>Research:            | Director of Extension Education-<br>in-charge  |
| 7  | The Director of<br>Extension Education: | Dr. V. S. S. Potti   |
| 8  | The Director of<br>Physical Plant:      | Shri. A. T. Devassy  |
| 9  | The Dean (Agriculture):                 | Dr. N. Sadanandan  |
| 10 | The Dean (Vety. &<br>Animal Sciences):  | Dr. P. G. Nair   |
| 11 | The Director of Students' Welfare*      |  |
| 12 | The Librarian *                         |  |

\* Posts not created

## **PROGRAMMES**

### **Research**

Research projects are implemented in the Research Stations and College Departments. The Professor of the Department is primarily responsible for the proper implementation of projects in each discipline. The schemes have to be approved by the Faculty Research Committee in which all the Professors and Dean are members with the Director of Research as Chairman. This is to ensure that multi-disciplinary approach is adopted in tackling field problems. Schemes cleared by the Faculty Research Committee are scrutinized and approved by the Research Council. After approval by the Research Council, the project leaders can implement the schemes, subject to budget provision being available. The representation of other Agricultural Universities in the South

in the Research Council helps collaboration work and better technical scrutiny of Research Projects.

The University has enunciated a research policy to emphasise the need for research oriented towards solving the problems of farmers, increasing total agricultural production in the State as well as net income of farmers, thereby enabling them to substantially improve their standard of living. The ancillary considerations kept in view are maximisation of the use of farmers' own resources, increased labour use in farming and better land productivity, water use efficiency, reduction of drudgery in farm operations, means to improve livestock and poultry production and reduction in costs of production.

On the basis of the above policy, the research activities of the Kerala Agricultural University have been made more comprehensive to cover all economically important crops grown in the State, new crops that can be successfully introduced, problems relating to cattle, buffaloes, goats, pigs, poultry and ducks, inland fisheries and integrated homestead farming. Over 720 research projects are in progress.

In the formulation of research projects, progressive farmers and extension personnel of the Departments are intimately associated. Farm problems are identified in workshops of research scientists and extension workers, in farmer's conventions and in the Research Advisory Committee. Close linkages have been established with Central Institutes in the State. To implement location specific research projects, trials are laid out in farmers' fields also. This takes care of field level constraints in scientific cultivation. Multidisciplinary and multilocational projects are being implemented.

At present there are 24 All India Coordinated Projects under operation in the University as follows:-

- 1 All India Coordinated Agronomic Research Project - Pattambi.
- 2 All India Co-ordinated Agronomic Research Project - Malappuram.
- 3 All India Co-ordinated Agronomic Research Project - Karamana

- 4 All India Co-ordinated Spices and Cashewnut Improvement Project of ICAR - sub centre: Cardamom Research Station, Pampadumpara.
- 5 All India Co-ordinated Spices & Cashewnut - Research in pepper - Pepper Research Station, Panniyur.
- 6 All India Co-ordinated Spices & Cashewnut Improvement Project - Mannuthy.
- 7 Integrated Project for Research in Water management and soil salinity - Chalakudy
- 8 All India Co-ordinated Fruit Improvement Project (Banana & Pineapple) - Kannara.
- 9 All India Co-ordinated Rice Improvement Project - Pattambi.
- 10 Scheme for Model Agronomic Research Experiments- Karamana.
- 11 All India Coordinated Project for Research on Forage Crops- Vellayani.
- 12 All India Coordinated Floriculture Improvement Project - Vellanikkara.
- 13 All India Coordinated Pulse Scheme - Pattambi.
- 14 Special Diseases and Pests Investigation - Moncompu.
- 15 All India Coordinated Rice Improvement Project- Mannuthy.
- 16 All India Coordinated Project on Improvement of Tuber Crops - Nileshtar.
- 17 All India Coordinated Coconut and Arecanut Improvement Project - Nileshtar.
- 18 All India Coordinated Fruit Improvement Project (Citrus die-back), Ambalavayal.
- 19 All India Coordinated Sugarcane Improvement Project - Tiruvalla.
- 20 All India Coordinated Research Project for Investigation on Agricultural Bye-Products and Industrial waste materials for evolving economic rations for Livestock - Mannuthy.
- 21 Studies on Porcine Enterovirus in Kerala.
- 22 All India Co-ordinated Research Project on Brackish Water Fish Farming, Vyttila.
- 23 All India Co-ordinated Research Projects on Goats for Milk production - Mannuthy.
- 24 All India Coordinated Project on National Demonstrations- Mannuthy (under the Directorate of Extension Education)

## EXTENSION EDUCATION

The Extension Education policy of the Kerala Agricultural University clearly recognises the following principles: (1) There is an adequate network of field extension officers for the State Extension Departments and hence the University need not duplicate their services. The function of the University is only to provide the technical backstop to this field extension machinery; (2) the higher literacy and newspaper reading habit of farming public must be borne in mind while organising extension education programme; and (3) it will be desirable to inculcate amongst our educated farmers not only the technical skills of farming, but to make them more as practising scientists by imparting scientific principles on which farm practices are to be involved.

Based on the principles outlined above, the Directorate of Extension Education of the University is functioning on the fountain-head for dissemination of scientific know-how to the farming community of Kerala. The Directorate organises in-service training programmes for the staff of State Departments of Agriculture, Animal Husbandry and Dairy Development, Cardamom Board and also for school Teachers, farmers etc. Twenty four training programmes were undertaken by the Directorate of Extension Education during 1977-78.

Apart from the Training programmes, the Extension wing undertook extension activities like publication of periodicals, information communication through press and radio, advisory and consultative services and Public Relation programmes. Journals published by the Directorate include Kalpadhenu—the extension education bimonthly, the Kerala Journal of Veterinary Science and the Agricultural Research Journal of Kerala. Monthly Newsletter is being issued regularly as a part of public relations activity. Package of Practices Recommendations for Agricultural Crops and for Livestock and Poultry management are being formulated and published annually. The Communication Centre attached to the Extension Directorate disseminates scientific technology to the farming community through all available media like newspapers, exhibitions, Radio, projection of slides etc. Publication of



articles in 'Karshikarangom' column of the leading malayalam dailies of the State, publication of serialised lessons on Agriculture and Animal Husbandry, conduct of Correspondence Course for farmers, publication of books and participation in the farm and home and farm school on the air programmes of All India Radio are the projects taken up by the Communication Centre at present.

A village adoption programme to enable the University scientists to get direct knowledge of farming situations and to serve as field laboratories for the University research and teaching programme has been implemented in 10 Villages. Incidentally integrated development of these villages will also be covered. The research results will be tested in these adopted villages to identify any field constraints on the effectiveness of new research recommendations.

A University Press has been established. The Directorate is supporting the Directorate of Tribal Development in improving the tribals' farming.

## **EXTENSION EDUCATION PROJECTS.**

### **TRAINING PROGRAMMES**

<i>Code No.</i>	<i>Title of the Schemes</i>
01 : 01 : 01	Inservice Training for Junior Agri. Officers.
01 : 01 : 02	Inservice Training for Agricultural Demonstrators.
01 : 01 : 03	Training for Managerial Staff of Co-op. Societies
01 : 02 : 01	Advanced Training in Plant Protection for Agricultural Officers.
01 : 02 : 02	Training of Field Supervisors in Agriculture
01 : 02 : 03	Training for Science Teachers in Soil Testing
01 : 02 : 04	Training in Handling Meteorological instruments and recording of data.
01 : 02 : 05	Training in Seed Multiplication.
01 : 02 : 66	Training in Minikit Trials.
02 : 03 : 01	Training for Gardeners.

- 01 : 03 : 02 Training in vegetative Propagation Techniques in cashewnut.
- 01 : 03 : 03 Training in Tree Plantation and Management for Railway Staff.
- 01 : 03 : 04 Training of FAO Fellows.
- 01 : 03 : 05 Training in Fruit and Vegetable Preservation for Farm women.
- 01 : 04 : 01 Training in Artificial Insemination techniques and Pregnancy Diagnosis to Dairy Extension Officers.
- 01 : 04 : 02 Inservice Training for Dairy Farm Instructors
- 01 : 04 : 03 Training in Dairy Husbandry and Management (AFPRO Sponsored)
- 01 : 04 : 04 Training in the Problems of Infertility and of Sterility in Domestic Animals for Veterinary Surgeons.
- 01 : 04 : 05 Training for Livestock Assistants in Artificial Insemination and Pregnancy Diagnosis
- 01 : 04 : 06 Training in Clean Milk Production and Quality Control of Milk and Milk Products.
- 01 : 01 : 04 Training for I. A. S. Probationers.
- 01 : 01 : 05 Extension Lecture series
- 01 : 01 : 06 Visiting Farmer Professorships.

## **TRAINING COURSES**

- 02 : 01 : 01 Certificate Course in Agriculture
- 02 : 02 : 01 Training Course in Agricultural Machinery
- 02 : 04 : 01 Refresher Training Course for Senior Officers of Department of Animal Husbandry
- 02 : 04 : 02 Livestock Assistants' Training Course

## **INFORMATION COMMUNICATION**

- 03 : 01 : 01 Publication of Periodicals-KALPADHENU
- 03 : 01 : 02 Publication of Periodicals-KAU Newsletter
- 03 : 01 : 03 Publication of Periodicals-Agres News
- 03 : 01 : 04 Publication of books

- 03 : 01 : 05 Farm News service-Publication of Articles and serialised lessons.
- 03 : 01 : 06 Establishment of Information Centre, Audio visual Laboratory and Organisation of Exhibition, Melas etc.
- 03 : 01 : 07 Organisation of Field days.
- 03 : 02 : 01 Publication of Research Journals-Agricultural Research Journal of Kerala.
- 03 : 02 : 02 Publication of Research Abstracts-Agri. Abstracts.
- 03 : 03 : 03 Establishment of Rodent Control Museum.
- 03 : 03 : 01 Publication of Research Abstracts - Horti. Abstracts.
- 03 : 04 : 01 Publication of Research Journals-Kerala Journal of Veterinary Science
- 03 : 04 : 02 Publication of Research Abstracts - Ani - Vet Abstracts.

#### TECHNICAL ASSISTANCE & ADVISORY SERVICES

- 04 : 01 : 01 Village Adoption Programme.
- 04 : 01 : 02 Technical Assistance for Tribals.

#### EXTENSION STUDIES

- 05 : 02 : 01 Study on constraints to Adoption of high yielding varieties of Rice.
- 05 : 02 : 02 Field Research and Testing.

#### DEMONSTRATIONS & TRIALS.

- 06 : 02 : 01 Root zone application of Carbofuran and Urea for effective rice pest control and improved fertilizer efficiency using liquid injector.
- 06 : 02 : 02 Intercropping of tapioca with groundnut
- 06 : 03 : 03 National Demonstrations.
- 06 : 03 : 01 Demonstrations of New Technology.

# **officers, teaching staff & supervisory staff**

## **KAU HEADQUARTERS, VELLANIKKARA**

- 1 Sri N. Kaleeswaran, Vice-Chancellor
- 2 Sri C. Poulouse, Registrar
- 3 Sri P. Rajagopala Pillai, Comptroller
- 4 Dr. V. S. S. Potti, Director of Extension Education
- 5 Dr. R. Gopalakrishnan, Special Officer (Eco-System)
- 6 Sri T. M. Ibrahimkutty, Estate Officer
- 7 Sri C. N. Muraleedharan Nair, Labour Officer
- 8 Sri V. K. Moideen Koya, Public Relations Officers
- 9 Sri K. T. Narayanan Nambiar, Asst. Registrar
- 10 Sri C. K. Ramakrishnan, Asst. Registrar
- 11 Dr. T. R. Sankunny, Assistant Registrar
- 12 Sri K. Ramakrishnan, Asst. Comptroller
- 13 Smt. P. Lekshmikutty Amma, Asst. Comptroller
- 14 Sri M. Wilson, Section Officer
- 15 Sri P. C. Ravindran Pillai, Section Officer
- 16 Sri Philip K. Kurian, Section Officer
- 17 Sri K. Balakrishnan Nair, Section Officer
- 18 Sri T. P. Ponnann, Section Officer
- 19 Sri P. K. Ramachandran Nair, Section Officer
- 20 Sri M. S. Thoma, Section Officer
- 21 Sri N. Balakrishnan Nair, Section Officer
- 22 Smt. V. A. Saraswathi Bai, Section Officer

- 23 Sri K. Viswambharan, Section Officer
- 24 Sri K. A. Appu Chettiar, Section Officer
- 25 Smt. B. Syamala Devi, Section Officer
- 26 Sri O. Vinodakrishnan, Section Officer
- 27 Sri K. K. Parameswaran, Section Officer
- 28 Sri P. S. Kesavan Nair, Section Officer
- 29 Sri K. U. Abdul Khader, P. A. to Vice-Chancellor
- 30 Sri V. Radhakrishnan, Special Officer (Agrl. Economics)

### **COLLEGE OF AGRICULTURE, VELLAYANI.**

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- 2 Dr. Mary K. George, Professor of Botany.
- 3 Dr. M. M. Koshy, Professor of Chemistry
- 4 Dr. M. Ramanatha Menon, Professor of Plant Pathology.
- 5 Prof. K. Sreenivasan, Professor of Horticulture
- 6 Shri. E. J. Thomas, Professor of Statistics
- 7 Sri A. G. G. Menon, Professor of Extension
- 8 Dr. C. Sreedharan, Associate Professor of Agronomy
- 9 Sri K. P. Madhavan Nair, Associate Professor in Agronomy
- 10 Sri K. Pushpangadhan, Assoc. Professor, Instructional Farm
- 11 Sri U. Mohammed Kunju, Assoc. Professor of Agronomy.
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- 15 Dr. V. Gopinathan Nair, Assoc. Professor of Botany.
- 16 Sri K. Gopakumar, Assoc. Professor of Botany
- 17 Sri R. Gopimony, Asst. Professor of Botany
- 18 Sri C. A. Joseph, Asst. Professor of Botany
- 19 Sri Luckins C. Babu, Asst. Professor of Botany
- 20 Dr. S. J. Mercy, Asst. Professor of Botany
- 21 Sri P. D. Vijayagopal, Asst. Professor of Botany
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- 25 Dr. R. Subramonia Iyer, Assoc. Professor of Chemistry
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- 27 Smt. Alice Abraham, Asst. Professor of Chemistry
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- 29 Sri T. S. Venkitesan, Assoc. Professor (Entomology)
- 30 Sri S. T. Christudas, Assoc. Professor (Entomology)

- 31 Sri K. Johnson, Asst. Professor (Entomology)
- 32 Sri Abraham Jacob, Asst. Professor (Entomology)
- 33 Dr. D. Dale, Asst. Professor (Entomology)
- 34 Sri George Koshy, Asst. Professor (Entomology)
- 35 Sri N. J. Narayanan, Asst. Professor (Entomology)
- 36 Dr. John Kurian, Asst. Professor (Entomology)
- 37 Sri P. A. Rajan Asari, Asst. Professor (Entomology)
- 38 Sri M. J. Thomas, Asst. Professor (Entomology) (Ph. D. Student)
- 39 Sri K. P. Vasudevan Nair, Asst. Prof. (Entomology) – (Ph. D. Student)
- 40 Smt. A. Visalakshy, Asst. Professor (Entomology)
- 41 Dr. K. I. Wilson, Associate Professor (Pathology)
- 42 Dr. M. Chandrasekharan Nair, Asst. Professor (Pathology)
- 43 Smt. L. Rema Devi, Asst. Professor (Pathology)
- 44 Sri. P. Karunakaran, Asst. Professor (Pathology)
- 45 Dr. James Mathew, Asst. Professor (Pathology)
- 46 Sri. P. Sethumadhavan, Assoc. Professor (Horticulture)
- 47 Dr. N. Mohanakumaran, Assoc. Professor (Horticulture)
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- 49 Sri S. Venugopalan, Asst. Professor (Economics)
- 50 Smt. P. Saraswathy, Professor (Economics)
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- 52 Sri. P. Jacob John, Asst. Professor (Engg.)
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- 58 Sri. E. T. Jacob, Asst. Professor (Animal Science)
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- 62 Smt. Prasannakumari, Junior Instructor
- 63 Sri. J. Arthur Jacob, Junior Instructor
- 64 Sri. Abdul Vahab, Junior Instructor
- 65 Sri. N. Gopalakrishnan Nair, Instructor
- 66 Sri. N. Ramachandran Nair, Instructor
- 67 Sri. T. S. Rajendran, Instructor
- 68 Smt. K. Santhakumari, Instructor
- 69 Sri K. J. Alice, Instructor,

- 70 Sri. H. Mohammed Hussan, Instructor
- 71 Sri. K. I. Thomakutty, Instructor
- 72 Sri D. V. Rajendran, Instructor
- 73 Sri Abdul Razak M. P., Instructor
- 74 Sri Jippu Jacob, Instructor
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- 76 Sri A. P. Lawrence, Section Officer
- 77 Sri M. Krishnan Nair, Section Officer
- 78 Sri P. G. Ramachandra Kurup, Section Officer
- 79 Sri M. Nakulan, Section Officer
- 80 Sri J. I. Walsalam, Section Officer
- 81 Smt. K. Pankajakshy, Section Officer
- 82 Sri S. Ponnayyan, Section Officer

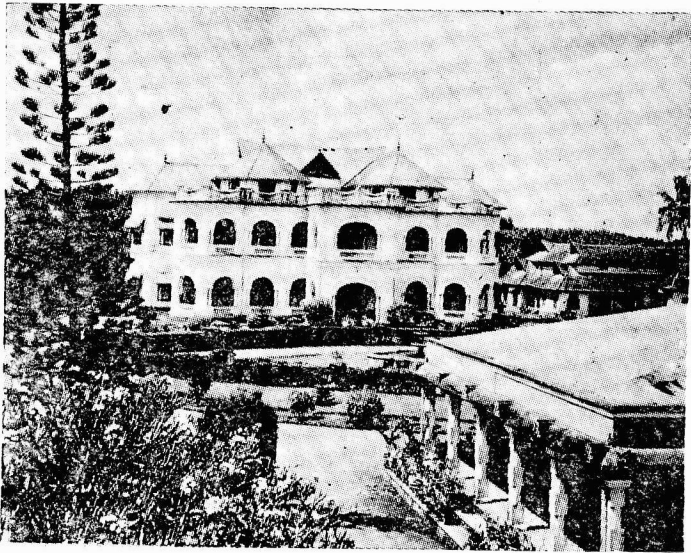
### COLLEGE OF HORTICULTURE

- 1 Sri V. K. Damodaran, Dean in-Charge
- 2 Dr. P. K. Gopalakrishnan, Assoc. Professor
- 3 Dr. P. C. Sivaraman Nair, Assoc. Professor
- 4 Dr. M. Aravindakshan, Assoc. Professor
- 5 Dr. C. C. Abraham, Assoc. Professor
- 6 Dr. Abi Cheeran, Assoc. Professor
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- 8 Dr. A. I. Jose, Assoc. Professor
- 9 Dr. P. Balakrishna Pillai, Assoc. Professor
- 10 Dr. N. Vikraman Nair, Assoc. Professor
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- 12 Smt. Droupathy Devi, Asst. Professor
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- 15 Sri. G. Sreekantan Nair, Asst. Professor
- 16 Dr. P. B. Gopinath, Asst. Professor
- 17 Sri. K. Babukutty, Asst. Professor
- 18 Sri. P. J. Joy, Asst. Professor
- 19 Sri. G. Madhavan Nair, Asst. Professor
- 20 Sri. K. Kuttappan Nair, Administrative Assistant
- 21 Smt. K. Padmavathy, Section Officer
- 22 Sri. P. M. Chandran, Section Officer

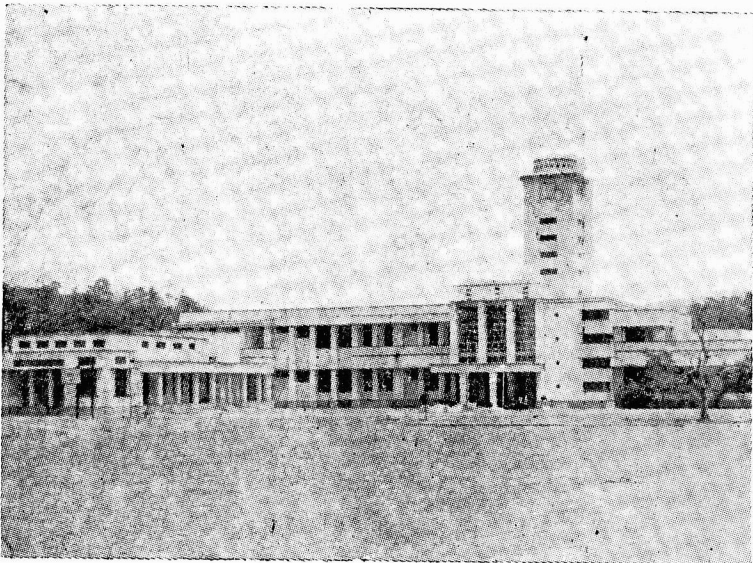
### COLLEGE OF VETERINARY & ANIMAL SCIENCES

- 1 Dr. P. G. Nair, Dean
- 2 Dr. A. Venugopalan, Professor of Surgery

COLLEGE OF AGRICULTURE, VELLAYANI



COLLEGE OF VET. & ANIMAL SCIENCES, MANNUTHY





RICE RESEARCH STATION, PATTAMBI



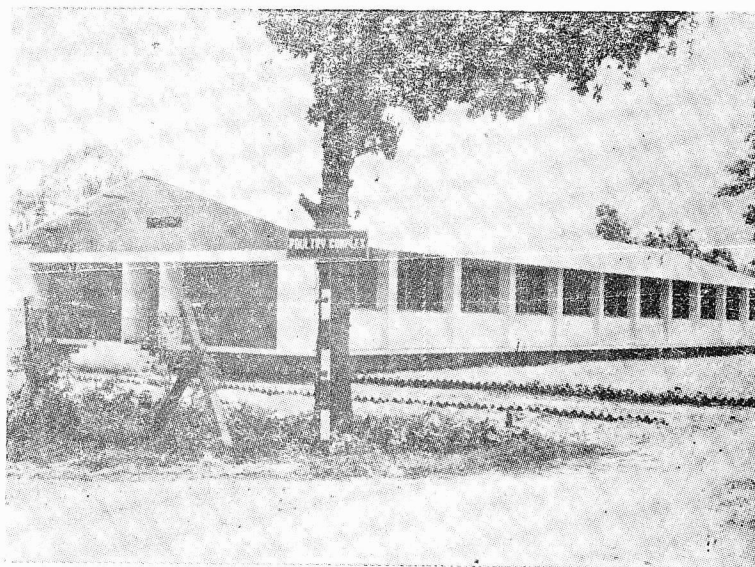
COCONUT RESEARCH STATION, PILICODE

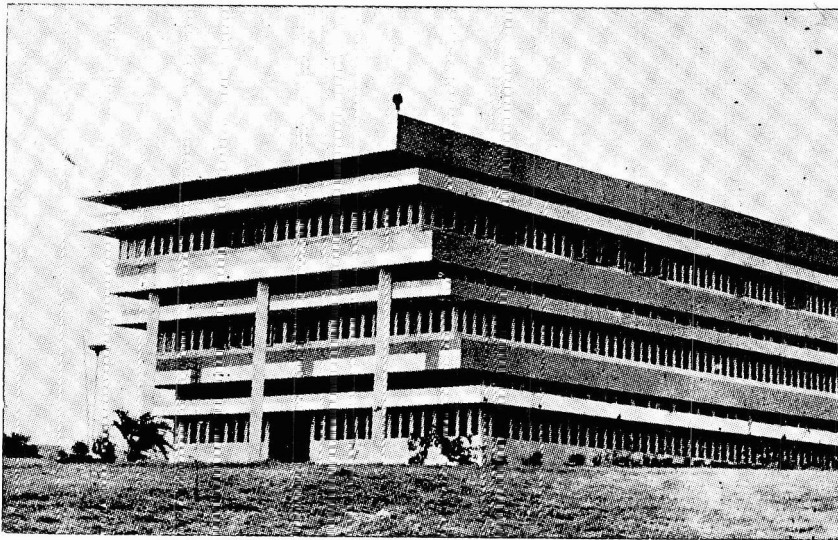


DAIRY COMPLEX, MANNUTHY

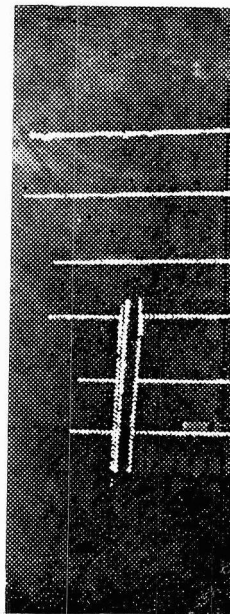


POULTRY COMPLEX, MANNUTHY



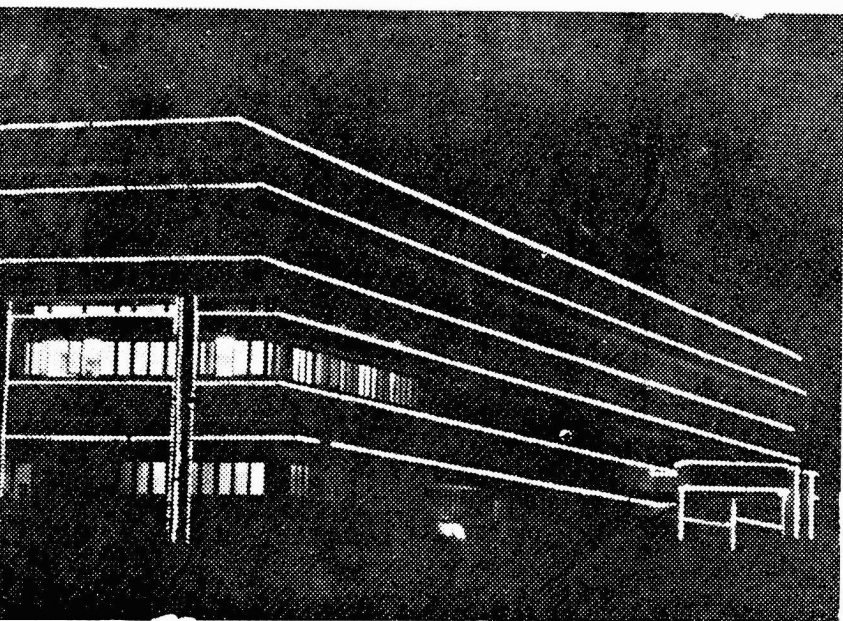


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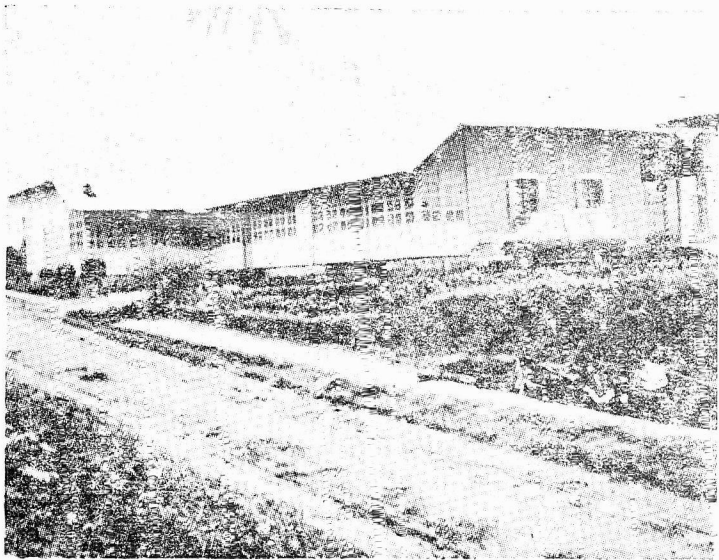




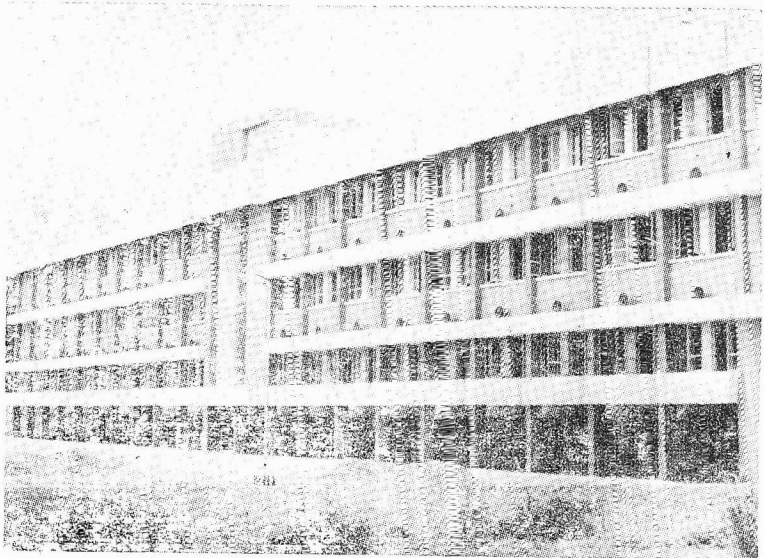
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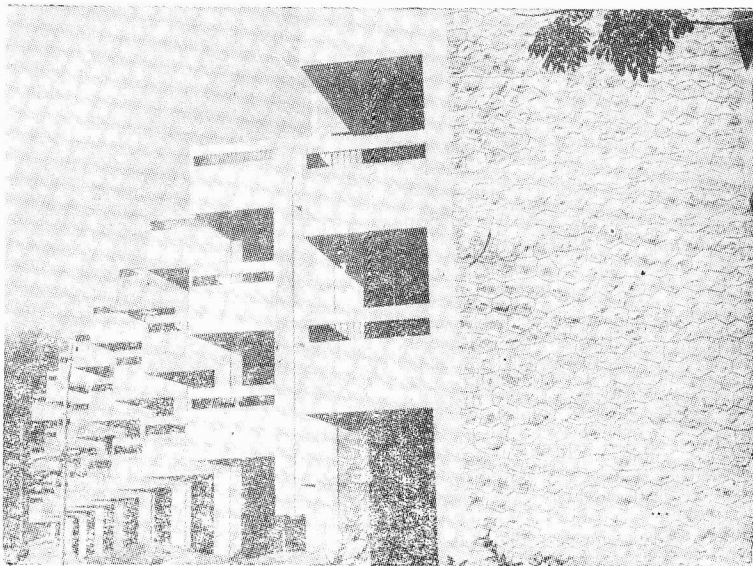
CARDAMOM RESEAFCH STATION, PAMBADUMPARA



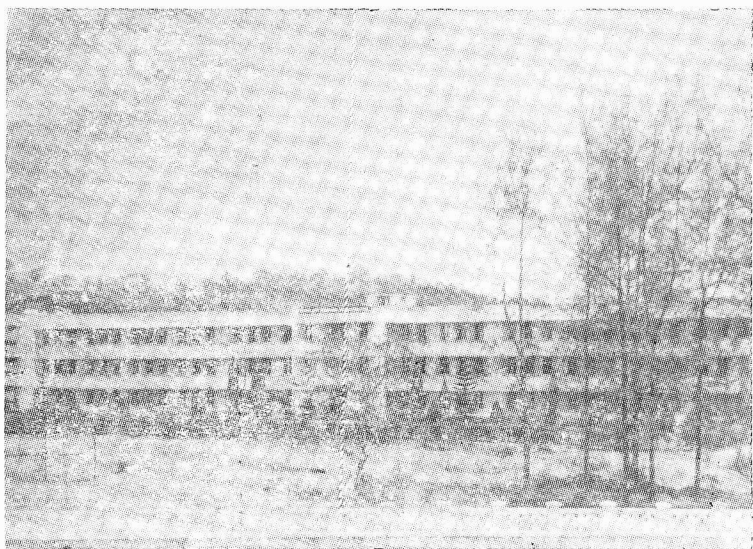
ANIMAL SCIENCE BLCK, MANNUTHY



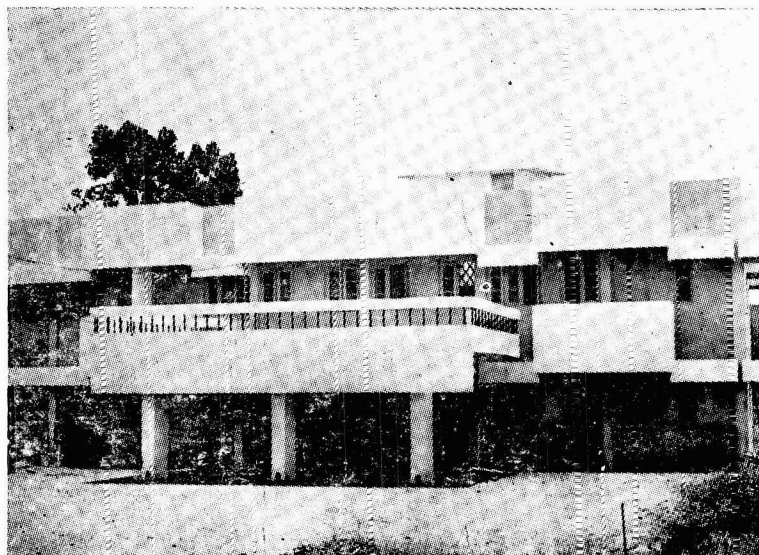
HORTICULTURAL COLLEGE HOSTEL, VELLANIKKARA



VETERINARY COLLEGE HOSTEL, MANNUTHY



POST GRADUATE HOSTEL, MANNUTHY



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- 6 Dr. G. Nirmalan, Professor of Physiology
- 7 Dr. E. Sivaraman, Professor of Nutrition
- 8 Dr. M. Subramoniam, Professor of Dairy Science
- 9 Dr. G. R. Nair, Professor of Extension
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- 11 Dr. M. K. Rajagopalan, Professor of Pharmacology
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- 21 Dr. K. Pavithran, Asst. Professor (Dairy Science)
- 22 Dr. M. N. Parameswaran, Asst. Professor (Dairy Science)
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(Animal Management)
- 24 Dr. Kurian Thomas, Asst. Professor (Animal Management)
- 25 Dr. T. Prabhakaran, Assoc. Professor (Extension)
- 26 Dr. P. S. Pushkaran, Asst. Professor (Extension)
- 27 Dr. A. Rajan, Assoc. Professor (Pathology)
- 28 Dr. K. I. Maryamma, Asst. Professor (Pathology)
- 29 Dr. K. V. Valsala, Asst. Professor (Pathology)
- 30 Dr. S. Sulochana, Assoc. Professor (Bacteriology)
- 31 Dr. T. R. Bharathan Namboodiripad, Assoc. Professor  
(Obst. & Gyn.)
- 32 Dr. C. P. Neelakanta Iyer, Assoc. Professor (Obst. & Gyn.)
- 33 Dr. K. Prabhakaran Nair, Assoc. Professor (Obst. & Gyn.)
- 34 Dr. V. Sudarsanan, Asst. Professor (Obst. & Gyn.)
- 35 Dr. K. Rajamohanam, Assoc. Professor (Parasitology)
- 36 Dr. K. Chandrasekharan, Asst. Professor (Parasitology)
- 37 Dr. V. Sathianesan, Asst. Professor (Parasitology)
- 38 Dr. K. Madhavan Pillai, Asst. Professor (Parasitology)
- 39 Dr. Georgekutty P. T., Assoc. Professor (Medicine)
- 40 Dr. E. P. Paily, Assoc. Professor (Medicine)



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- 42 Dr. Jacob V. Cheeran, Asst. Professor (Pharmacology)
- 43 Dr. P. Marykutty, Asst. Professor (Pharmacology)
- 44 Dr. K. M. Alikutty, Assoc. Professor (Therapeutics)
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- 46 Dr. P. O. George, Assoc. Professor (Surgery)
- 47 Dr. K. N. Muraleedharan, Asst. Professor (Surgery)
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- 50 Dr. M. Soman, Assoc. Professor (Public Health)
- 51 Dr. P. Prabhakaran, Asst. Professor (Public Health)
- 52 Dr. F. V. Prabhakaran, Asst. Professor (Public Health)
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- 54 Sri P. K. Ismail-Chemist
- 55 Sri. Nandakumaran, Chemist
- 56 Sri. Regunandanan, Chemist
- 57 Sri. P. M. Krishnankutty Nair, Administrative Assistant.
- 58 Sri. P. V. Karunakaran Nair, Section Officer
- 59 Sri. P. V. Gopalakrishnan Nair, Section Officer
- 60 Sri. K. R. Mohanan, Section Officer

### **GOAT PROJECT**

- 1 Dr. B. R. Krishnan Nair, Assoc. Professor
- 2 Dr. N. Kunjukutty, Assoc. Professor
- 3 Dr. E. Mathai, Asst. Professor
- 4 Dr. K. C. Abraham, Asst. Professor

### **POULTRY PROJECT**

- 1 Dr. C. K. Venugopalan, Senior Scientist
- 2 Dr. Maggie D. Menachery, Asst. Professor
- 3 Dr. C. S. James, Asst. Professor
- 4 Dr. C. V. Andrews, Junior Instructor
- 5 Dr. O. J. George, Junior Instructor
- 6 Dr. Amrithavally Panan, Junior Instructor

### **LIVESTOCK FARM, MANNUTHY**

- 1 Dr. M. S. Nair, Asst. Professor in-Charge

### **PIG BREEDING FARM, MANNUTHY**

- 1 Dr. P. Ramachandran, Farm Superintendent

## **INSTRUCTIONAL FARM & RICE RESEARCH STATION, MANNUTHY**

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- 2 Sri. V. K. Sasidhar, Assoc Professor
- 3 Smt. G. Santhakumari, Instructor
- 4 Sri. K. Pushkaran, Instructor
- 5 Sri. G. K. Balachandran Nair, Instructor
- 6 Sri. Raju V. K , Junior Instructor

## **RICE RESEARCH STATION, PATTAMBI**

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- 2 Sri T. F. Kuriakose, Assoc. Professor
- 3 Sri. K. I. James, Assoc Professor
- 4 Sri. V. Thomas Alexander, Assoc. Professor
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- 6 Sri. K. P. Padmanabhan Nair, Dy. Director
- 7 Sri. P. Narayana Pisharody, Assoc. Professor
- 8 Sri. R. Raveendran Nair, Asst. Professor
- 9 Sri. M. R. Sivanandan Pillai, Asst. Professor
- 10 Sri. P. A. Varkey, Asst. Professor
- 11 Sri Seshadirinath, Asst. Professor
- 12 Sri B. Thomas, Asst. Professor
- 13 Sri V. P. Sukumaradev Asst. Professor
- 14 Sri T. V. Viswanathan, Asst. Professor
- 15 Sri S. N. Shanmugham, Asst. Professor
- 16 Sri K. Mukundan, Asst. Professor
- 17 Sri C. Ramachandran, Instructor
- 18 Sri Madhusudan Nair, Jr. Instructor
- 19 Sri D. Sita Rama Rao, Jr. Instructor
- 20 Sri M. S. Rajeevan, Jr. Instructor
- 21 Sri N. Saifudeen, Jr. Instructor
- 22 Sri K. Viswambaran, Jr. Instructor
- 23 Smt. Sosamma Jacob, Jr. Instructor
- 24 Sri K. I. Alex, Section Officer
- 25 Sri N. Soman, Section Officer

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- 2 Sri M. G. Vasavan, Asst. Professor
- 3 Sri P. B. Gopinathan, Asst. Professor

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- 2 Sri K. Bhaskaran Nambiar, Research Officer
- 3 Sri G. Indrasenan, Asst. Professor
- 4 Sri K. Sivan Pillai Asst. Professor

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- 3 Sri Sasikumaran Nair, Asst. Professor
- 4 Sri K. C. Chandy, Asst. Professor

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- 2 Sri Neelakandan Potty, Assoc. Professor
- 3 Sri E. Thajuddin, Assoc. Professor
- 4 Sri T. C. Radhakrishnan, Asst. Professor
- 5 Sri P. K. Narayanan Nambiar, Asst. Professor
- 6 Sri P. K. Ramachandran Nambiar, Asst. Professor

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- 2 Sri D. Joseph, Asst. Professor
- 3 Sri K. Chandrasekharan Nair, Asst. Professor
- 4 Smt. N. Kamalam, Asst. Professor

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- 2 Sri P. C. Jose, Assoc. Professor

- 3 Sri M. N. C. Nair, Assoc. Professor
- 4 Sri K. K. Raveendran Nair, Assoc. Professor
- 5 Sri I. P. Sreedharan Nambiar, Asst. Professor
- 6 Sri N. Krishnan Nair, Asst. Professor

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- 1 Sri P. K. Vijayan, Assoc. Professor

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- 1 Sri K. K. Vidhyadharan, Assoc. Professor
- 2 Sri C. S. Gopi, Junior Instructor

#### **RICE RESEARCH STATION, KAYAMKULAM**

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- 2 Smt S. Santhakumari, Asst. Professor
- 3 Sri N. K. Sasidharan, Jr. Instructor

#### **RICE RESEARCH STATION, MONCOMPU**

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- 2 Sri K. Sivasankara Pillai, Assoc. Professor
- 3 Sri K. M. Rajan, Assoc. Professor
- 4 Dr. K. V. Mammen, Assoc. Professor
- 5 Smt K. Leela, Assoc. Professor
- 6 Sri S. Sukanaran Nair, Asst. Professor
- 7 Sri K. Balakrishna Pillai, Asst. Professor
- 8 Sri P. Varadarajan, Asst. Professor
- 9 Sri P. J. Ittyaverah, Asst. Professor
- 10 Smt. P. S. Krishnakumari Amma, Jr. Statistician

#### **AGRONOMIC RESEARCH STATION, CHALAKUDY**

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- 2 Sri U. P. Bhaskaran, Assoc. Professor
- 3 Sri T. P. George, Asst. Professor
- 4 Smt. P. Padmaja, Asst. Professor
- 5 Sri N. K. Ramachandran, Jr. Instructor
- 6 Sri M. A. Hassan, Jr. Instructor

#### **CATTLE BREEDING FARM, THUMBURMUZHI**

- 1 Dr. K. Parameswaran Nair, Assoc. Professor

## **UNIVERSITY LIVESTOCK FARM, THIRUVAZHAMKUNNU**

- 1 Dr. P. A. Devassia, Assoc. Professor
- 2 Dr. P. G. Baby, Jr. Instructor

## **SUGARCANE IMPROVEMENT PROJECT, THIRUVALLA**

- 1 Sri P. K. Chellappan Nair, Assoc. Professor
- 2 Sri V. Ramachandran Nair, Assoc. Professor

## **COCONUT RESEARCH STATION, KUMARAKOM**

- 1 Sri P. K. Sathiarajan, Assoc. Professor
- 2 Sri G. Mathai, Asst. Professor
- 3 Sri K. Sankara Panicker, Instructor
- 4 Sri M. M. Jose, Jr. Instructor

## **RICE RESEARCH STATION, VYTTILA**

- 1 Sri P. J. Tomy, Assoc. Professor
- 2 Sri T. U. George, Assoc. Professor
- 3 Sri P. Manikantan Thampi, Assoc. Professor
- 4 Sri G. G. Rajendran, Jr. Instructor
- 5 Sri P. S. Mrithunjayan, Jr. Instructor

## **INSTITUTE OF AGRIL. TECHNOLOGY, TAVANUR**

- 1 Sri P. K. Gangadhara Menon, Assoc. Professor
- 2 Sri M. K. Mamen Asst. Professor
- 3 Dr. Pythal, Asst. Professor
- 4 Sri Alexander David, Asst. Professor
- 5 Sri C. P. Mohammed, Asst. Engineer
- 6 Dr. George Mathen, Asst. Professor
- 7 Sri K. John Thomas, Instructor
- 8 Sri A. M. Chandrasekharan Nair, Instructor

## **VETERINARY HOSPITAL, KOKKALAI.**

- 1 Dr. K. Ramadas, Superintendent

## **DIRECTORATE OF PHYSICAL PLANT, VELLANIKKARA**

- 1 Sri. A. T. Devassy, Director of Physical Plant
- 2 Sri. P. O. Thomas, P. A. to D. P. P.

- 3 Sri. S. J. Mathew, Asst. Engineer
- 4 Sri. P. Karunakara Menon, Asst. Engineer
- 5 Sri N. R. Chandran, Asst. Engineer (Mech.)
- 6 Sri. S. Anandakrishna Iyer, Asst. Engineer, Vellayani
- 7 Sri. C. S. Menon Architect
- 8 Sri. L. S. A. Eswaran, Financial Assistant
- 9 Sri. B. Shankar Naik, Financial Assistant
- 10 Sri. N. Padmanabhan Nair, Section Officer
- 11 Sri. T. N. Sankunny, Section Officer
- 12 Sri. Lourden Leord, Section Officer

#### **COCONUT RESEARCH STATION, BALARAMAPURAM**

- 1 Dr. K. M. Sukumaran, Assoc. Professor
- 2 Smt. Susamma Philip, Asst. Professor
- 3 Smt. Kunjamma P. Mathew, Asst. Professor
- 4 Smt. K. S. Remamony, Asst. Professor
- 5 Sri. B. Rajagopalan, Asst. Professor

#### **MODEL AGRONOMIC RESEARCH STATION, KARAMANA**

- 1 Sri. V. Ramachandran Nair, Assoc. Professor
- 2 Smt. Annamma George, Jr. Instructor

#### **INFECTIOUS ABORTION SCHEME, MANNUTHY**

- 1 Dr. P. C. James, Jr. Research Officer

#### **AGRIL. BY-PRODUCTS SCHEME, MANNUTHY**

- 1 Dr. C. R. Anantha Subramaniam, Research Officer  
Dr. C. S. James, Asst. Research Officer

## **campuses**

The Kerala Agricultural University has three campuses. The main campus is located at Vellanikkara, Trichur, the second at the College of Veterinary and Animal Sciences, Mannuthy and the third at the College of Agriculture, Vellayani, Trivandrum.

### **Constituent Colleges and Institutes**

#### **1 College of Vety. & Animal Sciences, Mannuthy, Trichur**

The College campus consists of College (80 acres), Livestock Farm (140.40 acres) and Poultry and Pig Farms (5 acres), making a total area of 225.40 acres.

The academic programme of the College consists of the Degree of Bachelor of Veterinary Science (B. V. Sc. & A. H) Master of Veterinary Science (M. V. Sc.) and Doctor of Philosophy (Ph. D.)

The following are the Post Graduate courses offered:

<b>M. V. Sc.</b>	<b>Ph. D.</b>
1 Nutrition	1 Nutrition
2 Animal Reproduction	2 Parasitology
3 Parasitology	3 Physiology
4 Pathology	4 Pathology
5 Physiology	
6 Pharmacology	

- 7 Dairy Science
- 8 Anatomy
- 9 Veterinary Microbiology
- 10 Surgery
- 11 Poultry Science
- 12 Medicine (Preventive Medicine)
- 13 Therapeutics (Clinical Medicine)
- 14 Veterinary Public Health
- 15 Extensin
- 16 Animal Breeding & Genetics
- 17 Animal Management

The Trimester system of education was introduced from the Academic year 1972-73 for B. V. Sc. & A. H. and from 1973-74 for M. V. Sc. and Ph. D Courses.

The Campus provides residential accommodation for most of the faculty members and administrative staff.

## **2 College of Agriculture, Vellayani, Trivandrum.**

The College was started in the Senior Maharani's Palace at Vellayani, twelve kilometers away from Trivandrum city in 1955. The College estate is surrounded on three sides by the Vellayani lake. The road leading to the college is a deviation from the Trivandrum-Kovalam road at Pachalloor. Several buildings to accommodate the Lecture Halls, Laboratories and Hostels for students have been put up in the campus since 1955. The College estate has an area of 170 hectares, of which 67 hectares are Kayal land under single crop paddy, and 60 hectares under garden land.

There is also a Dairy and Poultry Unit attached to the Animal Husbandry Division.

The College is essentially a residential institution, providing accommodation for about 325 students. There are three hostels, (i) a hostel for under-graduate students (ii) a hostel for women students and (iii) a post-graduate hostel to accommodate the post graduate students of the College and the officer-trainees of the Agriculture Department. The Dean is the Ex-officio Warden of the Hostels.



The College offers instruction leading to the degrees of Bachelor of Science in Agriculture, B. Sc. (Ag) Master of Science in Agriculture M. Sc. (Ag) and Doctor of Philosophy (Ph. D)

The following are the Post-Graduate courses offered :

M Sc. (Ag)	Ph D.
1 Agronomy	1 Agronomy
2 Agrl. Botany	2 Agrl. Botany
3 Agrl. Chemistry	3 Agrl. Chemistry
4 Agrl. Entomology	4 Agrl. Entomology
5 Plant Pathology and	5 Plant Pathology
6 Agrl. Extension.	

The Trimester system of education was introduced from the Academic year 1972-73.

### 3 College of Horticulture, Vellanikkara.

The College of Horticulture was established by the University with Main Campus of the University on 28-10-1972, during the academic year 1972-73. The College offers courses leading to the award of B. Sc. (Hort), B. Sc. (Ag), M. Sc.(Ag.) and M. Sc. (Hort) under the Trimester system of Education The first Batch of B. Sc. (Hort) Degree holders of the University have come out successfully during October 1976.

The College of Horticulture is having adequate facilities for the practical Training of the Agriculture & Horticulture students and further research work Suitable accommodation facilities are also available to the undergraduate and Post-graduate students of the College,

At present the College is run by the Faculty of Agriculture.

### 4 Institute of Agricultural Technology

The Rural Institute of Tavanur was started in the year 1963 under a scheme sponsored by the Government of India It was established by a registered society under the Travancore Cochin Literary, Scientific and Charitable Act XXI of 1860.

The Rural institute was taken over by the Kerala Agricultural University on 12-12-1975. The two-year Certificate course in Agricultural Sciences already started by the former Management has been converted into a Diploma course under Trimester system by the Kerala Agricultural University and the intake capacity is fixed as 50. The Livestock Assistant training formerly held in the Veterinary College Campus has also been arranged at the Institute of Agricultural Technology, Tavanur. Further a three months course in the Operation of Agricultural implements and Tractors was introduced by the University which has been subsequently converted into a one year Certificate course.

The Institute of Agricultural Technology, Tavanur comprising an area of 98.5 acres of which nearly 65 acres are under cultivation of important crops, an Agricultural Farm, an Animal Husbandry Farm, a well-developed Engineering Laboratory and all Physical facilities such as buildings, hostels, staff quarters, play grounds, libraries, auditorium, Veterinary hospital, etc. is now run as a constituent College of Kerala Agricultural University.

## RESEARCH STATIONS AND FARMS

### Rice Research Station, Pattambi

Location	: 48 K. M. North of Trichur, 1 K. M. east of Pattambi Railway Station.
Year of establishment	: 1927.
Area (Hectares)	: 63.62
Rainfall (cm)	: 281.65
Elevation (metres)	: 25
Soil type	: Laterite/loam
Crop on which research is carried out	: Rice and pulses.

### Object

This is the main research station for rice research in the State. It is actively engaged in intensive research with multi disciplinary approach on production and protection technology in rice cultivation. Besides rice research, the station is also engaged in pulses research. It has also got a small orchard where elite plant materials of various fruit plants and seeds of vegetables are produced for distribution among farmers,

The following ICAR research Projects are in operation at the Station.

- 1 All India Co-ordinated Rice Improvement Project.
- 2 All India Co-ordinated Agronomic Research Project.
- 3 All India Co-ordinated Pulses Improvement Project.
- 4 Research on brown plant hopper-grassy stunt virus complex (aided by Ford Foundation).

The State Seed Testing Laboratory is located at this station. The Station produces annually nucleus and foundation seeds of rice to the tune of 200 tonnes.

### **Research Station and Instructional Farm, Mannuthy**

Location	:	Mannuthy
Year of establishment	:	1957
Area (hectares)	:	5.70
Rainfall (cm)	:	326.00
Elevation (metres)	:	20
Soil type	:	Laterite soil
Crop on which research is carried out	:	Rice

### **Object**

To study the various problems confronting rice cultivation in the Central tracts of middle lateritic regions comprising areas of Trichur and Ernakulam districts with emphasis on evolving high yielding strains resistant to pests and diseases. This Station is also a centre for the All India Co-ordinated Rice Improvement Project.

### **Rice Research Station, Moncompu**

Location	:	Moncompu-Thekkekkara P. O. The Station is situated in the northern side of Alleppey-Changanachery Road 12 K. M. either way from Changanassery and Alleppey.
Year of establishment	:	1940
Area (hectares)	:	8.67

Rainfall (cm)	: 186.00
Soil type	: Alluvial clay
Crop in which research is carried out	: Rice

### Object

This research station has been upgraded into a major research station for rice for solving the various problems faced by the rice farmers of Kuttanad. Research has been mainly oriented to the evolution of high yielding varieties with resistance/tolerance to pests and diseases and to adverse soil conditions. The following ICAR schemes are functioning at this station.

- 1 Research on brown plant hopper-grassy stunt virus in rice
- 2 Operational research project on Integrated pest control in rice; and
- 3 Special disease and pests research sub centre under AICRIP

### Rice Research Sub Station. Kayamkulam

Location	: 1.6 K. M. east of Kayamkulam Town in the northern side of Kayamkulam Punalur Road.
Year of establishment	: 1958
Area (hectares)	: 11.65
Rainfall (cm)	: 281.5
Elevation (metre)	: 3.05
Soil type	: Coastal sandy loam
Crop in which research is carried out.	: Rice and sesamum

### Object

The main objective of the station is to undertake research, to find out a suitable technology for rice cultivation in the Onattukara region including varietal improvement. In Onattukara region, the second crop of rice is followed by sesamum. Therefore this station is also engaged in research on sesamum.

## Model Agronomic Research Station, Karamana

Location	:	Situated at Nedumangad-about 3 K. M. south east of Trivandrum Central Railway Station.
Year of establishment	:	1955
Area (hectare)	:	7.29
Rainfall (cm)	:	175
Elevation (metre)	:	29
Soil type	:	Lateritic loam
Crops on which research is carried out.	:	Rice

### Object

The main objective of the station is to conduct manurial, cultural and rotational experiments in rice. The Model Agronomic Research Centre of the Indian Council of Agricultural Research is located at this station.

## Rice Research Sub Station, Vyttila

Location	:	The Station is situated in Cochin Corporation area and is about 5 K. M. away from Ernakulam Junction.
Year of establishment	:	1959
Area (hectars)	:	8.70
Rainfall (cm)	:	225
Elevation (metres)	:	Sea level
Soil type	:	Saline-acid soil
Crop on which research is carried out.	:	Rice (Pokkali cultivation)

### Object

This sub station was established to evolve varieties and agronomic practices suitable for cultivation in the coastal saline marshes locally known as 'Pokkali' or 'Kaippadu' land.

The All India Co-ordinated Project on Brackish water Fish culture is also functioning at this research station.

## **Agronomic Research Station, Chalakudy**

Location	:	The station is situated along the Sholayar Road and about half kilometre east of Chalakudi Town.
Year of establishment	:	1972
Area (hectare)	:	8.95
Rainfall (cm)	:	325
Soil type	:	Sandy loam
Crop on which research is carried out.	:	Rice

### **Object**

- a) to develop cropping patterns suitable for varying water management and fertility situations in command area;
- b) to test the new crops and varieties for their adaptability and performance under different moisture constraints;
- c) To estimate the water requirements of rice and various forms of water logges.
- d) To evolve suitable practices to increase water use efficiency in field crops.

This station is the centre for the Integrated Project for research on Water Management and soil salinity,

## **Coconut Research Station, Nileswar**

Location	:	Nileswar
Year of establishment	:	1916
Area: Coconut Research Station, Nileswar I	:	27.65 hectares
	Nileswar II	: 17.20 "
Rainfall (cm) Nileswar I	:	357.90
	Nileswar II	: 350.00
Elevation (metres) Nileswar I	:	15
	Nileswar II	: 8
Soil type : Nileswar I	:	Laterite
	Nileswar II	: Red sandy loam.

Crops on which  
research is carried out : Coconut

### Object

- 1 Collection of germplasm and to study the crop behavior and adaptability of different varieties both indigenous and exotic for their economic characters.
- 2 To produce hybrid palms using different parental combinations and to test their bearing behaviour.
- 3 To conduct research on cultural, manurial and other agronomic practices of coconut cultivation for formulating best package of practices.

### Coconut Research Sub Station, Balaramapuram

Location : Balaramapuram  
Year of establishment : 1963  
Area (hectare) : 14.13  
Rainfall (cm) : 150.0  
Elevation (metres) : 90  
Soil type : Deep red loam  
Crops in which research  
is carried out : Coconut

### Object

To conduct varietal, manurial, cultural and other agronomical trials to find out suitable cultivation practices for coconut in red loamy soils.

### Coconut Research Sub Station, Kumarakom

Location : Kumarakom  
Year of establishment : 1947  
Area (Hectare) : 23.26  
Rainfall (cm) : 279.4  
Elevation : Sea level  
Soil type : Alluvial clay  
Crops in which research : Coconut  
is carried out

RICE





GINGER



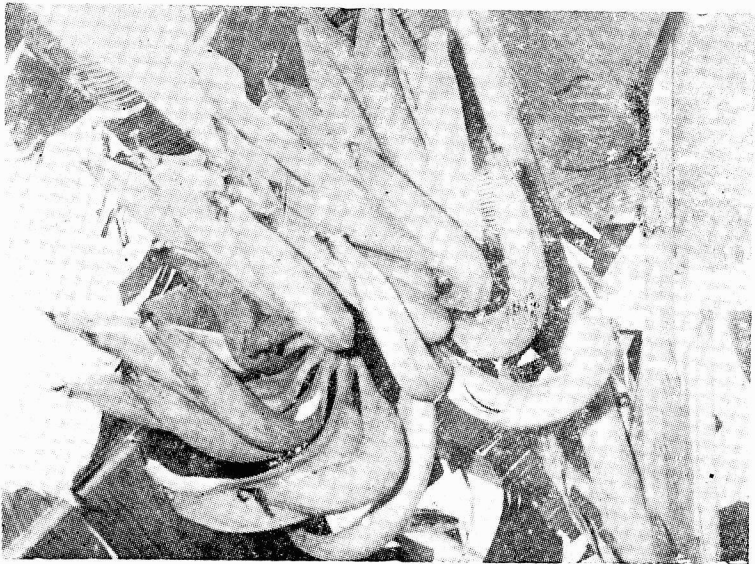
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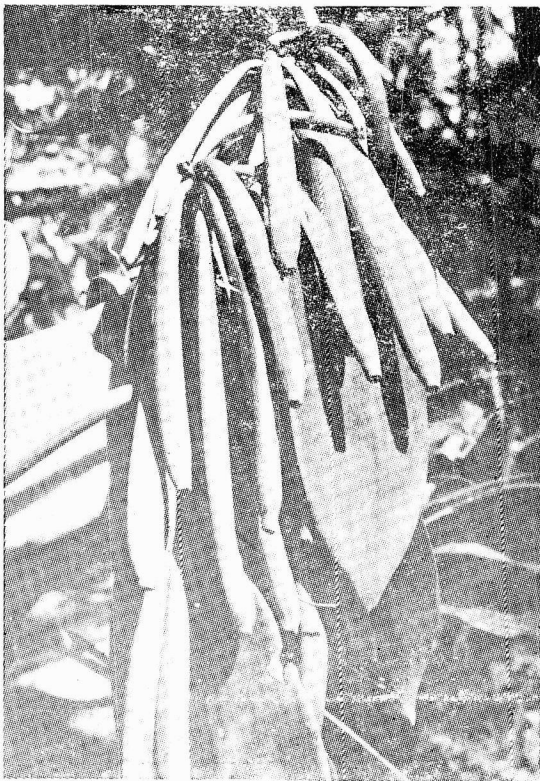
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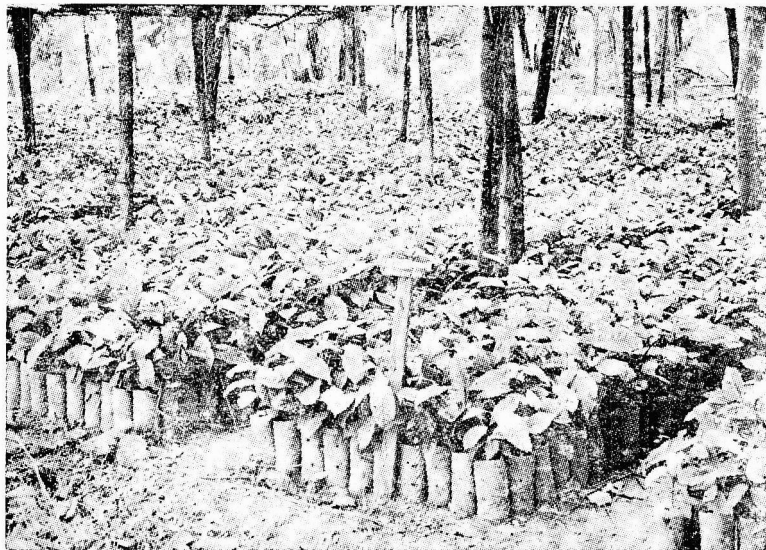


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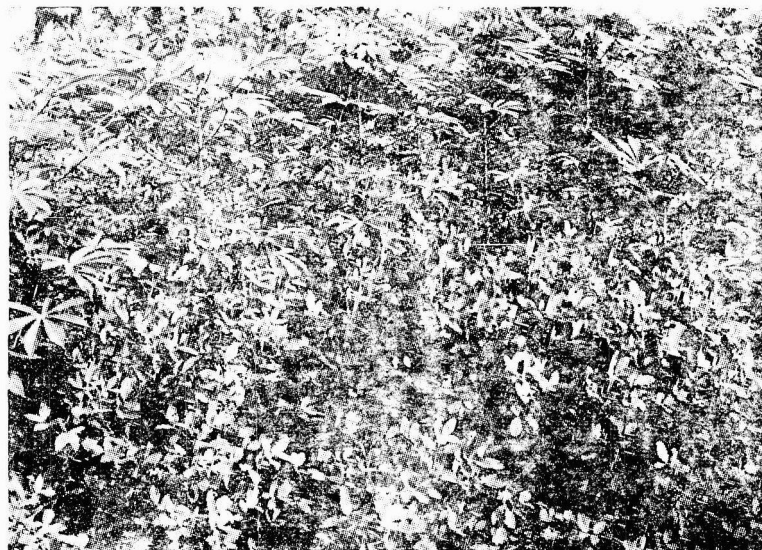
COCOA



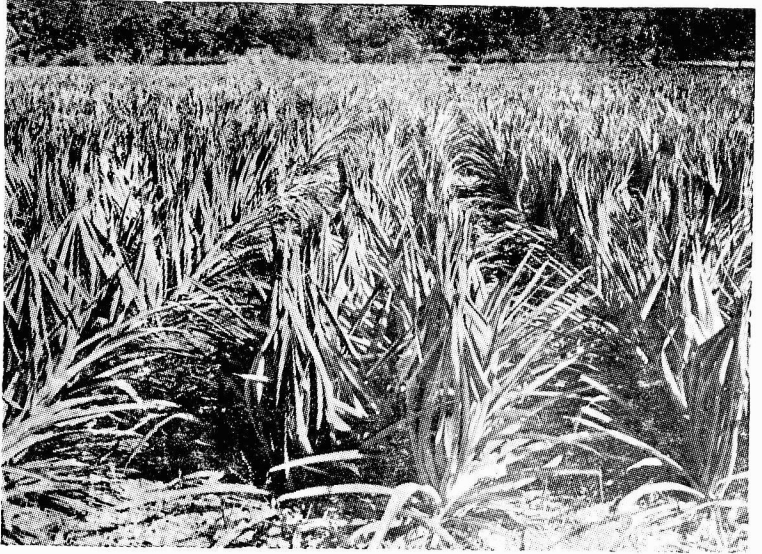
## COFFEE NURSERY



## GROUNDNUT & TAPIOCA



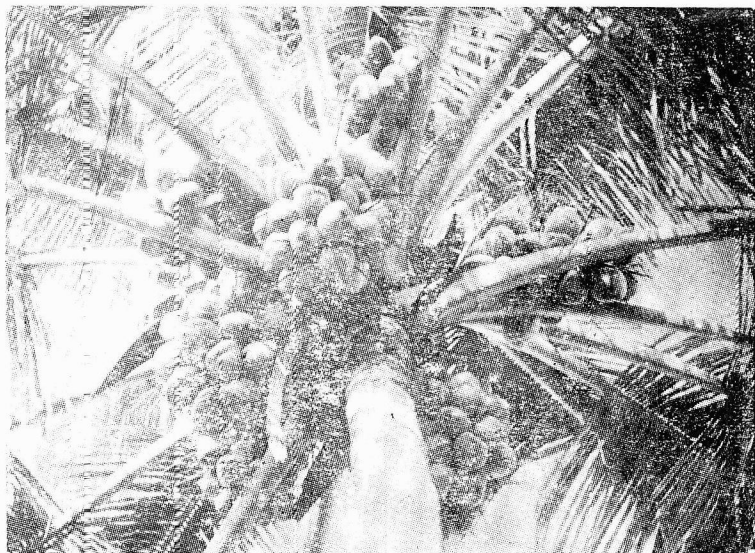
PINE APPLE



SUGARCANE



COCONUT



## Object

To conduct varietal cultural, manurial and plant protection trials on coconut crops under the agro-climatic conditions prevailing in the back water area of Kuttanad tract with special reference to root wilt disease.

### Horticultural Research Station, Ambalavayal

Location	: The station is situated at Ambalavayal in South Wynad Taluk, Kozhikode District
Year of establishment	: 1946
Area (hectare)	: 87.04
Rainfall (cm)	: 240.00
Elevation (metres)	: 974 00
Soil type	: Loam rich in humus
Crops on which research is carried out	: Orange, lime, lemon, banana, pine apple, rice, eucalyptus, ginger, vegetables and vanilla.

## Object

- To carry out research on various aspects of improvement of agriculture in Wynad.
- To make available quality seeds and plants and of selected varieties of various crops for distribution.
- To render scientific advice to cultivators on improved methods of agriculture with particular reference to horticultural crops and rice.

This Station is a centre for the All India Co-ordinated Fruit Improvement Project (Citrus dieback)

### Pepper Research Station, Taliparamba

Location	: The Station is situated in Panniyur Village, Taliparamba Taluk, Cannanore Dt. It is located about 8 kms. north of Taliparamba Town enroute Taliparamba to Alakode.
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Year of establishment : 1952  
 Area (Hectares) : 12.97  
 Rainfall (cm) : 303.00  
 Elevation (Metre) : 90.00  
 Soil type : Gravelly loam with high humus  
 Crops on which research  
 is carried out : Pepper

### Object

This station has its object to evolve high yielding and high quality varieties of pepper and to find out effective and economic control measures for the pest and diseases. It is one of the co-ordinating Centres for research on Pepper under the All India Co-ordinated Spices and Cashew Improvement Project.

### Cashew Research Station, Anakkayam,

Location	The Station is located at Anakkayam in the Malappuram Manjeri road 9 k. m. from Malappuram.
Year of establishment	: 1963
Area (Hectares)	: 10.10
Rainfall (cm)	: 332.4
Elevation (Metre)	: 105.00
Soil type	: Red laterite
Crops on which research:	Cashew is carried out.

### Object

Main objective of the station is to conduct studies on improved cashew cultivation with special reference to breeding, manurial and propagational methods.

### Banana Research Station, Kannara

Location	: Kannara
Year of Establishment	: 1962

Area (Hectare)	: 17.25
Rainfall (cm)	: 326.6
Elevation (ms)	: 90
Soil type	: Laterite loam and alluvial soil
Crops on which research is carried out	: Banana & Pineapple

### Object

- 1 Collection and evaluation of different varieties of banana and pineapple.
- 2 Varietal improvement.
- 3 Standardising cultivation practices like cultural, manurial, plant protection, application of growth regulators, irrigation, weed control etc.

This Station is one of the coordinating centres for All India Fruit Improvement Project of the ICAR.

### Lemongrass Research Station, Odakkali.

Location	: Located in Assamanoor Village of Kunnethunadu Taluk of Ernakulam District.
Year of establishment	: 1951
Area (Hectares)	: 12.74
Rainfall (cm)	: 266 00
Elevation (Metres)	: 66.00
Soil type	: Laterite
Crops on which research is carried out.	: Lemongrass, Vettiver and other Essential oil yielding crops.

### Object

The objective of the Station is to conduct research on botanical, agronomical and biochemical aspects of essential oil yielding plants with special reference to lemongrass.

### Cardamom Research Station, Pampadumpara

Location	: Pampadumpara
Year of establishment	: 1956

Area (Hectares) : 46.44  
 Soil Type : Forest soil  
 Crops on which research is carried out : Spices and Cardamom.

### Object

The main objective is to undertake research on agronomical, botanical, entomological and plant pathological problems on Cardamom cultivation. This station is one of the coordinating centres for research on Cardamom under the All India Coordinated Spices and Cashewnut Improvement Project of the Indian Council of Agricultural Research.

### Sugarcane Research Station, Tiruvalla

Location : Nedumpuram Village  
 Year of establishment : 1975  
 Area (Hectares) : 10.26 ha.  
 Soil type : Alluvial clayey loam  
 Crop on which research work is carried out : Sugarcane.

### Object

To undertake research on sugarcane, to find out suitable technology for sugarcane cultivation in the central Travancore Region of the State. This is a centre under the All India Coordinated Research Project on Sugarcane.

### University Livestock Farm, Mannuthy

Location : Mannuthy  
 Year of establishment : 1961  
 Area (Hectares) : 56.00  
 Rainfall (cms) : 326.00  
 Elevation (ms) : 20  
 Soil type : Laterite

### Object

- 1 To provide facilities for research work both at post graduate and undergraduate level.

- 2 To undertake problem oriented research project on livestock farming applicable to Kerala condition.
- 3 To serve the needs of the farmers for their requirements of meat, draught and milch animals.
- 4 To provide learning facilities to students.

### **Poultry Farm, Mannuthy**

Location	: Mannuthy
Year of establishment	: 1952
Area (Hectares)	: 0.50
Rainfall (cm)	: 326.00
Elevation (ms)	: 20
Soil type	: Laterite

### **Object**

- 1 The main objective of the station is to carry out scientific breeding to keep up the quality of chicks
- 2 Experiments to evolve good quality economic rations for the chicken making use of some of the unconventional food items.
- 3 To conduct research on important managerial aspects with the objective of suggesting the package of practices for the poultry farmers of the State.
- 4 To provide practical training to both undergraduate and post graduate students of the Veterinary College.

### **Pig Breeding Farm, Mannuthy**

Location	: Mannuthy
Year of establishment	: 1965
Area (hectares)	: 5,00
Rainfall (cms)	: 326.00
Elevation (ms)	
soil type	: Laterite

### **Object**

- 1 One of the objectives is to maintain pure line of seed stock of Landrace and White Yorkshire pigs.

- 2 Cross breeding of strains for augmenting the quality of meat,
- 3 To provide practical training facilities to undergraduate and post-graduate students to the College of Veterinary and Animal Sciences.

#### **Livestock Farm, Thiruvazhamkunnu**

Location	: Thiruvazhamkunnu.
Year of establishment	: 1949
Area (Hectares)	: 162.00
Rainfall (cm)	: 326.00
Elevation (metres)	: 20
Soil type	: Laterite

#### **Object**

Research work on scientific breeding of livestock and its proper management.

#### **Cattle Breeding Farm, Thumburmuzhi**

Location	: Thumburmuzhi
Year of establishment	: 1953
Area (Hectares)	: 25.00
Soil type	: Lateritic loam

#### **Object**

The farm functions as a Cattle Breeding station and supplies milch animals to the University Livestock Farm, Mannuthy.

# **teaching programmes**

## **UNDERGRADUATE PROGRAMME**

The following are the courses in under Graduate studies offered at the different colleges of the Kerala Agricultural University.

- a) Bachelor of Science in Agriculture - B.Sc (Ag) - at the College of Agriculture Vellayani - Trivandrum.
- b) Bachelor of Science in Horticulture - B.Sc (Hort.) at the College of Horticulture, Mannuthy, Trichur.
- c) Bachelor of Veterinary Science - B. V. Sc. & A. H. at the College of Veterinary and Animal Sciences Mannuthy Trichur.

All the above three courses will be of 4 years (12 trimesters) duration. But B.V.Sc. & A.H. programme is liable to be converted into a 5 year programme 15 trimesters from 1978-79 onwards. The trimester system of instruction and evaluation will be followed in all the courses.

### **Eligibility for Admission**

Candidates for admission should have passed the Pre-degree Examination of the University of Kerala/Calicut with Physics, Chemistry and Biology as optional subjects or an Examination recognised by this University as equivalent there to.

Candidates who have passed the one year Pre-University or one year Higher Secondary or an equivalent examination recognised by this University, after eleven or twelve years of institutional study should have undergone one year of instruction at the Pre-Degree level and passed the Pre-Degree Examination in the concerned group of optional subjects viz. Physics, Chemistry and Biology, before admission to any of the courses.

Candidates who have passed a public examination conducted on an All India basis and recognised by this University as equivalent to the Pre-University Examination and taken after a total of eleven years of institutional study viz.

- a) Indian School Certificate
- b) General Certificate of Education (Advanced level)

c) Highest School Certificate (with subjects at Principals standard) Examination of Cambridge University.

d) General Certificate of Education (Advanced level either under scheme A or B) Examination of London University etc. must have undergone one year of study in college at the Pre-degree level and passed the Pre-degree examination in the concerned group of optional subjects, viz. Physics, Chemistry and Biology before admission to the B.Sc (Hort.)/B. V. Sc. & A. H. Course.

### **Foreign Students**

The following procedure has been prescribed for the admission of foreign self-supporting students.

i) The normal procedure for seeking admission is that the foreign students should apply in the prescribed form available with the Indian Missions abroad and the application is to be forwarded to the Government of India by the Embassy/Mission concerned. The Ministry of Education will then arrange for admission.

ii) Foreign students who have arrived in India on tourist visas will not be admitted unless they have taken the previous approval of the Government of India for their visas being converted to 'student visas'. But their applications will be provisionally considered and their eligibility decided. An "Eligibility Certificate" indicating the last date by which they must

join the course will be issued to the eligible candidates and they will be advised to approach the Ministry of Home Affairs, through the Foreigner's Registration Officer of the State Government where the foreign students is temporarily residing at the time of application. With such application for conversion of their visa they should attach the eligibility certificate in original.

iii) No application for admission from students holding Chinese Nationality (from Mainland or Formosa) will be entertained without a clearance from the Govt. of India. Ministry of Education.

iv) Before actually joining the course, the foreign student also will be required to fill in relevant particulars in the application form obtainable from the Kerala Agricultural University.

### Selection of Candidate

A selection committee appointed by the Kerala Agricultural University will make the selection of candidates.

Candidates seeking admission under the reservation quota of village level workers, LSA, Two year certificate holders, Repatriates, Sportsman, Foreign students and Nominees of U/T will be considered as separate groups and their eligibility decided on the relative merit of applicants in each such group.

All the valid applications other than those mentioned under II (b) supra will be ranked in a general merit list prepared on the basis of a total aggregate of 665 (six hundred and sixty five) marks arrived at as follows:

Calculation	Maximum marks
i) The maximum marks of pre-degree examination in the subject of English (which is 300) is reduced to the max. of 150	150
ii) Pre-degree marks in Physics	150
iii) do Chemistry	150
iv) do Biology	150
v) Weightage for sports:-Candidates	



represented	State Team	— 20	} 20
do	University Team	— 18	
do	District Team	— 15	
do	College Team	— 10	
vi)	Weightage for social service		
	Secretary	— 5	} 5
	Treasurer	— 3	
	Ordinary Member	— 2	
vii)	Weightage for National Service Scheme		
	Office bearer	— 5	} 5
	Attended camp/camps/Sp. camps	— 3	
	Ordinary member	— 2	
viii)	Weightage for graduates (B. Sc.)		20
ix)	Weightage for ex-servicemen/ widows & children of ex-service men and jawans		15
<b>Total Aggregate Marks</b>			<u>665</u>

*Note*: No additional marks are given for performance in N.C.C. But between the candidates with equal marks in the merit list and belonging to the same category of reservation, preference will be given to candidates who had better performance recorded in the N. C. C.

The seats available under general quota subject to rule 10 (a), are distributed as follows:-

Open Merit-pool	... 50%
Area-wise reservation (T.C & Malabar area)	... 15%

in the ratio of 8 : 5

**SEB Communities reservation**

i) Ezhavas	9%	} ... 25%
ii) Muslims	8%	
iii) Latin Catholics other than Anglo-Indians	2%	
iv) Other Backward Christians		
a) SIUC. and		
b) converts from Sch. castes and Scch. tribes to christianity	1%	
v) Other Backward Hindus	5%	

Sch. castes and Sch. Tribes	Sch. Castes Such. Tribes	8% 2% } ...	10%
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c) The selection committee approves a "Select List" consisting of candidates selected for admission to the total number of seats available. In addition, they also approve simultaneously a "Waiting List" consisting of an equal number of candidates in the select list for filling up vacancies, if any, arising in the "Select List".

### Interview

a) The "Select List" of candidates will be announced by the Kerala Agricultural University and the candidates will be intimated about the place, date and time of the interview. Those who do not appear for interview on the date and time fixed will automatically lose their seats and the seats allotted to them will be filled up by suitable candidates from among the waiting list.

b) To fill up the vacant seats, if any, candidates in the "Waiting List" will be interviewed on a day to be specified. Their selection for admission, however, is subject to the number of seats available in the reserved or open-merit quota, as the case may be.

c) The candidates should furnish at the time of interview the originals of certificates and other relevant documents.

d) The candidates advised for interview from select list will have to produce a Physical Fitness Certificate obtained from a Government Doctor not below the rank of an Asst. Surgeon, in the specimen form supplied by the University. The candidates advised for interview from the waiting list will have to produce the Physical Fitness Certificate obtained from a Government Doctor, not below the rank of an Asst Surgeon, within three days from the date of admission, in case they get a change for admission. The admission of such candidates will be provisional and at the risk of the students concerned, till such admissions are made absolute with the production of the Physical Fitness Certificate.

## Admission

Candidates who are given "Admission Slip" after the interview should pay the prescribed tuition and other fees in full to the University office/College on the same day, other-wise they will lose their chances for admission. Fees once paid will not be refunded under any circumstances. Adjustment of fees between the colleges of Agriculture Veterinary and Animal Sciences or Horticulture is Permissible.

## Residential Facilities

All students should reside in the hostel unless exempted by the Dean on the ground that they are staying with their parents or guardians

## Fees

The Fees payable for each course are as follows:

Particulars of fees	Payable at the time of admission.	Payable during 2nd trimester	Payable during 3rd trimester.
<i>College</i>	Rs,	Rs.	Rs.
a) Admission fees	10.00	...	...
b) Tuition fees	70 00	70.00	70.00
c) Athletic fee	15 00	...	...
d) College Association fee	10.00	...	...
e) College Magazine	7.00	...	...
f) Medical inspection fee	3.00	...	...
g) Library fee	10.00	...	...
h) Stationery fee	10.00	...	...
i) College calendar & Syllabus	4.00	...	...
j) University Union	5.00	...	...
k) College caution deposit	25.00	...	...
Total	169 00	70.00	70.00

## HOSTEL

i) Hostel admission fee	10.00	...	...
ii) Hostel caution deposit (for students residing in hostel only)	50.00	...	...
Total	60.00	...	...

## **Exemption from payment of fees**

Scheduled caste and Scheduled tribe candidates who seek exemption from payment of fees will have to furnish at the time of interview, application in the prescribed fee concession form. The candidate should arrange to obtain the forms in advance from the District Welfare Officer or from the Director of Harijan Welfare, Trivandrum to avoid difficulties in this regard. Otherwise they will have to pay the fees at the time of admission. However, they will have to pay various caution deposits.

No exemption from payment of fees will be granted to candidates who are likely to be eligible for any other type of fee concessions. But the fees paid by them will be reimbursed if and when the concessions are sanctioned.

## **Admission of candidates qualified from other Universities.**

Candidates from other Universities are admitted at their own risk with regard to approval of their qualifications by the Kerala Agricultural University.

## **Penalty for furnishing false information**

Any candidate who is found to have knowingly given any particulars which are false or have suppressed material information will be disqualified for admission and, if admitted, will be dismissed by the University.

## **POST GRADUATE PROGRAMME**

### **Courses offered:**

#### **i) At the College of Agriculture, Vellayani, Trivandrum**

##### **(a) Ph. D.**

- 1 Agronomy
- 2 Agricultural Botany
- 3 Agricultural Chemistry
- 4 Agricultural Entomology
- 5 Plant Pathology

##### **(b) M. Sc. (Ag.)**

- 1 Agronomy
- 2 Agricultural Botany

- 3 Agricultural Chemistry
- 4 Agricultural Entomology
- 5 Plant Pathology
- 6 Agricultural Extension

**(c) M. Sc. (Hort) in Horticulture:**

**ii) At the College of Veterinary & Animal Sciences, Mannuthy**

**(a) Ph. D.**

- 1 Parasitology
- 2 Nutrition
- 3 Physiology
- 4 Pathology

**(b) M. V. Sc.**

- 1 Parasitology
- 2 Nutrition
- 3 Physiology
- 4 Pathology
- 5 Pharmacology
- 6 Animal Reproduction
- 7 Anatomy
- 8 Veterinary Microbiology
- 9 Surgery
- 10 Dairy Science
- 11 Poultry Science
- 12 Medicine (Preventive Medicine)
- 13 Therapeutics (Clinical Medicine)
- 14 Veterinary Public Health
- 15 Extension
- 16 Animal Breeding & Genetics
- 17 Animal Management

**iii) At the College of Horticulture, Vellanikkara**

**(a) M. Sc. (Hort) in Horticulture**

**(b) M. Sc. (Agri.) in**

- Agricultural Botany
- Agricultural Chemistry

Agricultural Entomology  
Plant Pathology

**Residential Requirements**

A minimum of six trimesters (two academic years) is prescribed for the completion of the degree programme.

**Eligibility for admission:**

**a) Master's Degree Programme**

A basic degree with an aggregate of at least 50% marks (or an O. G. P. A. of 2.50 out of 4), in the concerned Faculty of the Kerala Agricultural University or a qualification recognised by the said University as equivalent there to. (In the case of candidates belonging to Scheduled Castes and Scheduled Tribes a basic degree in the Faculty concerned is the minimum requirement for admission to M. V. Sc./M. Sc. (Ag.)/M. Sc. (Hort.) course.

**(b) Ph. D.**

A Master's degree in the subject from the concerned Faculty of Kerala Agricultural University or a qualification recognised by the said University as equivalent there to.

c) Candidates from other Universities are admitted provisionally at their own risk of cancellation of their admissions, in case their qualifications are not recognised as equivalent to the qualifications prescribed for admission

**Foreign students**

The following procedure has been prescribed for the admission of foreign self-supporting students,

(i) The normal procedure for seeking admission is that the foreign student should apply in the prescribed form available with the Indian Missions abroad and the application is to be forwarded to the Government of India by the Embassy/Mission concerned. The Ministry of Education then arranges for admission.

(ii) Foreign students who have arrived in India on tourist visas will not be admitted unless they have taken the previous

approval of the Government of India to their visas being converted to student visas. But their applications will be provisionally considered and their eligibility decided. An "Eligibility Certificate" with indication of last date by which they must join the course will be issued to the eligible candidates. They will be advised to approach the 'Ministry of Home Affairs through the Foreigners, Registration Officer or the State Government where the foreign student is temporarily residing at the time of application. With such application for conversion of their visa they should attach the eligibility certificate in original.

(iii) No application for admission from students holding Chinese Nationality (from Mainland or Formosa) will be entertained without a clearance from the Government of India, Ministry of Education.

(iv) Before actually joining the course, the foreign students also will be required to fill in relevant particulars in the application form obtainable from the Kerala Agricultural University Office.

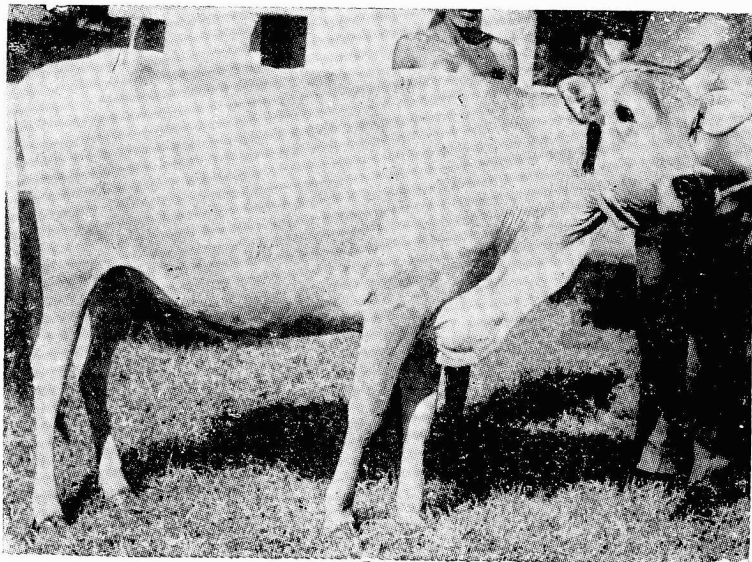
### **Selection**

(i) The selection of candidates will be made based on an overall assessment of the merits of the candidates by a Selection Committee constituted for the purpose, subject to rules regarding reservation, if any.

The Selection Committee shall consist of the Dean of Postgraduate Studies (Chairman), Dean of the concerned Faculty, Director of Research, Director of Extension and the Head(s) of the postgraduate department(s) concerned.

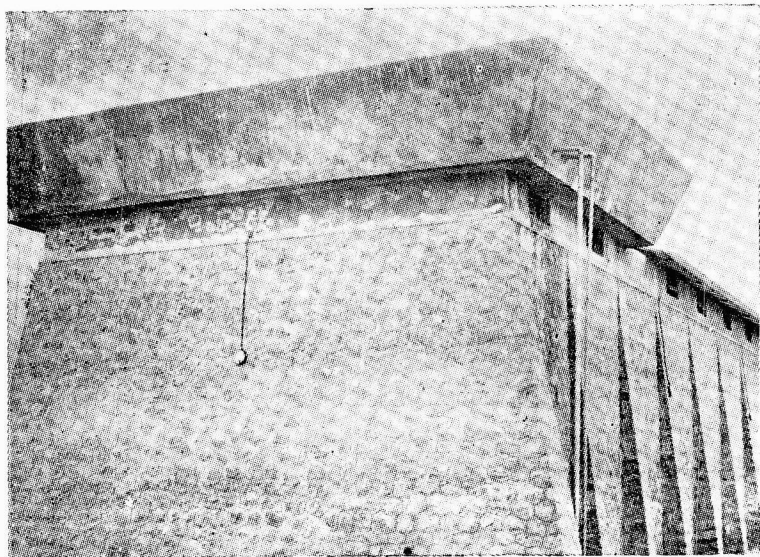
(ii) As ordered in G. O. Ms 285/72/HD dated 6-10-72 ten percent of seats in each subject will be reserved for SC/ST, taking into consideration the admission in consecutive years in succession and subject to the condition that a minimum of one seat in any particular subject during any particular year will go to a SC/ST candidate if there is an application from them, fractions of half or more than half in the actual working out of the percentage being rounded off to one.

**JERSEY CROSS**





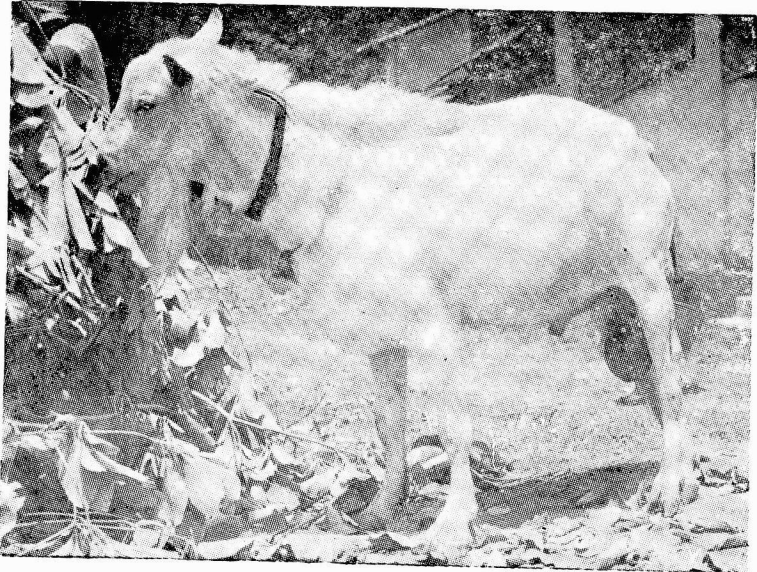
SILO



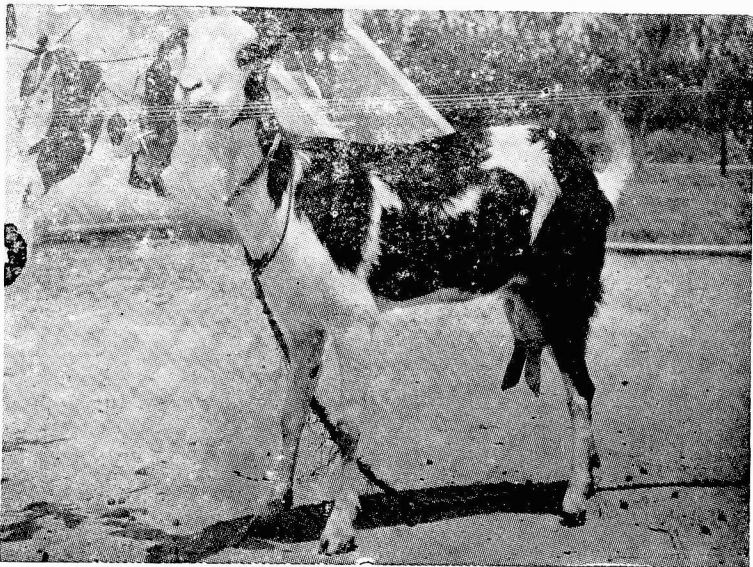
FODDER

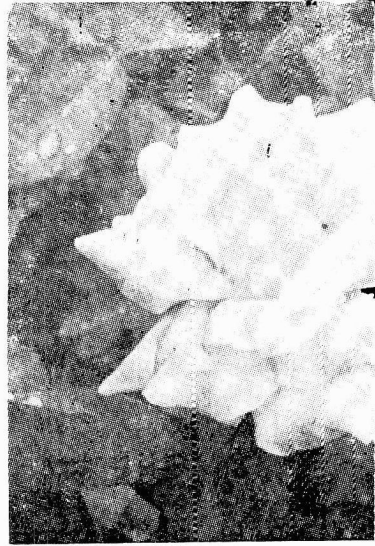


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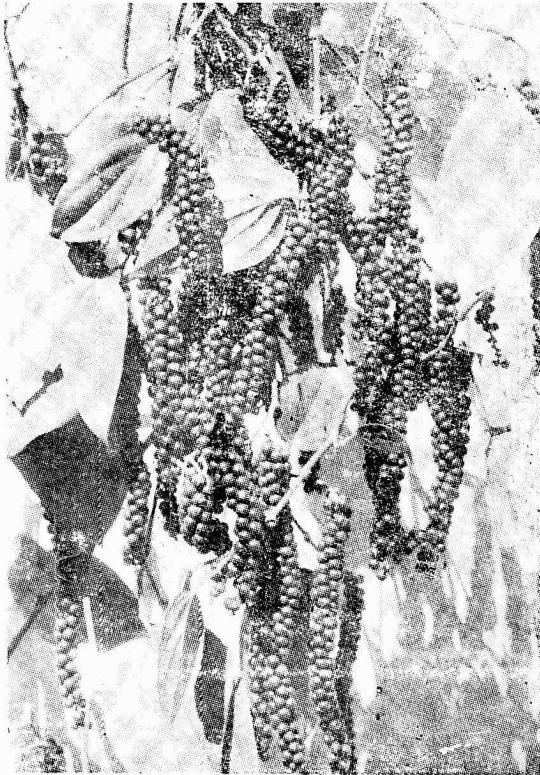


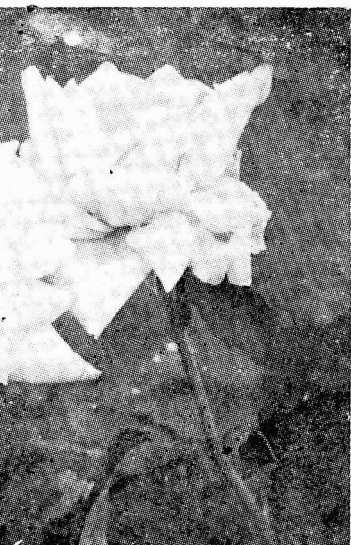
MALABARI



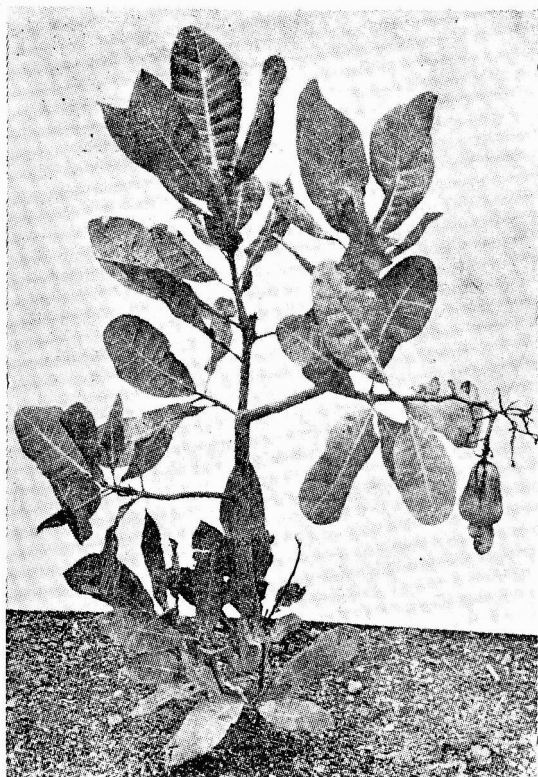


PEPPER

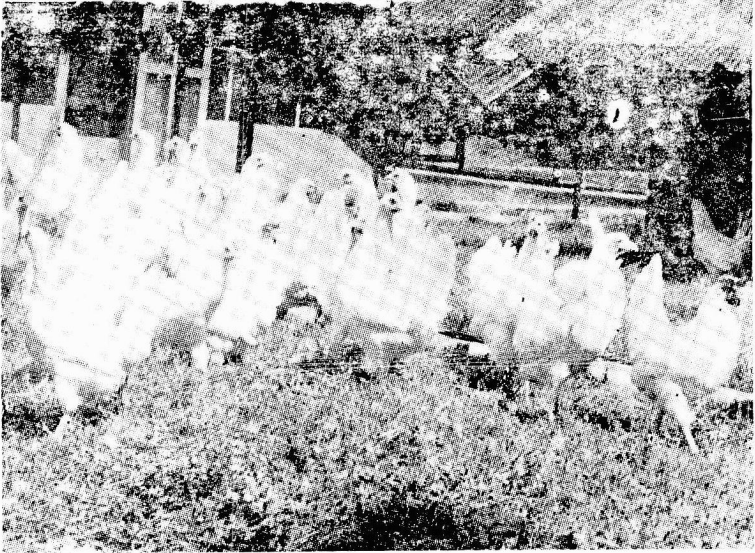




CASHEW



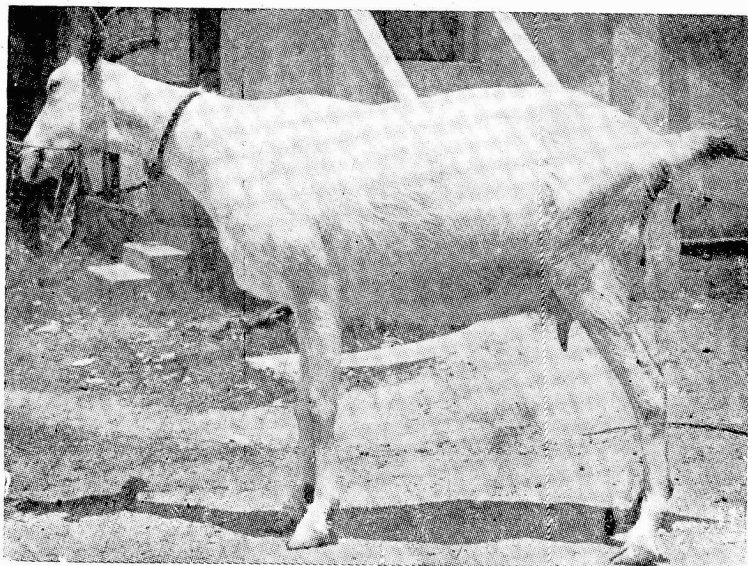
WHITE ROCK



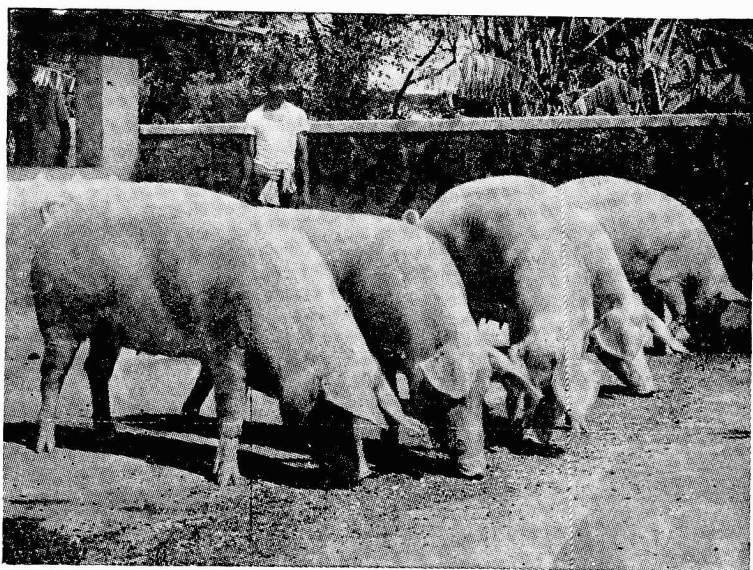
KAKHI CAMPBELL



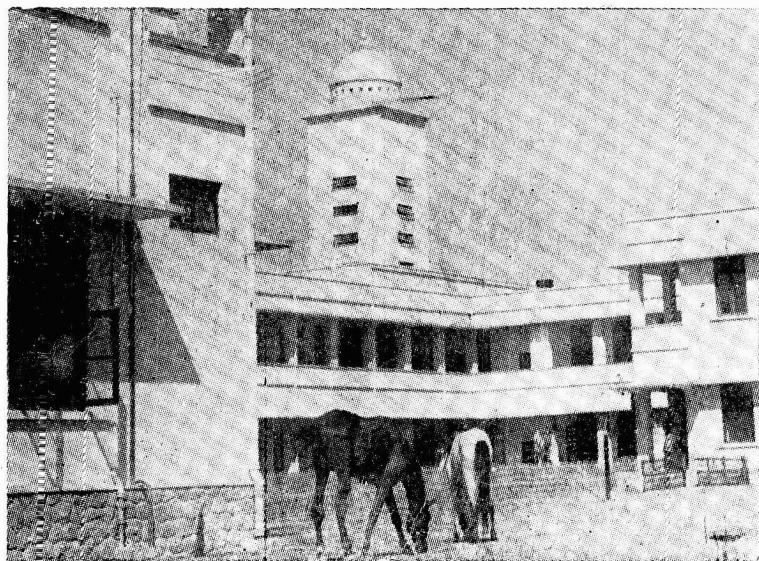
SANNEN x MALABARI



YORKSHIRE



PONIES AT GRASS



(iii) In the case of holders of 'Science Talent Research Scholarship'/ICAR Fellowship seeking admission to postgraduate courses, a weightage will be given at the discretion of the Selection Committee but no special preference will be shown to them purely on the reason that they are scholarship/fellowship holders, vide letter No 7393/EA 1/73/KAU dated 21-7-73.

### **Interview**

(a) Candidates will be required to attend (at their own expense) the interview for selection at a place and time to be notified.

(b) The originals of all certificates and other documents should be produced at the time of interview.

### **Announcement of results:**

A list of candidates selected for admission and the dates on which they have to remit the fees and join the course will be duly announced after the interview.

### **Admission:**

(a) Candidates selected for admission will be admitted to the course provided they pay the prescribed fees in full on the due dates fixed

(b) In the case of those candidates selected for admission who have not paid the fees in time and joined the course on the dates fixed, their claims for admission are likely to be forfeited without notice.

(c) Candidates in Government service/University service are expected to make their own arrangements to get relief from their posts.

### **Fees:**

The fees for the Post-graduate Courses shall be as listed



below:-

Description of fees	Payable at the time of admission		Payable during 2nd Trimester		Payable during 3rd Trimester.	
	M.Sc. (Ag.)/ M.V.Sc.	Ph D.	M.Sc. (Ag.)/ M.V.Sc.	Ph.D.	M.Sc. (Ag.)/ Ph.D	M.V.Sc.
1. Admission fee	10	10				
2. College Caution deposit.	100	100				
<b>3 Tuition and other</b>						
<b>Special fees.</b>						
a. Tuition fee	90	150	90	150	90	150
b. Library	10	10				
c. Medical Inspection	3	3				
d. Stationery	10	10				
e. Syllabus & Calender	4	4				
f. Atheltic fee	15	15				
g. Association fee	10	10				
h. Magazine fee	7	7				
i. University Union Fee	5	5				
<b>TOTAL</b>	<b>264</b>	<b>324</b>	<b>90</b>	<b>150</b>	<b>90</b>	<b>150</b>

*Note:-* 1. Admission fee of Rs. 10/- and College Caution deposit of Rs. 100/- will be collected at the time of admission fully.

2. Admission fee of Rs. 10/- and half the rates of fees payable by the regular students will be levied from the part-time postgraduate student. They will however be exempted from payment of the College caution deposits.

#### Migration certificates:

Candidates from other Universities should produce migration certificates within one month after their admission.

## DEGREES AWARDED

- a) Faculty of Agriculture :
  - i) Master of Science in Agriculture (M. Sc. (Ag.))
  - ii) Doctor of Philosophy (Ph. D.)
- b) Faculty of Veterinary & Animal Sciences :
  - i) Master of Veterinary Science (M. V. Sc.)
  - ii) Doctor of Philosophy (Ph. D.)

Note :- As and when new Faculties are established Master's and Doctorate Degrees may be awarded in those faculties.

## ELIGIBILITY FOR ADMISSION

Eligibility for admission to :

### a) Masters degree course :

A basic degree with an aggregate of at least 55 percent marks or an overall Grade Point Average (OGPA) of 3 out of 4 in the concerned Faculty of the Kerala Agricultural University or a qualification recognised by the said University as equivalent thereto. In the case of candidates belonging to scheduled castes and Scheduled Tribes the aggregate minimum marks required shall, however, be 50% marks or an OGPA of 2.5 out of 4.

"Graduates in Veterinary Science (BVSc.) will also be eligible for admission to M. Sc. (Ag.) course in Agricultural Extension in the Faculty of Agriculture".

For Kerala Agricultural University employees, a basic degree in concerned Faculty shall be the minimum requirement for admission to Master's degree course. (As amended in the Academic Committee Meeting dated 3-11-1973).

### b) Ph. D. Degree course :

A Master's Degree in the subject from the concerned Faculty of Kerala Agricultural University or a qualification recognised by the said University as equivalent thereto.

## **MODE OF SELECTION :**

a) The selection of candidates will be made based on an over-all assessment of the merits of the candidates by a Selection Committee.

b) The Selection Committee shall consist of the Dean of Post-Graduate studies as Chairman and the concerned Dean, Director of Research, Director of Extension Education and the Heads of the Post-Graduate Departments of the concerned Faculty offering courses in the major field as members.

**Disciplines in which post-graduate course in the major fields are offered**

Post-graduate courses in major fields shall be offered in disciplines as approved by the Academic Council/Committee.

### **System of teaching:**

The trimester system of teaching shall be followed. The exact dates of commencement and termination of the trimesters as well as the duration of each trimester and trimester breaks shall be as notified by the University.

### **Registration of candidates:**

a) A candidate admitted to the post-graduate course should report to the Head of the concerned teaching department and register for courses on the date fixed for the purpose. He will be assigned to an Adviser in the major field of specialisation who will help the student in selecting courses for registration.

b) At the commencement of subsequent trimesters also, the student will have to register on the specified date

c) If a student, on valid grounds fails to register on the specified date, the concerned Dean may permit him to do so within a period not beyond 5 working days from the date of commencement of the trimester, after which no registration will be permitted during the trimester.

*Note:-* 1) The Kerala Agricultural University employees may be permitted to register as part-time candidates for any post

graduate course in the University, subject to the provisions in the Regulations (As amended in Academic Committee Meeting dated 3 11 1973).

2) A part-time candidate may register as a full-time taking the full credit load of 15 to 17 credits, during any trimester he is on leave/deputation.

### **Advisory Committee**

a) For every candidate admitted to post-graduate course there shall be an Advisory Committee proposed by the Adviser recommended by the concerned Head of the Department and the concerned Dean and approved by the Dean of Post-graduate Studies.

b) The Advisory Committee of a student for Master's degree shall consist of a Chairman who shall be his adviser from the major and minor fields. In the case of a Ph. D. student, there shall be an additional member from the minor field.

c) The student shall prepare the entire programme of his work (Appendix I) in conference with the Advisory Committee and the same shall be forwarded by the Chairman of the Advisory Committee to the concerned Dean for approval before the end of the second trimester.

### **Residential requirements and time limit.**

a) A minimum of six trimesters is prescribed for the completion of the requirement for any post-graduate programme, of which at least three trimesters shall be spent in Kerala Agricultural University. The maximum time limit shall be twelve trimesters for the Master's course and fifteen trimesters for the Ph. D. Course.

In the case of candidates registered as part-time students, the maximum time limit shall be 15 and 18 trimesters for Master's and Ph. D. Courses respectively.

b) Transfer of credits from other recognised Universities shall be allowed but such credits shall not count for calculating OGPA.

## Discontinuance and re-admission

A student may be permitted by the Dean of Post-graduate studies, on the recommendation of the Advisory Committee, to discontinue his post-graduate programme temporarily and rejoin the course at the beginning of any subsequent trimester on payment of a re-admission fee of Rs. 10 subject to the maximum time limit prescribed for his residential requirements. On no account will a student who discontinued his studies without the approval of the Dean of Post-graduate Studies be readmitted.

## Withdrawal from a course:

On the recommendation of the Advisory Committee, the concerned Dean may permit a candidate to withdraw from a course during a trimester not later than a period of six weeks from the commencement of that trimester. In such cases, the symbol 'W' will be marked against the course in the grade report for the trimester but not in the final grade report. Such candidate(s) may be permitted to register for a substitute course (s) only in respect of course(s) withdrawn within a period of 15 days from the date of commencement of the trimester

## Credit requirements:

The minimum credit requirements for the post-graduate programme shall be as follows:

a) For Master's degree:-

1 Course work

i) Major field of study: 35 credits

ii) Minor field (s) of study  
having a bearing on the  
major field 15 credits

II Research work: 40 credits (equivalent)

Total 90 credits

b) For Doctorate degree (Beyond the Master's degree)

1 Course work

Major field of study &

Minor field (s) of study

	having a bearing on the major field	30 credits	
II	Research work	<u>60 credits</u>	(equivalent)
	Total	<u>90 credits.</u>	

Note:- Credits earned for undergraduate courses taken, if any during the post-graduate course shall not count towards the minimum credit requirements prescribed for the postgraduate programme or for calculating OGPA.

### Credit-load in a trimester

The normal credit load including the credits for research work assigned to a post-graduate student for a trimester is fifteen and shall not exceed seventeen credits.

Part-time students will be permitted to take a maximum load of 6 credits only per trimester. This credit load will be in course work research/course work and research.

### Research requirements

1) The programme of research work showing the title or the problem along with a synopsis incorporating the plan of study, objective, practical application and financial implications shall be prepared by the student and submitted through the Chairman of the advisory Committee and the Head of the Department to the concerned Dean not later than the last day of the first trimester.

ii) Requirements for the Master's degree and Ph. D. degree programmes will include successful completion of work on a research project in the major subject of study and submission of a thesis thereon.

iii) The subject proposed for thesis by a candidate for the degree of Doctor of Philosophy shall be approved by the Academic Council/Committee as stipulated in section 3 (vii) of Statutes No. 1/311/Ag. P5/72/AD dated, 19th October, 1972.

### Evaluation of course work

a) Periodical tests/quizzes (announced or unannounced), monthly/mid-trimester/final trimester examinations including

practical and viva-voce and library/laboratory assignments, take-home examinations and term papers are the methods to be employed for evaluating the progress of students in a post-graduate course. The teacher handling a course shall have the freedom to adopt any one or more of the above methods of evaluation, provided he follows a uniform pattern of assessment for arriving at the final grades for all the students in that course.

b) The letter grades and grade points based on marks shall be as follows :

A (Excellent)	— 4 points	— 90% and above
B (Good)	— 3 ..	— 80% - 89%
C (Pass)	— 2 ..	— 70% - 79%
F (Fail)	— 0 ..	— Less than 70%
S (Satisfactory)		
I (Incomplete)		
W (Withdrawn)		

c) The Grade Point Average (GPA) shall be arrived at as follows :-

The grade points obtained by a student in a course when multiplied by the credits assigned for that course gives the credit points in respect of that course. To arrive at the G P A for a trimester, the sum of the credit points secured by a student in all the relevant courses taken by him in that trimester is divided by the total of the credits assigned for the respective courses.

The Overall Grade Point Average (O G P A) at the end of each trimester is G P A arrived at in respect of all the relevant courses taken and grade obtained by the student during all the completed trimesters.

d) In order to maintain a good standard scholastically, a student is required, at the end of each trimester, to maintain an OGPA of 2.5 in the case of Master's programme and 3.0 in the case of Doctorate programme.

**O. G. P. A. requirement for continuing studies beyond the first three trimesters :**

Any student who consecutively fails to secure a minimum OGPA as prescribed in Rule 16 (d) during the first three trimesters after his admission to the post-graduate course shall not be permitted to continue his course of studies and his name shall be removed from the rolls of the University.

**Qualifying examination before submission of thesis for Ph. D. Degree.**

a) A candidate undergoing Ph. D. degree course, after the completion of a minimum of 20 credits of course work and atleast 3 trimesters prior to the termination of the post-graduate programme, shall be required to appear for an examination comprising of a written paper each in the Major and Minor fields of study and a viva voce examination.

b) The qualifying examination in respect of each student will be conducted by a Board of Examiners constituted by the following members : All members of Advisory Committee of the student for conducting written and viva voce examination and one External Examiner (from outside K. A. U.) for conducting viva voce examination only.

The Chairman of the Advisory Committee shall function as the Chairman of the Board of Examiners.

The External Examiner to be appointed shall be designated by the Dean of post-graduate Studies from among a panel of 3 names furnished by the Chairman of the Advisory Committee.

c) A candidate who fails in the qualifying examination may be permitted to appear for the examination for a second time at the end of the succeeding trimester.

d) A candidate who fails in the qualifying examination in his second attempt will not be allowed to continue for the post-graduate programme and his name shall be removed from the rolls of the University.

**Language requirement for Ph. D.**

21 The candidates for Ph. D. course should possess a satisfactory reading knowledge of a foreign language other



than English, as approved by his/her Advisory Committee. This requirement shall be completed before the qualifying examination.

### **Submission of Thesis**

a) A post graduate student will be permitted to submit his/her thesis only after the satisfactory completion of the course requirements.

b) Four copies of the thesis, type-written and bound and conforming to the general instructions regarding its mode of presentation shall be submitted by the student through the Chairman of the Advisory Committee and Head of the Department to the Dean. The prescribed certificate (Appendix-II) from the Chairman of the Advisory Committee should be recorded on the front page of the thesis.

### **Final Viva voce Examination**

a) The final Viva voce Examination will be conducted normally within two months after the submission of thesis by the candidate.

b) The Board of Examiners for conducting the Final Viva voce Examination shall consist of the members of the Advisory Committee and the External Examiner(s) who evaluated the thesis excluding the member from outside India if any, who may be represented by a substitute from India. The External Examiners to be appointed shall be designated by the Dean of post-graduate studies from among a panel of six names suggested by the Chairman of the Advisory Committee. The Chairman of the advisory Committee shall act as the Chairman of the Board of Examiners.

### **Eligibility for the award of the degree**

Based on the reports of the Adjudicators who evaluated the thesis and on the performance at the Final Viva voce Examination, the Board of Examiners shall declare whether the thesis is approved or not. Only on the approval of the thesis, the candidate becomes eligible for the degree. The thesis will be rejected if two of the adjudicators do not approve of the same

## Publication of the contents of Thesis

The contents of the thesis shall not be published without the prior sanction of the Kerala Agricultural University.

## DIPLOMA COURSE IN AGRICULTURAL SCIENCES

Programme offered: Diploma course in Agricultural Sciences at the Institute of Agricultural Technology, Tavanur.

### Eligibility for Admission

The minimum requirement for admission to the Diploma course will be a pass in S. S. L. C., Matriculation or other equivalent examinations, with eligibility for College admission.

### Selection of Candidates.

Selection of candidates for admission to the said course shall be made as per rule in force by a committee appointed by the Vice-Chancellor.

### Duration of the Course

(i) Duration of the course shall be 7 trimesters. Each trimester will be of 14 weeks duration, having not less than 70 working days. A summer trimester of a shorter duration may be held, if found necessary.

### Credit load for a Trimester

A student may carry a credit-load not more than 21 during any particular trimester.

Credit requirements - The credit requirements are fixed as follows :

Subjects	Credit hours
1) Core - courses	102
2) Work experience	10
3) Field training	18
Total	<u>130</u>

### Work experience and Field Training

Students who have completed the courses prescribed for the first year will have to cultivate different crops in the area allotted during the second year along with the normal course work for gaining work experience. Successful completion of

the work allotted to each student shall be considered as pre-requisite for the award of certificate. Field training will be conducted in research stations and farms for a duration of one trimester.

### **Attendance**

Candidates who have absented without written sanction and who are not able to secure the prescribed minimum of 80% attendance in any one or more courses shall be marked as 'Failed' (F) for the course or courses concerned.

### **Evaluation of Students**

(i) The performance of a student shall be evaluated for each course by the concerned course teacher.

The evaluation of the student is done by assigning course grades which shall be measured by the quality of his performance in the various tests and examinations and other types of exercises like records, term papers, etc. The teacher who is in charge of a course shall grade a student based on the total marks obtained by the student in respect of that course, Practical Tests will be conducted wherever found necessary.

Vice-Chancellor shall approve the final results and transcripts after completion of certificate programme and the Registrar shall issue provisional pass certificate, transcripts, etc. to the candidates.

The transcript of a candidate shall contain all the courses undergone and grades obtained by the candidate for his/her certificate programme including failures, withdrawals, repetitions, etc. if any.

### **Award of certificate**

The certificate shall be awarded under the seal of the University signed by the Officer authorised on its behalf, to candidates who have successfully completed the requirements of the programme.

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## fees

Statement of revised rates of various fees of the Kerala Agricultural University effective from 12-7-1976.

### I Examination fees

- |  |              |
|--|--------------|
| i) Certificate Examination in Russian/<br>German       | : Rs. 25.00  |
| ii) Masters Degree final examination                   | : Rs. 300.00 |
| iii) Qualifying examination for Doctorate<br>Programme | : Rs. 250.00 |
| iv) Final examination for Doctorate<br>Programme       | : Rs. 400.00 |

### II Issue of Degree

- |                       |             |
|-----------------------|-------------|
| i) Bachelors Degree   | : Rs. 30.00 |
| ii) Masters Degree    | : Rs. 50.00 |
| iii) Doctorate Degree | : Rs. 75.00 |

### III Issue of other certificates

- |   |             |
|---|-------------|
| i) For diplomas, titles and certificates  | : Rs. 25.00 |
| ii) Additional fee for considering appli-<br>cations for issue of Degrees, Diplomas,<br>titles and certificates received by<br>Registrar after one year or more but<br>before the expiry of 5 years after the<br>examination. | : Rs. 10.00 |

iii)	Additional fee for considering applications for issue of Degrees, Diplomas, titles and certificates received by Registrar after 5 years or more after the examination.	: Rs. 30.00
iv)	for obtaining a duplicate Diploma Certificate.	: Rs. 25.00
v)	for obtaining Provisional Degree Certificate	: Rs. 15.00
vi)	for obtaining Migration certificate	: Rs. 15.00
vii)	for obtaining a rank certificate	: Rs. 10.00
viii)	For issue of Certificate or true copies of documents with the University Seal and Registrar's signature for transmission to foreign Universities on behalf of candidates who are applicant for admission	: Rs. 25.00
ix)	For issue of certified extract from the Register of Records of the University	: Rs. 15.00
x)	For mark list per examination.	: Rs. 5.00
xi)	Transcript of Record of work	
	i) Under-graduate Course	: Rs. 20.00
	ii) Post-graduate/Doctorate	: Rs. 20.00
xii)	Registration as a registered graduate of the University	: Rs. 20.00
xiii)	Application for change of name	: Rs. 65.00

# **national service scheme**

The aim of the National Service Scheme is education through community service.

The overall objective of the National Service Scheme is Educational Service to the Community is the activity through which this objective is sought to be attained.

The more specific objectives of the National Service Scheme are to arouse the students social conscience and to provide him with the opportunity:

- i) to work with and among people
- ii) to develop an awareness and knowledge of social realities, to have a concern for the well-being of the community and to engage in creation and constructive social action.
- iii) to gain skills in the exercise of democratic leadership and
- iv) to give skills in programme development to enable him to get self employed.

At the University level there is an Advisory Committee constituted by the Kerala Agricultural University to advise the University for the purpose and smooth implementation of the National Service Scheme. The Committee consists of:-

Vice-Chancellor	Chairman
Dean (Agriculture)	Member
Dean (Veterinary & Animal Sciences)	Member
Dean (Hort.)	Member
Director of Extension Education (Programme Co-Ordinator)	Member-Convener

Teacher in-Charge of N. S. S. of the 3 constituent colleges (Programme officers)	Member
Student Secretaries of N. S. S. of the 3 constituent Colleges	Member
Junior Youth Officer, Trivandrum	Member
Registrar, Kerala Agricultural University	Member

At the college level, each college is having an Advisory Committee with the Dean as Chairman and the Teacher i/c., National Service Scheme as Member - Convener.

The Teachers i/c. of the National Service Scheme at the Constituent colleges, are:-

- |   |  |
|---|--|
| i) College of Agriculture<br>Vellayani.                     | Dr. Skariah Oomen,<br>Associate Professor,<br>College of Agriculture,<br>Vellayani.                      |
| ii) College of Veterinary &<br>Animal Sciences,<br>Mannuthy | Dr. K. Radhakrishnan<br>Professor of Anatomy<br>College of Veterinary &<br>Animal Sciences,<br>Mannuthy. |
| iii) College of Horticulture,<br>Mannuthy.                  | Dr. P. Balakrishna Pillai,<br>Asst. Professor.<br>College of Horticulture,<br>Mannuthy.                  |

The above teachers have undergone proper training in the organisation of National Service Scheme at the Social Institute, Kalamassery, during 1975.

The National Service Scheme activities taken up by constituent colleges may vary with particular reference to the technical knowledge and skill, the students acquire from the respective college but the main objective will be in view while programmes are chalked out.

The strength of students for 1977-78 sanctioned for the regular programme of the colleges are as given below:

1) College of Agriculture	150
2) College of Veterinary & Animal Sciences	100
3) College of Horticulture	50
	<u>300</u>

# **students' union**

## **Objects**

The objects of the Union shall be:

- i) To encourage the spirit of comradeship.
- ii) To serve as a forum for training in leadership.
- iii) To organise debates, seminars, work squad, touring parties and other important activities.
- iv) To promote opportunities for students to organise sports, arts, and other cultural and recreational activities.
- v) To bring out a College Magazine annually.
- vi) To encourage dramatic and artistic talents and to promote the idea of social service in practice.
- vii) To do such other activities for the common good of the members and for the Institution.

## **Executive Committee**

The Executive Committee of the College Union shall consist of

- i) President
- ii) Vice-President
- iii) General Secretary
- iv) Associate Secretary
- v) Arts Club Secretary
- vi) Student Editor
- vii) The Hon. Treasurer/Staff Adviser
- viii) The Staff Editor



- ix) One representative for each class and a representative of the post-graduate students.

**President:**— The President shall be elected directly by and from among the students of the College.

**Vice-President:**— The Vice-President shall be elected directly by and from among the students of the College.

**General Secretary:**— The General Secretary shall be elected directly by and from the students of the College.

**Associate Secretary:**— The Associate Secretary shall be elected from among the students other than the final year classes.

**Arts Club Secretary:** The Arts Club Secretary shall be elected directly by and from among the students of the College.

**Magazine Editor:** The student Editor of the College Magazine shall be elected directly by and from among the students of the College other than from the final year class.

**Honorary Treasurer and Associate Patron:**

The Treasurer shall be nominated by the Patron from among the members of the Academi Staff of the College.

**Staff Editor:** The staff editor shall be nominated by the Patron from among the members of Academic staff of the College.

**Class Representatives:** Class Representatives shall be elected from among the students of the respective classes.

The Office bearers of the College Union and various Associations shall be elected by secret ballot directly and from among the members of the Union within twenty working days after the re-opening of the College. The procedure and details regarding elections will be decided by the Patron.

**Patron:**

The Dean shall be the Ex-officio patron of the College Union. The patron shall be the ultimate authority in all matters concerned with the College Union. He may ordinarily act on the advice of the Union Executive.

The College Union shall not take part in any political activity.

## **agricultural universities in india**

Sl. No. (1)	State in which located (2)	Name of University (3)	Year Established (4)
1	Uttar Pradesh	G B. Pant Agrl. University, Pantnagar Nainital, Dist.	1960
2	Rajasthan	University of Udaipur, Rajasthan	1962
3	Punjab	Punjab Agrl. University, Ludhiana, Punjab	1962
4	Orissa	Orissa University of Agril. and Technology, Bhubaneswar Orissa	1963
5	Madhya Pradesh	Jawarlal Nehru Krishi Vidyapeeth, Jabalpur (MP)	1964
6	Andhra Pradesh	Andhra Pradesh Agrl. University, Hyderabad-4.	1964
7	Mysore	University of Agricultural Sciences, Hebbal, Bangalore-24	1965
8	West Bengal	Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani P. O. West Bengal	1967
9	Maharashtra	Mahatma Phule Krishi Vidya- peeth, Rahuri, Ahammod Nagar, Maharastra	1968

- |    |                       |   |      |
|----|-----------------------|---|------|
| 10 | -do-                  | Punjabrao Krishi Vidyapeeth,<br>Krishinagar, Akola,<br>Maharashtra                                      | 1969 |
| 11 | -do-                  | Konkan Krishi Vidyapeeth,<br>Dopoli, (Maharashtra State)  |      |
| 12 | -do-                  | Marathwada Krishi Vidyapeeth,<br>Parbhani (Maharashtra State)   | 1972 |
| 13 | Assam                 | Assam Agricultural University,<br>Johart, Assam   | 1969 |
| 14 | Tamil Nadu            | Tamil Nadu Agricultural<br>University, Coimbatore   | 1971 |
| 15 | Kerala                | Kerala Agricultural University<br>Mannuthy  | 1971 |
| 16 | Haryana               | Haryana Agricultural Uni-<br>versity, Hissar Haryana  | 1962 |
| 17 | Himachal Pra-<br>desh | Himachal Pradesh Unive-<br>rsity. Simla (Agrl. Complex),<br>Simla, H. P.                                |      |
| 18 | Bihar                 | Rajendra Nagar Agricultural<br>University, Patna, Bihar   |      |
| 19 | Gujarat               | Gujarat Agrl. University,<br>Near Dafnala, Shahi Bagh,<br>Govt. Bungalow No. 5,<br>Ahamedbad-4, Gujarat |      |
| 20 | Uttar Pradesh         | Chandra Sheker Azad<br>University. of Agriculture and<br>Technology. Kanpur, U. P.                      |      |
| 21 | U. P.                 | Narendradev University<br>of Agricultural Technology<br>Faizabad U. P.                                  |      |
| 22 | Delhi                 | Indian Agricultural<br>Research Institute<br>N. Delhi   | □ □  |

