



ANNUAL REPORT 2014-2015

National Agriculture Education

Accreditation Council

of the

Higher Education Commission, Government of Pakistan

ABOUT NAEAC

National Agriculture Education Accreditation Council (NAEAC) was established in 2006 by Higher Education Commission (HEC) vide notification 1-4/AGR/QAA/2006-07 dated February 11, 2006 with the mandate to implement a comprehensive program of quality assurance and accreditation of agriculture degree programs in private and public sector agriculture education institutions in Pakistan.

Accreditation of degree programs is mandatory for all academic programs offered by public and private sector institutions. The purpose of such accreditation is to assure quality and enhance recognition of the education institutions among the agriculture community and prospective employers. All institutions in Pakistan which provide a recognized agriculture degree are required to apply to the Council to have their degree programs accredited. The NAEAC is responsible for the accreditation of educational degree programs in all 16 disciplines of agriculture reported in the bye-laws.

There is growing recognition of the importance of accreditation in developing countries to undertake quality assessment and improvement on continuing basis in order to sustain high standard of higher education. The countries and institutions which implement quality assurance program are able to produce graduates which are better qualified and more employable in a competitive market environment.

The major functions of the National Agriculture Education Accreditation Council are to:

- Plan and implement a comprehensive program of accreditation of agriculture programs leading to degrees/diplomas based on HEC approved standards, procedures and evaluation criteria, and publish a list of ranking of degree programs.
- Implement accreditation policies, processes, and procedures for selection of program evaluators.
- Approve the list of evaluators selected based on HEC approved criteria to participate in the process of accreditation of academic programs; and to constitute Accreditation Inspection Committees (AICs) from approved list of evaluators.
- Prepare and upgrade program evaluator's training manual/self-study material, questionnaire, forms and templates.
- Collect information and statistics on accredited programs of higher education of agriculture and its respective institutions and publish them as deemed necessary.
- Provide feedback to HEC and the heads of the agriculture higher education institutions on the quality and accreditation ratings of their programs and recommendations for improvement.

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ACRONYMS

AIC	Accreditation Inspection Committee
AWKUM	Abdul Wali Khan University Mardan
BOS	Board of Studies
BZU	Bahauddin Zakariya University
HEC	Higher Education Commission
HOD	Head of Department
IT	Information Technology
KPK	Khyber Pakhtunkhwa
LUAWMS	Lasbela University of Agriculture, Water & Marine Sciences
NAEAC	National Agriculture Education Accreditation Council
PE	Program Evaluator
PMAS AAUR	Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi
QAA	Quality Assurance Agency
QEC	Quality Enhancement Cell
R&D	Research and Development
SAR	Self Assessment Report
SWOT	Strengths, Weaknesses, Opportunities and Threats
TTS	Tenure Track System
UAF	University of Agriculture, Faisalabad
UAP	The University of Agriculture, Peshawar
UCA	University College of Agriculture

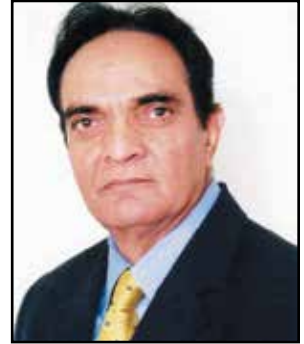
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Chairman's Message

It is my pleasure to submit the Annual Report of the National Agriculture Education Accreditation Council (NAEAC) for the fiscal year 2014-15.

I am pleased to report that the Council and its Secretariat staff continued to demonstrate strong commitment in the implementation of its annual work program. It is gratifying to note that by the end of FY 2014-15, the Council completed the external evaluation of the 27 agriculture education institutions which were fully operational by then, and offering B.Sc. and M.Sc. degree programs in one or more of the 16 different disciplines of Agriculture and Animal Sciences.



It is noteworthy that as of 30th June 2015, external evaluation and quality ratings of 231 degree programs at 27 agriculture education institutions has been completed and unanimously approved by the Council. The results of these ratings are however less gratifying. Overall, about 46 percent of the 231 degree programs offered are rated in less than satisfactory categories of Y and Z. This percentage is as high as 86 percent in the case of new agriculture institutions such as colleges, campuses, or faculties established over the past few years. The main reason for this poor quality rating of the degree programs is opening of the new institutions without adequate provision of qualified faculty and physical infrastructure such as lecture rooms, laboratories, experimental farms, etc. While the Council recognizes the need for better access to agriculture education, it believes that increased access should be consistent with the available resources and facilities. The reason for increase in the number of less than satisfactory ratings at the well-established Agriculture Universities is also due to significant increases in the annual intake of new students vis- a- vis the teaching-learning resources available.

The Council has been discussing these and other emerging issues of quality assurance with the Vice Chancellors, Deans, and Heads of Departments of the universities concerned with the objective to maintain a respectable standard of quality as well as the need to improve the quality of the degree programs rated in Y and Z categories. At the same time, it is issuing/ publishing "Parents Alerts" about the accreditation status of the existing agriculture education institutions and the ratings of degree programs they offer. The heads of the agriculture education institutions concerned equally share these concerns but express their constraints to mobilize additional resources. In a recent Council meeting held on October 26, 2015, it was agreed that Chairman, NAEAC would bring these issues to the attention of HEC management.

Last but not the least, I take this opportunity to acknowledge the guidance of the HEC Management and the excellent cooperation and support of the Vice Chancellors, the Deans, and HODs of agriculture institutions concerned including their QECs. I would also like to commend the excellent work of the external evaluators/experts, and the NAEAC Secretary and Staff for consistently demonstrating high standards of performance in achieving the annual operational targets and exercising due diligence and financial prudence in the use of human and financial resources.



Dr. M. E. Tusneem
Chairman, NAEAC

Executive Summary

The National Agriculture Education Accreditation Council (NAEAC) is mandated to carryout external evaluation leading to accreditation of agriculture degree programs (B.Sc. and M.Sc.) in all Agriculture Education Institutions of Pakistan. By 2013-14, first cycle of accreditation was completed covering 170 degree programs in the then 17 agriculture education institutions duly approved by HEC to award degree programs. The number of these institutions has since increased to 34.

During 2014-15, the Council carried out 13 on-site visits including 9 accreditation and 4 pre-accreditation zero visits. The on-site visits for external evaluation/accreditation were carried out at 9 institutions to evaluate 26 degree programs. These included three each at University of Swabi and Bacha Khan University, Charsadda, two at PMAS Arid University Rawalpindi, one each at University of Haripur and GC University Faisalabad, Layyah Campus, four at Muhammad Nawaz Sharif University Multan, three each at Abdul Wali Khan University Mardan and BZU Layyah and six degree programs at Lasbela University of Agriculture Water and Marine Sciences, Uthal, Balochistan.

The Council has so far evaluated 231 degree programs and plans to evaluate 50 degree programs during FY 2015-16. The Council's accreditation process is well defined and transparent carried out by the Accreditation Inspection Committees (AICs) of NAEAC comprising two Evaluators/Subject matter experts and Secretary of the Council based on the criteria set by HEC.

The Council is responsible to organize and deliver quality assurance and accreditation awareness seminars in the Agri. Education Institutions. The objective is to sensitize the academia, students and other stakeholders on the significance of quality improvement in higher education. During 2014-15, six awareness seminars were delivered at various institutions in KPK, Punjab, Balochistan and Sindh. These seminars were well attended and chaired by the Vice Chancellors and/or Deans of the institutions concerned. Four quality assurance awareness seminars are planned for FY 2015-16.

During 2014-15, three high level performance Review Meetings were held at the University of Agriculture Faisalabad, The University of Agriculture Peshawar, and PMAS Arid Agriculture University Rawalpindi. The objective of these meetings was to review the status of accreditation and evaluation ratings, progress on implementation of the AIC recommendations, need for quality improvement and adoption of best practices to improve the quality of nearly two-third of the degree programs rated in X3, Y and Z categories i.e. substandard.

The Council's roster of experts/external evaluators was updated to include new experts in various disciplines. The Evaluators/Experts are primarily drawn from the academia, agriculture research and development institutions as well as from agro industry. Presently, 113 experts/evaluators are on the roster of NAEAC representing some 16 disciplines of agriculture and livestock. CVs and contact addresses of these experts are available at NAEAC Secretariat. The Secretariat also produced annual report of NAEAC activities, quarterly progress reports and financial/audit reports.

I. Introduction

Quality Assurance in Higher Education is one of the three pillars i.e. Access, Quality and Relevance upon which the whole structure of the higher education is based. This has been highlighted in the Mid-Term Development Framework--the Road Map of the Higher Education Commission. Indeed, increasing access to higher education and ensuring its quality and relevance to the needs of the country are fundamental for achieving the outcomes of a knowledge based economy.

2. The issue of quality assurance in higher education is quite complex and needs clear comprehension and understanding by the academia and students. Generally speaking, 'Quality' is a relative term referring to the position of a particular outcome/output vis-à-vis predefined standards; in this case a set of prescribed standards by the Higher Education Commission of Pakistan (HEC). As such the Quality Assurance Program has three major components: (i) criteria and standards for various quality parameters in higher education, (ii) capacity building to ensure implementation of these criteria, and (iii) a system for regular internal and external monitoring of the higher education institutions in respect of the status of implementation of the quality criteria and control processes.

II. Accreditation Activities

3. The National Agriculture Education Accreditation Council (NAEAC) is mandated to carryout external evaluation leading to accreditation of agriculture degree programs (B.Sc. and M.Sc.) in all education institutions of Pakistan. During 2013-14, the first cycle of accreditation was completed with about 170 degree programs of already existing 17 agriculture institutions which had now increased to 34 institutions including the campuses offering at least one agriculture degree program.

4. During 2014-15, the Council carried out 13 on-site visits for 9 accreditation and 4 pre-accreditation/zero visits. A summary of the external peer review and accreditation of agriculture degree programs is as follows.

A. University of Swabi

5. University of Swabi being newly established is temporarily housed in a vocational school. The University has launched agri. degree programs in five disciplines of agriculture including Entomology, Agronomy, Plant Breeding and Genetics (PBG), Food Science and Horticulture. The Dean, Faculty of Sciences and Arts offered three degree programs for external review and evaluation. Accordingly three Accreditation Inspection Committees (AIC's) one each for Horticulture, Food Science, and Entomology visited University of Swabi on 20th November, 2014 for external review and evaluation of these programs.

(i) Degree Program in Entomology¹ (B. Sc.)

6. The AIC for Entomology assessed the degree program in the upper band of Z1 with 49% score implying that B.Sc. (Hons) degree program unsatisfactory and fails to meet some of the major criteria.

Weaknesses: (i) Lack of senior and experienced faculty, out of three faculty members one has only B.Sc. (Hons) degree; (ii) Inadequate space for laboratory, class rooms and faculty offices; and (iii) Lack of basic research facilities and teaching equipment.

AIC Recommendations: (i) Hiring of more senior as well as junior faculty members; (ii) Strengthening of infrastructure including essential lab. equipment; (iii) Establishment of at least two more labs on IPM and bio control; (iv) Arrangement of short-term and long-term training in IPM taxonomy, molecular biology and biotechnology areas; and (v) Senior faculty members to prepare project proposals for mobilizing external funding.

(ii) Degree Program in Horticulture² (B. Sc.)

7. Horticulture degree program was evaluated and found deficient in meeting major criteria for Strength & Quality of Faculty, Labs. and Lab. equipment and experimental farm facilities. The degree program was rated in lower band of Y3 with 52% score. AIC identified the following shortcomings in the program.

1 The AIC on Entomology comprised of Prof. Dr. Mian Inayatullah, Dean, Faculty of Crop Protection, The University of Agriculture Peshawar, Prof. Dr. Muhammad Naeem, Chairman Department of Entomology, PMAS AAU, Rawalpindi and Secretary NAEAC.

2 The AIC on Horticulture comprised of Prof. Dr. Noor-ul-Amin, The University of Agriculture Peshawar, Dr. Khalid Mehmood Qureshi, Sr. Director/CSO Horticulture, NARC, Islamabad and Secretary NAEAC.

Weaknesses: (i) Acute shortage of regular and senior faculty having adequate teaching experience with only two assistant professors (on-contract); (ii) Inadequate space for class rooms, laboratories and field work; (iii) Non-availability of nursery facilities both for fruit and ornamental, plants such as green house, shade house, plastic tunnels, lath house etc.

AIC Recommendations: (i) Appointment of four more faculty members on regular basis; (ii) Purchase of text books, reference books and journals; (iii) Improvement of experimental farms facilities; (iv) Access to digital library; and (v) Faculty development plan for junior faculty members.

(iii) Degree Program in Food Science³ (B. Sc.)

8. Based on the site visit and discussions with faculty and students, the AIC rated the program in category Y2 with 55% score given the following major shortcomings and strengths.

Weaknesses: (i) Serious shortage of Ph.D. qualified, senior and experienced faculty; (ii) Absence of Sensory evaluation lab for sensory food analysis experiments, existing labs have limited equipment for students practical; (iii) Lack of IT facilities and limited research and reference material.



AICs Visit to University of Swabi

AIC Recommendations: (i) Appointment of at least two senior Ph.D. qualified and experience teachers; (ii) The young and inexperienced faculty requires training in pedagogy, examination and grading system; (iii) Non-availability of some important labs including food sensory lab; and (iv) Limited number of recommended books related to the B.Sc. (Hons) courses.

³ The AIC on Food Science comprised of Prof. Dr. Alam Zeb, The University of Agriculture Peshawar and Secretary NAEAC.

B. Bacha Khan University, Charsadda

(i) Degree Program in Entomology⁴ (B. Sc.)

9. Department of agricultural sciences was established in 2011 as sub-campus of Abdul Wali Khan University, Mardan. The sub-campus was upgraded to Bacha Khan University, Charsadda in 2012 with 13 different teaching departments including agricultural sciences. B.Sc. (Hons) degree programs were launched in three disciplines of PBG, Agronomy and Entomology. The university has been recently established and its infrastructure is partially completed.

10. On-site accreditation visit was undertaken on November 27, 2014. Having been reviewed, Entomology degree program was found seriously deficient in meeting major criteria and rated in middle band of Y2 with 59% score. Major weaknesses include:

Weaknesses: (i) Inadequate faculty- just one regular assistant professor with few contractual teachers; (ii) Limited infrastructure with few class rooms and faculty offices; and (iii) Very limited text and reference books and IT facilities.

AIC Recommendations: (i) Teaching faculty may be strengthened immediately hiring three more senior teachers; (ii) Recommended text books should be provided in the library; (iii) Infrastructure including labs and lab equipment should be arranged early; and (iv) Adequate and well equipped faculty offices, class rooms and seminar rooms are required.

(ii) Degree Program in PBG⁵ (B. Sc.)

11. The program evaluators assessed that being newly initiated, the program has poor intake of only three students. It was rated in upper band of Y1 with 63% score i.e. not meeting some of the major accreditation criteria. It has following strength and weaknesses:



AICs Visit to Bacha Khan University, Charsadda

⁴ The AIC on Entomology comprised of Prof. Dr. Farman Ullah, The University of Agriculture, Peshawar and Secretary NAEAC.

⁵ The AIC on PBG comprised of Prof. Dr. Hidayat ur Rahman, The University of Agriculture, Peshawar and Secretary NAEAC.

Weaknesses: (i) Serious shortage of experienced and senior faculty; (ii) Limited infrastructure, no independent lab with adequate equipment, offices and seminar room; (iii) Lack of access to the international journals and reference material with few text and reference books; and (iv) Very low intake of students in B.Sc. (Hons) PBG.

AIC Recommendations: (i) Teaching staff grossly inadequate, need to provide two associate professors and one professor and two lecturers; (ii) Limited research facilities especially scientific equipment, instruments and chemicals; (iii) Lack of well-equipped green house and glass house facilities; (iv) Lack of seminar room, staff room with computer/internet facilities; and (v) Computer and internet facilities for the students may be upgraded and strengthened.

(iii) Degree Program in Agronomy⁶ (B. Sc.)

12. The program has enrollment of 31 students in major agronomy semesters (5th to 8th). Five out of six faculty members are Ph.D. but all are assistant professors level. During the on-site visit on November 27, 2014, the AIC has detailed discussion with the faculty and students as well as visit to labs, library and IT facilities.

13. Based on this review, the program was assigned evaluation rating in upper band of Y1 with 64% score embodying the following strength and weaknesses.

Strength: (i) Qualified teaching faculty of six assistant professors including five holding Ph.D. degree.

Weaknesses: (i) Insufficient and un-furnished faculty offices, lecture rooms, laboratories and library facilities; (ii) Limited IT facilities and insufficient text books; and (iii) Absence of well-developed and well equipped experimental farm.

AIC Recommendations: (i) Appointment of two professor and three associate professors; (ii) Infrastructure strengthening and up-gradation including library, labs and farm research area; (iii) Provision of at least three class rooms, seminar room, committee/conference room; (iv) Provision of IT facilities, access to HEC digital library; and (v) Field visits and study tours be made part of practical.

⁶ The AIC on Agronomy comprised of Prof. Dr. Shad Khan Khalil, The University of Agriculture, Peshawar and Secretary NAEAC.

C. PMAS Arid Agriculture University, Rawalpindi

(i) Degree Programs in Agri. Extension and Communication⁷ (B. Sc. & M. Sc.)

14. Arid Agriculture University was established in 1994. It was formerly Barani Agricultural College. Initially, the Agri. Extension course was offered as a supporting subject to the students of B.Sc. (Hons) Agriculture. In 2003, an independent Department of Agricultural Extension was established. Since then it is offering B.Sc. (Hons) degree. However, M.Sc. (Hons) degree in Agri. Extension was started in 2010. Although B.Sc. (Hons) degree program in agriculture extension is operating since more than one decade, however the students intake per year as well as the number of graduate students has been very low. The major reason being the absence of full time regular Ph.D. qualified and experienced faculty.

15. The AIC for Agri. Extension and Communication carried out on-site visit on December 29, 2014 and evaluated the degree programs of B.Sc. (Hons) and M.Sc. (Hons) in detail. It was assessed that this discipline is still deficient in meeting accreditation criteria, particularly the faculty and infrastructure related requirements. Hence, the programs were assigned evaluation rating in the lower band of Y3 with 51% score having following weaknesses.

Weaknesses: (i) Only one regular faculty member entirely depending on junior level inexperienced visiting faculty; (ii) Limited learning resources and facilities, lack of text and reference books; (iii) Inadequate infrastructure including Audio Visual (AV) lab, faculty offices and class rooms; and (iv) Quality of graduate research very poor and unsatisfactory due to absence of regular and senior faculty.

AIC Recommendations: (i) Induction of full time regular Ph.D. qualified and experienced faculty on priority basis; (ii) Urgent improvement of infrastructure including labs, faculty rooms, seminar rooms and IT facilities; (iii) The quality of graduate research needs substantial improvement; (iv) Board of Studies for the discipline may be constituted urgently to revise scheme of studies; (v) Purchase of recommended text books (only two books are available) and subscription of related journals; and (vi) Engagement of visiting faculty may be discouraged and restricted up to 20 percent.

⁷ The AIC on Agri. Extension and Communication comprised of Prof. Dr. Nowshad Khan, Dean Faculty of Agricultural Sciences, AIU, Islamabad, Prof. Dr. Fazal Karim Rajput, Professor of Agri. Extension (Ret.) and Secretary NAEAC.

D. University of Haripur

(i) Degree Program in Forestry and Wildlife Management⁸ (B. Sc.)

16. University of Haripur has setup discipline of forestry and wildlife management in the year 2012 in its newly established campus at Haripur which is under construction. AIC visited University of Haripur on March 13, 2015. Main focus of the discipline is to impart and promote education and research on the conservation and enhancement of forest and wildlife resources.

17. The AIC comprising two subject-matter specialists and duly approved by the competent authority visited the department on March 13, 2015. Having a detailed review of the forestry and wildlife management program, AIC unanimously recommended that the degree program of B.Sc. (Hons) may be rated in Y1 category with 63% score. The program HoD and Dean may be urged to make efforts for the up gradation of facilities and resources as well as strengthening of the faculty on regular basis. Following strength and weaknesses were delineated.

Strength: (i) Well-designed curriculum in line with HEC approved guidelines.

Weaknesses: (i) All the faculty of 8 members on contract basis and mostly of lecturer level; (ii) Non-availability of Labs and equipment; (iii) Non-existence of well-developed and planned plant nursery; and (iv) Lack of latest editions of text books. Few books of old editions No books on wildlife management.

AIC Recommendations: (i) Strengthening of existing lab system of forestry & wildlife management; (ii) Purchase of latest editions of books, more books including books on wildlife management; (iii) Establishment of a modern and scientific plant nursery; (iv) Senior faculty positions of professors and associate professors may be created for teaching and research; and (v) Arrangement of well-planned study tours for exposure of students.

⁸ The AIC on Forestry and Wildlife Management comprised of Dr. Sarwat Naz Mirza, PMAS AAU, Rawalpindi, Dr. Mamoonah Wali Muhammad, Pakistan Forest Institute, Peshawar and Secretary, NAEAC.

E. Govt. College University Faisalabad Sub-Campus, Layyah

(i) Degree Program in Food Science and Nutrition⁹ (B. Sc.)

18. The Govt. College University, Faisalabad has established a sub-campus at Layyah through private-public venture in 2012. Food Science degree program was initiated with the inception of the campus. Although, having intake capacity of 50 students, only 25 students were enrolled with present enrollment of 125 students. Currently, only three faculty



AICs Visit to GCUF Sub-Campus, Layyah

members who are not only on contractual basis but also non-Ph.Ds. with negligible teaching experience. The Food Science department is making multiple use of class rooms as well as labs. Labs have very limited and basic equipment and the most needed equipment is unavailable.

19. In view the status of existing faculty and availability of infrastructure including labs, class rooms, faculty offices as well as learning resources, books and IT facility. The AIC assigned score of 53% in the rating category of Y3 with following strength and weaknesses.

Weaknesses: (i) Insufficient faculty of three non-Ph.D. lecturers on contractual appointment with negligible teaching experience; (ii) Non-existence of statutory bodies of the discipline; and (iii) Lack of office and laboratory space and needed equipment.

AIC Recommendations: (i) Teaching faculty may be strengthened with three more Ph.D. experienced teachers; (ii) Library books, access to HEC digital library, textbooks and reference material are needed; (iii) Lack of needed labs and lab equipment; (iv) Independent faculty offices are needed to promote teaching-learning environment; and (v) Involvement of HoD in the scheme of studies and board of studies matters.

⁹ The AIC on Food and Nutrition comprised of Prof. Dr. Saeed Akhtar Sheikh, BZU, Multan and Secretary NAEAC.

F. Muhammad Nawaz Sharif University of Agriculture, Multan

20. The Higher Education Commission granted institutional NOC to the University after the visit on 6th February, 2015. Under-graduate classes of newly established Muhammad Nawaz Sharif University of Agriculture were started at the Bahauddin Zakariya University campus on 7th August, 2012. Now, the university has been shifted to its newly established campus situated at old Shujabad road Multan on 13th January, 2014. Currently, degree programs are being offered in four major disciplines including Agronomy, PBG, Entomology and Soil Science. Three batches of students have been admitted so far and the total enrollment is 502. The university started agricultural entomology discipline in 2015 with 20 students.

(i) Degree Program in Entomology¹⁰ (B. Sc.)

21. The AIC reviewed the B.Sc. (Hons) degree program in entomology and recommended that the accreditation of the degree program in Entomology in its present state cannot be undertaken as it does not meet even the basic criteria of faculty and infrastructure. The university authorities need to take necessary steps on priority basis to meet the basic 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 program was arbitrarily rated in Y2 category with the following weaknesses highlighted.

Weaknesses: (i) No senior, experienced and Ph.D. qualified faculty except one; (ii) Inadequate Lab. and controlled condition facilities; (iii) Experimental farm is not developed and no farm machinery is available; and (iv) Digital library facility is unavailable.

AIC Recommendations: (i) Strengthening of faculty with at least one professor and two associates on regular basis; (ii) Up gradation of lab with needed equipment; (iii) Statutory bodies of the discipline to be constituted; and (iv) Two more class rooms, seminar room, committee/conference room etc.

(ii) Degree Program in PBG¹¹ (B. Sc.)

22. Based on an in-depth review of the program on March 19, 2015, it was rated in middle band of Y2 having 59% score with following strength and weaknesses.

Weaknesses: (i) Induction of current faculty on contract on purely temporary basis; (ii) Absence of well-equipped PBG lab as well as research farm and greenhouses

10 The AIC on Entomology comprised of Prof. Dr. Muhammad Aslam, BZU, Multan and Secretary NAEAC.

11 The AIC on PBG comprised of Dr. Rao Abdul Qayyim, BZU, Multan and Secretary NAEAC.

etc; and (iii) Nonexistence of statutory bodies such as Board of Studies.

AIC Recommendations: (i) Three more Ph.D. qualified, experienced and regular faculty; (ii) Creation of statutory bodies of board of studies, faculty board etc; (iii) At least three class rooms, seminar room, committee/conference room; and (iv) Two independent and functional labs.



AICs Visit to M. N. S. University of Agriculture, Multan

(iii) Degree Program in Agronomy¹² (B. Sc.)

23. AIC assessed that there is need for appointment of the senior, experienced faculty as well as junior faculty on TTS/BPS basis, establishment of the research labs, provision of latest books access to digital library, internet facilities and subscription of HEC recognized national/international journals etc. Agronomy program was rated in the middle band of Y2 with 52% score showing following weaknesses.

Weaknesses: (i) No senior, experienced faculty; (ii) Inadequate laboratory equipment; (iii) Latest editions of text/reference books insufficient; and (iv) The faculty offices are small and inadequate.

AIC Recommendations: (i) One Ph.D. qualified, experienced professor and two associate professors may be inducted; (ii) Two more class rooms, seminar room, committee room is required; (iii) Availability of indoor/outdoor sports facilities for students; and (iv) Up-gradation of experimental research farm fully equipped with farm machinery and implements.

(iv) Degree Program in Soil Science¹³ (B. Sc.)

24. Degree program faces serious shortage of teaching faculty, inadequate labs, greenhouses and other teaching-learning resources and facilities. Hence, it was rated in category Y2 of NAEAC evaluation rating with 59% score indicating following strength and weaknesses.

¹² The AIC on Agronomy comprised of Prof. Dr. Muhammad Bismillah Khan, BZU, Multan and Secretary NAEAC.

¹³ The AIC on Soil Science comprised of Dr. Moazzam Jamil, UCA, Bahawalpur and Secretary NAEAC.

Weaknesses: (i) Grossly insufficient Ph.D. qualified and experienced teaching faculty; (ii) Absence of well-equipped Soil Science lab for undergraduate teaching; and (iii) Very few prescribed text books, reference books.

AIC Recommendations: (i) Establishment of at least two functional labs; (ii) Appointment of highly qualified, experienced and regular faculty; (iii) Provision of experimental research farm with farm machinery and implements; (iv) Arrange at least three class rooms, seminar room; (v) Access to HEC digital library with more textbooks and reference material; and (vi) Recreational as well as indoor/outdoor sports facilities for students.

G. Bahauddin Zakariya University (BZU) Bahadar Campus, Layyah

25. BZU Bahadar Campus, Layyah was established in 2009 as an off-campus of BZU, Multan. The Campus offers programs in MBA, Agriculture, M.A. (Economics, English and Psychology). Distance Learning programs are also launched by the Campus. The sub-campus does not own a permanent administrative set up. A full time Assistant Professor at the College of Agriculture, BZU, Multan is deputed as Principal/Director of Bahadar Campus, Layyah.

(i) Degree Program in Agronomy¹⁴ (B. Sc.)

26. Agronomy degree program at the Bahadar Campus, Layyah is at infancy stage and classes in agronomy major started only during previous semester in 2015. After a review of the teaching facilities and the available faculty, it is recommended that a senior faculty in agronomy may be appointed on regular basis to implement and guide the program properly. The administrative and academic issues pertaining to the smooth functioning of the campus may be resolved on priority basis. Program is rated in the lower band of X3 with 67% score identifying following strength and weaknesses.

Strength: (i) The entire faculty in Agronomy holds Ph.D. degree and potential for teaching.

Weaknesses: (i) Absence of senior and experienced faculty; and (ii) Shortage of farm machinery and implements including latest farm equipment.

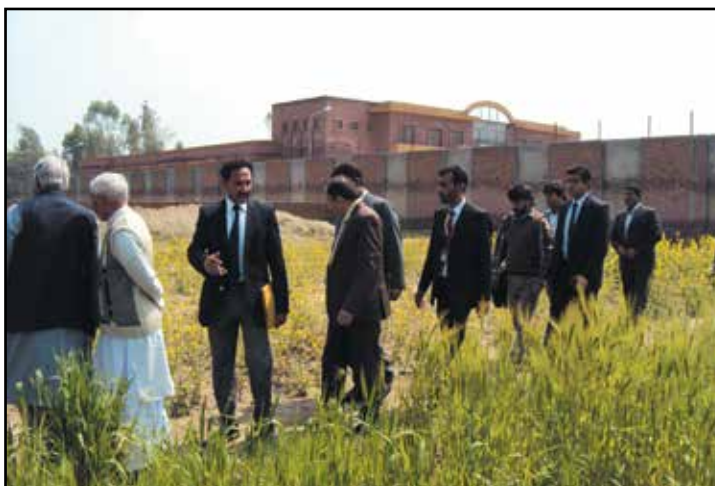
AIC Recommendations: (i) Posting of full time regular professor as Principal/Director of Bahadar Campus; (ii) Development of Res. farm facilities; (iii) Procurement of farm machinery and implements on priority basis; and (iv) Upgradation of undergraduate agronomy lab.

14 The AIC on Agronomy comprised of Prof. Dr. Abdul Khaliq, UAF, Faisalabad and Secretary NAEAC.

(ii) Degree Program in Entomology¹⁵ (B. Sc.)

27. Bahauddin Zakariya University Bahadar Campus, Layyah was visited on March 18, 2015. B.Sc. (Hons) Agricultural Entomology is being offered in the sub-campus. There is only one class, i.e. 6th semester, of specialization. Degree program in entomology was offered without induction of full time senior and regular faculty of adequate strength.

28. Existing labs are inadequate to meet the present requirements of the six semester students. Very few recommended text books, limited space for faculty offices and undeveloped experimental research farm. The AIC assessed the program at 58% score with category Y2 rating not meeting some of the major criteria for accreditation with following weaknesses.



AICs Visit to BZU Bahadar Campus, Layyah

Weaknesses: (i) Shortage of full time regular, senior and experienced faculty; (ii) Laboratory equipment is grossly inadequate to meet the demand of the major subject; and (iii) Faculty offices and class rooms insufficient and ill- equipped.

AIC Recommendations: (i) Hiring of senior Ph.D. qualified, regular faculty of at least five members; (ii) Establishment of two well-equipped entomology labs, and insectary; (iii) Faculty development program should be initiated for new faculty members; (iv) Purchase of two sets of latest edition of prescribed text books and reference books; and (v) Induction of qualified technical staff for labs and farm.

(iii) Degree Program in Horticulture¹⁶ (B. Sc.)

29. The Horticulture major program at the Bahadur Campus, Layyah is in its first year and has several weaknesses. No senior faculty, professor or associate professor, is recruited. Board of Studies for horticulture program is not constituted. Limited textbooks in library. No independent laboratory, and only one lecture room in this discipline. Similarly, lab technicians

15 The AIC on Entomology consisted of Prof. Dr. Muhammad Aslam, BZU, Multan, Prof. Dr. Ghulam Jilani, LUAWMS, Uthal and Secretary NAEAC.

16 The AIC on Horticulture consisted of Dr. Muhammad Jafar Jaskani, UAF, Faisalabad and Secretary NAEAC.

and field assistants are not deployed. Experimental research area is underdeveloped and under staffed. There is need to establish orchards and nurseries to work as field labs and community services.

30. In view the available teaching facilities and resources, it is recommended that horticulture degree program may be rated in the upper band of Y1 having 63% score with following strength and weaknesses.

Strength: (i) The faculty (3 Assist. Prof.) are Ph.D. having exposure and experience of training abroad.

Weaknesses: (i) Absence of senior faculty in horticulture program; (ii) Underdeveloped experimental orchards; (iii) No separate and well-equipped lab for horticulture; and (iv) No independent Board of Studies.

AIC Recommendations: (i) Senior faculty, Professors and Associate Professors, may be recruited on full time basis; (ii) Faculty may also be appointed on regular basis; (iii) The experimental field area may be developed especially establishment of orchards and nursery; (iv) Establish independent well-equipped and functional horticulture labs for pomology, olericulture and floriculture; and (v) Lab technicians/field assistants and technical supporting staff may be recruited.

H. **Abdul Wali Khan University, Mardan**

31. Abdul Wali Khan University Mardan (AWKUM) established in 2009, has eight campuses throughout the province. In AWKUM garden campus, 26 different departments have been launched and the university has 7000 students out of which 150 are enrolled in Ph.D. The Agriculture department was first started in 2010 at Ambar, Swabi as it was a sub-campus of AWKUM. When Ambar, Swabi was declared as independent University, AWKUM commenced agriculture classes at sub-campus Shankar, Mardan in 2012. Recently, in 2015, the department has shifted to newly constructed building called Garden Campus. The agriculture department of the university is offering specialization in agronomy, food science & technology and horticulture.

(i) **Degree Program in Horticulture¹⁷ (B. Sc.)**

32. Based on day-long exhaustive review of the program, the AIC agreed to assign score of 52% with evaluation rating of 'Y3' not qualifying for accreditation as the program does not

17 The AIC on Horticulture consisted of Prof. Dr. Noor-ul-Amin, The University of Agriculture, Peshawar and Secretary NAEAC.

meet most of the major criteria required for accreditation. Major strength and weaknesses of the program are as under.

Weaknesses: (i) Acute shortage of full time, regular and senior faculty; (ii) Grossly insufficient prescribed text books and reference books.; and (iii) Non availability of Lab and greenhouse facilities.



AICs Visit to Abdul Wali Khan University, Mardan

AIC Recommendations:

(i) Induction of senior Ph.D. qualified regular faculty of at least four members; (ii) Establishment of well-equipped horticulture labs, greenhouses and plant nurseries; (iii) Faculty development program should be initiated for new faculty members; (iv) Strengthening of IT facilities and learning resources as well as access to HEC digital library; (v) MOUs may be signed with various research organizations so that access to their resources may be ensured; and (vi) Induction of qualified technical staff for labs and farm.

(ii) Degree Program in Agronomy¹⁸ (B. Sc.)

33. The university is offering specialization in Agronomy, Food Science & Technology and Horticulture. First enrollment was made in Fall 2012 with current student strength of 157. The department of Agronomy has enrolment of 12 students in sixth semester. Having shifted to the new building at garden campus, the discipline lacks requisite facilities and resources to become fully operational. Class rooms are being shared. The faculty offices are still in construction/ furnishing stage.

34. AIC reviewed the program and concluded that it hardly meets any of the four major criteria laid down by the NAEAC/HEC. Hence, it has been assessed at 51 percent score in the evaluation rating of 'Y3' and is required to upgrade resources and facilities and strengthen the faculty on priority basis. Following strength and weaknesses were delineated.

¹⁸ The AIC on Agronomy consisted of Prof. Dr. Shad Khan Khalil, The University of Agriculture, Peshawar and Secretary NAEAC.

Weaknesses: (i) Grossly insufficient full time qualified and experienced teaching faculty; (ii) Inadequate and unfurnished offices, lecture rooms etc; and (iii) Absence of well-equipped agronomy labs.

AIC Recommendations: (i) Hiring of highly qualified, experienced and regular faculty; (ii) Establishment of at least one (preferably two) functional labs; (iii) Provision of experimental research farm with farm machinery and implements; and (iv) Allotment of “major” after 4th semester should be done purely on merit and as per student choice.

(iii) Degree Program in Food Science and Technology¹⁹ (B. Sc.)

35. The food science as major has been started with very low intake of only three students and limited facilities although it has been accommodated in newly constructed building of the new campus. The students are studying courses on confectionary and bakery etc but there is not even a signal FST Lab. equipped with Food processing equipment and tools.

36. The AIC viewed that FST degree program has been initiated without the proper availability of faculty, good infrastructure as well as teaching learning resources and facilities. Not to speak of minor criteria, the program does not even meet any of the four major criteria of external assessment and accreditation. Thus, it was rated in category ‘Y3’ of evaluation and assigned score of 50 percent with the suggestion to revisit the program after one year. The following weaknesses were identified.

Weaknesses: (i) Acute shortage of regular and senior faculty with tangible teaching experience; (ii) Non-availability of food science lab including food processing, food analysis and sensory evaluation; (iii) Not even a signal prescribed text book is available; and (iv) Grossly inadequate faculty offices with insufficient facilities.

AIC Recommendations: (i) Appointment of 3 Ph.D. and 2 M.Sc. (Hons) qualified and experienced faculty; (ii) Immediate purchase of all relevant tools, utensils and containers for food processing practical; (iii) More new latest books and journals and equipment are required. Purchase of food science books on priority basis; (iv) Food science discipline may be upgraded to full-fledged teaching department; and (v) Arrangements for study tours for students, linkages with food industry and participation in seminars/conferences.

19 The AIC on Food Science and Technology consisted of Prof. Dr. Alam Zeb, The University of Agriculture, Peshawar and Secretary NAEAC.

I. Lasbela University of Agriculture, Water and Marine Sciences, Uthal

(i) Degree Program in Agronomy²⁰ (B. Sc.)

37. The degree program in agronomy, faculty of agriculture, LUAWMS, Uthal was started in 2006. Department of agronomy has no permanent set up as it is situated in old building of a textile mill. Since its establishment, 35 students pursued agronomy degree program in the 5th semester. Based on the review and assessment of available faculty, infrastructure, facilities and resources the AIC assessed B.Sc. (Hons) agronomy program in category Y2 with score of 59% implying the program has to be revisited with in a period of one year. AIC noted following strength and weaknesses of the B.Sc. (Hons) agronomy program.

Weaknesses: (i) Faculty needs to be strengthened including more Ph.D. and senior teachers; (ii) Very limited IT facilities, reference material and few books; and (iii) More class rooms are required along with multimedia facilities.

AIC Recommendations: (i) B.Sc. (Hons) program should induct senior and experienced faculty in agronomy; (ii) Lab and farm facilities need to be further developed to provide sound base for practical training of students; (iii) Strengthening and upgrading of IT facilities and other learning resources; (iv) Recruitment of technical and supporting staff based on relevant qualification; and (v) Provision of more faculty offices, class rooms and common room etc.



AICs Visit to LUAWMS, Uthal

(ii) Degree Program in Entomology²¹ (B. Sc.)

38. Entomology as major was initiated in the year 2006 and it offers B.Sc. (Hons) in Entomology. There is only one class with a capacity to accommodate 20 students. The university authorities need to take necessary steps on priority basis to meet the major evaluation criteria

20 The AIC on Agronomy were comprised of Prof. Dr. Shamsuddin Tunio, Sindh Agriculture University, Tandojam, Prof. Dr. Muhammad Ibrahim Keerio, Sindh Agriculture University, Tandojam and Secretary NAEAC.

21 The AIC on Entomology consisted of Prof. Dr. Ghulam Hussain Abro, Sindh Agriculture University, Tandojam and Secretary NAEAC.

such as strengthening and quality of faculty, infrastructure and learning resources, as well as text books and reference material.

39. The external evaluation assessment of the degree program in Entomology suggests evaluation rating of this program in category Y2 with 57% score. The major weaknesses identified are:

Weaknesses: (i) Inadequate lab and controlled condition facilities; (ii) Number of books and latest editions of text books are insufficient; and (iii) Insufficient faculty offices not well equipped.

AIC Recommendations: (i) More Ph.D. teachers be inducted on regular basis; (ii) Newly constructed labs to be functional with needed equipment; (iii) Textbooks, reference material and HEC digital library is required; (iv) Field visits and study tours should be made part of practical; and (v) Improvement of experimental research farm with farm machinery and implements.



AICs Visit to LUAWMS, Uthal

(iii) Degree Program in Plant Breeding and Genetics (PBG)²² (B. Sc.)

40. Major in Plant Breeding and Genetics was started since September, 2014. New Classrooms and laboratories are under construction and are going to be shifted in near future. Currently, 14 students are enrolled in the PBG program.

41. The Accreditation Inspection Committee (AIC) assigned 63% and rated the program in Y1 category with following strength and weaknesses.

Weaknesses: (i) Lack of qualified senior professors & associate professors and experienced teaching staff; (ii) Lack of well-equipped PBG Laboratory for undergraduate teaching; (iii) Unfurnished offices and lecture rooms etc; and (iv) Nonexistence of statutory bodies i.e. Board of Studies (BOS) and Faculty Board.

22 The AIC on PBG consisted of Dr. Liaquat Ali Bhutto, Sindh Agri. University, Tandojam and Secretary NAEAC.

AIC Recommendations: (i) Appointment of professor/associate professor level faculty; (ii) Two functional labs in new constructed building are essential; (iii) Statutory Bodies of BoS and faculty board may be constituted; (iv) Provision of spacious faculty offices and at least two well-equipped class rooms; and (v) Experimental research farm be developed with latest farm machinery and implements.

(iv) Degree Program in Horticulture²³ (B. Sc.)

42. Degree program in horticulture was launched in 2007 and offers four years of B.Sc. (Hons) program. Since its establishment, two batches have graduated. The department has five faculty members, including one assistant professor, working on Tenure track system (TTS). Currently, twenty three (23) students are studying in horticulture as major in 7th and 8th semester.

43. Based on the external review, horticulture degree program has been assigned aggregate score of 59 percent indicating Y2 category of evaluation. It also reflects that the program does not qualify for accreditation as it fails to meet some of the major external evaluation criteria due to following strength and weaknesses.

Weaknesses: (i) Lack of senior and highly qualified teaching faculty; (ii) Non-availability of labs and needed lab equipment; and (iii) Limited number of text books with no journals and reference material.

AIC Recommendations: (i) Ph.D. qualified senior and full time regular faculty members, including professor (1) and associate professors (2) on regular basis; (ii) A separate, well equipped laboratory with latest instruments is required; (iii) Appointment of well skilled and technically sound staff; (iv) More furnished faculty offices and well-equipped class rooms are needed; and (v) Need to establish experimental orchard and certified nursery.

(v) Degree Program in Soil Science²⁴ (B. Sc.)

44. The Department of soil science was established by the LUAWMS, Uthal on May 8, 2012 under the faculty of crop and plant sciences. It offers graduate degree program in soil science discipline. The number of students registered in the soil science department during 2012 and 2013 (5th Semester) was 06 and 08, respectively. Out of four teaching faculty members

23 The AIC on Horticulture consisted of Dr. Niaz Ahmed Wahocho, Sindh Agriculture University, Tandojam and Secretary NAEAC.

24 The AIC on Soil Science consisted of Prof. Dr. Inayatullah Rajpar, Sindh Agriculture University, Tandojam and Secretary NAEAC.

one is holding Ph.D. in Agronomy. Whereas two faculty members are simply graduates and hold B.Sc. degrees.

45. The AIC on the basis of external review of the soil science program, assigned 56% score and rated in category Y1 indicating that degree program does not meet some of the major criteria embodying following strength and weaknesses.

Weaknesses: (i) Shortage of highly qualified and experienced teachers; (ii) Shortage of laboratory, field and survey equipment; (iii) Shortage of text and reference books; and (iv) Shortage of classrooms with audiovisual aids and multimedia facilities.

AIC Recommendations: (i) Induction of permanent/regular highly qualified faculty to HEC criteria; (ii) Appointment of experienced technical support staff and arrange trainings for them; (iii) Purchase needed equipment for research and teaching labs; (iv) Counseling and encouraging students by offering need-based and merit scholarships; (v) Organize field visits for students and faculty members; and (vi) Encourage faculty members to conduct research and participate in national conferences/seminars.

III. Pre-Accreditation/Zero Visits

46. Awarding degrees against an unaccredited or conditionally accredited program create problems for the graduating students when they seek to compete in the job market against those having degrees of duly accredited programs. Such situations drag the Councils as well as HEC into litigation where precious time and resources are wasted. It is therefore important that HEC should make their NOCs contingent upon the evaluation of proposed degree programs by the Accreditation Council concerned.

47. The Accreditation Council would ensure that no degree program without qualified and adequate faculty and minimum teaching infrastructure and resources is initiated as per HEC criteria.

48. It should be mandatory for any department/institution to seek clearance of the concerned Accreditation Council before initiating a new program. The Department should be required to apply to the Council six months before the planned date of starting the classes. The clearance will be granted on the basis of satisfactory preparation for the conduct of the degree program in terms of teaching and physical facilities.

49. Such clearance will be based on pre-accreditation/zero visit by the concerned Council. The process offers new institutions programs the opportunity to establish a formal and

publicly recognized relationship with the HEC Accreditation Council and to become familiar with the accreditation requirements.

1. Launching of Seed Science Degree Program, University of Agriculture, Faisalabad

50. Department of Plant Breeding and Genetics (PBG) of University of Agriculture Faisalabad has launched an interdisciplinary 4-years B.Sc. (Hons) degree program in seed science and technology from September, 2014. A pre-accreditation zero visit was carried out by NAEAC team headed by Chairman of the Council. Department of PBG convened a meeting of all concerned disciplines associated with the newly initiated interdisciplinary degree program.

51. Chairman NAEAC briefed the participants about the need for accreditation and the importance of ensuring that minimum teaching and physical facilities for the program are met. He said that the recommendations of the AIC of NAEAC should be implemented prior to the introduction of the new programs.

52. The Chairman NAEAC proposed to include courses of horticulture like floriculture, seed and nursery development of fruit plants and emphasized to establish such system that the seed and/or planting material of different field crops and fruit plants could be certified. This course should help promote the production of quality seed and planting material.

53. He appreciated the idea of launching this new degree program and hoped that it will contribute significantly to solve problems of stakeholders in seed industry and those of the farmers as well. After briefing, NAEAC team visited the new site of the laboratories being established for this degree program and appreciated efforts made by the department of PBG.

AIC Assessment: (i) Seed Science and Technology, an interdisciplinary 4-years B.Sc. (Hons) program has been launched in September, 2014; (ii) Teaching Faculty for various associated disciplines is available; (iii) The proposed program has adequate infrastructure in terms of class rooms, faculty offices, etc.; (iv) Six seed science laboratories are planned to be established on a covered area of 3,000 square feet; and (v) Scheme of studies of the seed science B.Sc. (Hons) degree program is finalized and approved by the statutory bodies.

AIC Recommendations: (i) Include courses on horticulture like fruit trees, floriculture, seed production and nursery development of fruit plants; (ii) Establish a system that will certify the seed of different field and fruit crops from UAF; (iii) Measures to be adopted for the establishment of certified seed plant nurseries in accordance with the recently legislated Seed Act; and (iv) Seed Science labs to be established at the earliest and for the Collaborative interdisciplinary degree program.

2. UAF Sub-Campus, Burewala-Vehari

54. UAF Sub-Campus Burewala-Vehari was established on 13th February 2013 at Chak No. 427/EB, Burewala, district Vehari on an area comprising 131 acres. Civil works at the site are in progress. The classes have been initiated at the already-existing building of the Regional Agricultural Economic Development Center (RAEDC) Vehari, where first batch of B.Sc. (Hons) Agricultural Sciences is in its initial stage and have completed two semesters. In addition to academic activities, limited research work has also been started.

i. Agronomy Program

55. Teaching Faculty consists of one assistant professor with Ph.D. and one lecturer. Two common labs for all disciplines of agriculture with limited equipment are already in place. Class rooms are ill-equipped and shared with other programs. There are only few text books in the library with little or no reference material.

AIC Assessment: (i) Serious shortage of faculty; (ii) Inadequate class rooms are ill-equipped; and (iii) Lack of agronomy labs and lab equipment.

AIC Recommendations: (i) Recruitment of at-least 3-4 faculty members with Ph.D. having adequate teaching experience; (ii) Adequate lecture rooms with appropriate size and equipment, multimedia; (iii) At least two well-equipped agronomy labs; and (iv) Access to HEC digital library. The agronomy program in its present state is not ready for accreditation.

ii. Horticulture Program

56. The first batch of 84 students was admitted to B.Sc. (Hons) Agriculture during the academic session 2013. The student number was increased to 104 in the next academic session (2014). The main problem in initiating Horticulture Specialization in 3rd year of B.Sc. (Hons) Agriculture is shortage of faculty. There is neither dedicated class room nor laboratory for Horticulture. There is only one common laboratory for all disciplines. Only few and old books on Horticulture are available.

AIC Assessment: (i) Shortage of teaching faculty; (ii) No class room designated for Horticulture discipline; and (iii) Few old books in library and other allied internet facilities are insufficient.

AIC Recommendations: (i) Two more full time regular teachers with minimum Ph.D. qualification; (ii) Spacious and well equipped class rooms; and (iii) Minimum two sets of recommended text and reference books and adequate internet facilities may

be provided. The program in its present state not ready for accreditation.

iii. Soil Science Program

57. Serious shortage of faculty in Soil Science is the main constraint in initiating the major classes. Laboratory facilities are satisfactory required for undergrad students. However, class rooms and laboratories need further improvement. Outdated/old HEC curriculum is being followed, which doesn't match with the recently approved curriculum. Text books and reference books are few in number.



AICs Visit to UAF Sub-Campus, Burewala

AIC Assessment: (i) Serious shortage of faculty members; (ii) Class rooms and laboratories are inadequate; (iii) Lack of IT facilities for students; and (iv) Outdated/old HEC curriculum is being adopted.

AIC Recommendations: (i) Recruitment of competent faculty of at-least four regular teachers; (ii) Availability of class rooms and establishment of at-least two functional labs; and (iii) Implementation of current HEC curriculum. The program in its present state is not ready for accreditation.

3. Food Science Degree Program of Jinnah University for Women, Karachi

58. NAEAC team conducted pre-accreditation or zero visit of Food Science degree program of Jinnah University for Women on 21 May, 2015. Jinnah University for women has initiated BS (Hons) 4-years Food Science degree program since 2013-14. So far, 140 students have been enrolled during the last two years. Teaching faculty consists of four out of six junior young master degree holder lecturers with negligible teaching experience of less than two year with only two senior faculty members possessing Ph.D. qualification but on contractual and visiting basis. Establishment of Food Science labs are in progress. Availability of recommended text books may be ensured. Class rooms and faculty offices are inadequate. Students support and facilities also require up-gradation.

AIC Assessment: (i) Four out of six are junior young Master degree holder lecturers with negligible teaching experience of less than two years; (ii) PhD qualified faculty members are working on contract and visiting basis; (iii) Lack of regular faculty of senior level; (iv) No proper established food science lab; and (v) Insufficient textbooks and reference material.

AIC Recommendations: (i) Regular Ph.D. qualified faculty with rich experience must be hired; (ii) Expedite the work of establishment of food science lab; (iii) Class rooms and faculty offices need improvement; (iv) Availability of recommended text books may be ensured; and (v) Students support and facilities require up-gradation. The program in its present state is preparing and strengthening its resources and facilities for accreditation.

IV. Review Meetings with Institutions

59. At the 10th Council Meeting held on September 15, 2014. The Chair highlighted the issue of less than satisfactory quality of degree programs at most of the agricultural universities, campuses and colleges in Pakistan based on the results of external evaluation and accreditation ratings of 205 degree programs undertaken by NAEAC during the past six years (2008-09 to 2013-14). He noted that about 40 percent of the degree programs offered by all the agriculture education institutions are rated substandard and need major improvements in quality. These programs failed to meet some of the major criteria and were rated in X3, Y and Z categories. The Chair further noted that majority of substandard programs were at the new universities, campuses and colleges. The feedback from employers of the public and private sector agencies also indicated increasing decline in the quality of recent graduates. The Council members discussed these concerns in detail during the meeting and urged NAEAC to approach the Vice Chancellors and Deans to discuss the issue and measures to improve the quality and the evaluation ratings.

60. In this context, the Chairman, NAEAC proposed to hold review meetings with the VCs, Deans, Directors and Heads of the Departments of concerned institutions to deliberate on the issues and make recommendations to address the quality concerns of NAEAC/HEC in the light of the accreditation ratings of the degree programs completed by NAEAC during the period 2008-09 to 2013-14.

61. It was agreed to hold meetings with the Deans, Directors and HODs of concerned disciplines to review the implementation of the current status of accreditation recommendations made for improvement of the quality of the degree programs in terms of teaching faculty, curriculum, infrastructure, teaching-learning resources and other needed facilities and the actions taken by the institutions concerned as well as the problems of newly established institutions.

In this connection, review meetings were held at the following three universities during 2014-15.

i. University of Agriculture Faisalabad (UAF)

62. First review meeting was held at UAF on 7th March, 2015 with the collaboration of Dean Faculty of Agriculture and Director Quality Enhancement Cell. It was co-chaired by the Chairman, NAEAC and Dean Faculty of Agriculture; and attended by the HoDs of all 13 disciplines offering 26 degree programs (B.Sc. & M.Sc.) already reviewed and evaluated



Review Meeting at University of Agriculture, Faisalabad

by NAEAC during 2008-09 to 2013-14. All the HoDs made presentations on the strengths and weaknesses of their programs and highlighted the implementation status of the NAEAC recommendations for quality improvement. It was noticed that majority of the disciplines had made satisfactory progress in faculty strength. However, there is need to do more in the area of infrastructure especially the class rooms and labs. The annual increase in the students intake was considered a major factor for quality decline and dilution of resources. It must be discouraged and should not be made a criterion for funding by HEC. Overcrowding of students in the class rooms and labs adversely affect teaching-learning processes and deteriorate the quality of education. Chairman NAEAC urged the Dean and HoDs to strive for the improvement in the rating of the agriculture programs to target W and X categories and upgrade those in Y category to at-least X2.

ii. The University of Agriculture, Peshawar (UAP)

63. Review meeting at the UAP was held on 25th March, 2015 with the collaboration of Deans of Crop Protection, Crop Production and Livestock Management in the committee room of Vice Chancellor. Meeting was co-chaired by VC, UAP and Chairman, NAEAC and attended by the Deans and HoDs of all 14 disciplines with 28 degree programs in addition to the Director QEC and NAEAC officials. Chairman, NAEAC briefed the meeting about the objectives of meeting and gave a brief overview of the accreditation activities at UAP. He pointed out the weak areas of the various agriculture degree programs of UAP. All HoDs presented implementation status of the actionable recommendations along with strengths and weaknesses of their respective degree programs.

64. In addition to the Infrastructure issues, the concern was expressed on existing and anticipated shortfall in faculty due to the upcoming retirement of senior faculty members within

next 2-3 years and lack of any plan to replace them in a timely manner. The delay in replacement creates problem in ensuring the quality of teaching and degree programs. It was suggested that instead of entirely depending upon the university resources, the HoDs may explore external funding for infrastructure development to improve teaching-learning resources and facilities. Chair assured the full support of the Council for improving the quality of degree programs through continuing external evaluation of the programs as and when requested by the Deans/ HoDs of the disciplines concerned.

iii. PMAS Arid Agriculture University, Rawalpindi

65. The review meeting at PMAS AAUR was held on April 20, 2015 with the collaboration of Dean FCFS. It was chaired by Chairman, NAEAC and attended by the Deans and HoDs of all the agriculture disciplines besides the Registrar PMAS AAUR. It was noted that 21 degree programs in 11 disciplines had been reviewed and accredited by NAEAC during 2008-09 to 2013-14. Chairman, NAEAC highlighted the objectives of the review meeting and briefed the participants about the performance status of AAUR in terms of evaluation ratings of their degree programs. HoDs of all agriculture disciplines made presentations highlighting the measures taken on recommendations of the Council for improvement.

66. Major issues regarding Infrastructure including class rooms, laboratories, computer labs, equipment, etc. along with Faculty aspects were deliberated. The participants appreciated the accreditation and evaluation process of NAEAC which is the benchmark for their respective disciplines and a platform to consolidate their strengths and overcome their weaknesses. It was agreed by the HoDs of the disciplines concerned to further improve their ratings through strengthening of teaching faculty, upgrading the existing infrastructure and learning resources and further improvement in the facilities and resources to achieve the higher rating level of X and/or W. The meeting was concluded with a positive note to further strengthen these professional linkages for the quality enhancement of agriculture degree programs.

Summary/Recommendations of the Review Meetings

67. Following is a summary of the recommendations based on the deliberations of the three review meetings.

- i. Quality assurance is a continuing process -- a quest for attaining excellence in higher education.
- ii. Degree programs rated in X3 and Y and Z categories are considered substandard and need concerted efforts for up-gradation and improvement.
- iii. Programs in Y and Z categories are ineligible for accreditation and should either be dropped or upgraded.
- iv. It was noted increasing intake of students at admission stage is one of the major

reasons for overcrowding dilution of resources and decline in quality. Future intake of students should therefore be restricted to available resources.

- v. HEC should delink the budgetary allocation with the intake of new students.
- vi. Deans and HoDs may encourage faculty to develop externally funded projects to up-grade infrastructure and learning resources.
- vii. Immediate Faculty appointments against vacant positions of superannuated senior faculty members be pursued.
- viii. Provision of additional academic blocks for students to minimize overcrowding.

V. Accreditation Awareness Seminars

68. NAEAC held six quality assurance and accreditation awareness seminars during 2014-15. The objective of these seminars is to create awareness among the stakeholders for better understanding of the significance and process of accreditation. Secretary NAEAC was the main seminarian who presented a brief introduction of NAEAC, mission, mandate, scope of work and functions. He also discussed ingredients of accreditation process such as eligibility criteria, self-assessment reports (SAR), standards, criteria and procedures. Roster of Program Evaluators, toolkit and accreditation framework briefed. It was conveyed to the participants that all possible efforts are made to ensure a transparent, neutral, unbiased and fair process. All the seminars were chaired either by the V.C or Dean of the Institution and attended by majority of the faculty members and students.

Accreditation Awareness Seminars 2014-15

S. No	Institution	Date	Venue	Chairperson	No. of Participants
1	University of Swat, Swat	24-9-14	Auditorium	HoD Bio-tech	60
2	*GCU Faisalabad Campus, Layyah	13-10-14	Seminar Room	Project Director	110
3	GCU for Women Faisalabad	22-4-15	Auditorium	Vice Chancellor	130
4	Lasbela University of Agriculture, Water and Marine Sciences, Uthal	20-5-15	Seminar Room	Vice Chancellor	50
5	Jinnah University for Women, Karachi	21-5-15	Auditorium	Vice Chancellor	150
6	Shaheed Benazir Bhutto University, Sheringal Dir	12-6-15	Auditorium	HoD Weed Science	120

*GCU: Government College University

VI. Council Meetings

i. The 10th Council Meeting:

69. The 10th Meeting of the National Agriculture Education Accreditation Council (NAEAC) was held on September 15, 2014 at 10:30 A.M. in the Mural Hall of Higher Education Commission (HEC), H-9, Islamabad. The meeting was Chaired by Dr. M. E. Tusneem, Chairman, National Agriculture Education Accreditation Council (NAEAC) and attended by 16 members including three proxies. There were four apologies and one absentee.

70. The Secretary- NAEAC presented item-wise agenda of the meeting for information/consideration of the Council members. The minutes of the meeting are attached at Annexure-VI.

VII. Roster of Program Evaluators

71. One of the functions of the Council is to continually update the roster of program experts/evaluators. Since 2007-08, it has been maintaining the roster that consists of experts of 16 disciplines of agriculture. The nominations are invited from Agriculture Education Institutions and R & D organizations. These program evaluators/experts are generally senior professors and scientists having rich experience in teaching, research and program review. Currently, the NAEAC roster consists of about 113 experts/program evaluators. These include: Agri. Biotechnology(3), Agri. Chemistry(4), Agricultural Economics(8), Agricultural Education and Extension(6), Agricultural Entomology(11), Agronomy and Crop Physiology(13), Animal Science(3), Food Science and Technology(8), Forestry, Range Management and Wildlife(8), Horticulture(11), Marketing and Agribusiness(2), Plant Breeding and Genetics(13), Plant Pathology(8), Plant Protection(2), Soil and Environmental Science(11) and Weed Science(2).

72. The Chairman, NAEAC is empowered to constitute an accreditation inspection committee comprising two program evaluators/experts and the Secretary NAEAC as Member Secretary of AIC for the on-site visit to the degree programs of agri. education institutions in Pakistan.

73. The program evaluators/experts listed in the Roster are invited from time to time to participate in the orientation workshops on accreditation and external evaluation for three days duration in Islamabad. The main objective of these workshops is to improve the relevant skills of the experts in undertaking external evaluation and accreditation process and to understand participatory SWOT analysis and NAEAC best practices of external peer review. The council has so far arranged three training workshops covering 90 participants drawn from different

agriculture universities, agriculture faculties of general universities, agriculture colleges and R&D organizations. The feedback of participants on the quality and benefits of training in improving the effectiveness of external evaluation has been excellent.

VIII. Third Orientation Workshop for Program Evaluators

74. Three-day training workshop was organized for program evaluators (PEs) of NAEAC from July 29-31, 2015 at Grand Regency Hotel, 1-Club Road, Islamabad. Prof. Dr. Jianxin Zhang from Peoples Republic of China (PRC) was the resource person. She had extensive experience and expertise in Quality Assurance and Accreditation processes and program review of the national and international education institutions. Dr. Jianxin is presently the Board Member of Aisa-Pacific Quality Network (APQN); Advisor of the International Quality Group (CIQG), USA; Director of the Research Sector of HERI in Yunnan University, China.

75. Based on provincial as well as institutional representation, 30 participants were identified and nominated for the training workshop. Institution-wise break-up of PEs was University of Agriculture, Faisalabad (3); SAU, Tandojam (4); BZU, Multan (2), The University of Agriculture, Peshawar (2); PMAS AAU, Rawalpindi (6); NARC, Islamabad (2) and one each from University of Haripur; Gomal University, D.I. Khan; Islamia University, Bahawalpur; University of Swabi; Abdul Wali Khan University, Mardan; UCA, University of Sargodha, Sargodha; Lasbella University of Agriculture, Water & Marine Sciences, Lasbella; Balochistan Agriculture College, Quetta; BZU Bahadar Campus, Layyah and UAF Sub Campus, Burewala-Vehari. (Annexure- II)

76. This was the third training workshop in the series, earlier two such workshops were conducted with 30 program evaluators/experts participating in each of these. The main focus of the third training workshop was on the following aspects:

- Key features of external assessment and accreditation of degree programs.
- Significance of participatory SWOT analysis.
- Best practices for accreditation of degree programs.

77. The inaugural session of the workshop was chaired by Dr. Ghulam Raza Bhatti, Advisor HEC whereas the concluding session was presided by Prof. Dr. Riaz H. Qureshi, Ex-Advisor, HEC. The Resource Person delivered the workshop proceedings in a diligent manner. She appreciated the interest and commitment of the participants in the workshop deliberations. Participants of the workshop highly valued the training material and its discussion by the resource person. They expressed their full satisfaction on the teaching-learning process and desired that such workshops be organized regularly for orientation and updating the knowledge and skills of the PEs.

78. Chairperson of the concluding session also appreciated and acknowledged the hard work of the resource person. He complimented the expertise of Prof. Dr. Jianxin Zhan, resource person of NAEAC and expected that with her second visit to Pakistan /HEC, the professional cooperation between APQN and HEC will be further strengthened.

IX. Strengthening of NAEAC Database

79. NAEAC has created database of all Agriculture Education Institutions since 2008. The main sources of database are original registration documents, annual email surveys and personal contacts. Main contents of database are faculty profile, students intake, infrastructure facilities including labs, class rooms, faculty offices, textbooks as well as teaching-learning related facilities and resources. The database is updated on regular basis.

X. Proposed Work Plan and Budget for FY 2015-16

1. Accreditation Activities:

80. Accreditation of degree programs of agriculture is the most important function of the Council. During 2015-16 the Council has planned external review of more than 50 degree programs (B.Sc. & M.Sc.). These programs will be evaluated at 17 Agri. Education Institutions located in Punjab, Sindh, KPK and Balochistan. The on-site visit plan for 2015-16 has been finalized in consultation with the Deans and HoDs of these institutions. Consensus based and mutually agreed AIC visit plan has been finalized and is given in Annexure-IV.

2. Awareness Seminars

81. The objective of these seminars is to create awareness among the stakeholders and sensitize them regarding the importance of accreditation of degree awarding programs. NAEAC has hitherto organized and conducted 34 awareness seminars covering all the agri. education institutions in Pakistan. These seminars have been very much appreciated and well attended by the faculty, students and other stockholders. During 2015-16, Six such awareness seminars have been planned mostly for new agriculture education campuses and colleges.

3. Orientation Workshop for Program Evaluators

82. The 3rd training workshop for 30 Participants/Program Evaluators of NAEAC took place from July 29-31, 2015. Fourth Training workshop has been planned in March 2016.

4. Annual Report 2014-15

83. Preparation of annual report is mandatory. So far seven annual reports have been published and circulated to all the Council Members, agricultural universities, colleges and campuses concerned as well as other stakeholders. All the seven reports from 2007-08 to 2013-14 are available in hard as well as soft copies and can be made available on request.

5. Meeting of the Council

84. 11th meeting of the Council was convened already in last week of October, 2015. The salient agenda items discussed consideration and approval of annual work plan 2015-16, budget and other issues. Twelfth meeting of the Council is schedule in March 2016.

6. Parents Alert

85. The purpose of Parents Alert is to sensitize and create awareness among the parents/students regarding the accreditation status of agriculture education institutions/degree programs which are recognized by NAEAC/HEC. Two such Parents Alerts were flashed in national newspapers in 2011 and 2012, respectively. The advertisement was intended for the information of prospective students (and their parents) applying for B.Sc. (Hons) and M.Sc. (Hons) in Agriculture. The students are advised to seek admission in only those degree awarding institutions and disciplines which are duly accredited by the Council/HEC. Third students-parents alert is planned for December, 2015.

7. Financial and Audit Reports

86. The Council is regularly submitting its financial and audit reports to the QAA and Finance Division of HEC. The annual audit of NAEAC accounts for FY 2014-15 was completed by the Commercial Audit Firm in July, 2015 and their audit report is given in Annexure-VII. The final audit report has already submitted to QAA, HEC and Finance Division of HEC.

Budget Utilization for FY 2014-15 and Proposed Allocation for FY 2015-16

S. No.	Activity	Budget Utilization 2014-15	Budget Allocation 2015-16
A. Accreditation Related Activities		(Rupees)	
i)	On-Site External Evaluation and Accreditation visits to 17 Institutions (69 degree programs), Review and Annual Meetings	Rs. 691,726 (30 degree programs)	Rs. 1,350,000 (50 degree programs)
ii)	Awareness Seminars (4)	Rs. 82,985	Rs. 100,000
iii)	National Conference on QA and Accreditation (1)	Rs. 0	Rs. 200,000
iv)	Printing of Annual Report 2014-15, Publicity & Advertisement , Parents Alert	Rs. 202,828	Rs. 250,000
v)	Computer & Office Equipment, Furniture & Fixture, Audit Expenses, Stationery, telephone bills, etc.	Rs. 509,849	Rs. 250,000
vi)	Repair and maintenance work	Rs. 37,364	Rs. 40,000
Sub-Total (A)		Rs. 9,77,539	Rs. 2,190,000
B. Staff Salaries			
i)	Staff Salaries and benefits	Rs. 2,347,028	Rs. 3,290,748
Sub-Total (B)		Rs. 2,894,241	Rs. 3,290,748
Grand Total (A+B)		Rs. 3,871,780	Rs. 5,480,748
Estimated Expenditure For FY 2015-16			

NAEAC Membership

<p>Dr. M.E. Tusneem Chairman National Agriculture Education Accreditation Council Higher Education Commission (HEC)</p>	<p>Prof. Dr. Shahana Urooj Kazmi Vice Chairperson, NAEAC and Vice Chancellor Dadabhoy Institute of Higher Education, Karachi</p>
<p>1-Prof. Dr. Riaz Hussain Qureshi Ex-Advisor (HRD) Higher Education Commission (HEC), Islamabad</p>	<p>2-Prof. Dr. Muhammad Arshad Dean Faculty of Agriculture University of Agriculture, Faisalabad</p>
<p>3-Prof. Dr. Safdar Ali Dean, Faculty of Crop & Food Sciences PMAS Arid Agriculture University, Rawalpindi</p>	<p>4-Prof. Dr. Saifullah Dean Faculty of Crop Protection The University of Agriculture, Peshawar</p>
<p>5-Prof. Dr. Saghir Ahmed Sheikh Dean Faculty of Crop Production Sindh Agriculture University, Tandojam</p>	<p>6-Prof. Dr. Ghulam Jilani Dean, Faculty of Agriculture, Lasbela University of Agriculture, Lasbela</p>
<p>7-Dr. Nadeem Amjad Member/Incharge Natural Resource Division Pakistan Agriculture Research Council, Islamabad</p>	<p>8-Dr. Abid Mahmood Director General Ayub Agriculture Research Institute, Faisalabad</p>
<p>9-Dr. Naveed Akhtar Director General Research Agriculture Research Institute, Tarnab, Peshawar</p>	<p>10-Dr. Muhammad Javed Tareen Director General Agriculture Research Institute Baleli, Chaman Road, Quetta</p>
<p>11-Mr. Ahmed Ali Zafar Additional Secretary, Planning (Agriculture) Agriculture Department, Government of Punjab Civil Secretariat, Lahore</p>	<p>12-Prof. Muhammad Aslam Niazi -- Principal Balochistan Agriculture College Baleli, Chaman Road, Quetta</p>
<p>13-Mr. Ahmad Said Chief Planning Officer Department of Agriculture, Livestock & Cooperatives KPK Secretariat, Peshawar</p>	<p>14-Dr. Tariq Bashir Deputy Chief (Science) Pakistan Council for Science and Technology (PCST), Sector G-5/2, Islamabad</p>
<p>15-Dr. Nihal-u-ddin Marri (Agronomist) Sugarcane Specialist Directorate General of Agriculture Research Tandojam, District Hyderabad</p>	<p>16-Dr. Liaqat Ali Bhutto Botanist Directorate General Agriculture Research Tandojam, Sindh</p>
<p>17-Mr. Sheikh M. Akmal Director M/s Acro Spinning & Weaving Mills Ltd Lahore Cantt</p>	<p>18-Mr. Waseem Amjad Mahmood Secy. Pak. Fruit Processors Association Shezan Intl. Ltd, 56 Bund Road, Lahore</p>
<p>19-Mr. Karim Aziz Malik Chief Executive M/s Barkat Rice Mills (Pvt) Ltd Plot No. 220-221, Street#1, I-10/3, Islamabad</p>	<p>20-Mr. Iskandar M. Khan Director Premier Sugar Mills & distillery Co. Ltd 20-A, Markaz, F-7, Islamabad</p>

Annexure-II

Participants of 3rd Orientation Workshop for Program Evaluators

Sr. No	Name & Address
1	Prof. Dr. Muhammad Sarwar Khan Director Center for Agriculture Biochemistry and Biotechnology University of Agriculture Faisalabad
2	Dr. Ali Muhammad Khushk Director Social Sciences Research Institute (SSRI), Tandojam, District Hyderabad
3	Dr. Zaheeruddin Mirani Department of Agriculture Extension and Education Sindh Agriculture University, Tandojam, Sindh
4	Dr. Ejaz Ashraf University College of Agriculture, University of Sargodha, Sargodha
5	Prof. Dr. Mohammad Ibrahim Keerio Sr. Academic Advisor Sindh Agriculture University, Tandojam, Hyderabad
6	Prof. Dr. Ghulam Jilani Dean, Faculty of Agriculture Lasbela University of Agriculture, Water & Marine Sciences, Uthal , Lasbela
7	Dr. Arif Shah Kakar Balochistan Agriculture College Baleli, Chaman Road, Quetta
8	Prof. Dr. Shad Khan Khalil Department of Agronomy The University of Agriculture, Peshawar
9	Dr. Mubashar Hussain, Director Bahauddin Zakaria University, Bahadar Campus, Layyah
10	Dr. Saeed Akhtar Director, Institute of Food Science and Nutrition Bahauddin Zakaria University, Multan
11	Dr. Tanveer Hussain Chairman Department of Forestry, Range & Wildlife Management Islamia University Bahawalpur, Bahawalpur
12	Prof. Dr. Muhammad Jafar Jaskani Institute of Horticultural Sciences, University of Agriculture, Faisalabad
13	Prof. Dr. Noor-ul-Amin Chairman, Department of Horticulture The University of Agriculture, Peshawar
14	Prof. Dr. Abdul Khaliq Department of Agronomy University of Agriculture, Faisalabad

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Sr. No	Name & Address
15	Dr. Rao Abdul Qayyum Chairman Department of Plant Breeding and Genetics Bahauddin Zakariya University, Multan
16	Dr. Hidayat Ullah Head, Department of Agriculture University of Swabi
17	Prof. Dr. Inayatullah Rajpar Chairman, Department of Soil Science Sindh Agriculture University, Tandojam
18	Dr. Sajid Mahmood Nadeem Associate Professor Soil Science Burewala Sub-Campus, University of Agriculture, Faisalabad
19	Dr. Asad Ali Head, Department of Agriculture Abdul Wali Khan University, Garden Campus, Mardan
20	Dr. Abid Farid Head, Department of Agriculture Sciences University of Haripur
21	Prof. Dr. Abdul Saboor Chairman Department of Agri. Economics PMAS Arid Agriculture University, Rawalpindi
22	Dr. Abdul Hayee Qureshi Director PATCO NARC, Park Road, Islamabad
23	Dr. Ata-ul-Mohsin Department of Entomology PMAS Arid Agriculture University, Rawalpindi
24	Prof. Dr. Zammurad Iqbal Ahmed Department of Agronomy PMAS Arid Agriculture University, Rawalpindi
25	Prof. Dr. Ishfaq Ahmed Hafiz Department of Horticulture PMAS Arid Agriculture University, Rawalpindi
26	Dr. Zahid Akram Department of Plant Breeding and Genetics PMAS Arid Agriculture University, Rawalpindi
27	Dr. Khalid Mehmood Qureshi Sr. Director/Chief Scientific Officer Horticulture Research Institute, NARC, Islamabad
28	Prof. Dr. Maqsood Anwar Department of Wildlife Management PMAS Arid Agriculture University, Rawalpindi
29	Prof. Dr. Ejaz Ahmad Khan Chairman Department of Agronomy Gomal University, Dera Ismail Khan

Annexure-III

AIC Evaluation Rating of Degree Programs, 2014-15

University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
1. University of Swabi			
Department of Entomology AIC Report # 122	Nov 20, 2014	Upper band of 'Z1' with 49% score	Weaknesses <ul style="list-style-type: none"> • No senior and experienced faculty, out of three faculty members one holds B.Sc. (Hons) degree only. • Grossly inadequate space for Labs., class rooms and faculty offices. • The program lacks basic and modern research facilities and teaching aids.
Department of Horticulture AIC Report # 126	Nov 20, 2014	Lower band of 'Y3' with 52% score	Weaknesses <ul style="list-style-type: none"> • Acute shortage of regular and senior faculty only two assistant professors (on-contract) having inadequate teaching experience. • Inadequate space for class rooms, laboratories and field work. • Non-availability of fruit and ornamental nursery, green house, shade house and plastic tunnels, etc.
Department of Food Science & Technology AIC Report # 127	Nov 20, 2014	Middle band of 'Y2' with 55% score	Weaknesses <ul style="list-style-type: none"> • Serious shortage of Ph.D. qualified, senior and experienced faculty. • Absence of Sensory evaluation lab for food sensory analysis experiments, existing labs have limited equipment for students practical. • Lack of IT facilities, limited research and reference material.
2. Bacha Khan University Charsadda			
Department of Entomology AIC Report # 124	Nov 27, 2014	Middle band of 'Y2' with 59% score	Weaknesses <ul style="list-style-type: none"> • Inadequate faculty. Just one regular assistant professor with few contractual teachers. • Poor infrastructure with limited class room facilities and faculty offices. • Very limited text and reference books and IT facilities.

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University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
Department of PBG AIC Report # 123	Nov 27, 2014	Upper band of 'Y1' with 63% score	Weaknesses <ul style="list-style-type: none"> • Serious shortage of experienced and senior faculty. • Limited infrastructure, no independent lab with adequate equipment, offices and seminar room. • Lack of access to the international journals and reference material with few text and reference books. • Very low intake, special efforts needed to enroll optimal size of students in B.Sc. (Hons) PBG.
Department of Agronomy AIC Report # 125	Nov 27, 2014	Upper band of 'Y1' with 64% score	Strength <ul style="list-style-type: none"> • Qualified teaching faculty of six assistant professors including five Ph.D. Weaknesses <ul style="list-style-type: none"> • Grossly insufficient and un-furnished faculty offices, lecture rooms, laboratory and library facilities. • Very limited IT facilities and insufficient text books. • Absence of well-developed and well equipped experimental farm.
3. PMAS Arid Agriculture University, Rawalpindi (B.Sc. & M.Sc.)			
Department of Agri. Extension & Communication AIC Report # 128	Dec 29, 2014	Lower band of 'Y3' with 51% score	Weaknesses <ul style="list-style-type: none"> • Only one regular faculty member entirely depending upon junior level inexperienced visiting faculty. • Very limited learning resources and facilities, no text and reference books. • Grossly inadequate infrastructure including AV. lab, faculty offices and class rooms. • Quality of graduate research very poor and unsatisfactory due to absence of regular and senior faculty.

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University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
4. University of Haripur			
Department of Forestry & Wildlife Management AIC Report # 139	March 13, 2015	Upper band of 'Y1' with 63% score	<p>Strength</p> <ul style="list-style-type: none"> Well-designed curriculum in line with HEC approved guidelines <p>Weaknesses</p> <ul style="list-style-type: none"> All the faculty of 8 members on contract basis and mostly of lecturer level. Non-availability of labs. And Lab. equipment. Non-existence of well-developed and planned plant nursery. Lack of latest editions of text books. Few books of old editions no book on wildlife management.
5. Govt. College University Faisalabad Sub-Campus, Layyah			
Department of Food and Nutrition AIC Report # 130	March 18, 2015	Lower band of 'Y3' with 53% score	<p>Weaknesses</p> <ul style="list-style-type: none"> Insufficient faculty of three non-Ph.D. lecturers on contractual appointment with negligible teaching experience. Non-existence of statutory bodies of the discipline. Lack of office and laboratory space, needed Lab. equipment and text books.
6. Muhammad Nawaz Sharif University of Agriculture, Multan			
Department of Soil Science AIC Report # 133	March 19, 2015	Middle band of 'Y2' with 58% score	<p>Weaknesses</p> <ul style="list-style-type: none"> Grossly insufficient Ph.D. qualified and experienced teaching faculty. Absence of well-equipped Soil Science Lab. for undergraduate teaching. Very few prescribed text books, reference books.
Department of PBG AIC Report # 135	March 19, 2015	Middle band of 'Y2' with 59% score	<p>Weaknesses</p> <ul style="list-style-type: none"> Induction of faculty on contract/temporary basis. Absence of well-equipped PBG lab. as well as research farm and greenhouse etc. Nonexistence of statutory bodies such as Board of Studies.

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University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
Department of Entomology AIC Report # 136	March 19, 2015	Middle band of 'Y ₂ ' with 56% score	Weaknesses <ul style="list-style-type: none"> • 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. • Digital library facility unavailable.
Department of Agronomy AIC Report # 141	March 19, 2015	Lower band of 'Y ₃ ' with 52% score	Weaknesses <ul style="list-style-type: none"> • No senior, experienced faculty. • Inadequate laboratory equipment and space. • Latest editions of text/reference books insufficient. • The faculty offices are small and inadequate.
7. Abdul Wali Khan University, Mardan			
Department of Horticulture AIC Report # 131	April 01, 2015	Lower band of 'Y ₃ ' with 52% score	Weaknesses <ul style="list-style-type: none"> • Shortage of full time, regular and senior faculty. • Grossly insufficient prescribed text books and reference books. • Non availability of Lab and greenhouse facilities.
Department of Agronomy AIC Report # 132	April 01, 2015	Lower band of 'Y ₃ ' with 51% score	Weaknesses <ul style="list-style-type: none"> • Grossly insufficient full time qualified and experienced teaching faculty. • Inadequate and unfurnished offices, lecture rooms, etc. • Absence of well-equipped agronomy labs.
Department of Food Science & Technology AIC Report # 137	April 01, 2015	Lower band of 'Y ₃ ' with 50% score	Weaknesses <ul style="list-style-type: none"> • Lack of regular and senior faculty with tangible teaching experience. • Non-availability of food science Lab. including food processing, food analysis and sensory evaluation Labs. • Not even a signal prescribed text book is available. • Grossly inadequate faculty offices with insufficient facilities.

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University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
8. Bahauddin Zakariya University Bahadar Campus, Layyah			
Department of Horticulture AIC Report # 129	March 18, 2015	Upper band of 'Y1' with 63% score	Strength <ul style="list-style-type: none"> The faculty (3 Assist. Prof.) are Ph.D. having exposure and experience of training abroad. Weaknesses <ul style="list-style-type: none"> Absence of senior faculty in horticulture program. Underdeveloped experimental orchards. No separate and well-equipped lab for horticulture. No independent Board of Studies.
Department of Entomology AIC Report # 134	March 18, 2015	Middle band of 'Y2' with 58% score	Weaknesses <ul style="list-style-type: none"> Shortage of full time regular, senior and experienced faculty. Laboratory equipment is grossly inadequate to meet the demand of the major subject. Faculty offices and class rooms insufficient and ill-equipped.
Department of Agronomy AIC Report # 138	March 18, 2015	Lower band of 'X3' with 67% score	Strength <ul style="list-style-type: none"> The entire faculty in Agronomy holds Ph.D. degree with potential for teaching. Weaknesses <ul style="list-style-type: none"> Absence of senior and experienced faculty. Shortage of farm machinery and implements including latest farm equipment.
9. Faculty of Agriculture, LUAWMS, Uthal			
Department of Agronomy AIC Report # 142	May 20, 2015	Middle band of 'Y2' with 59% score	Weaknesses <ul style="list-style-type: none"> Insufficient Ph.D. qualified and senior faculty. Very limited IT facilities, reference material and few books. Inadequate class rooms having no multimedia facilities.
Department of Entomology AIC Report # 143	May 20, 2015	Middle band of 'Y2' with 57% score	Weaknesses <ul style="list-style-type: none"> Inadequate Lab. and controlled condition facilities. Number of books and latest editions of textbooks are insufficient. Insufficient and ill-equipped faculty offices.

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University/ Department	Period of Inspection	Degree Program Rating B.Sc. (Hons)	Strengths/Weaknesses
Department of PBG AIC Report # 144	May 20, 2015	Upper band of 'Y1' with 63% score	Weaknesses <ul style="list-style-type: none"> • Lack of qualified senior and experienced teaching staff. • Lack of well-equipped Lab. for undergraduate teaching. • Unfurnished offices and lecture rooms, etc. • Nonexistence of statutory bodies.
Department of Horticulture AIC Report # 145	May 20, 2015	Middle band of 'Y2' with 59% score	Weaknesses <ul style="list-style-type: none"> • Lack of senior and highly qualified teaching faculty. • Non-availability of labs and needed lab equipment. • Limited number of text books, no journals and reference material.
Department of Soil Science AIC Report # 146	May 20, 2015	Middle band of 'Y2' with 56% score	Weaknesses <ul style="list-style-type: none"> • Shortage of highly qualified and experienced faculty. • Shortage of laboratory, field and survey equipment. • Very few text and reference books. • Shortage of classrooms with audiovisual aids and multimedia facilities.
Department of Plant Pathology AIC Report # 147	May 20, 2015	Lower band of 'Y3' with 53% score	Weaknesses <ul style="list-style-type: none"> • Shortage of teaching faculty especially senior and Ph.D. qualified. • Limited Lab. equipment without any Lab. facility. • Non-availability of text books, and IT facilities. • Shortage of faculty offices and class rooms.

Annexure-IV

Plan of External Evaluation and Accreditation Visits During 2015-16

S. No	Institution	Disciplines	Program Level
1	KIU, Gilgit	Food Science	B.Sc. (Hons) (1) M.Sc. (Hons) (1)
2	Balochistan Agriculture College Quetta	Entomology, PBG, Plant Protection, Horticulture, Agronomy and Soil Science	B.Sc. (Hons) (6)
3	UCA, University of Sargodha	Entomology, Agronomy, Horticulture, Agri. Economics, Forestry & Range Management	B.Sc. (Hons) (5) M.Sc. (Hons) (5)
4	University of Agriculture Faisalabad	Seed Science, Agri. Economics	B.Sc. (Hons) (2) M.Sc. (Hons) (1)
		Agribusiness Management	B.Sc. (Hons) (1) M.Sc. (Hons) (1)
5	University of Swabi	Agronomy, Horticulture, Entomology, Food Science	B.Sc. (Hons) (4)
6	Bacha Khan University, Charsadda	PBG, Agronomy, Entomology	B.Sc. (Hons) (3)
7	University of Haripur	PBG, Agronomy, Soil Science, Horticulture, Food Technology, Entomology	B.Sc. (Hons) (6)
8	University of Karachi	Plant Protection, Agri. Business Management	B.Sc. (Hons) (2) M.Sc. (Hons) (2)
9	Jinnah University for Women, Karachi	Food Science & Technology	B.Sc. (Hons) (1)
10	UAF Sub-Campus, Burewala-Vehari	Agronomy, Soil Science, PBG Horticulture	B.Sc. (Hons) (4)
11	BZU Bahadar Campus, Layyah	Horticulture, Entomology	B.Sc. (Hons) (2)
12	GCUF Sub-Campus, Layyah	Food Science & Technology	B.Sc. (Hons) (1)
13	Lasbela University of Agriculture, Water & Marine Sciences	Agronomy, Soil Science, HORT, PBG, Entomology	B.Sc. (Hons) (5)
14	A.W.K. University, Mardan	Horticulture, Agronomy, Food Science and Technology	B.Sc. (Hons) (3)
15	Faculty of Agriculture Ghazi University, D. G. Khan	Entomology, Agronomy, PBG, Horticulture, Soil Science	B.Sc. (Hons) (4) M.Sc. (Hons) (2)
16	UAP-AMK Campus, Mardan	Horticulture, Agronomy, Soil & Environmental Sciences	B.Sc. (Hons) (3)
17	Agriculture Faculty, Rawalakot	Entomology, Agronomy, Horticulture, Food Science	B.Sc. (Hons) (4)



Parents Alert

National Agriculture Education Accreditation Council



NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL (NAEAC) (Established by Higher Education Commission)

PARENTS ALERT!

National Agriculture Education Accreditation Council (NAEAC) is one of the four Accreditation Councils (ACs) of Higher Education Commission (HEC). It is mandatory for Universities, Colleges, and Campuses offering agriculture degree programs in 16 disciplines to be accredited by NAEAC, for details please visit Council website (www.naeac.org). Any other agriculture degree program of emerging disciplines not listed here would also fall under the purview of NAEAC.

2. Since June 2008, the Council has accredited 231 degree programs of B.Sc. (Hons) and M.Sc. (Hons) in 16 different disciplines of agriculture higher education institutions (HEIs) in Pakistan:

S.No	Institution	Degree Programs		
		Offered	Evaluated	Accredited
1.	The University of Agriculture, Peshawar	28	28	22
2.	University of Agriculture, Faisalabad	26	26	24
3.	PMAS Arid Agriculture University, Rawalpindi	23	23	21
4.	Sindh Agriculture University, Tandojam	18	18	14
5.	Faculty of Agriculture, B.Z. University, Multan	15	15	12
6.	UCA, The Islamia University, Bahawalpur	10	10	3
7.	Institute of Agricultural Sciences, University of The Punjab, Lahore	6	6	4
8.	Faculty of Agriculture, Gomal University, D.I. Khan	10	10	4

3. Following are the agriculture degree programs offered by the institutions and evaluated by the Accreditation Inspection Committees (AICs) of the Council. These degree programs were deferred for accreditation because of not meeting the minimum requirements set for accreditation and will be re-evaluated for consideration of accreditation, during 2015-16

S.No	Programs Evaluated in Y & Z Category are Rated Substandard	Degree Programs	
		Y	Z
1.	Lasbela University of Agriculture, Water & Marine Sciences, Uthal, Lasbela	Agronomy, Entomology, PBG, Horticulture, Soil Science, Plant Pathology (6)	
2.	Institute of Agribusiness Management, University of Agriculture, Faisalabad	Agri. Business Management (1)	
3.	Faculty of Agriculture, University of Poonch, Rawalakot	Agronomy, Food Science (2)	
4.	Bacha Khan University, Charsadda	PBG, Entomology, Agronomy (3)	
5.	Faculty of Agriculture, Ghazi University, D.G. Khan	Agronomy, Soil Science, Horticulture, PBG, Entomology (5)	
6.	University of Haripur	Agronomy, Entomology, PBG, Food Technology, Horticulture (5)	Soil Science
7.	University of Swabi	Agronomy, Horticulture, Food Science (3)	Entomology
8.	University of Karachi	Plant Protection, Agri. Business Management (4)	
9.	UAP-Amir Muhammad Khan Campus, Mardan	Soil Science, Horticulture, Agronomy (3)	
10.	Adbul Wali Khan University, Mardan	Horticulture, Agronomy, Food Science (3)	
11.	BZ University Bahadar Campus, Layyah	Entomology, Horticulture (2)	

This advertisement is intended for information of prospective students and their parents applying for B.Sc. (Hons) and M.Sc. (Hons) agriculture degree programs.

Dr. M. E. Tusneem
Chairman, NAEAC

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Minutes of 10th Meeting of NAEAC

Item# I: Confirmation of the Minutes of the Ninth Meeting of NAEAC

1. The Council members were informed that the draft minutes of 9th meeting were circulated to all members for their comments and views before finalization. In the absence of any comments, the same were approved by the Chairman and circulated to all Council members for their information and record.

***Decision:** In the absence of any comments, the minutes of ninth meeting of the Council were approved.*

Item# II: Overview of NAEAC's Operational Activities by Chairman, NAEAC

2. Chairman, NAEAC presented an overview of the major activities and achievements of the Council as well as the institution-wise accreditation activities carried out during 2013-14 and over the last five years. He solicited the views of the members on the evaluation rating and sought their guidance on the cut-off point of ratings for accreditation of the degree programs keeping in view of the fulfillment of major/minor criteria. He also informed the Council Members that NAEAC Secretariat has already sensitized the HODs and the Deans of the Institutions on the importance of external evaluation and accreditation of the degree programs. As a result, the accreditation has now become demand driven instead of supply driven as was the case few years ago. The Chair informed that trend of budget utilization has been more than 90%. The saving from the preceding years enabled the Council to carryout accreditation activities despite delays in the release of HEC Grant during the first quarter of new fiscal year.

3. The Members shared Chair's concern on the ratings of degree programs particularly those in the Y and Z categories of accreditation. It was noted that out of total of 205 evaluated degree programs (B.Sc. and M.Sc.); four were rated in W category; 122 in X category; 75 in Y category and 4 in Z category. This implies that more than 40% programs including those in X3 fell below the minimum rating i.e. X2 desirable for accreditation. The meeting agreed with the Chair and urged that those institutions with X3, Y and Z rating may be asked to upgrade their quality on priority basis, lest those programs should be dropped from the curricula. The members also proposed that concerned Institutions may be intimated that the accreditation of the degree programs shall be subject to the proposed improvements within a period of 1 to 2 years.

4. Referring to the degree programs falling in category Y, the Chair informed that some of these programs do not meet even the major criteria, which are essential for accreditation. Council members were of the view that such programs may be accorded Interim Accreditation for a period of 1-2 years with the condition to fulfill the accreditation requirements during the given time frame. It was agreed that HEC may be asked to write to newly established institutions to meet the prerequisites before initiating new degree programs. The degree programs evaluated / accredited in X category also be encouraged to move upward in W category. Degree programs placed in category Y and Z should either improve or be closed. Dr. Qureshi proposed that the Council may also bring Director General (Attestation and Accreditation), HEC in picture and brief him on accreditation activities and on-site visits.

5. Dr. Muhammad Arshad emphasized that departments of Research and Extension may provide feedback to the academia for up-gradation of curriculum for improvement of knowledge and skills of the graduates as per their requirements.

6. The Chair and Dr. Riaz H. Qureshi noted that external evaluation should be made more analytical and quantitative and Score Sheet be used for evaluation ratings. Dr. Muhammad Arshad indicated that one of the major constraints to quality improvement is the intake policy of the Institutions of higher learning. Each year, the intake is being increased by 10-20% without taking into consideration the capacity and resources of the Institution. This leads to the decline in the quality of teaching-learning given the constraint of resources and physical facilities. He noted that some of the newly established Institutions don't have even the basic facilities of water, electricity and class rooms, etc. The establishment of new - - generally politically motivated - - education institutions needs to be discouraged by HEC.

Decision: *The Council members agreed that adequate and quality faculty should be prerequisite to initiate programs so as to meet the minimum requirements prescribed by HEC. Also there must be a limit to the admission seats as per capacity of the institution and faculty: student ratio required.*

Item# III: Annual Work Program and Budget for 2014-15

7. During 2014-15, external evaluation and accreditation of more than 35 degree programs of various disciplines of Agriculture at 13 Education Institutions was planned in the Punjab, Sindh, Khyber Pakhtunkhwa and Balochistan Provinces. Accreditation Inspection Committees (AICs) were constituted for the concerned disciplines from experts on the roster of Program Evaluators of NAEAC and evaluation ratings of AIC attached.

8. In addition to the accreditation activities, the Council has also planned to organize five quality assurance and accreditation awareness seminars, two Council Meetings; one National

Conference of Deans and Directors of agriculture education institutions, and a training workshop for program evaluators.

9. The Budget for FY 2014-15 is Rs.4.617 million as against last year's budget allocation of Rs.4.502 million. Budgetary resources primarily include HEC Grant and Accreditation Fees. The HEC grant is non-lapsable and provides facility to carry forward the savings to the next financial year. It is noteworthy that during Financial Year 2013-14, more than one million rupees were received from accreditation fees.

Decision: *Annual Work Plan and proposed Budget of NAEAC for 2014-15 was discussed and approved by the Council members.*

Item# IV: Consideration/Approval of the Accreditation Recommendations/ Ratings of Agriculture Degree Programs for 2013-14

10. During FY 2013-14, the NAEAC Secretariat organized on-site visits to 13 agriculture education institutions for the external evaluation and accreditation of 35 degree programs B.Sc. (Hons) and M.Sc. (Hons) including Punjab, KPK and Sindh. Majority of these degree programs were newly initiated in recently established institutions. Out of 35 degree programs, 10 degree programs were evaluated and rated in X category; 21 in Y category and 4 in Z category. None of the programs was rated in W category of HEC.

11. The accreditation process followed the standards, evaluation criteria, and procedures approved by the HEC. In accordance with the NAEAC's accreditation framework, the AIC comprising three members including two external experts and Secretary NAEAC were constituted for accreditation.

Decision: *The Council approved the evaluation ratings recommended by the Accreditation Inspection Committees (AICs).*

Item# V: Proposed Conference/Meeting of Deans, Directors and HODs on Implementation Status of Recommendations

12. The Chairman shared the proposal to organize a Conference of Deans, Directors/HODs and Heads of Quality Assurance and Accreditation Cells. He informed that the Vice Chancellor of UAF has generously offered to host the Conference at UAF. The main objectives of the Conference include:

- i) Review of current status of Accreditation Ratings vis-a-vis the minimum acceptable standards.
- ii) Implementation status of Accreditation Recommendations at the department and

- institution level in all the degree awarding Agriculture Education Institutions.
- iii) Assess constraints for improvement of the quality and standard of teaching-learning vis-a-vis resources and physical facilities.
 - iv) To determine the extent of adoption of best practices and their impact on the quality of teaching-learning methods and accreditation ratings.

13. The Council members appreciated the idea of organizing the proposed Conference. It was viewed that such professional moots provide an excellent opportunity for professional interaction, information sharing and problem solving. The Conference on quality assurance and accreditation would be hopefully produce useful and tangible results for the improvement of quality of higher education in agriculture. It was agreed to plan the Conference in February, 2015.

Decision: *The proposal for organizing Conference in February, 2015 was appreciated and endorsed by the members.*

Item# VI: Renewal of Annual Service Contract of NAEAC Staff

14. The Secretariat Staff of National Agriculture Education Accreditation Council has been hired on yearly contract basis as per policy of HEC/NAEAC; as per clause-5 of the Standard Operating Procedures (SOPs) for Accreditation Councils of HEC. The Chairman – NAEAC is authorized to renew the contract on the basis of satisfactory performance of the incumbent. The Chairman is pleased to renew annual service contract of the NAEAC Staff for one year with effect from -- September, 2014. This is for the information of the Council Members. The Council advised that the contracts may be extended for two years.

Decision: *The Council noted the continued fully satisfactory performance of secretariat staff and recommended service contract of NAEAC Staff be renewed for a two year term instead of one year. This would encourage continuity of staff and appreciation of their good performance.*

Item# VII: Annual Salary Increase of NAEAC Staff

15. Reference was made to the Regulation wing of Finance Division of Government of Pakistan Office Memorandum F. No.1(4)Imp/2014-663, dated 7th July, 2014 regarding the Grant of Adhoc Relief Allowance-2014 @10% to the Civil Employees of The Federal Government including contingent paid staff and contract employees. This decision had already been implemented by the Higher Education Commission. In view of the above, the Council recommended that NAEAC Secretariat employees may also be granted 10% raise in the salary with effect from July 01, 2014.

Decision: *The Council approved 10% adhoc-relief increase in the salary of NAEAC employees with effect from July 01, 2014.*

Any other item:

i. Quality of AIC Reports

16. The Chairman shared his concern with the Council on the quality of AIC reports. He noted that these reports are generally descriptive; lack specifically the analysis and recommendations for improvement. They are generally verbose and do not reflect well on the evaluators. The Council appreciated the concern and agreed that these reports need to be more specific, quantitative, and analytical with specific recommendations for quality improvement.

***Decision:** Secretary, NAEAC is advised to arrange an orientation session with each AIC before proceeding for AIC visit. He should elaborate the SWOT analysis as well as on contents and format of AIC reports. The proposed workshop for program evaluators should also focus on these aspects. Each report should have a concise summary of conclusion and recommendations at the end the report.*

ii. Grant of National Awards in the Area of Agriculture

17. Prof. Dr. Riaz H. Qureshi observed that the grant of agriculture awards is being increasingly offered to persons with qualification in Botany or Biotechnology, etc. He asserted that for the award in agriculture discipline, only agriculture graduates be considered. He suggested that it is time now to consider such awards on the basis of impact instead of the impact factor. The evaluation committees for these awards should take into consideration the overall impact of an Invention of an individual to the economy/society with focus on benefit and welfare of the community/people.

***Decision:** Secretary, NAEAC will draft a letter on this matter and submit to Dr. Riaz H. Qureshi for review. The same will be forwarded to Pakistan Academy of Sciences, Pakistan Council for Science and Technology, and Higher Education Commission, Islamabad.*

Annual Audit Report of NAEAC, 2014-15



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AUDITORS' REPORT TO THE SECRETARY

We have audited the annexed receipt and expenditure statement of the National Agriculture Education Accreditation Council (NAEAC) for the year ended June 30, 2015 together with the notes forming part thereof (here-in-after referred to as this statement for the year then ended).

It is the responsibility of the NAEAC management to establish and maintain a system of internal control, and prepare and present the statement in conformity with the cash receipt and expenditure basis. Our responsibility is to express an opinion on the statement based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement is free of material misstatement. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the statement. An audit also includes assessing the accounting policies used and significant estimates made by management, as well as evaluating the overall presentation of statements. We believe that our audit provides a reasonable basis for our opinion.

In our opinion the statement presents fairly, in all material respect, the cash receipt and expenditure of the NAEAC for the year ended June 30, 2015.

ISLAMABAD
Dated: 28/7/15

Zia Masood Kiani & Co.
ZIA MASOOD KIANI & CO.,
Chartered Accountants

Engagement Partner
Zia Ullah -FCA



Targeting Success : audit and advisory | company secretarial | corporate finance | financial planning | forensic | outsourcing | payroll | taxation

**NATIONAL AGRICULTURE EDUCATION
ACCREDITATION COUNCIL**

RECEIPT AND EXPENDITURE STATEMENT

FOR THE YEAR ENDED JUNE 30, 2015

	Note	2015 Rupees
Receipts	2	4,725,000
Expenditures		
Establishment costs		2,207,028
Honorarium for program evaluators		160,000
Other benefits for program evaluators		140,000
TA/DA		442,576
Transportation		89,150
Communication		49,325
Stationery and other supplies		63,262
Printing and publication		166,850
Other miscellaneous expenses		37,364
Computer and office equipment		315,757
Furniture and fixture		24,430
Audit expenses		57,075
Publicity and advertisement		35,978
Meeting and seminars		82,985
		3,871,780
Excess of receipts over expenditure		<u>853,220</u>

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The annexed notes from 1 to 6 form an integral part of the financial statement.


SECRETARY


FINANCE OFFICER

Press Releases



— NAEAC Awareness Seminar at Swat —

Organization of awareness seminars for stakeholders is an integral part of the activities of National Agriculture Education Accreditation Council (NAEAC).

The objective is to create awareness among the stakeholders and sensitize them regarding the significance of accreditation of degree awarding programmes. During 2014-15, at least five awareness seminars have been planned by NAEAC. The first seminar was organized at the University of Swat on September 24, 2014. Over

80 participants including faculty members and students of agriculture discipline attended the seminar.

The Secretary NAEAC presented a short overview of the Council including mandate and scope of work. He highlighted the ingredients of accreditation process, roster of programme evaluators and standardization of various criteria and procedures to ensure transparent, neutral, unbiased and fair process besides accreditation outcomes and benefits.



Ensuring Quality of Higher Education

Accreditation Councils and HEC Agree to Enhance Coordination



The two-day activity was aimed at gathering all the accreditation councils of the country under one roof and discuss challenges faced by HEC and these councils as well as formulate a joint strategy to ensure accreditation process in a more effective manner, and align their objectives with the Government's Vision 2025

The fifth meeting of country's Accreditation Councils was held at Higher Education Commission (HEC) Islamabad to discuss how the process of accreditation could be revamped and strengthened keeping in view the expansion of higher education sector, and learning from international best practices in the accreditation process.

Prof. Dr. Mukhtar Ahmed, Chairman HEC chaired and inaugurated the meeting, organized by the Quality Assurance Agency (QAA) HEC.

The Councils whose Chairmen, Presidents and Registrars attended the meeting included Pakistan Bar Council (PBC), Pakistan Council for Architects and Town Planners (PCATP), Pakistan Engineering Council (PEC), Pakistan Medical and Dental Council (PMDC), Pakistan Nursing Council (PNC), Pharmacy Council of Pakistan (PCP), Pakistan Veterinary Medical Council (PVMC), National Council for Homoeopathy (NCH), National Accreditation Council for Teachers Education (NACTE), National Agricultural Education

Accreditation Council (NAEAC), National Computing Education Accreditation Council (NCEAC), and National Business Education Accreditation Council (NBEAC).

Accreditation Councils are responsible for Programme Accreditation at undergraduate level across the country in the respective subjects with complete autonomy in terms of implementation under policy guidelines of HEC, whereas HEC is responsible for Institutional Accreditation as per its Act. The two-day activity was aimed

The Financial Daily

September 20, 2014 Page-02
Karachi/Lahore

Agricultural institutions NAEAC meeting reviews accreditation

Special Correspondent

ISLAMABAD: The 10th meeting of the National Agriculture Education Accreditation Council (NAEAC) was held at HEC Secretariat, Islamabad. Dr. M. E. Tusneem, Chairman NAEAC, presided over the meeting. It was noticed with concern that evaluation rating of the newly initiated degree programmes, generally in the newly established institutions, shows that a lot of improvement is required. The Council reviewed the progress of the accreditation activities during 2013-14 carried-out in different agriculture institutions in the country

besides confirmation of the minutes of the ninth Council meeting. Annual Work Plan for 2014-15 was endorsed subject to minor modifications, besides approval of budget for 2014-15. The members agreed that the Council will work proactively to implement its mandate and carry-out major activities of external evaluation and accreditation of degree programmes, conduct awareness seminars, and strengthen institutional database, etc. In recent years, HEC has taken several initiatives to improve both access and quality of higher education

Establishment of the Accreditation Councils (ACs) is a major step towards improving the quality of degree programmes and bringing them at par with international standards. Accreditation is both about quality assurance and quality improvement. Accreditation process determines the minimum acceptable educational standard. Dr. Riaz Hussain Qureshi, former Adviser HEC and other Council Members representing agriculture universities, leading agro-industries and R&D institutions in public and private sectors attended the meeting.



UNI - COMMUNICATIONS

Visit of National Agriculture Education Accreditation Council, Higher Education Commission (NAEAC-HEC)

HEC paid a visit to UAF Sub-Campus Burewala/Vehari. Different subject specialists, Prof. Dr. Bismillah (Agronomy), Dr. Anjum Akbar (Horticulture) and Dr. Muazzam Jameel (Soil Sciences) from different universities were accompanying Mr. Naseer Alam Khan, Secretary National Agriculture

Education Accreditation Council, Higher Education Commission. While addressing the faculty members, they exchanged their views about the quality education. They were much satisfied by the dedicated work of faculty members and administration at UAF Sub-Campus Burewala/Vehari.



Dr. Muazzam Jameel, Subject Specialist Soil & Environmental Sciences and Dr. Sajid Mahmood Nadeem, Associate Professor, Soil & Environmental Sciences are exchanging views about the current policies of National Agriculture Education Accreditation Council, Higher Education Commission.



Members of the National Agriculture Education Accreditation Council (NAEAC) posing for a group photograph.

Members of the National Agriculture Education Accreditation Council (NAEAC) are seen in a meeting. The council is responsible for ensuring the quality of agricultural education in Pakistan. It works closely with the Higher Education Commission (HEC) to accredit various agricultural institutions across the country.

Picture Gallery



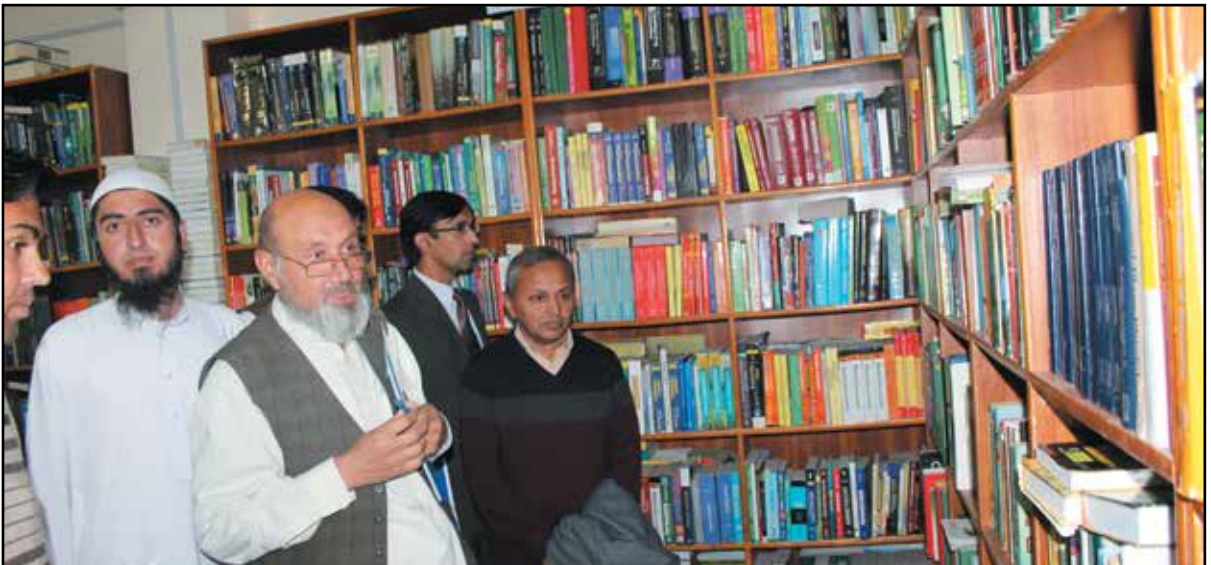
Visit of AICs to Abdul Wali Khan University, Mardan



Visit of AIC's to BZU, Bahadar Campus, Layyah



Visit of AICs to Bacha Khan University, Charsadda



Visit of AICs to University of Swabi



Visit of AICs to UAF Sub Campus, Burewala



AICs Visit to LUAWMS, Uthal



Awareness Seminar at University of Swat



Awareness Seminar at Jinnah University for Women, Karachi



Awareness Seminar at G. C. University Faisalabad, Layyah



National Agriculture Education Accreditation Council



NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL (NAEAC) (Established by Higher Education Commission)

PARENTS ALERT!

National Agriculture Education Accreditation Council (NAEAC) is one of the four Accreditation Councils (ACs) of Higher Education Commission (HEC). It is mandatory for Universities, Colleges, and Campuses offering agriculture degree programs in 16 disciplines to be accredited by NAEAC, for details please visit Council website (www.naeac.org). Any other agriculture degree program of emerging disciplines not listed here would also fall under the purview of NAEAC.

2. Since June 2008, the Council has accredited 231 degree programs of B.Sc. (Hons) and M.Sc. (Hons) in 16 different disciplines of agriculture higher education institutions (HEIs) in Pakistan:

S.No	Institution	Degree Programs		
		Offered	Evaluated	Accredited
1.	The University of Agriculture, Peshawar	28	28	22
2.	University of Agriculture, Faisalabad	26	26	24
3.	PMAS Arid Agriculture University, Rawalpindi	23	23	21
4.	Sindh Agriculture University, Tandojam	18	18	14
5.	Faculty of Agriculture, B.Z. University, Multan	15	15	12
6.	UCA, The Islamia University, Bahawalpur	10	10	3
7.	Institute of Agricultural Sciences, University of The Punjab, Lahore	6	6	4
8.	Faculty of Agriculture, Gomal University, D.I. Khan	10	10	4

3. Following are the agriculture degree programs offered by the institutions and evaluated by the Accreditation Inspection Committees (AICs) of the Council. These degree programs were deferred for accreditation because of not meeting the minimum requirements set for accreditation and will be re-evaluated for consideration of accreditation, during 2015-16

S.No	Programs Evaluated in Y & Z Category are Rated Substandard	Degree Programs	
		Y	Z
1.	Lasbela University of Agriculture, Water & Marine Sciences, Uthal, Lasbela	Agronomy, Entomology, PBG, Horticulture, Soil Science, Plant Pathology (6)	
2.	Institute of Agribusiness Management, University of Agriculture, Faisalabad	Agri. Business Management (1)	
3.	Faculty of Agriculture, University of Poonch, Rawalakot	Agronomy, Food Science (2)	
4.	Bacha Khan University, Charsadda	PBG, Entomology, Agronomy (3)	
5.	Faculty of Agriculture, Ghazi University, D.G. Khan	Agronomy, Soil Science, Horticulture, PBG, Entomology (5)	
6.	University of Haripur	Agronomy, Entomology, PBG, Food Technology, Horticulture (5)	Soil Science
7.	University of Swabi	Agronomy, Horticulture, Food Science (3)	Entomology
8.	University of Karachi	Plant Protection, Agri. Business Management (4)	
9.	UAP-Amir Muhammad Khan Campus, Mardan	Soil Science, Horticulture, Agronomy (3)	
10.	Adbul Wali Khan University, Mardan	Horticulture, Agronomy, Food Science (3)	
11.	BZ University Bahadar Campus, Layyah	Entomology, Horticulture (2)	

This advertisement is intended for information of prospective students and their parents applying for B.Sc. (Hons) and M.Sc. (Hons) agriculture degree programs.

Dr. M. E. Tusneem
Chairman, NAEAC

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