

Yezin Agricultural University

PROSPECTUS



Yezin Agricultural University
Nay Pyi Taw
Myanmar

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YAU PROSPECTUS



With the 70 percent rural population, 60 percent of Myanmar workforce is in agriculture and contributing 30 percent of the GDP. The requirement of human capacity and technical expertise for this important national agriculture is fulfilled by State Agricultural Institutes (SAIs) and Yezin Agricultural University (YAU). Yezin Agricultural University (YAU) is the only one institute offering higher agricultural education in Myanmar. Annually, 300 freshmen who completed matriculation exam are given admission to YAU. The bridging program between SAIs and YAU also allows 75 outstanding SAI diploma holders to join third year class and proceed with YAU degree. Thus, 400 graduates are approximately produced by YAU every year. YAU practices semester credit system which allows the students to finish the courses once the credit hours are completed. Semester credit system allows the students choice of courses, opportunity to clear the backlog in subject(s) by repeating that particular subjects in the following semester or replacement with another subject that prevents students to repeat the whole school year, Student Centered Approach that encourages regular 2-3 self-study hours for every hour of course taken, among the many great benefits. In addition to the academic service, YAU also provides sport facilities for soccer, tennis, volleyball, basketball, badminton, caneball/footvolley, and chess etc. in nurturing the future good leaders of Myanmar.

Therefore, may I wish all the students to be happy in their learning environment and excellent in their pursuance of agricultural education.

Prof. Dr. Nang Hseng Hom
Rector
Yezin Agricultural University

VISION

To be a prime mover of agricultural and rural development in Myanmar through human resource development and national supplier of scientific knowledge and technological innovation

MISSION

To educate and train the national human resources to be professional agriculturists who will provide leadership to institutions in the agricultural sector and in addition, supply science and technology and contribute to national and regional growth and development of agriculture

HISTORICAL BACKGROUND

Inauguration in Mandalay

Diligent effort and strive was initiated for the establishment of Myanma Agricultural College more than a decade before the Burma Agricultural College and Research Institute was started in Mandalay city in 1924. Inaugurated on December 22, 1924 by Governor Sir Spencer Harcourt Butler, Burma Agricultural College and Research Institute was the magnificent predecessor of the present Yezin Agricultural University (YAU) that offered the three-year Agricultural Diploma program in its early days. The building was then the most splendid and impressive one in Southeast Asia.

Being under Yangon University

It was reorganized as a Constituent College of Yangon University on June 16, 1938 and the course was changed to four years (including 2 years intermediate classes) to offer B.Sc. (Agri.) degree. However, the course was suspended due to World War II in 1942 to 1947 for meanwhile the interim college was opened in 1945 in Mahlaing Township, Mandalay division.

Soon after the war in 1947, the college was reorganized as the Faculty of Agriculture according to the Unitary System under the administration of Rangoon (Yangon) University while located in the compound of Mandalay University.

In 1954, the course was extended a year more and a new degree, B.Sc. (Sericulture) was started. The total duration for the degree was five years.

Being under Mandalay University

Independent status of Mandalay University was approved in 1957. With that,

Faculty of Agriculture was handed over to Mandalay University from Rangoon (Yangon) University in 1958. However, B.Sc. (Sericulture) course was abolished that time. In 1964, with the launching of new education policy, Faculty of Agriculture was upgraded to "Institute of Agriculture" under the Department of Higher Education, Ministry of Education. Institute of Agriculture offered five-year B.Ag. degree course. Bridging program started for SAI diploma holders

In 1966, outstanding students of State Agricultural Institutes (SAIs) were granted opportunity to pursue B.Ag. degree in YAU.

Relocation to Yezin

In 1973, the Institute was moved from Mandalay to the present location, Yezin.

The transfer of Ministry and changes in years of study

In 1993, the management of the university was transferred from Ministry of Education to the Ministry of Agriculture and Irrigation. In 1994, the name of degree offered was changed to B.Agr.Sc. (Bachelor of Agricultural Science) and Elective Stream System for final year students was launched. The name "Yezin Agricultural University (YAU)" was officialized in October, 1998. After getting its independent university status in 1964, YAU school year was reduced to four years in 1999-2000 academic year for the first time until 2011-2012 academic year. After that, however, the original five year program was resumed in conferring B.Agr.Sc. degree.

LOCATION

YAU lies in 19°52' N, 96°37'E with the elevation of 340 feet above sea level and situated in Zeyar Thiri Township, Nay Pyi Taw. It is 254 miles from Yangon city and 176 miles from Mandalay city. Its neighboring institutes are University of Veterinary Science (UVS) in the north, Department of Agricultural Research (DAR) in the south, and University of Forestry and Environmental Science (UOF) and Forest Research Institute (FRI) in the east. Yangon-Mandalay Highway is running south to north in the west of the university. YAU covers over 146

hectares in which about 41 hectares is allocated to the university model research farm.

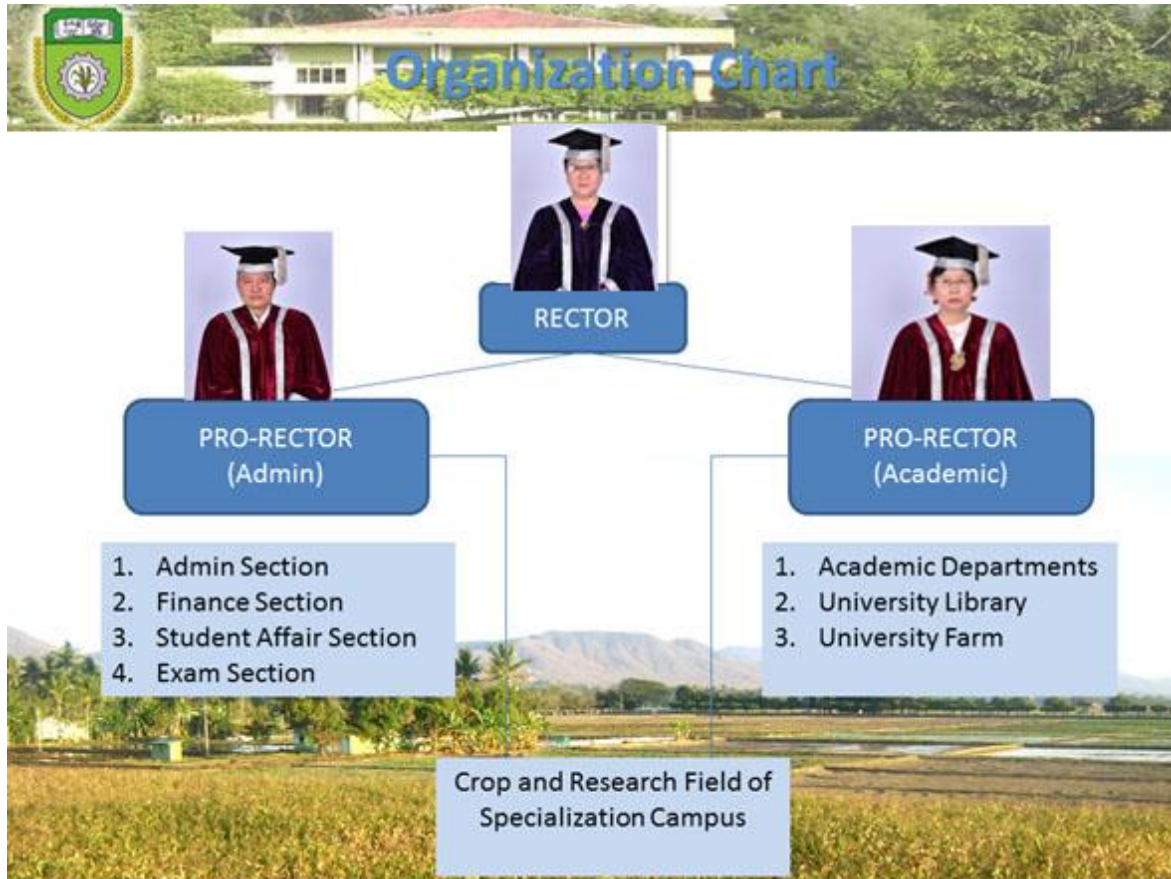
For effective area and technology development and better contact with the local growers, YAU also has 7 outreached campuses across the country which favors different crops and production techniques. The outreached campuses are hosting the final year bachelor degree students who are doing their graduating research on respective specialization study. The followings are the campuses of YAU:

No.	Specialization and Campus	Specialization Area
1.	Yezin Campus (Main)	
A.	Field Crop Production Specialization and Post-Harvest and Seed Technology of Field Crops Specialization	Farming Systems, Field Crop Production, Seed Science and Technology, Postharvest Technology, Agricultural Extension
B.	Plant Breeding Specialization and Crop Physiology and Ecology Specialization	Plant Breeding, Plant Physiology
C.	Soil Science Specialization, Water Science Specialization and Plant Nutrition Specialization	Soil Science, Water Management, Plant Nutrition
D.	Plant Pathology Specialization	Plant Pathology, Agricultural Microbiology, Plant Protection
E.	Agricultural Entomology Specialization and Pest Management Specialization	Insect Ecology, Integrated Pest Management, Insect Toxicology, Storage Pests and their Control
F.	Biotechnology Specialization and Horticultural Specialization	Vegetable Science, Fruit Science, Floriculture, Agricultural Biotechnology, Postharvest Technology
G.	Agri-business Management Specialization	Agricultural Trade and Marketing Extension, Farm Management, Natural Resource Management and Environmental Economics, Agricultural Production, Agricultural Economics Development
2.	Yangon Region	Hmawbi Campus, Hlegu Campus
3.	Shan State	Aung Ban Campus
4.	Magway Region	Magway Campus
5.	Mandalay Region	Kyaukse Campus
6.	Bago Region	Phyu Campus
7.	Mon State	Mawlamyine Campus

ADMINISTRATIVE ORGANIZATION

Rector is the head of YAU. There are two Pro-Rectors (Academic and Administrative) who are supporting the rector with university affairs. There are over 600 academic and non-academic staff in YAU. The affairs of outreached campuses are administered by the Principals under the control of Rector and Pro-Rectors. The supervision of YAU, its policies and affairs

are carried out by the Academic and Administrative bodies of the University. All actions of these bodies are subjected to the final approval of the Ministry of Agriculture, Livestock and Irrigation, and Ministry of Education, the Central Academic Council and the Central Administrative Council of the Universities and Colleges of the Republic of the Union of Myanmar.



ACADEMIC DEPARTMENTS

In conferring agricultural technology, the following 13 academic departments are the major responsible departments viz.,

- (1) Department of Agronomy
- (2) Department of Plant Breeding, Physiology and Ecology
- (3) Department of Soil and Water Science
- (4) Department of Plant Pathology
- (5) Department of Entomology and Zoology
- (6) Department of Horticulture
- (7) Department of Agricultural Economics
- (8) Department of Animal Science
- (9) Department of Agricultural Engineering
- (10) Department of Agricultural Microbiology

- (11) Department of Agricultural Extension
- (12) Department of Agricultural Biotechnology
- (13) Department of Food Science and Technology

There also supported by seven minor subject departments, such as,

- (1) Department of Myanmar,
- (2) Department of English,
- (3) Department of Mathematics,
- (4) Department of Physics,
- (5) Information & Technology
- (6) Library
- (7) Sport

UNIVERSITY LIBRARY

The significant component of Yezin Agricultural University is the university library which hosts thousands of books, literatures, journals, research and term papers, dissertation, CD-ROMs and others which are mainly in agriculture both electronically and in printed form. It is a repository library of FAO publications and also affiliated with the Centre for Agriculture and Bioscience International (CABI) and International Information System for Agricultural Science and Technology

(AGRIS) which provide recent publications and articles. As for online searching, the university has Access to Global Online Research in Agriculture (AGORA) and Online Access to Research in the Environment (OARE). Lan TEEAL (Essential Electronic Agricultural Library for Local Area Network) is also in use. e-library system was upgraded in collaboration with KOICA project in the year 2010.





Workshop on

Promoting Climate Smart Agriculture in Myanmar



COLLABORATION WITH INTERNATIONAL ORGANIZATION

Yezin Agricultural University has international collaboration with numbers of organizations and institutions among which several have signed MoU (Memorandum of Understanding) or MoA (Memorandum of Agreement). Some of them with long collaboration are;

1. Chiba University, Japan, MoU, Sakura Science Program (5times)
2. Maejo University, Thailand, MoU, AAUN member
3. Center for Applied Economics Research, Kasetsart University, Thailand, MoU, Staff exchange
4. Tokyo University of Agriculture (Tokyo Nodai), Japan, MoU, Staff and Student Exchange
5. Montpellier SupAgro, France, MoU, Apply the EU project (2020-2023)
6. The International Rice Research Institute, Philippines, MoA, Staff exchange
7. Kungpook National University, Korea, MoU, Joint research and workshops
8. University KENTUCKY, America, MoU, Internship Program/students exchange
9. Kyushu University, Japan, MoU, Staff exchange
10. Gifu University, Japan, MoU, Joint research with Plant breeding Department
11. Yunnan Agricultural University, China, MoU, Staff and Student Exchange
12. KYOTO University, Japan, MoU, Student exchange
13. Wageningen University & Research, Netherlands, MoU, Student exchange
14. Jiangsu Academy of Agricultural Science, China, Agreement, Joint research with Plant breeding Dept.
15. Chengdu Institute of Biology, Chinese Academy of Science (CIB, CAS), China, MoU, Joint Research Program with Plant breeding Dept.
16. French Agricultural Research Center for International Development (CIRAD), France, Agreement, Planning to do joint research





17. University of Helsinki, Finland, MoU, Staff Exchange Program, joint research and joint workshop program
18. Bern University (HAFL), Switzerland, MoU, Long term Staff Exchange Program
19. Chonam National University, Korea, MoU
20. GRET, France, MoU

Ongoing Projects of YAU are,

1. **NEXUS**, Nodes of Excellence in (SEA) Universities, through spatial data, **Technical support**, (3 Year),
2. **CHINLONE**, (Connecting Higher education Institutions for a New Leadership On National Education) **Capacity building**, (3 Year),
3. Designing and managing international relations, educational projects and mobility schemes in Asian Universities / **TOOLKIT**, **Capacity building**, (3 Year),
4. Curriculum development for Food Science, **Funded by GIZ**,
5. Climate Smart Agriculture Center (**CSA**), (Sustainable cropland and forest management in priority agro-ecosystems of Myanmar - GCP/MYA/017/GFF), (4 Year),
6. Analysis of the global pathway and risk of highly pathogenic plant viruses and insect vectors from tropical and subtropical countries, **Joint research**, (5 Year),



SCHOLARSHIPS

Scholarships and research grants are available for YAU students both undergrad and graduate. Each year more than 100 students have been awarded

scholarships. The most outstanding donors offering scholarships and research grants are:

- a) U Tin Mg Scholarship
- b) Nat Awzar Scholarship
- c) Myanma AWBA Scholarship
- d) Mitsubishi Scholarship
- e) Sagarwar Scholarship
- f) Kann-sint-lett Scholarship
- g) Min Mahaw Scholarship
- h) AUAA Scholarship
- i) YAU Scholarship
- j) Woman Association Scholarship
- k) Rice Enterprise Association Scholarship**



ACADEMIC PROGRAMS

(I) GRADUATE PROGRAM

The teaching medium for Graduate programs of the university is English. YAU is practicing semester system. First semester starts in November and ends in March while second semester begins in May and ends in September. Graduate programs are offered in Department of Agronomy, Department of Plant Breeding, Physiology and Ecology, Department of Soil and Water Science, Department of Plant Pathology, Department of Entomology, Department of Horticulture and Department of Agricultural Economics. Moreover, in collaboration with Indian Agricultural Research Institute (IARI), YAU is offering four graduate courses in Advanced Center for Agricultural Research and Education (ACARE).



(a) Master Degree Program

Courses for Master of Science in Agriculture (M.Agr.Sc.) was started in 1978 with the introduction of semester credit system. The required period for the graduation of M.Agr.Sc. degree is a minimum and maximum residence of four to ten semesters respectively, and normally 50 credit hours (34 credits for course work and 16 credits for thesis) may be required. A student is required to submit a thesis as a partial fulfillment of the requirements for the Master's degree. Only students who have completed the graduation requirements are conferred a M.Agr.Sc. degree.



(b) Doctorate Degree Program

Ph.D. degree program was started in the year 2001. The residential requirement for earning a Ph.D. degree is five years. A total 50 credit hours (9 credits for course work and 41 credits for thesis) may be required for the Ph.D. degree.

(c) Master of Philosophy (M.Phil.) and Postgraduate Diploma

In 1986, Master of Philosophy (M.Phil.) program was introduced as another degree program for YAU graduates who did not earn (Q; Qualified to pursue M.Agr.Sc) status. Again in 2006, Postgrad Diploma Course (Grad. Dip.Agr.Sc.) was also started.

(2) Undergraduate Program:

General agriculture course was offered to the students in the beginning. However, in 1994 Elective Stream System was developed. University curriculum was designed in such a way that first and second year students were offered a good foundation in basic sciences and fundamental training in various aspects of agriculture. For the rest of the school years, broad general agriculture with a good balance between the physical, chemical, biological, social sciences and applied agricultural courses were emphasized. However, in the fourth and final year courses students are required to select their field of specialization to complete the degree. With the guiding supervisor, students are required to conduct Special Research Project (SRP) as the partial fulfillment of the requirements for the B.Agr.Sc. degree. From 1964 to 1999, the required period for graduation was five years but it became four years in 2000. From 1994 till 2005, seven elective streams were available for final year students, and they were: Field Crop Production, Crop Science, Horticultural Crop Production, Soil and Water Management, Plant Protection I (Entomology), Plant Protection II (Plant Pathology) and Agricultural Business Management. Students who have fulfilled their graduation requirements are awarded B.Agr.Sc. degree.



(a) Crop specialization program Four-year Elective Stream System was practiced from 2000 to 2005. Starting from 2006, YAU admission system was changed to Entrance Examination system and with that Elective Stream System was abolished. Instead, Crop and system oriented specialization was introduced. The objective was to make the students more focused on their

specialization and to acquire field experience for their related crops practically.



Internship program was started for final year students in 2015.

(b) Major and Specialization Starting from 2014-2015 academic year, 7 major subjects specialization was developed for fourth year students. Specializations are Agronomy; Plant Breeding, Physiology and Ecology; Soil and Water Science; Plant Pathology; Agricultural Entomology; Horticulture and Agricultural Biotechnology; and Agricultural Business Management. Students can select the major subject based on their interest and also their academic stand in the previous year examination. YAU offered semester credit system for the first time in 2017. In the system, 13 elective courses were provided for fifth semester students. The objectives are to reduce class size for effective teaching and learning, to enable students enjoy

more time for self-study in their subjects of interest.

(c) Entrance examination system: Before 2006-2007 academic year, students for YAU were selected by the Selection Board of Department of Higher Education under the Ministry of Education like any other professional universities. Selection was done on the basis of the candidates' matriculation scores and the order of their priority of universities. However, entrance examination was introduced after that in which the applicants were required to sit two papers (English and Biology). The system was abolished and selection based on matriculation scores was again practiced starting from 2017 together with semester credit system.

(d) Bridge education system: Outstanding graduates of State Agricultural Institute (SAIs) holding Dip. Ag. certificate are given opportunity to continue bachelor degree study in YAU starting from 1966. Moreover, government service personnel holding the same certificate but with 3 years of service in the offices under Ministry of Agriculture, Livestock and Irrigation are granted further study in YAU through entrance examination. Annually, thirty seats are reserved each for the outstanding students of Dip.Ag. certificate holders and service personnel in YAU. Both are required to sit 3 papers in the entrance examination. At present there are 13 SAIs in Myanmar.

(3) Special lectures and Seminars

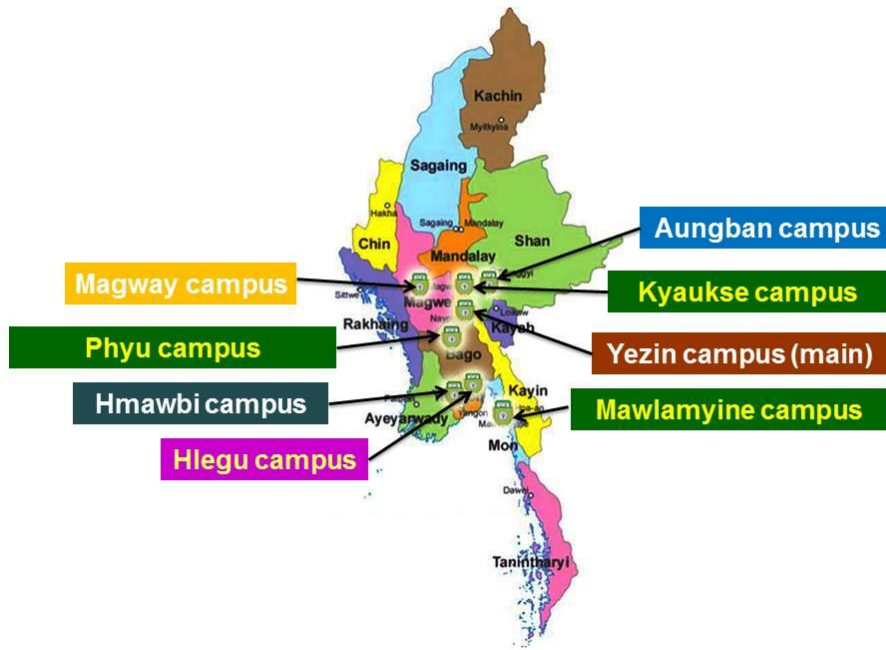
YAU organizes regular and ad hoc academic activities that enhance students learning opportunities. Resource persons and experts from local and abroad are occasionally invited for special lectures which are primarily co-organized by YAU and Agricultural University Alumni Association (AUAA). Graduate students and senior undergrad students are those who are benefited from this. Topics of the lectures cover a wide range agricultural science which reflects the need of modern agricultural technology development, resource use efficiency for sustainable crop production, promotion of farm produce quality, marketing strategy and farmers' livelihood improvement.



ရေဆင်စိုက်ပျိုးရေးတက္ကသိုလ်နှင့် ယာဇာ(VARA)မြေဩဇာကုမ္ပဏီတို့ ပူးပေါင်းဆောင်ရွက်သည်။
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CAMPUSES OF YEZIN AGRICULTURAL UNIVERSITY



CAMPUS FACILITIES AND ASSOCIATIONS

Comfortable and affordable residential facilities are provided for all students in YAU. YAU Campus has 9 hostels with 1,014 rooms housing over 2000 students in Yezin. Each dormitory is equipped with security and Wifi. There are YAU hostel rules that all residents

students preserving their cultures and scaling up their expertise and talents, and promoting their



social status. Literature and Culture Subcommittees of the National Races, Fine Arts Association, Religious Association, Regional Families, English Speaking Club, Agronomy



should comply with or shall be held responsible for any violation. In addition, students are free to join any students organization of common interest. In a way, YAU is not only the center of science and technology, but also the place which helps



Society, Floriculture Association, Soil Science Association, Agricultural Engineering Association, Yezin Agricultural University Information Technology Association, and Sports and Gymnastics Club are some of them.



Agricultural University Alumni Association (AUAA), an association which makes an essence of its alma mater and assists the mother institute in all possible ways was formed in 1999. Young Scientists Association of YAU (YSAY) which is mainly composed of junior staff and senior students of common interest was founded in 2011. The association is aimed for the persuasion and initiation of appropriate contemporary research crafted by the young scientists of YAU and also for their contribution to the welfare of YAU students.



JOB OPPORTUNITIES FOR THE GRADUATES

The graduates who are technically sound and well qualified find job opportunities readily in different departments and institutions under the Ministry of Agriculture, Livestock and Irrigation (MoALI) as well as local and international institutions, NGOs and INGOs, as well as private companies.



CURRENT MISSION OF YAU

While serving as a knowledge hub for its scholars, YAU is always keeping track of national policy particularly in poverty alleviation, climate resiliency and environmental conservation. For YAU, there is an agricultural sustainability trend in the courses offered for the student to have keen interest in blending indigenous knowledge and modern technology know-how received from the university. As an academic department, YAU does revising its curriculum from time to time to keep it



up with contemporary situation and technology of global agriculture while strong principles are fundamentally rooted in the students. On the other hand, it is also promoting its important role in the nation to gain recognition as a well-versed institute in agricultural knowledge and technology. All the activities are carried out to bring both the experts and technology from laboratory to the farm to benefit farming communities.



FUTURE ENDEAVOURS OF YAU

Being the only one agricultural university to serve the nation and its people, YAU intends to become the center of excellence with complete access to modern agriculture technology through its modernized and time in line curriculum, syllabus and infrastructures. Much effort is being put in revitalizing the university agriculture,



extension and education system while making more engagement with farmers through participatory research and extension methodology to strengthen local livelihoods and national food security.





Agricultural University Alumni Association

Established December 22, 1999

**4815 current members*

Student Centered Technique
Ground for Int'l Agriculture
Lab to Farm Approach

Technology of hybrid rice production

စပမ္ပူးခေါင်း
 နိုက်ပျိုးထုတ်လုပ်မှု
 နည်းပညာ

YAU with Golden Future



Young Scientists Association of YAU

Established July 14, 2011

"DEVELOPING NATION THROUGH AGRICULTURAL SCIENCE AND EDUCATION"

Yezin Agricultural University

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