



ANNUAL REPORT

2013-2014

**National Agriculture Education
Accreditation Council
of the**

Higher Education Commission, Government of Pakistan

ABOUT NAEAC

Background

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 carry out a comprehensive program of accreditation of agriculture degree programs in private and public sector agriculture education institutions in Pakistan. The overall objective of accreditation is to improve the capacity of institutions in the form of academic and physical infrastructure in relation to the set targets.

Accreditation is a mandatory process for all relevant academic programs offered by public and private sector institutions. The purpose of such accreditation is to enhance recognition of the institution in the agriculture community and prospective students/employers. All institutions in Pakistan which provide a recognized agriculture degree are required to apply to the Council to have such degree programs accredited. The NAEAC is responsible for the accreditation of educational programs leading to degrees in the agriculture disciplines. All agriculture degree programs (except veterinary sciences) comprising about fifteen (15) disciplines of agriculture fall under the purview of the Council.

Functions

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

- Organize and carry out a comprehensive program of accreditation of agriculture programs leading to degrees/diplomas based on approved policies, procedures and criteria, and publish a list of ranking of degree programs.
- Develop accreditation policies, processes, guidelines, and procedures for program evaluators.
- Approve the list of evaluators selected through an approved criteria to participate in the process of accreditation of academic programs and constitute Accreditation Inspection Committees (AICs) from approved list of evaluators.
- Develop 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.

Secretariat

Room # N-2, Sports Block, Old COMSATS Building, HEC, H-8/1, Islamabad.

Ph # 051-90802681, Fax # 051-90802682

Email: infonaeac@yahoo.com

Website: www.naeac.org

ACRONYMS

AIC	Accreditation Inspection Committee
AIOU	Allama Iqbal Open University
ARI	Agriculture Research Institute
BZU	Bahauddin Zakariya University
HEC	Higher Education Commission
HOD	Head of Department
IAGS	Institute of Agricultural Sciences
IBMS	Institute of Business Management Sciences
IT	Information Technology
KPK	Khyber Pakhtunkhwa
LUAWMS	Lasbela University of Agriculture, Water & Marine Sciences
NAEAC	National Agriculture Education Accreditation Council
PARC	Pakistan Agriculture Research Council
PFI	Pakistan Forest Institute
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
SAUT	Sindh Agriculture University, Tandojam
SWOT	Strengths, Weaknesses, Opportunities and Threats
SZAB	Shaheed Zulfiqar Ali Bhutto
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 as Chairman to present the Annual Report of the National Agriculture Education Accreditation Council (NAEAC) for the fiscal year 2013-14.



I am pleased to report that NAEAC continued to demonstrate high standard of performance during the year under report. It undertook external evaluation and accreditation of 35 degree programs covering 13 disciplines at 12 agriculture education institutions of which seven were relatively new. It conducted 9 awareness seminars at the new institutions to sensitize them about the need for external review, accreditation process and methodology. As well, it produced several report including annual quarterly, and financial/audit reports for 2013-14 as per HEC requirements. In addition, NAEAC convened a Council Meeting for approval of the evaluation ratings, annual work program, and budget for FY 2014-15. At the meeting, the Chair also highlighted the issue of less than satisfactory quality of degree programs at the new agricultural universities, campuses and colleges.

The Council Members shared Chairman's concern on the quality of degree programs based on the results of evaluation and accreditation ratings of 205 degree programs undertaken by NAEAC during the past six years (2008-09 to 2013-14). They noted that about 38 percent of the degree programs offered by all the agriculture education institutions are rated less than average and need major improvements in quality. These programs failed to meet some of the major or minor criteria and were rated in X3, Y and Z categories. The feedback from employers of the public and private sector agencies also indicated decline in the quality of recent graduates. The Council Members discussed these concerns in detail during the meeting held on 15 September, 2014 and asked the Chairman to bring this matter to the attention of HEC Management.

In this context, the Council endorsed the NAEAC's proposal to hold a conference of the Deans and/or Heads of the Departments concerned in February-March 2015 to deliberate on these issues and make recommendations to address the quality concerns of NAEAC/HEC in light of the accreditation ratings of the degree programs completed by NAEAC during the period 2008-09 to 2013-14.

Before concluding, I take this opportunity to acknowledge the guidance and support of the HEC Management, the Vice Chancellors, the Deans, and HODs of concerned institutions including those of Quality Enhancement Cells (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 operational targets of 2013-14 and exercising due diligence and financial prudence in the use of financial and human resources.

A handwritten signature in black ink, appearing to read 'M. E. Tusneem'. The signature is stylized and written in a cursive-like font.

Dr. M. E. Tusneem
Chairman, NAEAC

EXECUTIVE SUMMARY

National Agriculture Education Accreditation Council (NAEAC) is responsible for evaluation and accreditation of agriculture degree programs (BSc and MSc) offered by all Agriculture Education Institutions in Pakistan. These institutions are required to apply to NAEAC for accreditation of the degree programs they offer. The process of evaluation and accreditation by NAEAC follows the guidelines and procedures set out by the HEC. These, inter-alia, involve preparation of a self-assessment report by the education institution concerned, and its evaluation by the AIC including visit to the Campus, meetings and discussions with faculty, students and other stakeholders concerned with the degree programs to be accredited.

The overall objective of accreditation is to improve quality of higher education, enhance capacity of institutions and upgrade infrastructure to achieve and sustain academic excellence. The Council ensures a uniform and transparent external evaluation and accreditation of degree programs.

Accreditation activities were initiated by NAEAC in June, 2008 to cover all the then 17 agriculture education institutions in Pakistan comprising 5 agriculture universities, 6 agriculture colleges, 3 agriculture faculties and 3 departments of agriculture in general universities. Since then the number of agriculture institutions have increased from 17 to 29 offering one or more agriculture degree programs. As of June 2014, the Council has evaluated and accredited 205 agriculture degree programs (BSc & MSc).

During 2013-14, NAEAC completed accreditation of 35 degree programs. These included 16 degree programs in KPK; 15 in Punjab and 4 in Sindh. The accreditation process followed the evaluation criteria, procedures and standards set by the HEC. In accordance with the NAEAC's accreditation framework, the Accreditation Inspection Committee (AIC) comprising three members including two external experts and Secretary NAEAC were constituted for accreditation of each degree program.

The awareness seminar for the stakeholders is an essential activity of the Council. Hitherto, the Council has conducted 27 awareness seminars including 9 seminars during FY 2013-14 at various agriculture education institutions. Seminar presentations focused on accreditation processes, self-assessment reports (SARs), standards, criteria and procedures, roster of program evaluators, and toolkit, etc. These nine awareness seminars have been delivered from October, 2013 to May, 2014 at nine different education institutions in Punjab and KPK. All these seminars were chaired by the Vice Chancellors/Deans of the institutions concerned. Many of the faculty members and students also attended these seminars. The Heads of the host institutions considered these seminars valuable in understating the importance and process of accreditation and appreciated the efforts of NAEAC Secretariat in organizing these seminars.

The roster of Program Evaluators/Experts was updated and upgraded as per standard procedure. It includes 15 disciplines of Agriculture involving more than 100 experts covering the degree programs in various disciplines. At present, the roster of evaluators consist of 126 experts representing all major disciplines of agriculture. Likewise, the database of all the degree awarding agricultural programs in the country was updated to monitor changes in the annual intake/enrollment, faculty strength, and academic/research infrastructure facilities.

I. INTRODUCTION

1. National Agriculture Education Accreditation Council (NAEAC) is one of the four Accreditation Councils of the Higher Education Commission. NAEAC is mandated to accredit agriculture degree programs (BSc and MSc) of the agriculture education institutions in Pakistan. Accreditation is mandatory for all institutions and they are required to get their programs accredited by NAEAC of HEC. Accreditation is carried out through validation of the Self-Assessment Report for degree programs of the host institution besides an objective assessment of the human and financial resources and physical facilities available for BSc (Hons) and MSc (Hons) degree programs.

2. The overall objective of the external assessment and accreditation is to improve the quality of higher education, enhance the capacity of institutions and upgrade physical infrastructure to achieve and sustain academic excellence. The Council undertakes transparent, neutral and unbiased evaluation and accreditation by the external experts with expertise in the degree programs concerned. Efforts are made to carry-out the accreditation process in a participatory and transparent manner and share the findings and recommendations of the evaluators to all the stakeholders. Accreditation not only helps enhance the quality and recognition of the degree programs and the institutions but also enhances employment opportunities for the graduates. It also ensures improved competitiveness and global compatibility of degree programs thereby improving the chances of acceptance abroad of graduate student for higher education and scholarships/fellowships

II. ACCREDITATION ACTIVITIES

3. External Evaluation and Accreditation of Agriculture degree programs (BSc and MSc) is primary function of NAEAC. It views that quality assurance as prime concern; Quality improvement is a gradual and continuous process. Concerted efforts are needed to achieve academic excellence. The overall objective of accreditation is to improve quality of education, enhance capacity of educational institutions and upgrade physical infrastructure to make it not only market oriented but also globally compatible.

4. A summary of the accreditation of agriculture degree programs undertaken during 2013-14 follows.

A. School of Professional Advancement, University of Management and Technology (UMT), Lahore

(i) Degree Program in Agri. Business¹ (MS)

5. School of Professional Advancement (SPA) of the University of Management and Technology (UMT), Lahore initiated MS degree program in Agri. Business in 2010-11 along with other few new programs. Average intake in the program has been ranging from 10-15 students per annum. Majority of the teaching faculty is on part-time basis. Having received a formal request from the Head of Department of SPA, external evaluation and accreditation of MS program of Agri. Business was finalized with mutual consent and convenience. An Accreditation Inspection Committee (AIC) comprising two experts in agri. business was constituted by Chairman, NAEAC. On-site visit of Agri. Business MS program was carried out on July 04, 2013.

6. Based on assessment of the program evaluators, the degree program was rated in lower band of 'Y3' with 51% score indicating that MS degree program fails to meet some of the major criteria.

Strength: (i) Adequate infrastructure and learning resources are available.

Weaknesses: (i) Lack of experienced, PhD highly qualified and full time relevant faculty; (ii) Inadequate curriculum of MS Agri. Business degree program, unapproved by HEC; (iii) Lack of access to faculty members by the students.

B. Government College (G.C) University, Faisalabad

(i) Degree Programs in Food Science and Technology² (BSc & MSc)

7. Food Science degree programs of the G.C. University, Faisalabad were initiated in 2010. For program accreditation and assessment, the on-site visit was undertaken from October 30-31, 2013 by the AIC consisting of two Food Science experts from academia and the Secretary, NAEAC.



AIC Visit to GC University, Faisalabad

¹ The AIC on Agri. Business comprised of Prof. Dr. Khalid Mustafa, Ex-Director, Institute of Agri. Business Mgt., UAF, Dr. Abdul Hayee Qureshi, Director PATCO, NARC, Islamabad and Secretary, NAEAC.

² The AIC on Food Science and Technology comprised of Prof. Dr. Faqir M. Anjum DG, NIST, UAF, Dr. Umar Farooq, Assistant Prof., University of Sargodha and Secretary, NAEAC.

8. As a result of an exhaustive review of the physical infrastructure and learning resources, faculty, curriculum, and related facilities, support staff, students, the AIC recommended the accreditation of Food Science Programs (BSc and MSc) in the middle band of 'X2' with 72% score. The major strength and weaknesses are given below:

Strength: (i) Adequate infrastructure and young faculty of 14 Assistant Professors & Lecturers including 10 PhDs.

Weaknesses: (i) The degree programs are without any senior and experienced faculty of Professor and Associate Professor; and (ii) Lack of food processing unit and shortage of critical Lab. Equipment.

C. Pakistan Forest Institute (PFI), Peshawar

(i) Degree Programs in Forestry (BSc & MSc) ³

9. Accreditation visit of PFI was undertaken from December 16-17, 2013. The AIC of program evaluators consisted of a Professor of Forestry, a Research Scientist (Forestry) and the Secretary, NAEAC.

10. The AIC on the basis of their evaluation, recommended accreditation of degree programs of BSc and MSc (Forestry) in 'X3' Category with 65% score indicating the following strength and shortfalls.

Strength: (i) The institute has well-established division of forest education, forest research and sericulture with central library and GIS lab.

Weaknesses: (i) Serious shortage of PhD qualified as well as senior and regular faculty positions including Professors and Associate Professors; (ii) The curriculum of the institute for BSc and MSc degree program requires up-gradation to make it market oriented and globally comparable; (iii) IT facilities are inadequate and need to be upgraded; and (iv) R&D activities require up-gradation and strengthening with the collaboration of academia and R&D institutions.



AIC Visit to PFI, Peshawar

³ The AIC on Forestry comprised Prof. Dr. Sarwat Naz Mirza, PMASAAU, Rawalpindi, Dr. Muhammad Afzal, Director Research Institute Gatwala, Faisalabad and Secretary, NAEAC.

D. University of Agriculture, Faisalabad

(i) Institute of Business and Management Sciences (IBMS)⁴ (BSc & MSc)

11. Institute of Business Management Sciences (IBMS) is a part of the Faculty of Social Sciences and was created in 2011 by merging two teaching departments (Department of Business Management Sciences and Department of Marketing and Agri. Business) and two other sections (Business Incubation Centre and WTO cell). The Institute offers BSc (Hons) and MSc (Hons) degree programs in the discipline of Marketing and Agribusiness. So far, 150 students have earned MSc (H) degree in Marketing and Agri. Business.



AIC Visit to University of Agriculture, Faisalabad (IBMS)

12. On-site accreditation visit of the AIC to the degree programs of IBMS was scheduled for two days from January 16-17, 2014. The AIC constituted by Chairman, NAEAC consisted of one Professor, one Agribusiness specialist and Secretary, NAEAC. Based on the validation of program SAR, participatory SWOT analysis and detailed visit of the infrastructure, resources, and available facilities; the AIC recommended the rating of BSc (H) and MSc (H) degree programs in the upper level of 'Y1' with 62% score having following strength and weaknesses.

Strength: (i) The institute is a part of the reputed University of Agriculture, Faisalabad.

Weaknesses: (i) Shortage of senior, experienced and relevant full time faculty; (ii) Inadequately designed curriculum; (iii) Poor physical infrastructure and lack of state-of-the art equipment; (iv) Absence of relevant professional and dynamic leadership; and (v) Limited internship opportunities and in-effective linkages with established and leading agro industry.

⁴ The AIC on IBMS comprised of Prof. Dr. Maqbool H. Sial, Dean Faculty of Management Sciences, University of Sargodha, Sargodha; Dr. Abdul Hayee Qureshi, Director PATCO, NARC, Islamabad and Secretary, NAEAC.

E. BZU, Bahadur Sub-Campus, Layyah

13. Bahadur sub-campus was established in 2009 and college of agriculture was setup in 2011 with an initial intake of 50 students in B.Sc (Hons) agriculture during 2012. Another batch of 52 students was admitted in 2013 with a total of 102 students including 22 female students.

(i) Degree Program in Agronomy⁵ (BSc)

14. Accreditation activities at BZU Bahadur sub-campus Layyah covered only two disciplines of agronomy and entomology each for one degree program (BSc). The AIC comprising two experts was constituted from NAEAC roster of experts beside Secretary, NAEAC. On-site visit was carried out on March 19-20, 2014. Major strength and weaknesses of agronomy program as assessed by the committee are as under.

Strength: (i) Bahadur Sub-Campus, Layyah is part of well-established BZU with a teaching faculty of five including four PhDs.

Weaknesses: (i) Absence of senior and experienced faculty of Professors and Associate Professors; (ii) Inadequate lab and IT facilities; (iii) Very few text and reference books; and (iv) Shortage of farm machinery and implements.



AICs Visit to Bahadur sub-campus, Layyah

15. Based on the aforementioned assessment, the AIC rated BSc (Hons) agronomy program in 'Y3' category of accreditation with 50% score.

(ii) Degree Program in Entomology⁶ (BSc)

16. The AIC on entomology consisted of three members including two professors of entomology and secretary NAEAC. On the basis of the on-site visit and an assessment of the degree program, the committee unanimously rated it in lower band of 'Z3' with 42% score identifying the following weaknesses.

⁵ The AIC on Agronomy comprised of Dr. Shafqat Nawaz, Principal Sub-Campus UAF, Burewala, Dr. Abdul Khaliq, University of Agriculture Faisalabad and Secretary, NAEAC.

⁶ The AIC on Entomology comprised of Prof. Dr. Ghulam Jilani, Lasbella University of Agriculture, Water & Marine Sciences, Lasbella, Prof. Dr. Muhammad Aslam, Advisor, COMSATS Institute of Information Technology, Vehari and Secretary, NAEAC.

Weaknesses: (i) Serious shortage of full time, senior and regular faculty of Professor/Associate Professor Level; (ii) Labs, library and other learning resources grossly inadequate; (iii) IT facilities and research/reference material insufficient; and (iv) Non-availability of a greenhouse for experimental activities.

F. S.Z.A. Bhutto Agriculture College, Dokri

17. The college offered BSc (Hons) degree program of four disciplines of Agronomy, Soil Science, PBG and Horticulture for external review and accreditation by NAEAC. Four AICs comprising professors/scientists were constituted - - one for each discipline. The on-site visit was carried out concurrently from March 30-31, 2014.

(i) Degree Program in Agronomy⁷ (BSc)

18. On the basis of overall score of 56% assessed by AIC, the agronomy program was placed in accreditation rating of 'Y2' suggesting program not meeting major criteria of HEC.

Strength: (i) Teaching faculty consists of five members of Assistant Professor level having 10-15 years teaching experience.

Weaknesses: (i) Shortage of PhD qualified and senior level faculty; (ii) IT facilities highly unsatisfactory due to non-availability of equipment and frequent electricity break-downs; (iii) Undergraduate Labs and Library facilities are grossly inadequate; and (iv) Insufficient and non-functional agricultural machinery and farm implements.

(ii) Degree Program in Horticulture⁸ (BSc)

19. BSc (Hons) degree in Horticulture was rated in the lower band of 'Y3' category of accreditation with 50% score having following strength and weaknesses.

Strength: (i) College has well planned spacious building and related infrastructure

Weaknesses: (i) Overall shortage of faculty and lack of senior and qualified teachers holding PhD degrees; (ii) Lack of library facilities and periodicals and journals; and (iii) Limited intake of 8 students in the discipline.

⁷ The AIC on Agronomy comprised of Prof. Dr. Bismillah Khan, BZU, Multan, Dr. Nihal-ud-Din Marri, Sugarcane Specialist, D.G of Agricultural Research, Sindh Tandojam and Secretary, NAEAC.

⁸ The AIC on HORT comprised of Dr. Zerner Meesick Newton, Guava Research Station Naudero, Larkana and Secretary, NAEAC.

(iii) Degree Program in Soil Science⁹ (BSc)

20. Based on AIC's review and evaluation including SWOT analysis, the BSc (Hons) Soil Science degree program is rated in the middle band of 'Z2' category with 44% score having following weaknesses. The degree is urged to upgrade its standard or discontinue it till the faculty and related teaching infrastructure is improved.

Weaknesses: (i) Serious shortage of teaching faculty, just one teacher offering major in soil science; (ii) Adequately qualified and experienced faculty with PhD degree is absent; (iii) Inadequate labs and lab equipment; (iv) Library facility is inadequate containing some old books and reference material. Latest editions of text books and research journals are un-available; and (v) The faculty offices as well as classrooms and laboratories lack internet facility and multimedia teaching aids, etc.



AICs Visit to S.Z.A. Bhutto Agriculture College, Dokri

(iv) Degree Program in Plant Breeding and Genetics¹⁰ (BSc)

21. PBG degree program BSc (Hons) was assessed seriously deficient in meeting major criteria and was placed in accreditation category of 'Z2' with 44% score and on account of the following major weaknesses.

Weaknesses: (i) Acute shortage of faculty having two teachers only of Assistant Professor level; (ii) Absence of senior faculty members (Professor and Associate professor) on permanent or TTS basis; (iii) Lack of departmental library and internet facilities for faculty; (iv) Lack of latest editions of text books, only two text books are available in the library and little or no reference material available; (v) Lack of administrative control due to limited financial authority with Principal; and (vi) No greenhouse facilities for controlled experiments and lack of implements for proper conduct of experiments in the field. The AIC considers that the degree program should either be stopped or upgraded.

⁹ The AIC on Soil Science comprised of Dr. Nizamuddin Depar, SSO (NIA), Tandojam and Secretary, NAEAC.

¹⁰ The AIC on Plant Breeding and Genetics comprised of Dr. Abdul Qayyum, BZU, Multan and Secretary, NAEAC.

G. Department of Agriculture, University of Swabi

(i) Degree Programs in Agronomy¹¹ (BSc & MSc)

22. External evaluation and accreditation activities at University of Swabi (UOS) covered two disciplines of 'Agronomy' and 'Plant Breeding & Genetics'. AICs of Agronomy and PBG were constituted and approved by Chairman, NAEAC and Secretary NAEAC joined as member/secretary to both the committees. On-site visit of the AICs was organized from April 2-3, 2014.

23. As per assessment of the committee, degree programs of Agronomy were placed in 'Y2' category of accreditation with 55% score having following major weaknesses. As the degree programs failed to meet the major evaluation criteria of eligibility for accreditation, these may be upgraded on priority basis.



AICs Visit to Department of Agriculture, University of Swabi

Weaknesses: (i) Serious shortage (only two teachers) of teaching faculty having one PhD. assistant professor with inadequate teaching experience; (ii) Non-availability of labs, lab equipment, class rooms and faculty offices; (iii) Insufficient learning resources including IT facility and access to HEC digital library; and (iv) lack of well-equipped experimental farm & greenhouse.

(ii) Degree Programs in Plant Breeding and Genetics¹² (BSc & MSc)

24. The AIC on PBG, based on the evaluation of the degree programs, recommended accreditation in 'X3' category with 67% score highlighting following strength and weaknesses.

Strength: (i) Well qualified teaching faculty with PhD degrees including one professor and four Assistant Professors.

¹¹ The AIC on Agronomy comprised of Prof. Dr. Fayyaz ul Hassan Sahi, PMAS AAU, Rawalpindi, Prof. Dr. Habib Akbar, The University of Agriculture, Peshawar and Secretary, NAEAC

¹² The AIC on PBG consisted of Prof. Dr. Hidayat ur Rehman, The University of Agriculture, Peshawar, Prof. Dr. Kausar Nawaz Shah, PMAS AAU, Rawalpindi and Secretary, NAEAC.

Weaknesses: (i) Incomplete faculty pyramid without Associate Professor and Lecturers; (ii) Inadequate lab and lab equipment, faculty offices and class rooms; (iii) Lack of greenhouse and experimental farm facilities; and (iv) Inadequate IT facility including access to HEC digital library.

H. Department of Agriculture, University of Haripur (UoH)

25. The institution offered degree programs of six disciplines of Agriculture for external assessment and accreditation. Thus, six AICs were constituted consisting of Agronomy, Soil Science, Entomology, Horticulture, PBG and Food Science & Technology. On-site visit was carried out during March 19-20, 2014.

(i) Degree Program in Agronomy¹³ (BSc)

26. After two-day thorough review of the program, the AIC evaluated and rated the Agronomy program in 'Y3' category with 52% score identifying following weaknesses.

Weaknesses: (i) Absence of qualified and senior faculty; (ii) Insufficient and very limited facilities for Labs and experimental farms; (iii) Lack of co-curriculum, recreational and indoor-outdoor sports facilities; (iv) Lack of exposure of students to other universities and teaching/research institutions; and (v) Shortage of Library Books and IT facilities.

(ii) Degree Program in Soil Science¹⁴ (BSc)

27. On the basis of the evaluation, the degree program was rated in 'Z1' category with 48% score. Major weaknesses of the program are outlined below.

Weaknesses: (i) Non-existence of separate faculty of Agricultural Sciences comprising relevant departments; (ii) Shortage of permanent and senior/experienced faculty members as professors and associate professors; (iii) No access to the international Journals and reference material besides shortage of text books; (iv) Insufficient PhD qualified faculty; and (v) Lack of departmental library and internet facilities.

¹³ The AIC on Agronomy consisted of Prof. Dr. Fayyaz ul Hassan Sahi, PMAS AAU, Rawalpindi and Secretary, NAEAC.

¹⁴ The AIC on Soil Science consisted of Prof. Dr. Safdar Ali, Dean FCFS, PMAS AAU, Rawalpindi and Secretary, NAEAC.

(iii) Degree Program in Entomology¹⁵ (BSc)

28. Based on a holistic review as well as participatory SWOT analysis, the AIC concluded the evaluation rating of the degree program of Entomology in the middle band of 'Y2' category with 56% score having the following strength and weaknesses.

Strength: (i) Faculty and students seem satisfied with existing teaching/learning environment.

Weaknesses: (i) Lack of highly qualified and senior faculty as Professors and Associate Professors; (ii) Non-availability of separate Entomology laboratory and lab equipment; (iii) Limited infrastructure as teachers offices, glass house and field research facility; Shortage of supporting staff of the laboratories; and (iv) Non-availability of departmental library and IT facilities.



AICs Visit to Department of Agriculture, University of Haripur

(iv) Degree Program in Horticulture¹⁶ (BSc)

29. The AIC recommended the evaluation rating of the degree program of Horticulture in middle band of 'Y3' category with 54% score implying not meeting some of the major criteria because of the following weaknesses.

Weaknesses:

(I) Absence of qualified (PhDs) experienced faculty; (ii) Independent Lab. facilities for Horticulture are unavailable; (iii) Limited availability of text books and reference material; (iv) Lack of departmental library and internet facilities; and (v) Limited opportunities for students to undertake study tours/visits to some model farms.

(v) Degree Program in Plant Breeding and Genetics¹⁷ (BSc)

30. AIC found the degree program not meeting some major criteria and evaluated the degree program in 'Y2' category of rating with overall score of 56% having the following strength and weaknesses.

Strength: (i) Teaching faculty consisting of two Assistant Professors having PhD degrees and two lecturers.

¹⁵ The AIC on Entomology consisted of Dr. Ata ul Mohsin, PMASAAU, Rawalpindi and Secretary, NAEAC.

¹⁶ The AIC on Horticulture comprised of Dr. Ishfaq Ahmad Hafiz, PMASAAUR and Secretary, NAEAC.

¹⁷ The AIC on PBG comprised of Dr. Zahid Akram, PMASAAUR and Secretary, NAEAC.

Weaknesses: (i) Inadequate full time PhD qualified senior/experienced faculty vis-à-vis standard criteria; (ii) Inadequate teaching/research laboratories and on-farm experimental facilities; (iii) Shortage of recommended text and reference books; (iv) Inadequate teaching facilities including faculty offices, seminar rooms and committee rooms, etc; and (v) Unsatisfactory IT-facilities due to frequent electricity break-downs.

(vi) Degree Program in Food Science¹⁸ (BSc)

31. Food science program was assessed more deficient in meeting major criteria and standards than other programs of the university, hence rated in 'Y3' category with 51% score due to following weaknesses.

Weaknesses: (i) Grossly inadequate lab. facility including food processing unit; (ii) Very limited availability of research and reference material for post-graduate research; (iii) Unsatisfactory infrastructure such as class rooms, faculty offices and committee room/seminar room; and (iv) Absence of full time senior faculty of Professors and Associate Professors.

I. Institute of Agricultural Sciences (IAGS), Punjab University, Lahore

(I) Degree Programs in Horticulture¹⁹ (BSc & MSc)

32. Horticulture program was initiated in 2010-11. AIC visited IAGS during March 3-4, 2014 for external review and accreditation of Horticulture degree programs. After comprehensive review, visits and meetings for two days, the AIC evaluated the Horticulture programs in 'X3' category of rating with 65% score having following strengths and weaknesses.

Strength: (i) BSc (Hons) degree program avails the facility of already established experimental farm and greenhouse, etc.

Weaknesses: (i) Faculty of four young PhDs having shortage of senior and experienced faculty members; (ii) Inadequate graduate research infrastructure including floriculture, biotechnology and post-harvest areas; (iii) Funds for academic research as well as repair and maintenance work are grossly insufficient.

¹⁸ The AIC on Food Science consisted of Prof. Dr. Tariq Masud, PMASAAU, Rawalpindi and Secretary, NAEAC.

¹⁹ The AIC on Horticulture were comprised of Prof. Dr. M. Akbar Anjum, BZU, Multan, Dr. Sudheer Tariq, SSO, NARC, Islamabad and Secretary, NAEAC.

(ii) Degree Programs in Food Science²⁰ (BSc & MSc)

33. On the basis of the holistic review as well as participatory SWOT analysis with the faculty and students, the AIC concluded the evaluation of the degree programs in Food Sciences in the upper band of 'Y1' category with 60% score reflecting the following strength and weaknesses.



AICs Visit to IAGS Punjab University, Lahore

Strength: (i) Faculty of four PhD qualified teachers.

Weaknesses: (i) Shortage of adequately experienced and senior faculty of Professors and Associate Professors; (ii) Unavailability of food processing and analytical facilities; (iii) Grossly Inadequate laboratories with shortage of equipment; and (iv) Untrained/unqualified lab. staff.

J. University College of Agriculture & Environmental Sciences, Islamia University, Bahawalpur (IUB)

34. University College of Agriculture, IUB offered two degree programs of two disciplines of Forestry and Food Science. Two AICs were constituted by the competent authority and on-site visit was carried out from March 5-6, 2014.

(I) Degree Program in Forestry²¹ (BSc)

35. On the basis of two days deliberations, AIC evaluated the degree programs and rated in lower band of 'X3' category with 64% score. Following strength and weaknesses were identified.

Strength: (i) Teaching faculty of five including four young PhDs.

Weaknesses: (i) Shortage of senior and experienced faculty of Professors and Associate Professors; (ii) Insufficient text books, reference books and IT facilities; and (iii) Inadequate facilities for field visits and study tours.

²⁰ The AIC on Food Science consisted of Dr. Faqir Muhammad Anjum, Ex-Director General, National Institute of Food Science & Technology, UAF, Dr. Muhammad Nasir, UVAS, Lahore and Secretary, NAEAC.

²¹ The AIC on Forestry consisted of Prof. Dr. Rasheed Ahmad, UAF, Dr. Muhammad Zubair, BZU, Multan and Secretary, NAEAC.

(ii) Degree Program in Food Science²² (BSc)

36. Having an exhaustive review of the Food Science program, AIC evaluated BSc (Hons) degree program in 'Y2' category below minimum level of accreditation being X3, Hence program requires significant up-gradation and improvement to meet standard criteria required for accreditation with the Council.

Weaknesses: (i) Shortage of faculty including senior and qualified members; (ii) Lack of requisite lab. facilities; (iii) Existing teaching faculty of two members requires training for improving teaching and research skills; and (iv) No departmental library. Central library of the college has few books on Food Science and Technology.

K. The University of Agriculture Peshawar AMK Sub-Campus Mardan

37. The University of Agriculture, Peshawar has established Amir Muhammad Khan (AMK) sub-campus at Mardan. The sub-campus offers a number of undergraduate programs in Agronomy, Soil Science and Horticulture. Three AICs each comprising three members were constituted. Secretary, NAEAC acted as member/secretary to each Accreditation Inspection Committee. On-site visit was carried out on April 24, 2014.

(i) Degree Program in Agronomy²³ (BSc)

38. On the basis of the evaluation, the AIC unanimously rated degree program in 'Y3' category with 52% score on the basis of following weaknesses.

Weaknesses: (i) Insufficient qualified teaching faculty, lab. and support staff; (ii) Lack of faculty offices, class rooms, laboratory space, computer and library facilities; (iii) Non-existence of sports, co-curriculum, recreational facilities; and (iv) Absence of well-developed and equipped research farm.

(ii) Degree Program in Horticulture²⁴ (BSc)

39. The AIC evaluated the program in 'Y3' category with overall score of 54% implying program is seriously deficient in meeting major criteria. The following weaknesses were identified for substantial improvement.

²² The AIC on Food Science consisted of Dr. Faqir Muhammad Anjum, Ex-DG, National Institute of Food Science & Technology, UAF, Dr. Saeed Akhtar, UCA, BZU, Multan and Secretary, NAEAC.

²³ The AIC on Agronomy were comprised of Prof. Dr. Fayyaz-ul-Hassan Sahi, PMAS AAU, Rawalpindi, Dr. Rasheed A. Shad, CSO (Retd), NARC, Islamabad and Secretary, NAEAC.

²⁴ The AIC on Horticulture were comprised of Dr. Nadeem Abbasi, PMAS AAU, Rawalpindi, Prof. Dr. Noor-ul- Amin, UAP and Secretary, NAEAC.

Weaknesses: (i) Shortage of teaching faculty especially highly qualified (PhD) and experienced teachers; (ii) Grossly inadequate provision of labs. and lab. equipment; (iii) No departmental library, very few text books and no research journals; and (iv) Unsatisfactory IT facilities and other learning resources.

(iii) Degree Program in Soil Science²⁵ (BSc)

40. Based on the evaluation; the degree program was placed in 'Y2' category with 58% score indicating serious deficiency in meeting HEC major criteria of accreditation.

Strength: (I) PhD qualified faculty of four comprising one Associate Professor, two Assistant Professors and one Lecturer.



AICs Visit to UAP, AMK Campus, Mardan

Weaknesses: (i) Grossly inadequate lab. facilities having limited equipment; (ii) No access to HEC digital library and international journals; (iii) Shortage of relevant course books and text books; (iv) Lack of departmental library and internet facilities; and (v) No tangible collaboration with the agro-industry.

L. University College of Agriculture (UCA), University of Sargodha

41. College of Agriculture has recently initiated new degree programs in the disciplines of Animal Science, Agricultural Economics and Agro-forestry. Having received brief Self-Assessment Reports (SARs), on-site visit was carried out on April 29, 2014. Three AICs of experts were constituted who conducted a detailed review of the available teaching faculty, infrastructure, learning resources and allied facilities. Also Inspection Committees had a dialogue with faculty members, students, peers, alumni and support staff.

(i) Degree Program in Animal Science²⁶ (BSc)

42. On the basis of the assessment, the program was placed in 'Y1' category of rating with 60% score due to the following strength and weaknesses.

Strength: (i) The Teaching faculty of six members including two PhD qualified Assistant Professors and four lecturers.

²⁵ The AIC on Soil Science were comprised of Prof. Dr. M. Kaleem Abbasi, The University of Poonch, Rawalakot, Dr. Khalid Saifullah Khan, PMASAAU, Rawalpindi and Secretary, NAEAC

²⁶ The AIC on Animal Science were comprised of Prof. Dr. Khalid Javed, UVAS, Lahore, Dr. Amanullah Cheema, Director LRS, NARC, Islamabad and Secretary, NAEAC.

Weaknesses: (i) Shortage of senior faculty members of Professors and Associate Professors level; (ii) Departmental labs are deficient in equipment and lab staff; (iii) Curriculum needs revision to include courses on meet production and processing etc.; and (iv) Few faculty offices with no departmental library

(ii) Degree Program in Agricultural Economics²⁷ (BSc)

43. Program evaluation by AIC led to the rating in ‘Y2’ category with 59% score due to the following weaknesses. Thereby not meeting some of the major criteria, hence lacks the requirements of Accreditation with the Council.

Weaknesses: (i) Shortage of senior, highly qualified (PhD) and experienced faculty; (ii) Lack of infrastructure in terms of faculty offices and IT facilities; (iii) Insufficient number of text books, reference books and journals; and (iv) Weak and ineffective internship program.

(iii) Degree Program in Agro-Forestry²⁸ (BSc)

44. Forestry program was evaluated with 63% score and rated in the Council’s ‘Y1’ category of rating on account of the following strength and weaknesses.

Strength: (i) Teaching Faculty consists of six members including two having PhD degrees.

Weaknesses: (i) Inadequate infrastructure including labs., faculty offices and classrooms; (ii) Limited Number of text books and reference books and no research journals; and (iii) Lack of field research facility and very limited study tours.



AICs Visit to University College of Agriculture, University of Sargodha

²⁷ The AIC on Agricultural Economics were comprised of Prof. Dr. Abdul Saboor, PMAS AAU, Rawalpindi, Dr. Abdul Hayee Qureshi, Director PATCO, NARC, Islamabad and Secretary, NAEAC.

²⁸ The AIC on Agro-Forestry were comprised of Dr. M. Tahir Siddiqui, UAF and Secretary, NAEAC.

III. QUALITY ASSURANCE AND ACCREDITATION AWARENESS SEMINARS

45. Planning and conduct of awareness seminars for the stakeholders is an essential and regular activity of NAEAC. The objective is to create awareness among the stakeholders and better understanding of the significance and process of accreditation. The Council has so far conducted 27 awareness seminars including 9 seminars during 2013-14 at various Agriculture Education Institutions in Pakistan. Secretary, NAEAC delivered these seminars. The seminarian presented a brief introduction of NAEAC, mission, mandate, scope of work and functions. He also discussed ingredients of accreditation processes such as eligibility criteria, self-assessment reports (SAR), standards, criteria and procedures. Roster of Program Evaluators, toolkit and on-site visit of AICs were also flashed. It was conveyed that all possible efforts are made to ensure a transparent, neutral, unbiased and fair process. Nine Awareness seminars were delivered between October, 2013 and May, 2014 at nine different Education Institutions in Punjab and KPK. All these seminars were chaired by the V.C or Dean of the Institution and attended by majority of the faculty members and students. The Heads of the host institutions welcomed this initiative and appreciated efforts of NAEAC Secretariat in reaching out to the faculty and students on the subject of quality assurance and accreditation.

Quality Assurance and Accreditation Awareness Seminars delivered 2013-14

S.No	Institution	Date	Venue	Chairperson	No. of Participants
1	GC University, Faisalabad	17-9-13	Auditorium	Vice chancellor	125
2	Pakistan Forest Institute, Peshawar	26-9-13	Auditorium	Dir. General	70
3	B.K. University, Charsadda	5-9-13	Auditorium	Vice chancellor	55
4	University of Swabi	18-9-13	Auditorium	Dean	62
5	BZU, Bahadur Campus, Layyah	9-10-13	Committee Room	Dean	45
6	Uni. of Vet. & Animal Sciences LHR	23-10-13	Seminar Room	Dean	54
7	Mian Nawaz Sharif Uni. of Agri. Multan	15-5-14	Seminar Room	Director	40
8	UAF Sub-Campus, Burewala at Vehari	16-5-14	Seminar Room	Director	36
9	Abdul Wali Khan University Mardan	27-5-14	Auditorium	Director QEC	44

IV. COUNCIL MEETINGS

i. Minutes of 9th Council Meeting:

46. The 9th meeting of the NAEAC was held on December 9, 2013 at 10:30 AM in the Mural Hall of HEC, H-9, Islamabad. The meeting was chaired by Dr. M. E. Tusneem, Chairman- NAEAC and attended by 13 members. The Chair expressed concern on the lack of interest on the part of some members who have been consistently absent and asked Secretariat to move for their replacement as per NAEAC rules.

47. The Secretary–NAEAC presented item-wise agenda of the meeting for information/consideration of the Council. A summary of the recommendations and decisions made at the meeting is given below.

Item #1: Confirmation of the Minutes of the Eighth Meeting of NAEAC

48. The draft minutes were e-mailed to the Council members for the comments and views. In the absence of any comments; the draft was finalized and Chairman, NAEAC approved and circulated to all Council members for their information and record.

Decision: The minutes of the eighth meeting of the Council held on 24 June 2013 were approved by the Council Members.

Item# II: Consideration/Approval of the Accreditation Recommendations/Ratings of Degree Programs for 2012-13

49. During FY 2012-13, the NAEAC Secretariat organized on-site visits of 12 agriculture education institutions for the external evaluation and accreditation of 65 degree programs covering 28 disciplines (BSc (Hons) and MSc (Hons)) covering the Institutions in Punjab, Sindh, KPK and AJK. Summary of the accreditation results was presented to the Council Members for consideration and approval.

50. The Members noted that one-third of accredited programs are rated in ‘Y’ category implying that the programs do not meet some major criteria for accreditation of the program. The members supported NAEAC’s recommendations that the Deans/HODs of such degree programs may be informed and advised to upgrade the quality and standard, based on the recommendations of AIC and the external evaluation by experts. They also agreed that these degree programs may be regularly monitored and their continuation may be linked to the progress in quality/improvement to ‘X’ category.

51. Chairman NAEAC observed that quality assurance is a primary objective of accreditation. Urgent efforts are needed to achieve the desired standard, the Heads of Institutions are requested to pay special attention to upgrade ‘Y’ rating to ‘X’ and higher to ensure quality education.

Decision: *The meeting endorsed the AICs recommendations/ratings of degree programs for FY 2012-13 and endorsed the recommendations of the Chair.*

Item# III: Revision of Accreditation Fee of Agriculture Degree Programs

52. The payment of prescribed accreditation fee is a requirement for the accreditation of agriculture degree programs. The fee structure which was approved in 2009 was initially kept nominal so as to provide incentive for accreditation. However, given the budgetary constraints, there is a need to revisit/revise the accreditation fee structure given the significant increase in the cost of accreditation exercise over the last five years. The present and proposed accreditation fee structure is given below.

S.No	Present Accreditation Fee Structure	Proposed Accreditation Fee Structure
i.	Accreditation Fee Shall be charged at Faculty level	No change
ii.	Minimum of Rs.50,000/ - with at - least Rs. 10,000/- per discipline accredited	Minimum of Rs.75,000/ - with at - least Rs.25,000/- per discipline accredited.
iii.	Maximum of Rs.100,000/ - for ten and more disciplines in a faculty.	Maximum of Rs.150,000/ - up to ten disciplines
iv.	--	Maximum of Rs.200,000/- for more than 10 disciplines

53. The Council Members noted that the proposal for per program accreditation fee increase is still very modest. The efforts made by NAEAC to minimize the expenditure of the on-site visits by availing public transport and paying modest honorarium to program evaluators/experts is highly appreciated. The accreditation cost is also shared in kind by most of the institutions by providing local transport as well as boarding/lodging facilities. Chairman, NAEAC indicated that future budget can be reduced further by adopting the principle of selection of a random sample of degree programs instead of covering all the programs similar to that of the external audit by the Government programs. The Council may also adopt need-based accreditation. Some members observed that a bulk share of accreditation cost may be borne by the host institutions.

Decision: *The Council Members agreed and approved the revised accreditation fee structure as proposed.*

Item#IV: Resource Constraints of NAEAC and Financial Sustainability

54. During 2011-12, HEC realized that notwithstanding the effort being made, two out of four accreditation Councils namely NAEAC and NACTE would not be able to attain financial sustainability due to the current budgetary situation and low tuition fee structure of government run universities. However, given the importance of accreditation, the Commission agreed to enhance the annual grant of these two Councils from Rs. 2 million to Rs. 4 million per annum to help expedite the accreditation activities. Recently, the budget division of HEC has raised the issue again and asked the Council to revisit the financial sustainability issue and current fee structure of accreditation.

55. The matter is submitted for discussion and consideration of the Council with the request that HEC authorities may be briefed by the Heads of degree awarding institutions if and when the issue comes up at the HEC meetings of Vice Chancellors that an Accreditation Council working with 100% public sector institutions cannot be expected to become financially self-supporting because the institutions cannot cover full cost of the accreditation. At present, NAEAC is exercising maximum financial prudence by adopting cost-saving measures. It is operating with minimal paid staff. It has already completed the first round of accreditation of 170 degree programs covering all the 17 institutions in Pakistan in five years and the host institutions are contributing in kind by providing on-site logistics and lodging facilities wherever possible, in addition to the prescribed accreditation fee and contributed enormously to quality assurance and capacity building of the institutions concerned.

Decision: *The members endorsed the views of the Chair and recommended that issue of financial sustainability may be taken up by the Heads of Agriculture Education Institutions with Higher Education Commission at an appropriate forum.*

Salary of NAEAC Staff

56. Reference Regulation Wing of Finance Division of the Government of Pakistan, Office Memorandum No.F1(2)Imp/2013594, dated 16 July 2013 regarding the Grant of Adhoc Relief Allowance-2013 @10% of Basic Pay to The Civil Employees of The Federal Government including contingent paid staff and contract employees. This decision has already been implemented by the Higher Education Commission. In view of the above, it is proposed that NAEAC employees may also be granted 10% increase in the salary with effect from 01-07-2013.

Decision: *The Council considered the request and viewed it genuine and realistic. Hence 10% increase in the salary of NAEAC employees was approved including 5% earlier increase with effect from July 01, 2013.*

V. ROSTER OF PROGRAM EVALUATORS

57. One of the main functions of the Council is to maintain a roster of experts/program evaluators (PEs) covering a wide range of expertise in more than 15 disciplines of Agriculture. These PEs are drawn from academia, research, and Agro-industry. Nominations are invited from the Vice-Chancellors of Agriculture Universities based on the eligibility criteria. The roster is maintained to facilitate the formation of Accreditation Inspection Committee (AICs) to carry-out accreditation process of degree programs. The roster of program evaluators is updated on continuing basis. At present, 125 experts/PEs are on the roster of the Council.

Discipline wise breakup is given below.

Discipline wise distribution of Program Evaluators		
S.No	Field of Expertise	No. of Experts
1	Agronomy	15
2	Agribusiness & Marketing	4
3	Agricultural Chemistry	3
4	Agricultural Economics	9
5	Agriculture Extension	6
6	Animal Sciences	7
7	Biotechnology	4
8	Entomology/Plant Protection	16
9	Food Technology	6
10	Forestry & Range Management	8
11	Horticulture	11
12	PBG	12
13	Plant Pathology	8
14	Soil Science	13
15	Weed Science	3
	Total	125

NAEAC organizes training workshops for its PEs to improve their skills and update knowledge about accreditation process and SWOT analysis etc. Two such training workshops have already been conducted each by an international resource person with expertise in accreditation and external evaluation. Third training workshop is planned towards the end of 2014 for thirty more participants.

VI. WORK PLAN FOR FY 2014-15

1. Accreditation Activities:

A summary of the degree programs to be accredited during 2014-15 is as follows:

S. No	Institution	Disciplines	Program Level
1	Department of Agriculture, University of Swabi	HORT, Entomology and Food Science	B.Sc (Hon) (3)
2	GCU FD Sub Campus, Layyah	Agronomy, HORT and Soil Science	B.Sc (Hon) (3)
3	Lasbella University of Agriculture, Water and Marine Sciences	Agronomy, Soil Science, HORT, PBG and Entomology	B.Sc (Hon) (5)
4	Balochistan College of Agriculture, QTA	-do-	B.Sc & M.Sc (10)
5	Fatima Jinnah University for Women, Karachi	Food Science	B.Sc (Hon) (1)
6	Department of Agriculture, Abdul Wali Khan University, Mardan	Agronomy, HORT, Food Science and Technology	B.Sc (Hon) (3)
7	Department of Agriculture, Bacha Khan University, Charsadda	PBG, Agronomy, HORT and Soil Science	B.Sc (Hon) (4)
8	Mian Nawaz Sharif University of Agriculture, Multan	Agronomy, HORT and Soil Science	B.Sc (Hon) (3)
9	UAF Sub-Campus, Burewala	-	-
10	Department of Biotechnology, University of Swat	Biotechnology	B.Sc (Hon) & M.Sc (Hon) (2)
11	Department of Agriculture, University of Haripur	Forestry and Range Management	B.Sc (Hon) (1)
12	Department of Forestry & Biotechnology, S.B.B. University, Sheringal, Dir	Forestry and Biotechnology	B.Sc (Hon) (2)
13	Seed Science Program, UAF	Seed Science	M.Sc (Hon) (1)

58. Accreditation being the primary function of the Council, it focuses on external evaluation and on-site visits of Agriculture Education Institutions concerned. The evaluation/accreditation of degree programs is based on well-defined criteria, procedures and policies. Accreditation process is carried-out through validation of Self-Assessment Reports of the degree programs as well as an objective assessment of the human, physical, financial resources and teaching-learning facilities available for the degree programs.

In addition to the accreditation activities, 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.

External evaluation and accreditation of more than 35 degree programs of various disciplines of Agriculture at 13 Education Institutions is planned in Punjab, Sindh, Khyber Pakhtunkhwa and Balochistan.

2. Quality Assurance and Accreditation Awareness Seminars

59. Main objective of the accreditation awareness seminars is to realize the importance of Quality Assurance and accreditation to the stakeholders. Hitherto, the Council has organized 27 such seminars at various institutions. Five awareness seminars are planned for FY 2014-15 at Karachi, Lasbella, Swat, Upper Dir and GCUF Layyah sub-Campus.

3. Program Evaluators Workshop

60. The program evaluators workshop is designed to discuss the latest techniques, methodologies, processes and experiences of the accreditation and quality assurance. It is conducted by a foreign expert who has extensive and rich experience in undertaking or managing Accreditation programs. The participants include expert evaluators, Deans, Professors, and subject matter specialists in various disciplines. The earlier workshops have yielded more skilled, consistent and objective program reviewers. The workshops provided an opportunity of exchange of views and experiences and helped enhance the credibility of accreditation process. The proposed workshop would focus on SWOT Analysis in the context of evaluation criteria and standards as well as enhance the capacity of reviewers for the write-up of AIC Reports reflecting objective, analytical and quantitative approach. The Council has already conducted two such workshops for its Program Evaluators (PEs) with the financial and technical support of Quality Assurance Agency (QAA) of HEC. Third workshop is planned in the last quarter of 2014-15 for about 30 participants.

4. National Conference of Deans and Directors of Agriculture

61. A National Conference is proposed to review the results of each implementation status of the recommendations of AICs for various degree programs. It is also aimed at sharing views and ideas to further improve accreditation process to make it more objective, unbiased and transparent.

The initial accreditation of the degree programs by the Council was for a period of five years to be followed as necessary for continuing improvement of the degree programs not meeting the desired standard. As such, re-accreditation of the degree programs rated in X3 category or lower have already become due. It is also imperative to monitor the implementation status of the accreditation recommendations made for the improvement of the quality of the degree programs in terms of teaching faculty, curriculum, infrastructures, teaching--learning resources and other needed facilities.

It is therefore proposed to hold a conference of Deans, Directors and HODs of these Agriculture Education Institutions in Feb/ March, 2015. The main objectives of the conference are as follows:

1. To review the current status of Accreditation Ratings vis a vis the minimum acceptable standards.

2. Implementation status of Accreditation Recommendations at the department and institution level.
3. To assess constraints for improvement in the quality and standard of teaching-learning resources and physical facilities.
4. To determine the extent of adoption of best practices and their impact on the quality of teaching-learning methods and accreditation ratings.

In this regard, the following two alternatives are proposed for consideration and decision of the Council.

- Convening a 1-2 day conference of all Deans, Directors and HODs of the Agri. Education Institutions or
- Organizing individual meetings of NAEAC with Deans, Directors and HODs in each Institution.
- The logistical arrangements and financing.

5. Meetings of the Council

62. Tenth meeting of the Council is scheduled for August/September, 2014.

6. Publicity and Advertisement

63. Accreditation activities and awareness seminars are flashed in the print media. Proceedings of Council meetings and workshops are also reported in the HEC News/Views.

7. Preparation of Annual Report

64. Preparation of Annual Report is obligatory, so far six annual reports have been published and circulated to all the Council members as well as other stakeholders. Seventh Annual Report for FY 2013-14 is under preparation and will be circulated to Council members for comments by September, 2014.

8. Financial and Audit Report

65. The Council is regularly preparing and submitting its financial and audit report to the QAA and Finance Division of HEC. The annual audit of NAEAC accounts for FY 2013-14 shall be completed by the commercial auditors in August, 2014 and the same shall be submitted to QAA for release of annual grant.

VII. THIRD ORIENTATION WORKSHOP FOR PROGRAM EVALUATORS (PE'S) OF NAEAC

66. Third Orientation Workshop of PE's is planned in the fourth quarter of FY 2013-14. The goal is to strengthen the NAEAC's capabilities to fulfill its mission more effectively through capacity building of evaluators in quality assurance and accreditation techniques, methodologies, process and proceedings.

Main objective of the Workshop are:

- i. To improve the technical skills of Program Evaluators (PE's) in undertaking external evaluation and accreditation process.
- ii. To undertake participatory SWOT Analysis and HEC's best practices for external peer review.
- iii. To exchange views and experiences to ensure consistency and uniformity of accreditation process across degree programs and institutions adhering to transparency, fairness and objectivity.
- iv. To establish the credibility of accreditation process as and results among stakeholders as an effective tool for quality improvement

Given the fact that Quality Enhancement is a relatively new initiative in Higher Education, the need for training of PE's can hardly be overemphasized. The NAEAC Secretariat has recognized the value and importance of this activity and has earlier benefitted from such trainings organized by Quality Assurance Agency (QAA), HEC. The QAA of HEC has initiated a training program for the program evaluators/assessors of its accreditation Councils. Two such workshops were conducted in June 2011 and December, 2012 each for 30 participants of NAEAC. The experts/program evaluators of NAEAC were drawn from 15 different disciplines and 10 institutions who possessed diversified academic backgrounds. Training focused on accreditation procedures, etiquettes, tools and quality standards and criteria for assessment and accreditation of agriculture degree programs.

Third training workshop in the series would be organized in the fourth quarter of FY 2013-2014 with the financial and technical support of HEC.

About 30 program evaluators representing 15 different disciplines from 10 institutions will participate in the training program to strengthen their capabilities to contribute to the quality assurance and accreditation program of NAEAC. These experts/program evaluators comprise senior Professors, Associate Professors and senior Scientists drawn from Agri. Education Institutions and R&D Agriculture Education Institutions in Pakistan who are on the roster of the Council.

Services of an accreditation expert (Prof. Colin) from Sri Lanka Accreditation Board have been requested as a resource person. He has already shown his consent for this assignment.

Annexure-I

NAEAC MEMBERSHIP

<p>Dr. M.E. Tusneem Chairman, NAEAC National Agriculture Education Accreditation Council Higher Education Commission (HEC), Tel: 051-90802680 (office), Fax # 051-90802682, Cell# 0333-5504499 Email: mtusneem@gmail.com</p>	<p>Prof. Dr. Shahana Urooj Co- Chairperson, NAEAC and Pro- Chancellor/Advisor to Chancellor, Jinnah University for Women, Karachi Off# 021-36620857, Fax: 021-36620614 Cell: 0302-8248268, Email:shahanaurooj@yahoo.com</p>
<p>1-Prof. Dr. Riaz Hussain Qureshi Ex-Advisor (HRD) Higher Education Commission (HEC), Sector H-9, Islamabad. House#24, St#25, Korang Town, Islamabad Off# 051-90400400, Fax# 051-90400403 Cell# 0300-5071063, Email: rquireshi@hec.gov.pk</p>	<p>2- Prof. Dr. Muhammad Arshad Dean Faculty of Agriculture, University of Agriculture, Faisalabad Off# 041-9200581, 9201091 Cell# 0300-8401348 Fax# 041-9201083 Email: deanagriuf@yahoo.com arshad_ises@yahoo.com</p>
<p>3-Prof. Dr. Safdar Ali Dean, Faculty of Crop & Food Sciences, PMAS Arid Agriculture University, Rawalpindi Off# 051- 9290153 Fax# 051-9290160, Cell# 0300-5817868 Email: asafdar@brain.net.pk</p>	<p>4- Prof. Dr. Mian Inayatullah Dean Faculty of Crop Protection KPK Agricultural University, Peshawar Ph# 091-9216550, Fax# 091-9216520, Cell# 0300-9026899, Email:prdrinayatmian@gmail.com</p>
<p>5-Dr. Shamasuddin Tunio Prof. & Dean Faculty of Crop Production Sindh Agriculture University, Tandojam Off# 0222-765870-Ext -351, Fax#022-2765300 (VC) Cell# 0344-3421375, Email: tunio@hotmail.com</p>	<p>6- Prof. Dr. Ghulam Jilani Dean, Faculty of Agriculture, Lasbela University of Agriculture, Lasbela Off# 0853-610923, Fax# 0853-610294, Cell# 0345-5150780 Email: drjilani@gmail.com</p>
<p>7-Dr. Tariq Bashir Deputy Chief (Science) Pakistan Council for Science and Technology (PCST) Sector G-5/2, Islamabad. Off# 051-9217316, Fax# 051-9205171 Cell# 0300-5069727 Email: tariq.bashir@pcst.org.pk</p>	<p>8- Dr. Nadeem Amjad Member/Incharge Natural Resource Division Pakistan Agriculture Research Council, Attaturk Avenue, Sector G-5/1, Islamabad Off# 051-8442315 Fax# 051-9202968 Cell# 0300-5199466 E-mail: parc.nadeem@gmail.com</p>
<p>9-Dr. Abid Mahmood Director General, Ayub Agriculture Research Institute, Faisalabad Ph# 041-9201671, Fax# 041-9201673 Cell# Email: dgaraari@yahoo.com</p>	<p>10- Nomination awaited from Agriculture Department Sindh</p>
<p>11-Mr. Ahmed Ali Zafar Additional Secretary, Planning (Agriculture) Agriculture Department, Government of Punjab, Civil Secretariat, Lahore Ph# 042-99210332, Fax#042-99210127 Cell# 0344-9176463, 0300-4818200,0303-4441247 Email: aazafar313@gmail.com</p>	<p>12- Prof. Muhammad Aslam Niazi Principal, Balochistan Agriculture College Quetta Chaman Road, Baleli, Quetta Ph# 081-2881214, Fax# 081-2880306 Cell# 0300-9388196 Email: niaziaslam@yahoo.com</p>

Continued

NAEAC MEMBERSHIP

<p>13- Dr. Nihal-ud-din Marri (Agronomist) Sugarcane Specialist Directorate General of Agriculture Research Sindh, Tandojam, District Hyderabad Ph# 0222-766275, Fax#0222-765504 Cell# 0302-3204064 Email: marinihaluddin@yahoo.com</p>	<p>14- Mr. Ahmad Said Chief Planning Officer, Dept. of Agriculture, Livestock & Cooperative KPK Secretariat, Peshawar Off#091-9210397, Fax# 091-9210025 Cell#0333-9137207 E-mail: ahmadsaid7@yahoo.com</p>
<p>15- Dr. Abdul Samad Director General Research Agriculture Research Institute (ARI) Tarnab, Peshawar Ph# 091-2964030, Fax# 091-2964097 Cell# 0302-5536523 E-mail: shakeeln@yahoo.com</p>	<p>16- Dr. Muhammad Javed Tareen Director General Research (ARI) Agriculture Research Institute, Quetta Ph# 081-2470079, Fax# 081-2470078 Cell# 0345-8346911, Email:jdtn69@yahoo.com</p>
<p>17- Mr. Sheikh M. Akmal Director M/s Acro Spinning & Weaving Mills Ltd, 106/3, Saint Johns Park, Lahore Cantt. Ph#042-36617401-03, Fax#042-36664307 Cell#0300-8474123 E-mail: sakmal@amjadweaving.com</p>	<p>18-Mr. Waseem Amjad Mahmood Secy. Pak. Fruit Processors Association, Shezan Intl. Ltd, 56 Bund Road, Lahore. Ph# 042-37466900-4, Fax# 042-37466895 Cell# 0332-8428363 Email: waseem.mahmood@shezan.com</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 Ph#051-4440859, 051-4434813 Fax# 051-4433597 Cell#0333-5252310 E-mail: info@fazalsteel.com</p>	<p>20- Mr. Iskandar M. Khan Director, Premier Sugar Mills & distillery Co. Ltd, 20-A, Markaz, F-7, Islamabad Ph# 051-2650805-7, Fax# 051-2651285-6 Cell# 0300-8555028 Email: iskander@premiergroupk.com</p>

Annexure-II

Agriculture Education Institutions in Pakistan

S#	Name	University/College	Office Ph#	Fax#	Cell/Email
A- Agriculture Universities					
1	Prof. Dr. Muhammad Arshad Dean Faculty of Agriculture, UAF	University of Agriculture, Faisalabad	041-9200581 9200161-70 /2900	041-9201083	0300-6608232 arshad_ises@yahoo.com deanagriuf@yahoo.com
2	Prof. Dr. Shamasuddin Tunio Dean Crop Production	Sindh Agriculture University, Tandojam	022-2765870 Ext 351 022-530732	022-2765300	0344-3421375 tunio@hotmail.com
3	Prof. Dr. Mian Inayatullah Dean Crop Protection	The University of Agriculture, Peshawar	091-9216550	091-9216520	0300-9026899 prdrinayatmian@gmail.com
4	Prof. Dr. Safdar Ali Dean Food & Crop Sciences	PMAS Arid Agriculture University, Rawalpindi	051-9290153	051-9290160	0300-5817868 asafdar@brain.net.pk deanfcfs@uair.edu.pk
5	Dr. Mustajab Ahmad Khan Acting Dean Crop & Plant Sciences	Lasbela University of Agriculture, Water & Marine Sciences, Uthal, Lasbela	0853-610923	0853-610294, 0853-610903 (V.C)	0331-5683968 mustajabak@yahoo.com
6	Prof. Dr. Muhammad Abid Coordinator	Muhammad Nawaz Sharif University of Agriculture, Multan	061-4009096	061-9210098	0300-7343316 kharalabid@yahoo.com
B- Agriculture Faculties/Institutes					
1	Prof. Dr. M. Saeed Khattak Dean Agriculture	Faculty of Agriculture, Gomal University, D.I. Khan	0966-750087	0966-750255	0300-9155157 saeed_khattak32@hotmail.com saeed_khattak32@yahoo.com
2	Dr. Muhammad Rafique Khan Dean Faculty of Agriculture	Faculty of Agriculture, University of Poonch, Rawalakot	05824-960007 058710-42688	05824- 960004	0302-5134561 mrafiquekhan58@gmail.com
3	Muhammad Ilyas Khan Director Campus	UAP-Amir Muhammad Khan Campus, Mardan	0937-560350 091-9216328 Ext 3194	0937-560350 091-9216520	0322-9119211 ilyastangi@yahoo.com
4	Prof. Dr. Muhammad Bismillah Khan	BZU Faculty of Agriculture and Technology, Multan	061-9210395	061-9210098 061-9210086	0331-7092348 khanecologist@gmail.com
5	Prof. Dr. Munir Ahmad Director IBMS	Institute of Business * Management Sciences, Faisalabad	041-9201096	041-9200200 (VC)	0333-6515315 ahmadm@uaf.edu.pk
6	Dr. Muhammad Saleem Haider Director	Institute of Agricultural Sciences, University of the Punjab, Lahore	042-99231847	042- 99231846 042- 99231187	0312-4155908 haider65us@yahoo.com director.iags@pu.edu.pk
7	Mr. Hakim Shah Director Forest Education	Pakistan Forest Institute, Peshawar	091-9216127	091-9216790	dfedpfi@gmail.com
8	Prof. Dr. Shafqat Nawaz Principal/Project Director	Sub Campus UAF Burewala, Vehari	067-3360252	—	0321-6393708 shafqat_nawaz@hotmail.com

* Few agriculture degree awarding programs are offered

Continued

Agriculture Education Institutions in Pakistan

S#	Name	University/College	Office Ph#	Fax#	Cell/Email
C- Agriculture Colleges					
1	Dr. Shafqat Saeed Principal	BZ University Agriculture College, Layyah - Bahadur Campus	0606-411251	0606-411252	0333-3749373 shafqatsaeed@bzu.edu.pk
2	Dr. Muhammad Iqbal Principal	College of Agriculture D.G. Khan	064-2689178	064-2689068	0333-6483090 driqbal_cadgk@yahoo.com
3	Prof. Muhammad Aslam Niazi Principal	Balochistan Agriculture College, Chaman Road, Baleli, Quetta	081-2881214 081-2880739	081-2880306	0333-7800896 niaziaslam@yahoo.com
4	Dr. Moazzam Jameel Principal	University College of Agriculture & Environmental Sciences, Bahawalpur	062-9255531	062-9250335	0331-7551370 moazzamjameel@yahoo.com agriculture@iub.edu.pk
5	Dr. Zafar Iqbal Principal	University College of Agriculture, University of Sargodha, Sargodha	048-3703662	048-3703665	0322-6637060 zafarrohils@yahoo.com
6	Mr. Abdul Ghafoor Magsi Principal	Shaheed Z.A Bhutto Agriculture College Dokri, Larkana	074-4043583	—	0333-7546918 principalszabac@gmail.com
D- Agriculture Departments					
1	Prof. Dr. Nowshad Khan Chairman/Dean	Department of Agriculture Sciences Allama Iqbal Open University, Islamabad	051-9250064 051-9057750	051-9250064	0333-5153487 doctornkhan@yahoo.co.uk
2	Dr. Saleem Shahzad Chairman	Department of Agriculture & Agribusiness Management, University of Karachi, Karachi	021-9261300 Ext 2546	021-9261340	0333-2209039 saleemshahzad_pk@yahoo.com
3	Prof. Dr. Abid Ha snain	Department of Food Science & Technology, University of Karachi	021-34823115	021-9926107	0300-2160365 abidhasnain@uok.edu.pk abidhasnain@hotmail.com
4	Dr. Samiullah Niazi HOD	Agriculture Department, * University of Haripur	0995-615397	0995-615394	0300-5144308 sami1643@yahoo.com samiullah@uoh.edu.pk
5	Dr. S. Salim Shah Chairman	Agriculture Department, * Bacha Khan University, Charsada	091-6540070- 68	091-6540062	0345-9390894 drsmshah@yahoo.com
6	Dr. Muhammad Umair Arshad	Department of Food Science, Nutrition & Home Economics, G.C. University, Faisalabad	041-9201440 041-9201315	041-9200671	0347-9650165 umairfood1@gmail.com
7	Prof. Dr. Mukhtar Alam Dean of Sciences & Arts	Department of Agri. Sciences, University of Swabi	0938-490237	0938-490238	0333-5100825 mukhtar@uoswabi.edu.pk faisalmaalik@uoswabi.edu.pk
8	Syed Sheraz Akhtar Campus Director	GC University Faisalabad * Layyah Campus	0606-412936	0606-412935	0321-8661474 syedsherazakhtar@hotmail.com
9	Dr. Badshah Islam Incharge	Department of Agriculture, * Shankar Campus, AWKU Mardan	0937-542086	0937-542086	0306-8520006 badshahislam@gmail.com

* Few agriculture degree awarding programs are offered

Annexure-III

Accreditation Rating of Degree Programs Completed in 2013-14

University/Department	Period of Inspection	Degree Program Rating (B.Sc + M.Sc)	Strengths/Weaknesses
1. University of Management & Technology, Lahore			
Department of Agri. Business AIC Report # 94	July 04, 2013	Lower band of 'Y3' with 51% score	Strength ○ Adequate infrastructure and learning resources are available. Weaknesses ○ Lack of experienced, PhD highly qualified and full time relevant faculty. ○ Inadequate curriculum of MS Agri. Business degree program, unapproved by HEC. ○ Lack of access to faculty members by the students.
2. Pakistan Forest Institute, Peshawar			
Department of Forestry AIC Report # 95	Dec 16-17, 2013	Lower band of 'X3' with 65% score	Strength ○ The institute has well-established division of forest education, forest research and sericulture with central library and GIS lab. Weaknesses ○ Serious shortage of PhD qualified as well as senior and regular faculty positions including Professors and Associate Professors ○ The curriculum of the institute for BSc and MSc degree program requires up-gradation to make it market demand oriented and globally comparable. ○ IT facilities are inadequate and need to be upgraded. ○ R&D activities require up-gradation and strengthening with the collaboration of academia and R&D institutions.
3. B.Z.U Bahadar Campus Layyah			
Department of Entomology AIC Report # 97	March 19, 2014	Lower band of 'Z3' with 42% Score	Weaknesses ○ Serious shortage of full time, senior and regular faculty of Professor/Associate Professor Level. ○ Labs, library and other learning resources grossly inadequate. ○ IT facilities and research/reference material insufficient. ○ Non-availability of a greenhouse for experimental activities.
Department of Agronomy AIC Report # 102	March 19, 2014	Lower band of 'Y3' with 50% Score	Strength ○ Bahadar Sub-Campus, Layyah is part of well-established BZU with a teaching faculty of five including four PhDs. Weaknesses ○ Absence of senior and experienced faculty of Professors and Associate Professors. ○ Inadequate lab and IT facilities. ○ Very few text and reference books. ○ Shortage of farm machinery and implements.
4. University College of Agriculture & Environmental Sciences, Islamia University, Bahawalpur			
Department of Forestry, Range and Wildlife Management AIC Report # 98	March 5-6, 2014	Lower band of 'X3' with 64% score	Strength ○ Teaching faculty of five including four young PhDs. Weaknesses ○ Shortage of senior and experienced faculty of Professors and Associate Professors. ○ Insufficient text books, reference books and IT facilities. ○ Inadequate facilities for field visits and study tours.
Department of Food Science AIC Report # 117	March 5-6, 2014	Middle band of 'Y2' with 56% score	Weaknesses ○ Shortage of faculty including senior and qualified members. ○ Lack of requisite lab. facilities. ○ Existing teaching faculty of two members requires training for improving teaching and research skills. ○ No departmental library. Central library of the college has few books on Food Science and Technology.

Continued

Accreditation Rating of Degree Programs Completed in 2013-14

University/Department	Period of Inspection	Degree Program Rating (B.Sc + M.Sc)	Strengths/Weaknesses
5. Institute of Agricultural Sciences, University of the Punjab, Lahore			
Department of Horticulture AIC Report # 99	March 3-4, 2014	Lower band of 'X3' with 65% score	<p>Strength</p> <ul style="list-style-type: none"> ○ BSc (Hons) degree program avails the facility of already established experimental farm and greenhouse, etc. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Faculty of four young PhDs having shortage of senior and experienced faculty members. ○ Inadequate graduate research infrastructure including floriculture, biotechnology and post-harvest areas. ○ Funds for academic research as well as repair and maintenance work are grossly insufficient.
Department of Food Science AIC Report # 116	March 3-4, 2014	Upper band of 'Y1' with 60% score	<p>Strength</p> <ul style="list-style-type: none"> ○ Faculty of four PhD qualified teachers. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Shortage of adequately experienced and senior faculty of Professors and Associate Professors. ○ Unavailability of food processing and analytical facilities. ○ Grossly Inadequate laboratories with shortage of equipment. ○ Untrained/unqualified lab. staff.
6. GC University, Faisalabad			
Department of Food Science, Nutrition and H. Economics AIC Report # 96	Oct 30-31, 2013	Middle band of 'X2' with 72% Score	<p>Strength</p> <ul style="list-style-type: none"> ○ Adequate infrastructure and young faculty of 14 Assistant Professors & Lecturers including 10 PhDs. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ The degree programs are without any senior and experienced faculty of Professor and Associate Professor. ○ Lack of food processing unit and shortage of critical Lab. Equipment.
7. University of Haripur			
Department of Agronomy AIC Report # 108	March 20, 2014	Lower band of 'Y3' with 52% Score	<p>Weaknesses</p> <ul style="list-style-type: none"> ○ Absence of qualified and senior faculty. ○ Insufficient and very limited facilities for Labs and experimental farms. ○ Lack of co-curriculum, recreational and indoor-outdoor sports facilities. ○ Lack of exposure of students to other universities and teaching/research institutions. ○ Shortage of Library Books and IT facilities.
Department of Entomology AIC Report # 107	March 20, 2014	Middle band of 'Y2' with 56% Score	<p>Strength</p> <ul style="list-style-type: none"> ○ Faculty and students seem satisfied with existing teaching/learning environment. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Lack of highly qualified and senior faculty as Professors and Associate Professors. ○ Non-availability of separate Entomology laboratory and lab equipment. ○ Limited infrastructure as teachers offices, glass house and field research facility; Shortage of supporting staff of the laboratories. ○ Non-availability of departmental library and IT facilities.

Continued

Accreditation Rating of Degree Programs Completed in 2013-14

University/Department	Period of Inspection	Degree Program Rating (B.Sc + M.Sc)	Strengths/Weaknesses
Department of PBG AIC Report # 105	March 20, 2013	Middle band of 'Y2' with 56% Score	Weaknesses <ul style="list-style-type: none"> ○ Inadequate full time PhD senior/experienced faculty vis-à-vis standard criteria. ○ Inadequate teaching/research laboratories and on-farm experimental facilities. ○ Shortage of recommended text and reference books. ○ Inadequate teaching facilities including faculty offices, seminar rooms and committee rooms, etc. ○ Unsatisfactory IT-facilities due to frequent electricity break-downs.
Department of Food Technology AIC Report # 110	March 20, 2013	Lower band of 'Y3' with 51% Score	Weaknesses <ul style="list-style-type: none"> ○ Grossly inadequate lab. facility including food processing unit. ○ Very limited availability of research and reference material for post-graduate research. ○ Unsatisfactory infrastructure such as class rooms, faculty offices and committee room/seminar room. ○ Absence of full time senior faculty of Professors and Associate Professors.
Department of HORT AIC Report # 106	March 20, 2013	Lower band of 'Y3' with 54% Score	Weaknesses <ul style="list-style-type: none"> ○ Absence of qualified (PhDs) experienced faculty. ○ Independent Lab. facilities for Horticulture are unavailable. ○ Limited availability of text books and reference material. ○ Lack of departmental library and internet facilities. ○ Limited opportunities for students to undertake study tours/visits to some model farms.
Department of Soil Science AIC Report # 109	March 20, 2013	Upper band of 'Z1' with 48% Score	Weaknesses <ul style="list-style-type: none"> ○ Non-existence of separate faculty of Agricultural Sciences comprising relevant departments. ○ Shortage of permanent and senior/experienced faculty members as professors and associate professors. ○ No access to the international Journals and reference material besides shortage of text books. ○ Insufficient PhD faculty. ○ Lack of departmental library and internet facilities.
8. University of Swabi			
Department of PBG AIC Report # 114	April 02, 2014	Lower band of 'X3' with 67% Score	Strength <ul style="list-style-type: none"> ○ Well qualified teaching faculty with PhDs including one professor and four Assistant Professors. Weaknesses <ul style="list-style-type: none"> ○ Incomplete faculty pyramid without Associate Professor and Lecturers. ○ Inadequate lab and lab equipment, faculty offices and class rooms. ○ Lack of greenhouse and experimental farm facilities. ○ Inadequate IT facility including access to HEC digital library.
Department of Agronomy AIC Report # 115	April 02, 2014	Middle band of 'Y2' with 55% Score	Weaknesses <ul style="list-style-type: none"> ○ Serious shortage (only two teachers) of teaching faculty having one PhD. assistant professor with inadequate teaching experience. ○ Non-availability of labs, lab equipment, class rooms and faculty offices. ○ Insufficient learning resources including IT facility and access to HEC digital library. ○ Lack of well-equipped experimental farm & greenhouse.

Continued

Accreditation Rating of Degree Programs Completed in 2013-14

University/Department	Period of Inspection	Degree Program Rating (B.Sc + M.Sc)	Strengths/Weaknesses
9. S.Z.A.Bhutto Agriculture College, Dokri			
Department of Agronomy AIC Report # 101	Mar 30-31, 2014	* Lower band of 'Y2' with 56% Score	<p>Strength</p> <ul style="list-style-type: none"> ○ Teaching faculty consists of five members of Assistant Professor level having 10-15 years teaching experience. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Shortage of PhD qualified and senior level faculty. ○ IT facilities highly unsatisfactory due to non-availability of equipment and frequent electricity break-downs. ○ Undergraduate Labs and Library facilities are grossly inadequate. ○ Insufficient and non-functional agricultural machinery and farm implements.
Department of HORT AIC Report # 100	Mar 30-31, 2014	* Lower band of 'Y3' with 50% Score	<p>Strength</p> <ul style="list-style-type: none"> ○ College has well planned spacious building and related infrastructure. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Overall shortage of faculty and lack of senior and qualified teachers holding PhDs. ○ Lack of library facilities and periodicals and journals. ○ Limited intake of 8 students in the discipline.
Department of Soil Science AIC Report # 111	Mar 30-31, 2014	* Middle band of 'Z2' with 44% Score	<p>Weaknesses</p> <ul style="list-style-type: none"> ○ Serious shortage of teaching faculty, just one teacher offering major in soil science. ○ Adequately qualified and experienced faculty with PhD is absent. ○ Inadequate labs and lab equipment. ○ Library facility is inadequate containing some old books and reference material. Latest editions of text books and research journals are un-available. ○ The faculty offices as well as classrooms and laboratories lack internet facility and multimedia teaching aids, etc.
Department of PBG AIC Report # 104	Mar 30-31, 2014	* Middle band of 'Z2' with 44% Score	<p>Weaknesses</p> <ul style="list-style-type: none"> ○ Acute shortage of faculty having two teachers only of Assistant Professor level. ○ Absence of senior faculty members (Professor and Associate professor) on permanent or TTS basis. ○ Lack of departmental library and internet facilities for faculty. ○ Lack of latest editions of text books, only two text books are available in the library and little or no reference material available. ○ Lack of administrative control due to limited financial authority with Principal. ○ No greenhouse facilities for controlled experiments and lack of implements for proper conduct of experiments in the field. The AIC considers that the degree program should either be stopped or upgraded.
10. UAPeshawar AMK Campus, Mardan			
Department of Soil Science AIC Report # 118	April 24, 2014	* Middle band of 'Y2' with 58% Score	<p>Strength</p> <ul style="list-style-type: none"> ○ Ph.D. qualified faculty of four comprising one Associate Professor, two Assistant Professors and one Lecturer. <p>Weaknesses</p> <ul style="list-style-type: none"> ○ Grossly inadequate lab. facilities having limited equipment. ○ No access to HEC digital library and international journals. ○ Shortage of relevant course books and text books. ○ Lack of departmental library and internet facilities. ○ No tangible collaboration with the agro-industry.

* B.Sc (H) only

Continued

Accreditation Rating of Degree Programs Completed in 2013-14

University/Department	Period of Inspection	Degree Program Rating (B.Sc + M.Sc)	Strengths/Weaknesses
Department of HORT AIC Report # 121	April 24, 2014	* Lower band of 'Y3' with 54% Score	Weaknesses <ul style="list-style-type: none"> ○ Shortage of teaching faculty especially highly qualified (PhDs) and experienced teachers. ○ Grossly inadequate provision of labs. and lab. equipment. ○ No departmental library, very few text books and no research journals. ○ Unsatisfactory IT facilities and other learning resources.
Department of Agronomy AIC Report # 113	April 24, 2014	* Lower band of 'Y3' with 52% Score	Weaknesses <ul style="list-style-type: none"> ○ Insufficient qualified teaching faculty, lab. and support staff. ○ Lack of faculty offices, class rooms, laboratory space, computer and library facilities. ○ Non-existence of sports, co-curriculum, recreational facilities. ○ Absence of well-developed and equipped research farm.
11. UCA University of Sargodha			
Department of Animal Sciences AIC Report # 119	April 29, 2014	Lower band of 'Y1' with 60% Score	Strength <ul style="list-style-type: none"> ○ The Teaching faculty of six members including two PhD Assistant Professors and four lecturers. Weaknesses <ul style="list-style-type: none"> ○ Shortage of senior faculty members of Professors and Associate Professors level. ○ Departmental labs are deficient in equipment and lab staff. ○ Curriculum needs revision to include courses on meat production and processing etc. ○ Few faculty offices with no departmental library.
Department of Agri. Economics AIC Report # 120	April 29, 2014	Middle band of 'Y2' with 59% Score	Weaknesses <ul style="list-style-type: none"> ○ Shortage of senior, highly qualified (PhD) and experienced faculty. ○ Lack of infrastructure in terms of faculty offices and IT facilities. ○ Insufficient number of text books, reference books and journals. ○ Weak and ineffective internship program.
Department of Forestry and Rgmt AIC Report # 112	April 29, 2014	Upper band of 'Y1' with 63% Score	Strength <ul style="list-style-type: none"> ○ Teaching Faculty consists of six members including two PhDs. Weaknesses <ul style="list-style-type: none"> ○ Inadequate infrastructure including labs., faculty offices and classrooms. ○ Limited Number of text books and reference books and no research journals. ○ Lack of field research facility and very limited study tours.
12. IBMS, UAF			
Department of Agri. Business & Marketing AIC Report # 103	Jan 16-17, 2014	Lower band of 'Y1' with 62% Score	Strength <ul style="list-style-type: none"> ○ The institute is a part of the reputed University of Agriculture, Faisalabad. Weaknesses <ul style="list-style-type: none"> ○ Shortage of senior, experienced and relevant full time faculty. ○ Inadequately designed curriculum. ○ Poor physical infrastructure and lack of state-of-the art equipment. ○ Absence of relevant professional and dynamic leadership. ○ Limited internship opportunities and in-effective linkages with established and leading agro industry.

* B.Sc (H) only

ANNUAL AUDIT REPORT OF NAEAC, 2013-14



Suite: 510, 5th Floor,
Abu Dhabi Towers,
F-11/1, Islamabad,
Pakistan.
T: +92 (51) 2111906-07
F: +92 (51) 2111908
E: info@thexmk.com
W: thexmk.com

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, 2014 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, 2014.

ISLAMABAD
Dated: August 11, 2014


ZIA MASOOD KIANI & CO.,
Chartered Accountants

Engagement Partner
Zia Ullah -FCA



**NATIONAL AGRICULTURE EDUCATION
ACCREDITATION COUNCIL
RECEIPT AND EXPENDITURE STATEMENT
FOR THE YEAR ENDED JUNE 30, 2014**

	Note	2014 Rupees
Receipts	2	4,525,000
Expenditures		
Establishment costs		2,006,391
Honorarium for program evaluators		535,000
Other benefits		120,000
TA/DA		480,105
Transportation		53,750
Communication		49,346
Stationery and other supplies		71,084
Printing and publication		72,000
Other miscellaneous expenses		23,137
Computer and office equipment		124,812
Furniture and fixture		64,260
Audit remuneration		27,600
Publicity and advertisement		160,132
Meeting and seminars		110,019
		3,897,636
Excess of receipts over expenditure		<u>627,364</u>

The annexed notes from 1 to 7 form an integral part of the financial statement.


SECRETARY


FINANCE OFFICER

PRESS RELEASES

NEWS & VIEWS

Higher Education Commission, Pakistan January/February 2014

NAEAC Inspection Committees Visits 3 Universities

The Accreditation Inspection Committees of the National Agriculture Education Accreditation Council (NAEAC) visited three universities recently, for external evaluation and accreditation of different programmes.

First on-site accreditation visit was carried out at the Department of Food Sciences at GCU, Faisalabad, the second one at Pakistan Forest Institute (PFI), Peshawar to accredit its Forestry Degree programmes and the third one at the Institute of Business and Management Sciences (IBMS), University of Agriculture, Faisalabad to evaluate and accredit

agribusiness and marketing degree programmes of the Institute.

9th meeting of NAEAC
Meanwhile, the ninth meeting of NAEAC was held in December 2013 at HEC Islamabad.

The meeting was chaired by Dr. M.E. Tusneem, Chairman NAEAC and was attended by the Council Members representing agricultural education institutions, research institutes, ministries of agriculture, agro-industry, etc.

The Council reviewed status of 65 accredited degree programmes, during FY 2012-

13, of different agriculture institutions. Revision of accreditation fees of agriculture degree programmes was considered and approved by the Council members.

Financial sustainability and resource constraints issue of NAEAC was also deliberated during the meeting. The Chairman NAEAC expressed satisfaction over exponential growth in the accreditation of degree programmes.

He also referred to the planned activities of the Council along with proposed and revised budget.

NEWS & VIEWS

Higher Education Commission, Pakistan April 2014

NAEAC Accreditation Committees Visit IUB, Punjab University

The Accreditation Inspection Committees of National Agriculture Education Accreditation Council (NAEAC) visited Institute of Agricultural Sciences (IAGS), University of The Punjab, Lahore from March 3-4, 2014 and the University College of Agriculture (UCA), Islamia University, Bahawalpur from March 5-6, 2014.

External evaluation and accreditation is an important and primary function of NAEAC mandated by the Higher Education Commission. Accreditation/rating process is carried-out through validation of Self-Assessment Reports of the degree programmes as well as an objective assessment of the human, physical, financial resources and facilities available for BSc (Hons) and MSc (Hons) degree programmes.

So far, evaluation and accreditation of 18 degree programmes at five different agriculture education institutions has been accomplished by the Council experts during 2013-14. The Council has planned to accomplish its annual target of accreditation of 40 degree programmes successfully by the end of June 2014.




PICTURE GALLERY



Visit of AIC to GC University, Faisalabad



Visit of AIC to PFI, Peshawar

PICTURE GALLERY



Visit of AICs to IAGS, University of the Punjab, Lahore



Visit of AICs to IBMS, UAF



Visit of AICs to UCA & Environmental Sciences, Bahawalpur

PICTURE GALLERY



Visit of AICs to BZU, Bahadar Sub Campus, Layyah



Visit of AICs to Agriculture Department, University of Haripur



Visit of AICs to S.Z.A. Bhutto Agriculture College, Dokri

PICTURE GALLERY



Visit of AICs to University of Swabi



Visit of AICs to AMK, UAP, Mardan



Visit of AICs to UCA, University of Sargodha

National Agriculture Education Accreditation Council (NAEAC)
NAEAC Secretariat, Room# N-2, Sports Block, Old Comsats Building
Higher Education Commission (HEC), H-8/1, Islamabad
Ph No. 051-90802681, Fax No. 051-90802682
www.naeac.org