

CHINLONE

Connecting Higher Education Institutions for a New Leadership on National Education

Erasmus+ KA102

Yezin Agricultural University (YAU)



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<http://www.yau.edu.mm>

HISTORICAL BACKGROUND

LOCATION



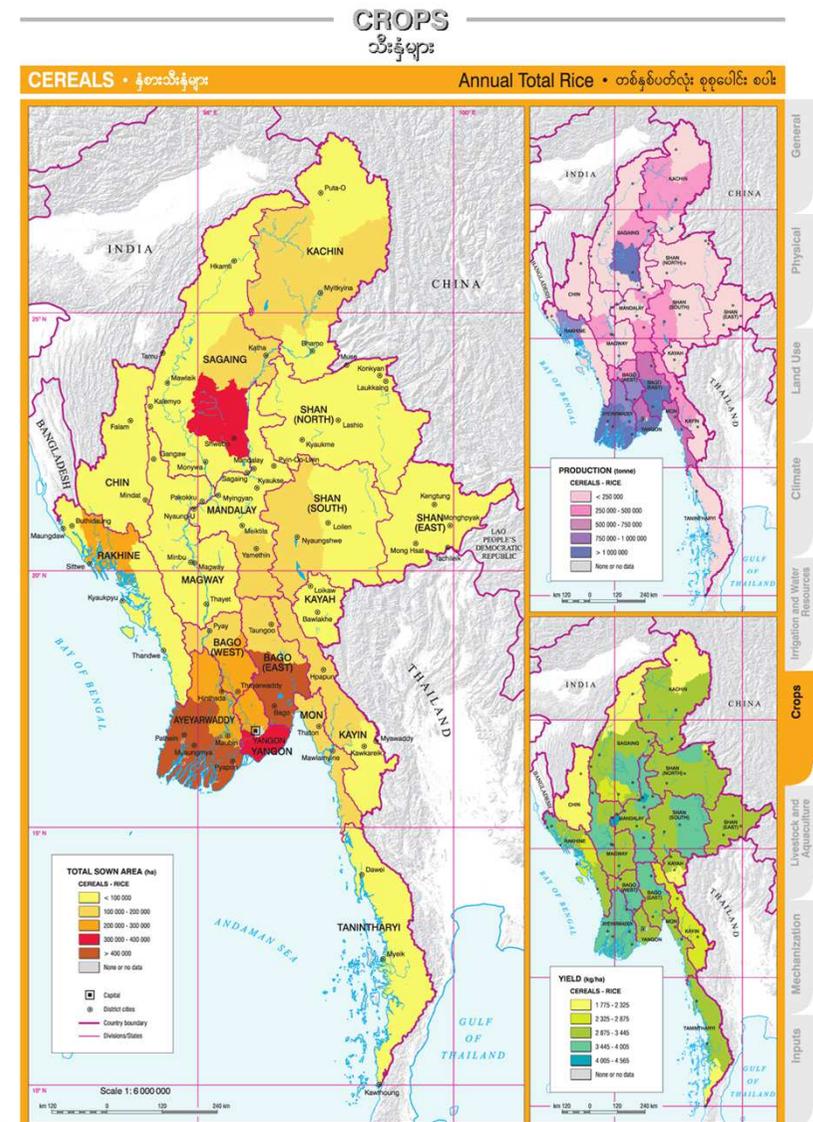
NEIGHBOURS



INTRODUCTION

- Agricultural country
- Economy heavily dependent on Agriculture
- GDP (Agri. Sector) → 22.1%
- Export earning → 20%
- FDI → 0.42%
- Labour force → 61.2%

(MOAI, 2015)



The beginning

Burma Agricultural College and Research Institute



Founded: 22nd December, 1924, Mandalay

The Path

1938 – 1958:

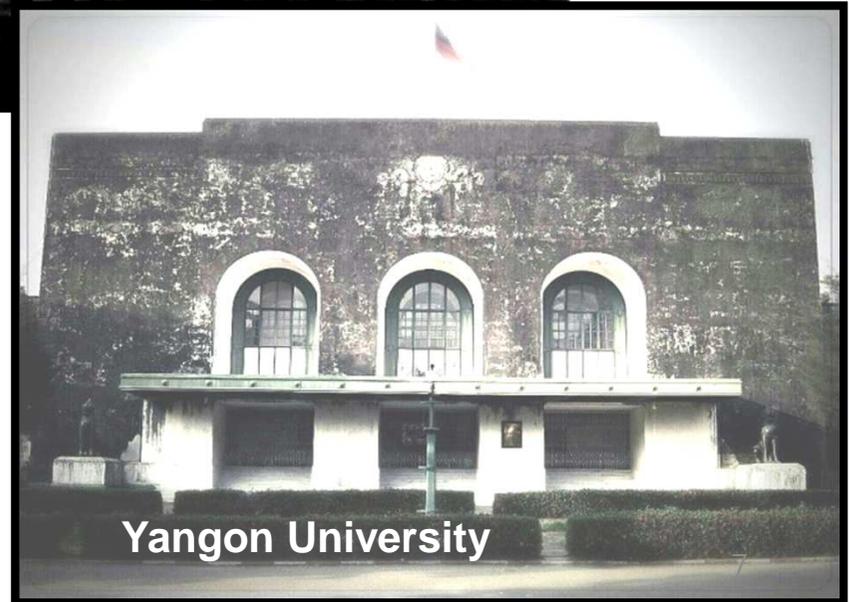
Annexed to Rangoon (Yangon)
and Mandalay Universities



Mandalay University



Mandalay Agriculture Department



Yangon University

The turning points & The present name

1964 - “Institute of Agriculture” : Separate University status

1973 - Moved from Mandalay to Yezin

1993 - Management transferred to

Ministry of Agriculture and Irrigation

1998 - Renamed as “Yezin Agricultural University (YAU)”



INTRODUCTION

YAU- the only university level of higher education in Agriculture
in the Republic of the Union of Myanmar



Primary Functions of YAU

- Teaching and training
- Research
- Extension
- Linking to Industry





OUR MOTTO

"DEVELOPING THE NATION THROUGH
AGRICULTURAL SCIENCE AND EDUCATION"



Rector

Pro-rector (Administration)

- Dept. of Administration
- Dept. of Planning & Finance
- Dept. of Training (Exam and convocation, Student affairs)
- Dept. of International Relation
- Dept. of Information Technology
- Advanced center for Agri. Research and education (ACARE)
- University Library
- University Farm

Pro-rector (Academic)

- 20 Departments
 - 7 outreach campuses

Agronomy
Crop Breeding
Soil Science
Plant Pathology
Entomology
Agri. Economics
Horticulture
Agri. Engineering
Animal Science

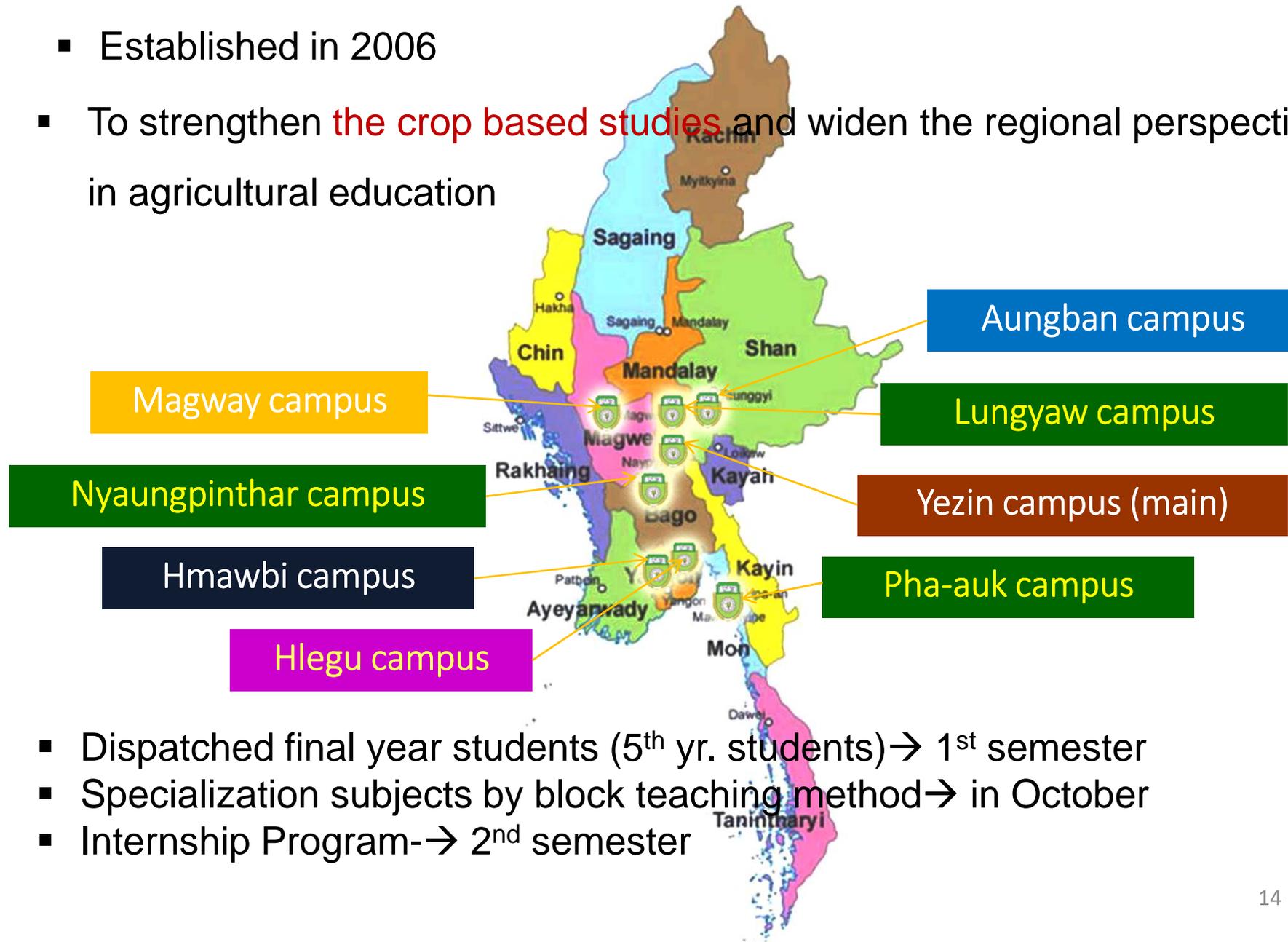
Myanmar
English
Physics
Math

Chemistry
Zoology
Botany

Agr. Extension
Agri. Biotech
Agri. Microbiology
Food Science

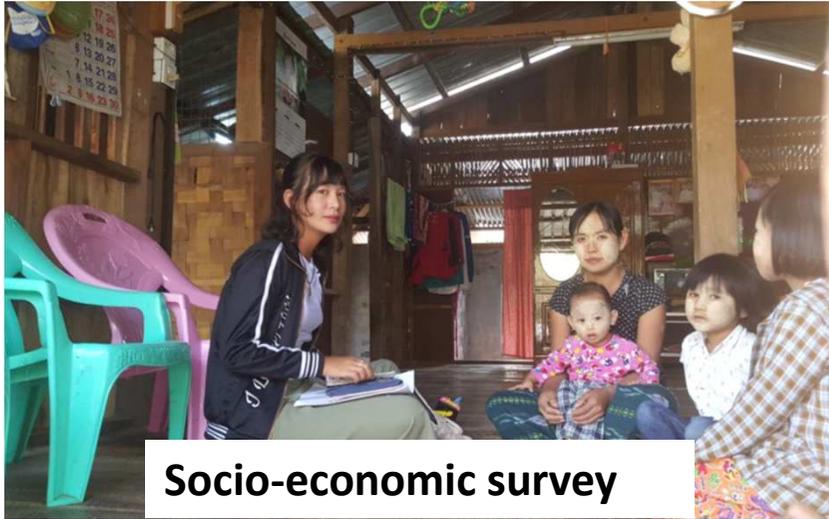
Seven Outreach Campuses

- Established in 2006
- To strengthen **the crop based studies** and widen the regional perspective in agricultural education



- Dispatched final year students (5th yr. students) → 1st semester
- Specialization subjects by block teaching method → in October
- Internship Program → 2nd semester

Activities of Campuses



Internship training



Student numbers and Staff in YAU (2017 FY)

Post graduate	Male	Female	Total
PGD (rice)	-	1	1
M.Phil	-	2	2
M.Agr.Sc	26	100	126
Ph.D+ Research based Ph.D	9	18	27
ACARE (M.Sc)	7	11	18
ACARE (Ph.D)	1	6	7
Total	43	134	178

Total no. of students= 2603

Student: academic staff= 1:13 / 1: 27

Under graduate	M	F	Total	
First year	167	158	325	Credit system
Second year	198	170	368	
Third year	272	325	597	Semester system
Fourth year	244	391	635	
Final year	191	309	500	
	1072	1353	2425	

Academic staff	195 +4	199
Non-teaching staff		333
Total		532

EDUCATION

YAU Education program

- Start from this 2017-18 AY, YAU changed its Undergraduate program from Semester base to **Credit system)**
- Thus, YAU is running with two academic programs at present.
- Open for regular M.Sc/Ph.D/ Research-based Ph.D program offered by departments
- In addition, start **new postgraduate programs** at **ACARE (Advanced Center for Agriculture and Education)**

Medium of instruction is English

Students Allocation

- ✓ 1st year
- ✓ 2nd year
- ✓ 3rd year
- ✓ 4th year

- New Credit System
- Regular System
- Regular System
- Regular System

YAU Campus

- ✓ Final year

- Regular System
- Outreach Campus
- Teaching in first semester in outreach campus
- Internship program in selected areas

First year B.Agr.Sc Student

- **New Credit System**
 - online registration system
 - 12 major subjects (depends on their choice)
 - 90 minutes/lecture
 - 90 minutes/practical
 - Morning field

Number of Students in 2017-2018 Academic Year

Sr.	Types of student	male	female	total
1	First year	167	158	325
2	Second year	198	170	368
3	Third Year	272	325	595
4	Fourth year	244	391	635
5	Final year	191	309	500
	Total undergrad students	1072	1353	2425
6	Post graduate diploma	-	1	1
7	M.Phil	-	2	2
8	M.Sc	26	100	126
9	Ph.D	9	18	27
10	Ph.D (Research Based)	5	6	11
11	ACARE- M.Sc	7	11	18
12	ACARE- Ph.D	1	6	7
	Total Post-grad students	50	153	203
	Total	1122	1526	2628

Internal Quality Assurance in Yezin Agricultural University (YAU)

Course design, approval, monitoring and review

B.Agr.Sc degree (5 years)

- 335 credit for theory & practical
- 22 credit for internship
- Comprehensive exam
- Individual Assignment
- Special Research Project

Course design, approval, monitoring and review (continued)

Post graduate diploma (1.5 years)

- 20 Credit points course work
(2 semesters)
- 8 Credit points for dissertation
- Total Credit Points = 28

Master Degree (2-3 years)

- Total credit hours = 50 credit hours
- Major subject = 28 credit hours
- Minor subject = 10 credit hours
- Thesis = 16 credits

Course design, approval, monitoring and review (continued)

Doctorate Degree (3-4 years)

- Total credit hours = 50 credit hours
- Major subject = 15 credit hours
- Minor subject = 9 credit hours
- Thesis = 26 credits

Research based Doctorate (3-4 years)

- Total credit hours = 50 credit hours
- Major subject = 15 credit hours
- Minor subject = 9 credit hours
- Thesis = 26 credits

Examination

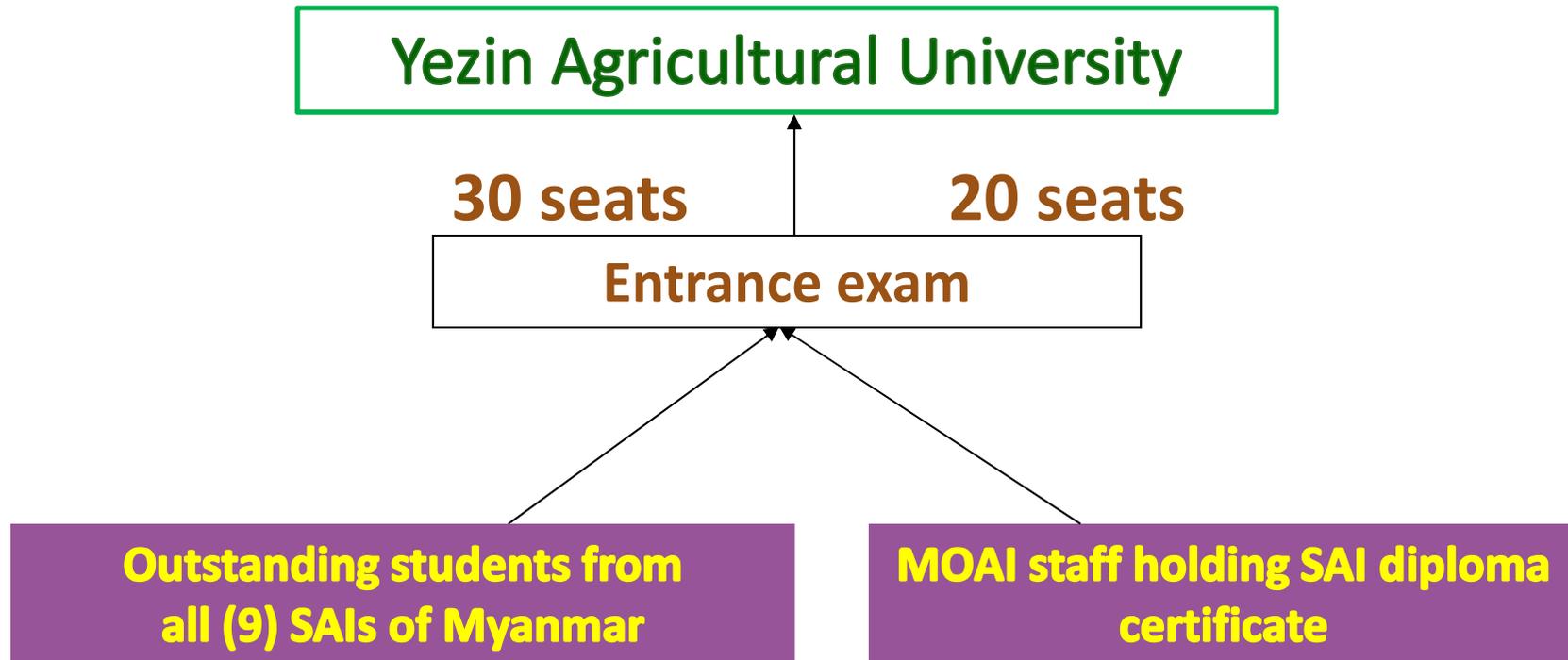
Undergraduate

- One examination in each semester for all subjects
- Must pass all the subjects
- *Policy and Guidance on Examinations* is announced by examination section

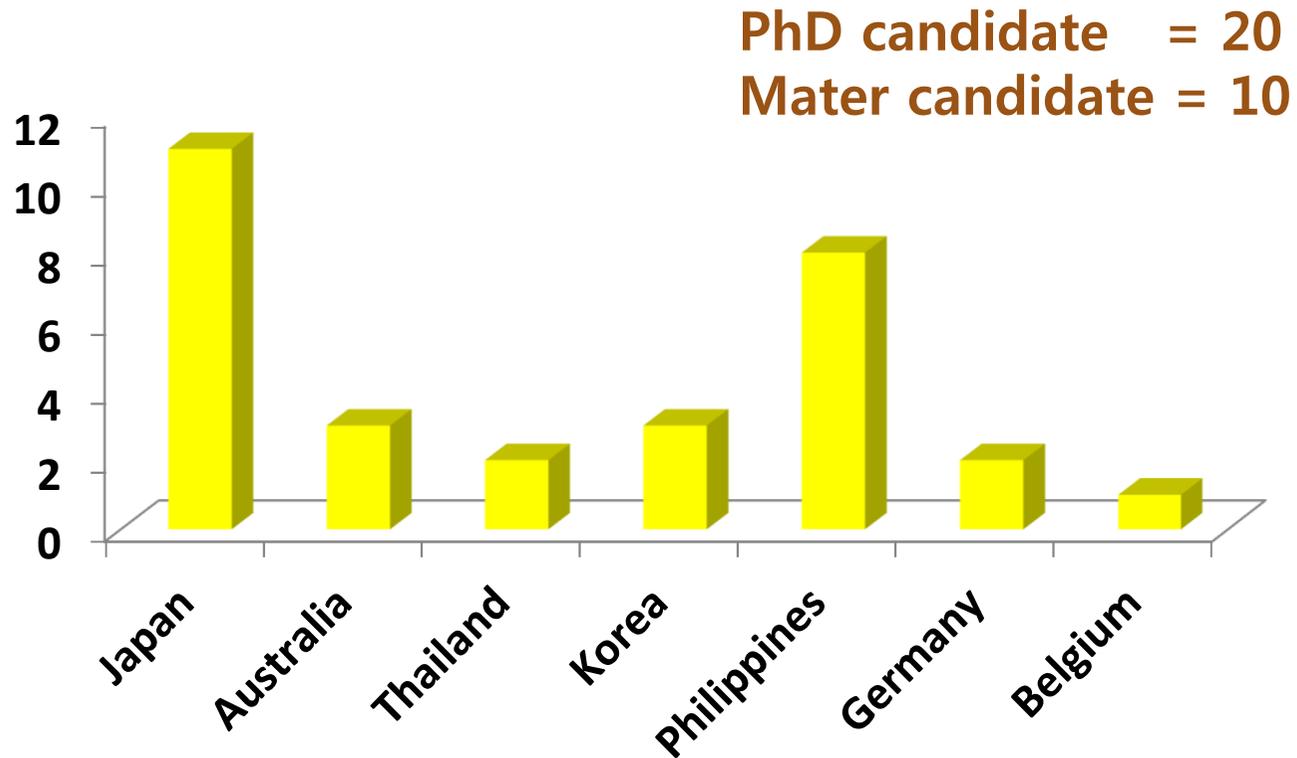


Admission Policy and Procedures: Bridging System for State Agricultural Institutes (SAIs) to YAU

- Must hold Diploma in Agriculture certificate
- Join in 3rd yr. 1st semester



Quality enhancement in learning and teaching



No. of Academic Staff Studying at Foreign Countries

Recommendation for Quality Assurance in YAU

- Needs to increase the quality of higher education which meet the demand of labor market
- Appropriate cooperation of public and private sector
- Inclusive education system
- Changing culture of learning
 - towards more critical thinking in examinations

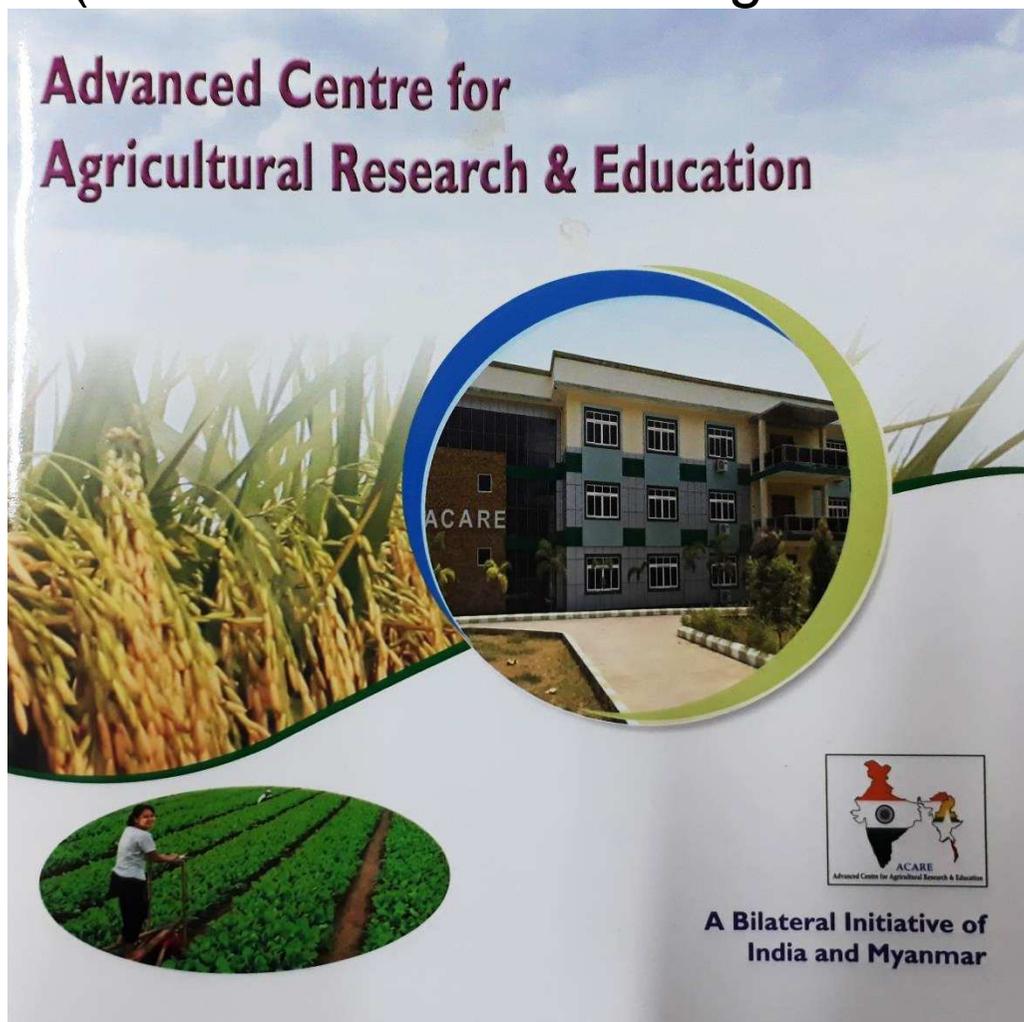
COLLABORATION WITH INTERNATIONAL ORGANIZATIONS



ACARE



(Advanced Centre for agricultural research and education)



- ✓ New Genetics
- ✓ Postharvest Technology
- ✓ Capacity Building
- ✓ Participatory knowledge management

Collaborative project with IARI
“Advanced Centre for agricultural research and education
(ACARE)”

Post graduate program

Course	Enrolled graduate students
Post harvest technology	M.Sc- 6, Ph.D -6
Participatory knowledge management	M.Sc -6
New genetic	MSc. 6 , Ph.D - 1
Capacity building	Training for staff and farmer

- Formulate post graduate program
- Provide laboratory equipment/ training by Indian experts

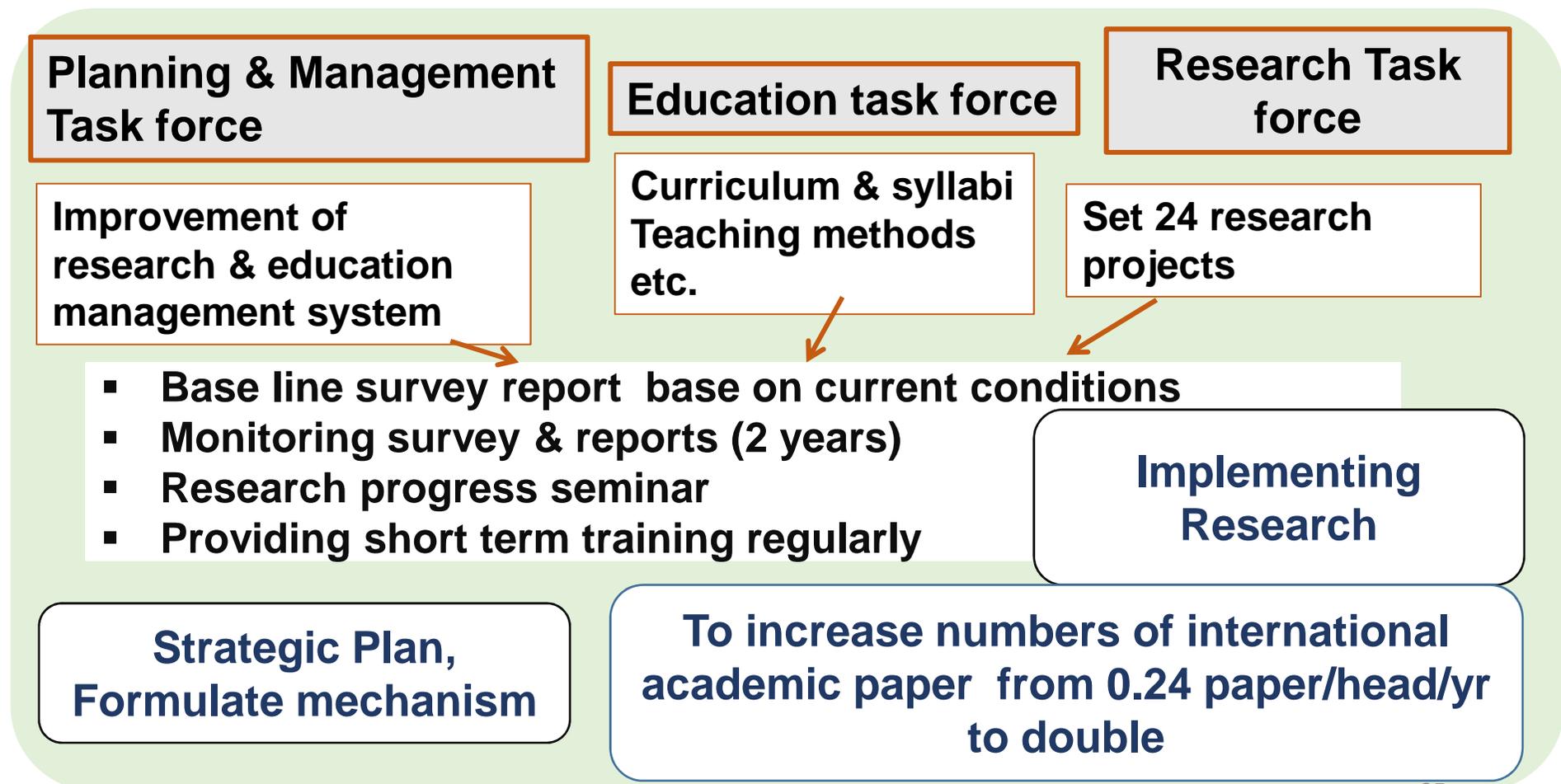
JICA-TCP

(JICA Technical Cooperation Project)



YAU JICA TCP Project Purpose

To enhance education and research foundation for practice-orientation in 9 departments of YAU



Implementation of Pilot Research Program (27 Research Groups formulated)

Pilot Research Group A (RA): (6 subjects under 3 sub-groups)

Rice Varietal Selection for Climate Change with Farmer Participatory Approach

Pilot Research Group B (RB): (9 subjects under 3 sub-groups)

Spatial analysis on Distribution of Crops, Pests, Diseases and Soil Fertility and Its Application to Crop Management

Pilot Research Group C (RC): (5 subjects under 2 sub-groups)

Postharvest and Supply Chain Management of Selected Major Crops

Complimentary Research (CR-Group):

2 subject from Dept. of Animal Science

1 subject from Dept. of Agricultural Economy

4 subjects in Japan (4 -Ph. D candidates)

Total



27 Research Groups

EU- Projects at YAU

1. NutriSEA- Network of universities and enterprises
for food training in Southeast Asia (2016-2018)
2. NEXUS- Nodes of Excellence in (SEA) Universities
with Spatial data (2017-2019)
3. CHINLONE- Connecting Higher Education
Institutions for a New Leadership on National
Education

Still applying the application

- ✓ **TOOLKIT - Designing and managing international relations, educational projects and mobility schemes in Asian Universities**
- ✓ **FOODI- MSc course in Food Processing and Innovation**



“Sustainable Cropland and Forest Management in Priority Agro-Ecosystems of Myanmar”

- ✓ Establishing and Operationalization of A National Climate Smart Agriculture (CSA) Center at Yezin Agricultural University
- ✓ Vision: A center to lead CSA initiatives and to build capacities of concerned Government personnel and other stakeholders on CSA as an effective tool for climate change mitigation and adaptation in Myanmar
- ✓ Mission: Lead the development, dissemination and utilization of gender sensitive, inclusive climate smart agriculture systems and technologies for different agro-ecological zone of Myanmar.

NEW ACADEMIC PROGRAM AND INITIATIVE

A. Upgrading (existing)

- ✓ Agricultural Engineering (irrigation, post-harvest technology, and farm mechanization)
- ✓ Animal Science
- ✓ Agri-business management

B. Curricular Development

- ✓ IT application to agriculture
- ✓ Biotechnology application to agriculture
- ✓ Agricultural extension
- ✓ Microbiology
- ✓ Food Science and Technology

NEED TO EXTEND NEW DEPARTMENTS/ COURSES

- Agricultural Engineering
- Agricultural Extension & Rural Development
- Food Science and Technology
- Biotechnology
- Information Technology (IT)
- Agrometeorology

LIMITATION AND CONSTRAINTS OF YAU

- **Infrastructure**
- **Hardware Development**
- **Software Development**
 - **Exam system**
 - **Class evaluation**
 - **Internship program**
 - **Questioning technique**
 - **Credit system; how to handle failed students**
 - **Extra curriculum (e.g., Library/ Sports/ UTC)**

WAY FORWARDS

- University agriculture, extension and education system
- More engagement with farmers
- Awareness of local livelihoods, food safety, food nutrition and food security
- Participatory research and extension methodology
- University text book system and library
- Graduate programs (empowering higher agricultural education)
- International relation system



Thank You for your kind attention