

**Project Design Matrix (PDM)**

**Project title: The Project for Capacity Development of Yezin Agricultural University**

<b>Duration:</b> November 2015 - November 2020	<b>Target group:</b> Academic Staff in 9 Departments of YAU, Management Staff of YAU	<b>Target area:</b> 9 Departments of YAU and related remote campus	<b>Ver.:</b> PDM1 (for 1st JCC on 21st June 2016)
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Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions	
<b>Overall Goal</b>				
Qualified human resources in agricultural sector are produced by YAU.	1 The satisfaction level among the Ministry of Agriculture Livestock and Irrigation (MoALI), agricultural private companies and local and International organizations who employed YAU graduates is increased by 20% three years after the completion of the Project in comparison to 2017-18FY. 2 The number of graduate students enrolled in YAU increase by 30% in 2023-2024FY in comparison to 2015-16FY.	1.1 Questionnaire survey results for graduates of YAU. 1.2 Questionnaire survey results for AUAA (Agriculture University Alumni Association), private sector and others. 2.1 YAU Annual Report and Project Annual Report		
<b>Project Purpose</b>				
Education and research foundation* for practice-oriented research is enhanced in 9 departments** of YAU;	1 The frequency of use of laboratory and machineries installed in 9 departments is increased by XX%. 2 The time allocated to laboratory experiments and field research works among academic staff and students in 9 departments is increased by XX%. 3 The average number of academic papers/head/year published in domestic or international journals is doubled by 2020 from 0.24/head/year in 2015.	1.1 Record of use of laboratory and machineries in 9 departments 1.2 Questionnaire survey results for academic staff 2.1 YAU Annual Report and questionnaire survey results 3.1 YAU Annual Report and questionnaire survey results	The government of Myanmar sustains the same agricultural policies and initiatives as effective when this JICA technical cooperation project was officially requested by the government of Myanmar.	
<b>Outputs</b>				
1 Management system to promote research and education is improved in YAU.  2 The Curriculum and teaching capacity of academic staff are improved in 9 departments of YAU.  3 The research capability of academic staff is enhanced in YAU.	1.1 Long-term strategic plan related to education and research is formulated in YAU. 1.2 Annual action plan is formulated and implemented every year from 2017-18FY. 1.3 The operational guidelines for the long-term strategic plan and annual action plans are developed. 1.4 Annual progress report regarding the achievement of the long-term strategic plan and annual action plan is published every year from 2018FY.  2.1 Curriculums of 9 departments of YAU are reviewed once a year from 2017-18FY and a plan for revision is formulated. 2.2 Syllabuses and teaching materials of 9 departments of YAU are reviewed and revised at least once (1) a year from 2017-18FY. 2.3 Regular training program for improving teaching capacity of academic staff is formulated.  3.1 Research plan is formulated for pilot research projects. 3.2 Regular training program/ periodical seminars for enhancing research capabilities of academic staff is formulated. 3.3 More than 50% of pilot research project published research papers until 2019-20FY.	1.1 Long-term strategic plan and annual progress report 1.2 Annual action plans 1.3 The operational guidelines for the long-term strategic plan and annual action plans 1.4 Annual progress report  2.1 Curriculums of 9 departments 2.2 Syllabuses and teaching materials 2.3 Report of training program  3.1.1 Research plans/ Activity reports of Research Task Force 3.1.2 Project progress report 3.2 Report of training program and annual progress report 3.3 Project progress report	1) YAU sustains the same policies on education and research as those adopted when this JICA technical cooperation project was officially requested by the Government of Myanmar.  2) Academic staff can secure enough time for conducting pilot research.  3) Severe natural condition and/or disaster and climate conditions do not occur in the target area.	
<b>Activities</b>	<b>Inputs</b>			
0.1 Conduct baseline survey  0.2 Implement project monitoring on a regular basis  1.1 Set up a Task Force on planning and management for education and research activities of YAU 1.2 Analyze and revise existing planning and management system of YAU regarding education and research activities 1.3 Analyze and revise existing long-term strategic plan and annual action plan regarding education and research in YAU 1.4 Assess progress and achievements of the revised long-term strategic plan and annual action plan on a regular basis 1.5 Formulate a guideline for the preparation and operation of the above plans  2.1 Set up a Task Force on curriculum development and teaching improvement 2.2 Review and revise the existing curriculums in 9 departments, and develop curriculum maps 2.3 Implement monitoring on teaching performance targeted young and mid-career academic staff in 9 departments on a regular basis 2.4 Implement an in-service training program and formulate a manual for the training program 2.5 Review and revise the existing syllabuses and teaching materials in 9 departments  3.1 Set up a Task Force on research capacity development 3.2 Conduct need assessment for agricultural producers and relevant industries, and select pilot research projects 3.3 Formulate a pilot research plan 3.4 Conduct trainings for research implementation and presentation 3.5 Implement pilot research projects 3.6 Conduct seminars or workshops to report the results of pilot research projects	<p><b>The Myanmar Side</b></p> YAU a) Space and building for project office b) Research facilities, equipment and machineries c) Counterparts d) Running cost such as electricity, water, internet access and domestic travel allowance for YAU personnel MOAI a) Counterparts (JCC member)	<p><b>The Japanese Side</b></p> a) Long-term experts: 3 experts (Chief Adviser/ University Management, Project Coordinator, Teaching Improvement/ Agricultural Research (one expert can hold two fields concurrently) b) Short-term experts c) Long-term training program d) Short-term training program e) Expenditure for the pilot research projects f) A portion of local cost	<p><b>cf) Definitions of terms used</b></p> <p><u>Education and research foundation*:</u> System and capacity related to education, research and university management</p> <p><u>9 departments**:</u> Department of Agronomy, Department of Plant Breeding, Physiology and Ecology, Department of Soil and Water Science, Department of Plant Pathology, Department of Entomology and Zoology, Department of Horticulture and Agricultural Biotechnology, Department of Agricultural Economics, Department of Agricultural Engineering and Department of Animal Science.</p>	