



AIC Report

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Department of Entomology
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Muhammad Nawaz Sharif University of Agriculture, Multan
Criteria for Agriculture Degree Program Evaluation
Entomology B.Sc (Hons) 2014-15

Sr. No.	Criteria	Points Assigned	Points Awarded
A. Major Criteria			
1	Strength and Quality of Faculty	250	120
2	Curriculum Design and Development	150	120
3	Infrastructure and Learning Resources	200	120
4	Students Support and progression	100	40
Sub - Total (A)		700	400
B. Minor Criteria			
5	Research and Consultancy Activities	150	75
6	Governance and Leadership	100	65
7	Recent Innovations and Best practices	50	20
Sub - Total (B)		300	160
Grand Total (A+B)		1000	560

(Five hundred and sixty only)

56%

Name and Designation

Signature of Program Evaluator

EXECUTIVE SUMMARY

Muhammad Nawaz Sharif University of Agriculture, Multan (MNSUA) was visited on March 19, 2015. B.Sc. (Hons.) Agricultural Entomology is being offered in the discipline of Entomology. There is only one class consisting of 20 students in entomology. Sufficient faculty is available for the present need of the department but there is no senior faculty in the Department. Faculty has no proper offices and cabins for faculty are congested. There is no faculty development program in place. Lecture rooms and laboratory space is barely enough to meet the need of the present batch of Entomology as a major subject. Teachers are seriously concerned about the terms and conditions of their appointment. However, students are satisfied with academic environment and program

Library is not fully equipped to meet the standard of specialized program in entomology. Computer facility is inadequate for students and faculty members. No access is available to HEC digital library. Very limited internet facility is provided to the students. Agriculture farm needs to be developed and farm machinery is needed for research and practical. Transport facility for commuting is available for students and teachers.

It is recommended that the accreditation of the degree program on entomology may be the present state of the Entomology Department may be declined. The University authorities need to take necessary steps in priority basis to meet the major evaluation criteria such as strength and quality of faculty, infrastructure and learning resources, curriculum duly approved by statutory bodies as well as text books and reference material.

The AIC may plan another visit after a period of one year for re-evaluation as well as rating in accreditation of entomology program.

INTRODUCTION

Agricultural potential and specific ecological conditions of the Southern Punjab led to the establishment of a full-fledge Agriculture University in Multan the need for which had been felt for long time to cater to the educational and research needs of the community. The University was shifted to the present building on 13th January, 2014. The Higher Education Commission granted an NOC to the University after the visit on 6th February, 2015. Three batches have been admitted so far and the total enrollment of the students is 502. The University started Agricultural Entomology department in 2015 with 20 students opting Entomology as a major subject.

CRITERION WISE ANALYSIS

Strength and Quality of Faculty

Faculty consists of one Assistant Professor and three lecturers. There is only one Ph. D. faculty member. All of them have less than six months service in the Department of Entomology. However, the assistant Professor had more than five years' experience in a Chinese university. There is no senior faculty in the department. There is no senior faculty member in the Department of Entomology. Number of faculty members is sufficient for the course work of the current semester students of Entomology. Teacher student ratio is good. All the faculty members are engaged in teaching and no research is being carried out. No faculty development program is in place. There is no faculty participation in seminars and conferences. Course files are maintained but no course review reports exist. Some faculty members were not satisfied with the terms and conditions of their employment.

Curriculum Design and Development

Curriculum objectives are clearly defined and are relevant to the degree program. Very little use of information technology is integrated in the curriculum. Students do not have sufficient flexibility or choice of courses to take, but that is not the policy of the University. HEC curriculum is being followed. However, the students indicated that they were satisfied with the quality of instructions.

Infrastructure and Learning Resources

There are two class rooms and one laboratory, with the capacity of 20 students is available which are sufficient for the current need of the program but not enough to cater to the needs of the classes when another class is admitted. Laboratory equipment is not enough for the specialization classes. Moreover, no staff is appointed in the laboratory. Safety measures and equipment in non-existent. So, the laboratory does not meet the standard for the degree program.

Library is seriously deficient in resources. Seating and other resources are very limited. Although there are about 375 books (including multiple copies) available in the library, but only 73 books are related to Entomology. No books are available in the Departmental library. Text books' requirement as per planned program of Entomology is not fully met. No regular journal, in the form of hard copy, is subscribed and neither is any access to digital library. No qualified staff is appointed in the library. Thus, the library facilities are inadequate to meet the requirement of the full program of Entomology.

There is no experimental farm and the farm machinery. However, practical are arranged on the farm of the Punjab Department of Agriculture, which has a different mandate than the university and thus may not be able to meet the academic requirement.

Students Support and Progression

Admission response is encouraging. Financial support is available to the students. Students have scholarship opportunity other than the HEC scholarship. There is no hostel for the students and sport facilities are very limited. Transport is available to the students and the faculty. First Aid kit is available in the University for emergency. Student can interact with teachers freely. Although students opinion is positive about the facilities but the Committee feels that infrastructure is unsatisfactory to meet the needs of the degree program.

Research and Consultancy Activities

No research funds are received from HEC. No research project is in hand or submitted for funding and no paper has been published from the Department of Entomology. However, the faculty has a small number of publications to their credit from previous positions. Thus, the research productivity of the faculty is nil at present.

Governance and Leadership of Institution

Administrative authority and organizational set up is clearly defined. Budget is very limited for efficient operational activity. It is also centralized and no departmental budget is available. However, needs of the Department are met to some extent.

Participatory SWOT Analysis

Major Strength

- The students seem satisfied with the faculty, course coverage, and transport facility.

Major Weaknesses

- No senior, experienced and Ph.D. qualified faculty except one.
- Inadequate Lab. and controlled condition facilities.
- Experimental farm is not developed and no farm machinery is available.
- Number of books and latest editions of text books are insufficient.
- Digital library facility is not available to meet the need of the students and the faculty.
- No support staff (clerical and technical) is available.
- The faculty offices are not sufficient and not fully equipped.
- Faculty is dissatisfied with the terms and condition of their appointment.
- No research funds are available for the faculty.

Actionable Recommendations

- Immediate induction of highly qualified, experienced and **regular** faculty.
- Establishment of at least one (preferably two) functional Labs of Entomology.
- Creation of statutory bodies of the discipline.
- Provision of IT facilities, access to HEC digital library, textbooks and reference material for the Department and Agronomy discipline as well.
- Availability of experimental research farm with farm machinery and implements.
- Provision of at least three class rooms, seminar room, committee/conference room.
- Recreational as well as indoor/outdoor sports facilities for students.

- Infrastructure strengthening and up gradation like library, labs. Farm research area should be focused.
- Provision of scholarship facilities should be advertised at prominent places for information of students.
- Rules/regulations related to admission till the completion of degree should be made available to students and be followed in letter and spirit.
- Field visits should be made part of practical as university does not have proper research farm.

Final Recommendation

It is recommended that the accreditation of the degree program on entomology may be the present state of the Entomology Department may be declined. The University authorities need to take necessary steps in priority basis to meet the major evaluation criteria such as strength and quality of faculty, infrastructure and learning resources, curriculum duly approved by statutory bodies as well as text books and reference material.

The AIC may plan another visit after a period of one year for re-evaluation as well as rating in accreditation of entomology program.

Annexure-I**Name, Qualification and experience of faculty and support staff (Entomology Department)**

S.#	Name	Designation	Univ. Exper.	Experience other than university	Total experience
1	Dr. Shaukat Ali	Assistant Professor	05 Years & 8 Months (05 Years & 06 Months at South China Agricultural University; 02 Months at MNSUAM)	Nil	05 Years & 8 Months
2	Dr. Syed Usman Mahmood	Lecturer	03 Months (MNSUAM)	Nil	03 Months
3	Mr. Mudssar Ali	Lecturer	03 Months (MNSUAM)	03 Years (Agricultural Officer, Pest Warning and Quality Control of Pesticides)	03 Years & 03 Months
4	Ms. Hafiza Tahira Gul	Lecturer	06 Months (03 Months as Visiting Lecturer in B. Z. U. Sub Campus Layyah; 03 Months at MNSUAM)	Nil	06 Months
Supporting Staff					
1	Mr. Ansar Shahzad	Lab. Assistant	01 Year (MNSUAM)	Nil	01 Year

LIST OF EQUIPMENT AVAILABLE IN THE LAB of ENTOMOLOGY

S.No.	Name	Equipment	
		Quantity	Specification
1.	Stereoscope	1 No.	Digital Topex34
2.	Electronic Weighing Balance	1 No.	Mod Sartovirus
3.	Humidifier	1 No.	Boneco
4.	Microwave Oven	1 No.	Haier 112
5.	Compound Microscope	1 No.	Boneco
6.	PH Meter	1 No.	ORIENT
7.	Micro Pippets	1No	ORIENT
8.	Hot Air Heater	1 No.	National
9.	Rearing Cages	2 No.	For Rearing Insects
10.	Colour Digital Camera	1 No.	CANON
11.	Aerial Net	2 No.	For Insect Collection
12.	Aspirators	2 No.	For Insect Collection
13.	Pheromone Traps	2 No.	For Insect Collection
14.	Hand Lens	1 No.	CHINA
15.	Light Traps	1 No.	For Insect Monitoring
16.		Diff.	
	Pan Traps	Colours	For Insect Monitoring
17.	Dissection Boxes	2 No.	For Insect Dissection
18.	Entomological Pins	Different Numbers	CHINA
19.	Knapsack Sprayer	1 No.	CHINA
20.	ULV Sprayer	1 No.	CHINA
21.	Insect Collection Boxes	3 No.	For Insect Collection Demonstration