



ANNUAL REPORT

2009-2010



**National Agriculture Education
Accreditation Council**

ACRONYMS

HEC	Higher Education Commission
NAEAC	National Agriculture Education Accreditation Council
EC	Executive Committee
AIC	Accreditation Inspection Committee
QEC	Quality Enhancement Cell
LOI	Letter of Intent
SWOT	Strengths, Weaknesses, Opportunities and Threats
PARB	Punjab Agricultural Research Board
PARC	Pakistan Agricultural Research Council
PCST	Pakistan Council for Science and Technology
PSF	Pakistan Science Foundation
UNDP	United Nations Development Programme
UAF	University of Agriculture, Faisalabad
PMAS	Pir Mehr Ali Shah
KPK	Khyber Pakhtunkhwa
SAU	Sindh Agriculture University
QAA	Quality Assurance Agency
CPI	Consumer Price Index
PEC	Pakistan Engineering Council
QPR	Quarterly Progress Report
SWC	Soil and Water Conservation
TA/DA	Travelling Allowance/Daily Allowance

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Chairman's Message



Modernization of agriculture production systems and supply chain into high value agriculture products is fundamental for accelerated agriculture growth, sustainable food security, and reduction of rural poverty. Modern agriculture has become increasingly knowledge-based and technology driven. The continuing need for improvements in the quality of higher education and learning innovations in agriculture is therefore of vital importance to produce graduates who are scientifically well equipped to promote knowledge-based agriculture economy and make agriculture sector more productive, profitable and competitive. This underpins the rationale for establishment of the National Agriculture Education Accreditation Council (NAEAC) by the Higher Education Commission (HEC), Government of Pakistan.

The NAEAC's mandate is to implement a comprehensive program of accreditation of agriculture education degree programs based on policies, procedures, and criteria setup by HEC to assure high quality and standard of education. The accreditation and rating of the degree programs based on external reviews and publication of their ranking is therefore the most important function of the NAEAC. The quality includes not only the faculty, curriculum, and teaching/learning methods but also the physical infrastructure of the education institutions concerned. The quality assurance is basically the responsibility of the agriculture institutions concerned and they are required to establish a Quality Enhancement Cell (QEC). The role of NAEAC is that of external reviewer and facilitator to assist the institutions in their quality assurance and enhancement of degree programs on a continuing basis and to accredit the degree programs which meet the required standards. It also assists in the quality enhancement of the teaching/learning innovations based on international best practices so as to produce agriculture graduates who provide strong leadership for development of science-based agriculture sector.

I am pleased to report that NAEAC's achievements during 2009-10, were remarkable. It accredited 18 agriculture degree programs at four education institutions i.e. 8 at PMAS Arid Agriculture University, Rawalpindi; 4 at University of Agriculture, Faisalabad; 4 at KPK Agricultural University, Peshawar and 2 at Institute of Plant Pathology, University of the Punjab, Lahore. The accreditation reports of these will be posted on the NAEAC website after their approval by the Council. For 2010-11, it is planned to fast track the process and carry out accreditation of 32 degree programs at four agricultural universities including PMAS Arid Agriculture University (10), University of Agriculture, Faisalabad (10), KPK Agricultural University, Peshawar (8), and Sindh Agriculture University, Tandojam (4).

With a view to enhance the quality and transparency of accreditation process; and to build public confidence, the Council is actively seeking feedback from its stakeholders including graduate students, faculty, alumni and the employers of agriculture graduates. I take this opportunity to acknowledge the guidance and support of the Council Members, HEC Management, and Quality Assurance Division of HEC. As well, the cooperation and support of the Vice Chancellors, Deans, and Faculty of the Universities and the hard work of NAEAC Secretariat staff is gratefully acknowledged and much appreciated.

A handwritten signature in black ink, appearing to read 'M.E. Tusneem'.

Dr. M.E. Tusneem
Chairman - NAEAC

EXECUTIVE SUMMARY

National Agriculture Education Accreditation Council (NAEAC) is mandated to improve the standard and quality of education of the agriculture degree programs based on established standards, policies, procedures and criteria. The overall objective of accreditation is to improve the quality of education, enhance the capacity of institutions and upgrade physical infrastructure to achieve and sustain academic excellence. All institutions in Pakistan which provide a recognized agriculture degree are required to apply to the Council to have their degree programs accredited.

Evaluation and accreditation of the degree programs is the primary and most important function of the Council. During 2009-10, it completed Accreditation Inspections of nine disciplines with eighteen (18) degree programs at three agriculture universities. The evaluation and accreditation was carried out through on-site visits at PMAS AAU, Rawalpindi (8), University of Agriculture, Faisalabad (4), KPK Agricultural University, Peshawar (4) and Institute of Plant Pathology, New Campus, Punjab University, Lahore (2). Cumulatively, NAEAC has been able to accomplish 28 degree programs thus far as against 30 degree programs set by HEC as of 2009-10. It is planned to carryout on-site accreditation of 32 degree programs during 2010-11.

As a part of its awareness campaign, the NAEAC arranged four Awareness Seminars at different agriculture education institutions during 2009-10 to highlight the need and importance of accreditation among the stakeholders and sensitize them regarding the significance of accreditation process for quality assurance, learning innovations and capacity building. Five such seminars are planned during 2010-11 to ensure maximum coverage of all the Agriculture Education Institutions in Pakistan within the limitation of budgetary resources.

These seminars are planned to be held at Agriculture College D.G. Khan; Sindh Agriculture University, Tandojam; Agriculture, Water and Marine Sciences University, Lasbella; Agriculture College Dhokri and Department of Agriculture Sciences, Allama Iqbal Open University, Islamabad.

Maintenance of roster of Experts/Program Evaluators is obligatory. Presently, about 80 Program Evaluators/Experts representing all major disciplines and degree programs of agriculture are on the roster of NAEAC. The roster is continuously revised and updated to ensure high quality of Evaluators. Accreditation Inspection Committees (AICs) are constituted by the competent authority from the NAEAC roster of experts. It would be further updated during 2010-11 and placed on website.

During 2009-10, two (2) meetings were organized in which important issues were deliberated and policy decisions were taken. The decisions of the Council were followed up by the NAEAC Secretariat for implementation by all concerned. In view of the prevailing financial constraints, the Council agreed in its meeting on January 23, 2010 that no more than two meetings per year can be held as against four desired by HEC.

The development and updating of data-base is a continuing activity. An e-mail survey was conducted through a two-page questionnaire. The data were collected, compiled and analyzed. Five summary tables on enrollment, graduates produced, physical and lab facilities and lists of completed and on-going funded research projects by the faculty were prepared and shared with the Agriculture Education Institutions. More institutional data/information will be collected through on-site visit and routine communication to validate the database. The NAEAC website (www.naeac.org) is being updated regularly by adding new information/data relevant to agriculture education institutions in the country and accreditation of degree programs developments in this area.

The Council issued various press releases during 2009-10 to promote and publicize the role and functions of the NAEAC and its activities for the awareness of all the stakeholders. It has also published a brochure highlighting NAEAC mission, mandate, functions, organization, achievements and future plans. The brochure provides a quick fact sheet for all stakeholders on the mandate and the activities of the Council.

I. INTRODUCTION

1. The Higher Education Commission (HEC) of Pakistan attaches high importance to quality assurance of degree programs and capacity enhancement of degree awarding institutions. The accreditation is a two tier process implemented at program and institutional level. Accreditation Councils have been setup covering all major areas of education with the objective of accreditation of degree programs offered in the country. These Accreditation Councils are responsible for program accreditation in the respective subject and enjoy autonomy and independence in terms of implementation of accreditation process under the policy guidelines of the HEC.

2. Quality assurance in higher education is an important issue of concern for everyone involved in education: the academia, students, parents, administrators as well as tax payers. Accordingly, there is growing interest and commitment to implement effective quality assurance system so as to compete as a nation in the world of globalization. However, this needs a high level of commitment and cooperation from all concerned including education administrators, faculty members and students to meet the challenges of knowledge economy as envisaged in vision 2030 and make Pakistan a prosperous and developed country.

3. The National Agriculture Education Accreditation Council (NAEAC) strives to improve the quality of agriculture education degree awarding programs based on standards, procedures and criteria established by HEC. A key to the successful accreditation is the effectiveness and clarity of the standards and criteria for accreditation on the one hand and quality of the evaluators on the other.

4. The process of assessment and accreditation adopted by NAEAC involves helping the institutions to carry out their SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis to enable them self appraise their programs and participate in the evaluation process along-with the Council.

II. ACCREDITATION ACTIVITIES

5. NAEAC has developed seven criteria and an accreditation framework for the evaluation of degree programs. These criteria cover almost all aspects of a degree program and include strength and quality of faculty, curriculum design and development, infrastructure and teaching-learning resources, students support and progression, research and consultation, governance and leadership, and innovative practices etc. The accreditation framework consists of five phases:

6. In the first phase, the consent or Letter of Intent (LOI) from the Institution is received offering degree programs for accreditation. In the second phase, Self-Assessment Report (SAR) of the concerned discipline is acquired either from the Head of the Department (HOD) or Quality Enhancement Cell (QEC) of the Institution as per HEC guidelines. The third phase desk review and analysis of the SAR is carried out by the subject experts/evaluators. In the fourth phase, Accreditation Inspection Committee (AIC) carries out an on-site visit for the validation of Self Assessment Report (SAR) and analysis of strengths, weaknesses, opportunities and threats (SWOT) jointly with the faculty. In the fifth phase, AIC submits its report embodying criteria-wise analysis, SWOT analysis, accreditation rating for quality enhancement and recommendations.

7. The Accreditation Inspection Committees play a key role in the whole process. As this is a participatory exercise in partnership with peers; the AIC should stress on strengthening of this partnership. AIC generally comprises 2 to 3 members including the convener and members are drawn from the roster of experts maintained by the NAEAC. Approval of AIC is accorded by the Chairman NAEAC. The Committee (AIC) has the following general terms of reference (TORs):

- To validate the self-assessment report (SAR) of the degree programs (B.Sc and M.Sc(Hons)) prepared by the concerned departments.
- To carryout evaluation of the degree programs in a transparent, neutral, holistic and participatory manner for accreditation and rating based on evaluation criteria given in the Evaluation Manual prepared by NAEAC/HEC.

- To submit synthesized and concise analytical report (4-5 pages) consisting of SWOT analysis and actionable recommendations based on the discussions/interactions with the Dean, Chairman, Faculty Members, Students and Support Staff and employers/alumni. It also includes comments on the quality and adequacy of physical infrastructure, facilities and the teaching-learning resources and dynamics.
- To submit specific recommendations on the degree programs accreditation and rating to the Chairman-NAEAC within two weeks of the on-site visit.

8. The evaluation and accreditation of degree programs is the single most important function of the Council. During 2009-10, accreditation and on-site inspections of nine disciplines with 18 degree programs were carried out at the Pir Mehr Ali Shah (PMAS) Arid Agriculture University, Rawalpindi (8), University of Agriculture Faisalabad (4), Khyber Pakhtunkhwa Agricultural University, Peshawar (4) and Institute of Plant Pathology, Punjab University, Lahore (2). An outline of the accreditation activities at these agriculture education institutions of higher learning is given below and the results are provided in Annexure-I. The detailed evaluation reports and recommendations are available at NAEAC Secretariat and on website of NAEAC.

A. Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi

1. Degree Programs in Plant Breeding and Genetics and Soil Science

9. Accreditation activities at PMAS Arid Agriculture University were initiated in the month of December, 2009. Dean of the Agriculture faculty after consultation with the Head of the Departments (HODs) offered the disciplines of PBG and Soil Science for external evaluation.¹ Hence, two AICs were constituted and approved by the competent authority to carry out accreditation process simultaneously for the degree programs of PBG and Soil Science. A set of documents containing Self-Assessment Report (SAR) of the discipline, Evaluation Manual, Accreditation Framework and Accreditation outcomes etc was prepared for each discipline and provided to the

¹ The AIC on PBG comprised of Prof. Dr. Hidayat ur Rahman, KPK Agricultural University Peshawar and Dr. Syed Dilnawaz Ahmed Gardezi, Faculty of Agriculture, Rawalakot, AJK. The AIC on Soil Science consisted of Prof. Dr. Muhammad Kaleem Abbasi, Dean Faculty of Agriculture, Rawalakot, and Prof. Dr. Zahir Shah, KPK Agricultural University, Peshawar.

Program Evaluators. Program itinerary was finalized with the mutual consent of the HODs and the NAEAC Secretariat. On-site accreditation inspection visit was planned from December 9-10, 2009. On first day of the visit, Chairman-NAEAC also accompanied the AIC. He was briefed by the Dean and HODs about the academic activities of the university. The chairman also made a courtesy call on the Vice Chancellor and apprised him of the accreditation activities already completed and those planned for the year 2009-10.

10. On the basis of the inspection/evaluation, the review teams unanimously recommended accreditation of the degree programs of the departments of Plant Breeding and Genetics and Soil Science, PMAS Arid Agriculture University, Rawalpindi in the “X” category as per HEC rating system i.e. Degree Program having minor shortfalls (Annexure-I).

2. Degree Programs in Agronomy and Plant Pathology

11. Head of Departments of these disciplines offered degree programs for evaluation in February, 2010. Self-assessment reports and Institutional data were collected from the HODs. It was agreed to organize the on-site visit of the AICs from March 03-04, 2010. Competent Authority



AIC Members meeting with the Dean

approved two AICs, one each for Agronomy and Plant Pathology. The AICs² carried out the evaluation in a holistic, transparent and unbiased manner and accomplished the task successfully. Salient findings and recommendations of the draft reports were shared by AICs with the Dean and HODs. Final reports including Criterion-wise analysis, SWOT Analysis and recommendations have already been forwarded to NAEAC Secretariat.

² The AIC on Agronomy comprised of Prof. Dr. Tariq Jan, KPK Agricultural University, Peshawar and Dr. Abdul Majeed, Consultant ICARDA. The members of AIC on Plant Pathology were Prof. Dr. Arif Chohan, Chairman Deptt. of Plant Pathology, KPK Agri. Uni., Peshawar and Dr. Nazir Javed, Chairman Deptt. of Plant Pathology, Uni. of Agriculture, Faisalabad.

12. On the basis of the inspection/evaluation, the review teams unanimously recommended accreditation of the degree programs of the departments of Agronomy and Plant Pathology, PMAS Arid Agriculture University, Rawalpindi in the “X” category as per HEC rating system i.e. Degree Program having minor shortfalls (Annexure-I).



AIC Members at work

B. University of Agriculture, Faisalabad (UAF)

1. Degree Programs in Agronomy and Agricultural Entomology

13. After receiving the letter of Intent (LOI) from the Dean faculty of Agriculture offering two disciplines of Agronomy and Agricultural Entomology for external evaluation and accreditation in the last week of April, 2010. Two AICs one each for Agronomy and Agricultural



AIC Members visit Research Farm, Department of Agronomy, UAF

Entomology were constituted. The Program Evaluators were drawn from the NAEAC roster of Program Evaluators.³ Detailed program itinerary as scheduled for on-site Inspection was finalized with the consent and mutual convenience of the HODs and the NAEAC Secretariat. The accreditation process was carried-out during May 12-13, 2010. The host institutions made satisfactory logistics and the AICs worked hard and accomplished the task within two days i.e. May 12-13, 2010. The final reports are already submitted by the AICs which will be reviewed in the fifth meeting of the Council.

³ The AIC On Entomology consisted of Prof. Dr. Afzal Chaudhary, Principal, University College of Agriculture, Sargodha and Prof. Dr. Muhammad Naeem, PMAS AAU, Rawalpindi. The AIC on Agronomy comprised of Prof. Dr. M. Ashraf, PMAS AAU, Rawalpindi and Prof. Dr. Bismillah Khan, Head of Department, Agronomy and Soil Science, BZU, Multan.

14. On the basis of the inspection/evaluation, the AICs unanimously recommended accreditation of the degree programs of the departments of Agronomy and Agricultural Entomology, University of Agriculture Faisalabad in the “X” category as per HEC rating system i.e. Degree Program having minor shortfalls (Annexure-I).



AIC Members visit lab of Department of Entomology, UAF

B. KPK Agricultural University, Peshawar

1. Degree Programs in Soil Science and Plant Pathology

15. The HODs of the disciplines of Soil Science and Plant Pathology offered their degree programs in May, 2010. However, the program of on-site visit was decided from June 23-24, 2010 with the mutual consent of all concerned. Program-wise Self Assessment Reports were received from the Quality Enhancement Cell (QEC) which were multiplied for Program Evaluators. A set of reading material relevant to accreditation process was provided to the all members of the AICs during a briefing at the NAEAC Secretariat. The composition of AICs as well as schedule of accreditation activities at KPK Agricultural Universities, Peshawar was approved by the Chairman NAEAC⁴.



AIC Members with the Vice Chancellor KPK Agricultural University, Peshawar

⁴ AIC on Soil Science consisted of Prof. Dr. Safdar Ali, Chairman, Deptt. of Soil Science and SWC, PMAS AAU, Rawalpindi and Mr. Tahir Saleem whereas the members of Plant Pathology AIC were Prof. Dr. Irfan-ul Haque, Chairman Deptt. of Plant Pathology PMAS AAU, Rawalpindi and Dr. Afzal Akhtar, Director Plant Pathology, NARC.

16. The AIC members and NAEAC Coordinators attended an inaugural session chaired by the Vice Chancellor who warmly welcomed the guests and hoped that the Inspection visits of the AICs shall be very useful and productive and not only help improve the quality of Agriculture Education but also build the capacity of the Institutions. Both the AICs members remained busy in attending the presentations, discussions and interaction with all the teaching and non-teaching staff. They also visited the Labs, greenhouses, library and experimental farms. The QEC staff as well as the host institution extended excellent cooperation, support and efficiently facilitated the activity.

17. On the basis of the inspection/evaluation, the AICs unanimously recommended accreditation of the degree programs of the departments of Soil Science and Plant Pathology, KPK Agricultural University Peshawar in the “X” category as per HEC rating system i.e. Degree Program having minor shortfalls (Annexure-I).

D. University of the Punjab, Lahore

1. Degree Programs of the Institute of Plant Pathology

18. Formal request for evaluation and accreditation of the degree programs was received at NAEAC Secretariat in March, 2010; however, the on-site Inspection visit was planned in the last week of June, 2010. As desired by the HOD and the faculty members, a briefing was organized for them to create awareness about accreditation procedure, standards, and criteria besides highlighting the significance and mechanism of accreditation. The Self-Assessment Report (SAR) already submitted by the Institute was updated and revised for the use of program evaluators.

19. The visit was planned from June 26-27, 2010 and the AIC⁵ arrived at Lahore in the evening of the June 25, 2010. On the first day of the visit, Head of Institution gave detailed presentation on various aspects of the department.

All the research and teaching labs were visited besides library, faculty offices and student class rooms and allied facilities. The AIC had detailed interviews with all the

⁵ Chairman–NAEAC constituted an accreditation Inspection Committee of the subject matter experts comprising Dr. Iftikhar Ahmed, D.G. NARC and Prof. Dr. Irfan-ul-Haque, Chairman Deptt. of Plant Pathology, PMAS AAU, Rawalpindi.

faculty members, students and support staff. Meetings with peer faculty and Dean of the faculty were also organized. The committee successfully completed its assignment within two days. NAEAC Secretariat has received the AIC report for consideration in the next meeting of the Council.



Incharge IPP, delivering presentation about Department, University of the Punjab Lahore



AIC Visit to Labs of Institute of Plant Pathology, Uni. of the Punjab, Lahore

20. The academic Programs of the Institute of Plant Pathology should be strengthened in major areas such as Plant Virology, Fungal Systematics, Plant Nematology and Phyto-bacteriology. The institute should address major weaknesses/threats discussed in this report.

21. On the basis of the inspection/evaluation, the AIC recommended accreditation of the degree programs of Institute of Plant Pathology, University of the Punjab, Lahore in the “X” category as per HEC rating system i.e. Degree Program having minor shortfalls (Annexure-I).

III. QUALITY ASSURANCE AND ACCREDITATION AWARENESS SEMINARS

22. The Council organized four Awareness Seminars for the stakeholders at four different agricultural education institutions to apprise and sensitize them regarding the significance of accreditation process for quality assurance, learning innovations and capacity building. The agriculture education institutions



Awareness seminar at Faculty of Agriculture, D.I.Khan

visited for the seminars included University Agriculture College, Sargodha, Faculty of Agriculture, Gomal University, D.I.Khan; University College of Agriculture, Bahauddin Zakariya University, Multan; and University College of Agriculture & Environmental Sciences, Bahawalpur.



Awareness Seminar at Islamia University, Bahawalpur



Awareness Seminar at Uni. College of Agriculture, Sargodha

IV. MEETINGS OF THE COUNCIL

23. The fourth meeting of the National Agriculture Education Accreditation Council (NAEAC) was held on January 23, 2010 at 10: 30 AM in the Mural Hall of Higher Education Commission (HEC), Sector H-9, Islamabad. The meeting was chaired by Dr. M. E. Tusneem, Chairman - NAEAC and attended by 13 Members of the Council. After recitation from the Holy Quran, the Chair welcomed the Council

members to the meeting and thanked them for their guidance and cooperation. The Chairman informed the meeting that the Council has been moving forward steadily and progressively since it started its operation in September, 2007. In a short span of a little more than 2 years, its evaluation and accreditation activities increased from two degree programs in 2007-08 to eight in 2008-09 at the University of Agriculture, Faisalabad; Khyber Pakhtunkhwa Agricultural University, Peshawar and PMAS Arid Agriculture University, Rawalpindi. During the evaluation process, every effort was made to demonstrate high standard of quality, collegiality and professionalism. During 2009-10, it is planned to carryout on-site visits for accreditation of 16 degree programs covering eight disciplines at the Faculty of Crop and Food Sciences at PMAS AAU, Rawalpindi; UAF, Faisalabad; and KPK Agricultural University, Peshawar, reflecting an increase of 100% over FY 2008-09. Out of planned on-site visits of 16 degree programs of which four degree programs (two disciplines) of PMAS AAU, Rawalpindi have already been accomplished as of December, 2009.



Fourth Meeting of NAEAC at Mural Hall, HEC

24. The Council organizes and delivers awareness seminars for its stakeholders as a continuing activity. During 2009-10, four awareness seminars have been organized at four different agricultural education institutions to create awareness among the stakeholders and sensitize them regarding the significance of accreditation process for quality assurance, learning innovations and capacity building. Five more seminars are

planned for 2010-11 covering almost 99 percent of all the agriculture education institutions in Pakistan. Quality assurance and accreditation awareness seminar are planned at Agriculture College, D.G. Khan; Sindh Agriculture University, Tandojam; Agriculture Water and Marine Sciences University, Lasbella; Agriculture College, Dhokri and Allama Iqbal Open University Agriculture Department, Islamabad. The other notable activities include the database development and updating of Agriculture Education Institutions, E-mail Surveys of all seventeen (17) Agriculture Institutions in Pakistan.

25. The Chair appreciated the participation of the representative of Agro-Industries and encouraged them to make meaningful contribution for strengthening and promotion of accreditation activities of the Council. He acknowledged with thanks the financial and intellectual support of HEC and thanked the Executive Director of HEC, Managing Director, Quality Assurance Agency (QAA) and Program Coordinator (QAA) for their continuous guidance and support to the NAEAC Secretariat in the conduct of accreditation activities.

26. Secretary of the National Agriculture Education Accreditation Council (NAEAC) presented the agenda to the Council members. A summary of the decisions taken in the meeting on various agenda items is as follows:

A. Approval of the Reports of Accreditation Inspection Committees (AICs)

27. The Accreditation Inspection Committees of NAEAC conducted external audit visits of the degree programs of Entomology and Horticulture disciplines of PMAS AAU, Rawalpindi; degree programs of Institute of Horticultural Sciences (IHS) of University of Agriculture, Faisalabad; and degree programs of department of Plant Breeding and Genetics, KPK Agricultural University, Peshawar. The AICs submitted their recommendations for accreditation to Chairman of the Council. The recommendations of the AICs reports were submitted for the consideration/approval of the Council.

The Council considered the AIC reports and approved the recommendations with the following observations for future reference.

- i. Need for greater specificity and quantification of various criteria and parameters in the evaluation reports.
- ii. The assessment forms may include weight-age and grading of each criterion, so as to facilitate quantification of parameters.
- iii. Accreditation categories (W, X, Y, Z) along with their definition may be reviewed to make them more specific.

The Council approved the AIC recommendations for the 18 degree programs relating to the: Disciplines of Entomology and Horticulture at PMAS AAU, Rawalpindi, Institute of Horticultural Sciences, University of Agriculture, Faisalabad and the Degree Programs of PBG discipline of KPK Agricultural University, Peshawar.

B. Approval of Annual Report for FY 2008-09

28. The Second Annual Report (2008-09) was submitted to Honorable Members of the Council for their review and approval.

The Council approved the Annual Report for 2008-09 and commended the efforts of the NAEAC Secretariat for preparing an excellent and presentable report despite the limited resources.

C. Approval of Annual Work Plan for 2009-10

29. The Annual Work Plan of Awareness Seminars/Workshops, Database Development, Training workshops for evaluators, Council Meetings, updating of NAEAC website, Publicity and Advertisement. The detailed work plan prepared in line with the available resources is placed before the Council members for consideration and approval.

The Council members approved the Action Plan and gave suggestions to make NAEAC website (www.naeac.org) more user friendly and suggested that Secretariat should post all the data/material including approved AIC reports, etc for information of the Council Members and other stakeholders.

D. Approval of 2009-10 Expenditure and Proposed Budget for FY 2010-11

30. Secretary NAEAC presented the status of expenditures of 2009-10 and the proposed budget for FY 2010-11 for the information/approval of the Council. The members were informed that Higher Education Commission has allocated an amount of Rs. 2.0 million for 2009-10. The Council has prepared its budget for financial year 2010-11 based on this allocation in addition, it is expected to receive accreditation fee of Rs.0.3 million from University of Agriculture Faisalabad, PMAS Arid Agriculture University, Rawalpindi and KPK Agricultural University, Peshawar during FY 2010-11.

31. The Chairman NAEAC informed the Council that the NAEAC Secretariat has to implement important functions of accreditation of the degree programs involving substantial financial implications. Funds are also required for the training of evaluators, awareness seminars and convening of Council meetings, etc. The present level of funding was grossly inadequate to meet the targets envisaged by Quality Assurance Agency of HEC. In order to complete the first round of accreditation of the degree programs (170) within a span of five years, substantial increase in funding is required to meet the accreditation costs. Keeping in view the fact that tuition fees in the public sector institutions are nominal, the Council had agreed during its meeting dated January 23, 2010 to charge moderate accreditation fees of Rs.10,000/- per degree program. As such, the expected accreditation fee receipts from public sector institutions were grossly inadequate to meet the expenditures of accreditation.

After deliberations on the issue, the Council adopted resolution for HEC highlighting the need of additional funding to the level of Rs. 5 million per annum to NAEAC for the next three years to allow expeditious completion of all degree programs at all agricultural institutions. The resolution will be submitted to Higher Education Commission (HEC) along-with the 3 year Work Program and Budget estimates.

E. Strengthening of Institutional Database

32. Database development and updating is also a continuing activity. In September, 2008 an E-mail survey was initiated and a two page questionnaire was sent to all the Agricultural Institutions (17) in Pakistan. Completed questionnaires

were received and the data were being processed. Five summary tables have been prepared and shared with the agriculture education institutions. The information generated shall be posted on NAEAC website (www.naeac.org) as well as e-mailed to all seventeen (17) Agriculture Institutions in Pakistan. The Council appreciated the initiatives of NAEAC Secretariat on data base management and sharing amongst the agriculture institutions.

F. Renewal of Annual Service Contract of NAEAC Staff

33. The NAEAC Council members were informed that as per clause-5 of the Standard Operating Procedures (SOPs) for Accreditation Councils of HEC, the Chairman-NAEAC is authorized to renew the service contract of the incumbents on the basis of satisfactory performance. Hence, annual service contract of the NAEAC staff was renewed with effect from September, 2009. Concurrence of the National Agriculture Education Accreditation Council (NAEAC) members is solicited for the one year contractual engagement of the NAEAC staff with effect from September, 2009.

The Council Members commended the performance the Council and its Secretariat staff and endorsed the contractual appointment of NAEAC Staff for one year.

G. Amendment in the Bye-laws of NAEAC regarding four meetings of the Council in a year

34. The Council is obliged to convene at least four meetings in a year on such day and time as the Chairperson may determine. It is pertinent to mention that there are 22 members in the Council representing the academia, research institutions, agro-industries, etc in public and private sectors. Seven out of 22 members are from Sindh and Baluchistan who travel by Air. Only the TA/DA expense of these seven members is almost rupees one hundred fifty thousand (Rs.150,000) to attend one Council meeting and the overall expenditure for one meeting of the Council is about Rs.200,000/- against total annual budget of the Council is Rs.2.0 million. It is thus, evident that holding four meetings in a year is not possible given the limited financial resources available.

35. Being cognizant of the fact that Council meetings involve heavy financial implications and with limited budgetary resources, the Council Members agreed to convene only two Council meetings in a calendar year and increase the volume of business of the Council.

It was agreed to submit the case to HEC being the controlling authority for the modifications in the Council bye-laws regarding convening of only two instead of four Council meetings in a year for approval.

H. Revision of Pay-Package of NAEAC Staff

36. The existing pay-package was offered by HEC during financial year 2006-2007 but implemented in 2007-08 with the recruitment of NAEAC core staff hired on yearly contract basis. This financial year (2009-10), is the third year of the engagement of staff; however, there has been no increase in the salary/pay package since 2007-08. Whereas the Government of Pakistan, Finance Division (Regulations Wing) vide Office Memorandum No.F-4(9)R-3/2008-499, dated August 12, 2008 has made substantial upward revision in the pay package (equivalent to various Basic Pay Scales) besides 5% annual increment for the contract employees paid out of PSDP projects.

37. During these three years, the Government of Pakistan has increased the pay package by 45 percent for all employees on running basis. Inflation rate has more than doubled during the same period. Consumer price index (CPI) also reflects that there has been substantial increase in the cost of living. There is a genuine need for relief in the form of increase in the salary/pay-package of the NAEAC Staff as admissible to the other regular and Contract employees of the Govt. over the last three years. The issue of increase in the salary of the NAEAC staff was discussed in detail. The Council members noted with concern that there has been no change in the pay package/salary of the NAEAC employees since 2007-08. Meanwhile, according to official Consumer Price Index (CPI), the cost of living has increased by 50 percent.

They agreed that the issue of the salary raise is genuine and highly justified. Hence, the Council decided to provide one time increase in the salary by 10% for 2009-10 with effect from 1st January, 2010 for 2009-10 and 5% increase per annum thereafter commencing from the fiscal year 2010-11.

I. Resource Mobilization for NAEAC

38. The Council members noted that Council is functioning with very limited resources, yet has been able to demonstrate excellent performance. In order to sustain this performance level and achieve its targets of completing one round of accreditation of 170 degree programs, it needs substantial increase in its budgetary resources. Accreditation activities are increasingly becoming more expensive due to high inflation and increases in number of accreditations of degree programs per year. Hence, there is urgent need for increase in the budget allocations of the Council to complete the planned accreditation activities. It was therefore, agreed:

- i. To create a new budget category head to collect a fee even if nominal from all the graduate and under-graduate students for accreditation of degree programs during the course of study. This would enable the Institution to collect an accreditation fee and the same be transferred to the Council, besides the normal accreditation fee charges of each faculty/discipline to make the accreditation process financially self sustaining as in the case of private universities.
- ii. Higher Education Commission should write to all the Agriculture Institutions to make necessary budgetary provisions for accreditation fee under intimation to HEC and pay the accreditation fee in advance to the Council before the on-site visit of the Accreditation Inspection Committee (AIC).
- iii. Like other Accreditation Councils such as Pakistan Engineering Council (PEC), this Council should also start registration of its graduating students from the accredited programs. In this way, the council can generate adequate amount as registration fee and can be used for accreditation activities.
- iv. The Council Members resolved that in the meantime, Chairman NAEAC should approach HEC requesting that NAEAC's budget is grossly inadequate to accomplish its targets. Unlike some other Councils, this Council has no source of revenue as all the institutions are in the public sector which charge nominal tuition fees. They noted that substantial increase in budget from Rs.2.00 million to Rs.5.00 million is needed to accomplish its task and meet HEC targets of

accreditation, training, workshops/seminars, meetings of the Council, the development of database etc, within next 3 years as per HEC targets.

V. UPDATING NATIONWIDE DATABASE OF AGRICULTURE DEGREE PROGRAMS

39. Seventeen Degree awarding Agriculture Education Institutions fall in the purview of National Agriculture Education Accreditation Council (NAEAC). These comprise of five Agriculture Universities, Seven Agriculture Colleges, two Agriculture Faculties and three agriculture departments in general universities.

A. Enrollment of Students

40. The students' enrollment in the Agriculture faculty of the University of Agriculture, Faisalabad (UAF) is about five thousands. This is the result of significant increase in the annual intake. Consequently, not only the student-teacher ratio has become very high but also the class rooms are over-crowded and in certain cases labs are used for theory lectures. The Agriculture Faculties of SAU, Tandojam and KPK Agricultural University, Peshawar have enrollment of 1,300 and 1,200 students respectively in various semesters of B.Sc(Hons) and M.Sc(Hons). In all, there is an enrollment of more than 8,000 students in various semesters of undergraduate and post-graduate classes of the Agriculture faculties of Agriculture Universities.

Table 1: Students Enrollment in Agriculture Faculties, 2009-10

Institution	B.Sc(Hons)	M.Sc(Hons)	Ph.D	Total
Agriculture Universities (5)	5,246	2,294	581	8,121
Agriculture Colleges (7)	802	372	41	1,215
Agriculture Faculties (2)	294	119	65	478
Agriculture Departments (3)	113	633	26	772
Agri. Education Institutions (17)	6,455	3,418	713	10,586

About 77 percent enrollment of the Agriculture Education Institutions is in the Universities, followed by Agriculture Colleges (11.6%), Agriculture Departments (7.1%) and Agriculture Faculties (4.3%). Out of total enrollment of 10,576 students

about 60 percent are in B.Sc(Hons), 33 percent for M.Sc(Hons) and 7 percent for Ph.D degree programs.

B. Graduates Produced To-date

41. All Agriculture Education Institutions have cumulatively produced about 21,000 B.Sc(Hons) Agriculture graduates as of academic year 2009-10. Highest number of graduates are produced by the Agriculture Universities (79%), followed by Agriculture Colleges (12%) and Agriculture Faculties (9%). In case of M.Sc(Hons), the output was 92 percent by Agriculture Universities, 6 percent Agriculture Faculties and 2 percent by Agriculture Colleges/Departments. The number of M.Sc(Hons) is about 50 percent of B.Sc(Hons) indicating that nearly half of the B.Sc(Hons) graduates do not pursue post-graduate studies.

Table 2: Graduates Produced to date by Agriculture Faculties

Institution	Graduates Produced to date		
	B.Sc(Hons)	M.Sc(Hons)	Total
Agriculture Universities (5)	16,286	11,213	27,499
Agriculture Colleges (7)	2456	123	2,579
Agriculture Faculties (2)	1828	766	2,594
Agriculture Departments (3)	86	75	161
Agri. Education Institutions (17)	20,656	12,177	32,833

Being the oldest largest of the Agriculture Education Institutions, University of Agriculture, Faisalabad has produced about 50 percent of all B.Sc(Hons) and M.SC(Hons) graduates produced so far.

C. Number of Class Rooms and Laboratories

42. In almost all the Agriculture faculties, each discipline has been earmarked only two class rooms. In the recent years, due to an increase of 15-20 percent in the annual intake, the class rooms have been not only over crowded but inadequate to accommodate the students. As a result, majority of the faculty members take their undergraduate classes in the Laboratories.

Table 3: Class rooms, Computer Labs and Research Labs

Institution	No. of Class rooms	Covered Area of Class rooms (Sq.ft)	No. of Research Labs	No. of Computer Labs
Agriculture Universities (5)	80	44,604	191	13
Agriculture Colleges (7)	76	32,388	22	5
Agriculture Faculties (2)	18	2,606	23	4
Agriculture Departments (3)	12	6,564	22	1
Agri. Education Institutions (17)	186	86,161.5	258	23

There is thus an urgent need for the construction of additional academic blocks of class rooms well equipped with requisite teaching aids including whiteboards and multi-media etc. Number of class rooms and space is relatively better in the Agriculture Colleges than Agriculture faculties of Agriculture Universities. Majority of the Agriculture Colleges as well as Agriculture departments in General Universities do not maintain adequate experimental Labs both for undergraduate and graduate students. Moreover, none of Agriculture faculties in Agriculture Universities has hardly any full-fledged well equipped computer lab for post graduate students. Almost each faculty member has managed a computer with internet facility but Post-graduate students and PhD scholars do not have access to such facility in the faculty.

D. Books, Journals and Computers Available

43. Survey revealed that there are more than 500 computers in Agriculture faculties of Agriculture Universities. Majority of the faculty members do have a computer with internet facility. However, such a facility is limited for the Post-graduate and PhD students who generally rely on the library facility. Agriculture Colleges and Agriculture Faculties in the general university also have computers with most of the faculty members but with selected internet facility. A few colleges also maintain computer labs for students.

Table 4: Computers and Books Available in the Agriculture Faculties

Institution	Computers For			Books	Journals
	Teachers	Students	Total		
Agriculture Universities (5)	294	216	510	24,192	81
Agriculture Colleges (7)	74	190	264	13,687	95
Agriculture Faculties (2)	48	15	63	2,015	12
Agriculture Departments (3)	22	25	47	2184	19
Agri. Education Institutions (17)	438	446	884	42,078	207

There is a general dearth of books in the departmental libraries. Numbers of Head of Departments (HOD's) do consider and believe to maintain selected text books and reference books for the use of faculty and senior students. In general, the departmental libraries of Agriculture Universities maintain more books than Agriculture colleges and Agriculture departments etc. Almost similar trend has been found in case of subscription of foreign journals. The hard copies of the Journals are hardly received as almost all the Agriculture Institutions are availing HEC facility of on-line Journals to the tune of 15,000.

E. Faculty Research Projects and Seminars

44. In Pakistan, four out of five Agriculture Universities are well established and reputed. These Institutions are engaged in teaching as well as research. The senior faculty members while encouraging the junior faculty win research projects out of university research grant besides scores of other sources including Pakistan Science Foundation (PSF), Higher Education Commission (HEC), Pakistan Council for Science and Technology (PCST), Punjab Agricultural Research Board (PARB), Food and Agriculture Organization (FAO), United Nations Development Programme (UNDP) and Pakistan Agricultural Research Council (PARC) etc. Thus, Agriculture Universities have completed more than 500 research projects whereas 160 are on-going with more than 60 percent share of HEC.

Table 5: Faculty Research Projects and Seminars organized

Institution	Research Projects			
	Completed	Underway	HEC Funded	Seminar organized
Agriculture Universities (5)	653	160	96	176
Agriculture Colleges (7)	22	92	5	69
Agriculture Faculties (2)	44	23	11	9
Agriculture Departments (3)	17	13	4	88
Agri. Education Institutions (17)	736	288	116	342

This reflects that in the recent years, HEC not only supported academics but also the research. The data show that research work has also boost up in the Agriculture faculties in general universities and Agriculture colleges with the induction of PhD qualified faculty and offering of M.Sc(Hons) degree programs.

However, the activity of holding seminars, conferences and workshops etc., is uncommon in the Agriculture colleges compared to agriculture universities and agriculture faculties in the general universities. There is a need for the maintenance of annual roster of seminars to be delivered by graduate students and the faculty members.

VI. WEBSITE UPDAING

45. NAEAC maintains a website (www.naeac.org) which is continuously updated with latest data/information and reports of Accreditation Inspection Committees (AICs). An accreditation outcome for degree programs of different disciplines is posted on the website. Institutional data on enrollment, graduates produced; class rooms, research labs, computer labs and books available in the department library are also placed on website. With the view to make it more flexible and user-friendly, we plan to further upgrade the website by hiring the services of an expert webmaster. The NAEAC, Secretariat would welcome suggestions and technical advice of the Council Members and other stakeholders.

VII. ROSTER OF PROGRAM EVALUATORS/EXPERTS

46. Maintenance of a Roster of Program Evaluators/Experts is obligatory for the Council as the Accreditation Inspection Committees (AICs) have to be constituted by the competent authority from this panel of experts. These Program Evaluators are drawn on the basis of eligibility selection criteria approved by the Council. Initially, the nominations of 4-5 suitable senior and qualified faculty members of different disciplines were received from the Vice Chancellors of Agricultural Universities. Nominations from 7 Agricultural colleges, two agriculture faculties and two teaching departments were also acquired. Experts from private sector and Ex-Senior Officers of Agriculture Education and Research Institutions are also placed on the Roster.

47. Presently, NAEAC maintains a roster of about 80 Program Evaluators/Experts. Efforts have been made to collect and maintain one-page short CV of almost all experts. A hard copy of the roster of Program Evaluators along with their short CVs is available for ready reference. It is planned to maintain and update the roster with experts of all the 15 disciplines/Fields of specialization which fall in the purview of the Council. Discipline wise breakup of the Program Evaluators is Agronomy and Crop Physiology (10); Plant Breeding & Genetics (12); Agricultural Entomology (13); Horticulture (6); Plant Pathology (7); Soil Science (15); Agriculture Education & Extension (2); Agriculture Engineering (1), Animal Sciences (3); Agricultural Economics (5); Agriculture Social Sciences (4); Food Technology (1); Water Resources (1); and Forestry & Range Management (1).

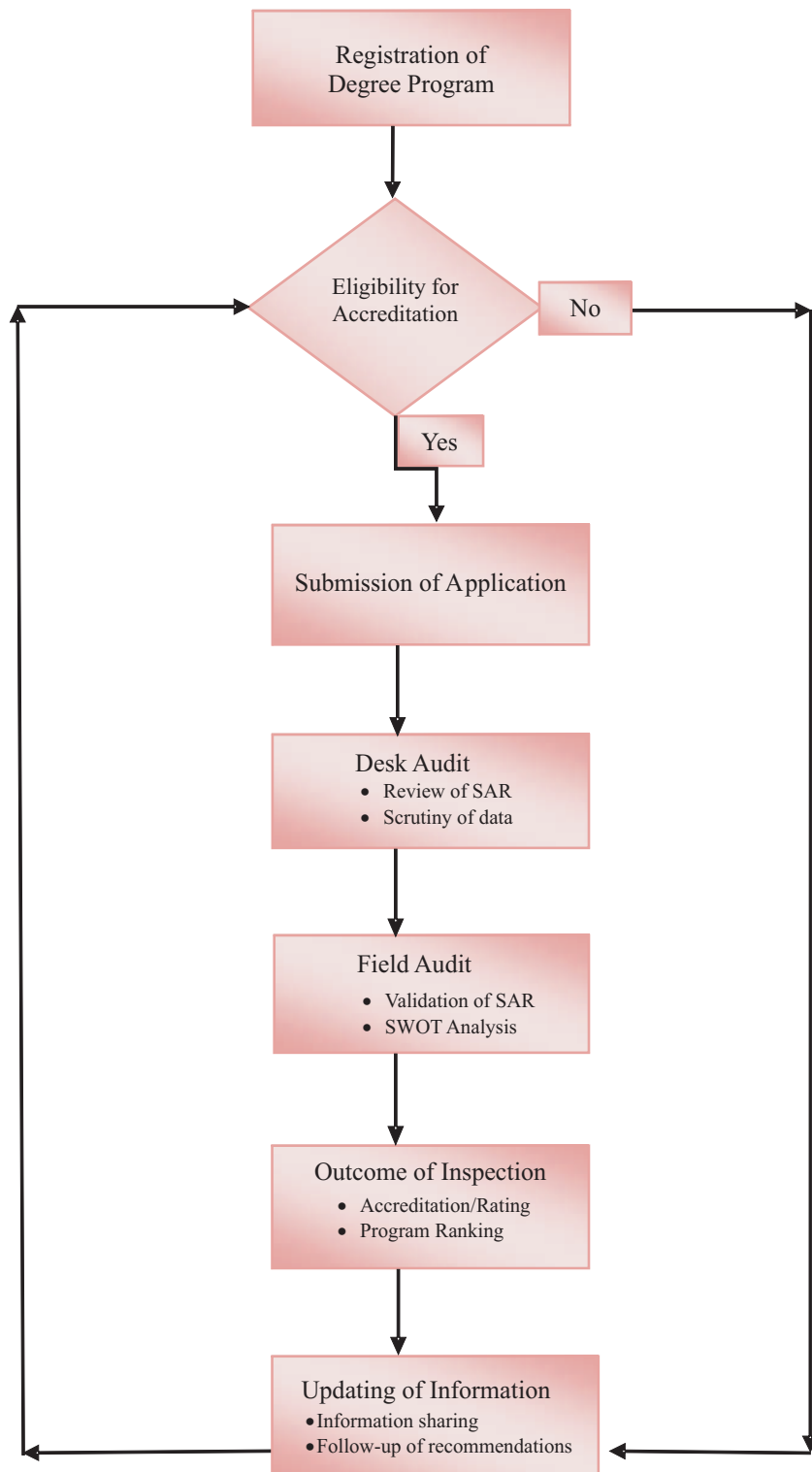
VIII. PROGRAM EVALUATION MANUAL

48. The Evaluation Manual is a useful tool kit for program evaluation. The objective of the manual is to ensure consistency and transparency in the assessment pattern of each program evaluator. Program evaluation Manual consists of seven criteria comprising four major and three minor criteria. Each criterion has weight age according to its importance in terms of quality points assigned. The points assigned to major criteria range from 150 to 300 points. While the three minor criteria are

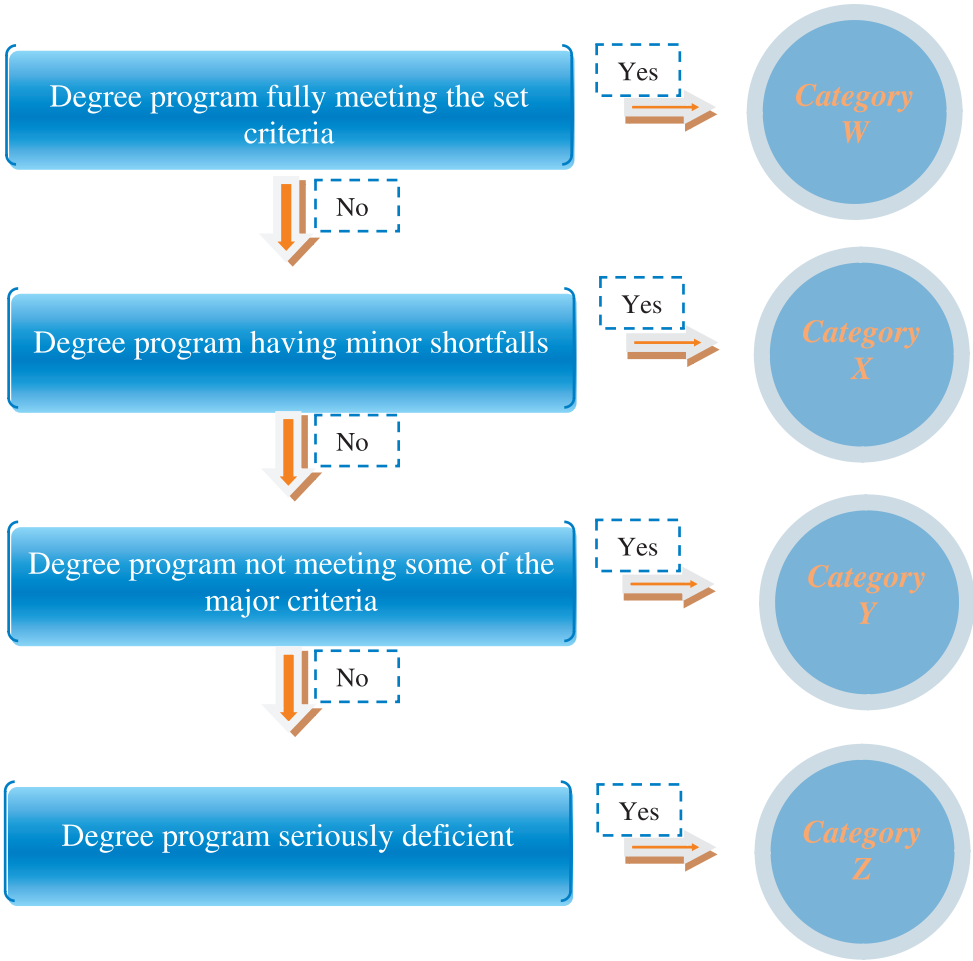
assigned 100 points each. Each criterion is further broken into several aspects. Hence, each aspect of a criterion has also been assigned weight age in terms of points.

49. At the fourth meeting of the Council in January 23, 2010, it was decided that NAEAC Secretariat may further attempt to quantify and make the evaluation manual more objective, so that the points scored by each degree program are also available with the accreditation category of the program. All the AICs are requested to use this manual for the assessment of the degree programs. The manual encompasses all aspects pertaining to the evaluation of degree programs of agriculture education institutions in Pakistan. In case of more than one program Evaluator, average of the points assigned by the program evaluators is computed for the final results.

IX. ACCREDITATION PROCESS AND OUTCOMES



Accreditation Outcomes



X. QUARTERLY PROGRESS REPORTS

50. In pursuance of the directive of the Higher Education Commission (HEC), the controlling body of the Accreditation Councils. Quarterly progress reports (QPRs) are being prepared regularly by the Council for submission to Chairman NAEAC and HEC.

51. The QPRs not only highlight the activities and achievements during the quarter under report but also help meet the deadlines and the targets set by the Council.

52. The Annual Work Plan was prepared and forwarded to HEC for guidance and concurrence.

XI. BUDGET FOR FY 2009-10

53. During FY 2009-10, HEC allocated an amount of Rs.2.00 million to the NAEAC. Budget allocation and utilization for FY 2009-10 is given at Annexure III. In the Fourth Council meeting of NAEAC held in January 2010, a resolution was passed which resolved that “HEC should be approached requesting that NAEAC budget is grossly inadequate to accomplish its targets. Unlike other Councils, this Council has no source of revenue as all the agriculture education institutions are in the Public sector and charge nominal tuition fees, etc. As such substantial increase in the annual grant from Rs.2.00 million to Rs.5.00 million is needed to accomplish its task and meet HEC targets of accreditation, trainings, awareness workshops/seminars, meetings of the Council and development of database, etc, within next 3years.”

As a result of resolution presented by the Council to HEC, an additional grant of Rs. one million has been released by HEC to NAEAC in addition to regular grant of Rs. 2.00 million for FY-2010-11.

XII. RECENT INITIATIVES AND LEARNING INNOVATIONS IN AGRICULTURE EDUCATION INSTITUTIONS

The KPK Agricultural University, Peshawar has taken the following initiatives during the year 2009-2010:

- i. One month training workshop was conducted on Professional Competency Enhancement Program for Teachers (PCEPT) for all newly inducted faculty of the University. The purpose was to impart professional development training with emphasis on the enhancement of basic teaching competencies of the faculty members.
- ii. One week training on using the turnitin¹ software for anti plagiarism for students of PhD and MPhil. The purpose of this training was to create awareness amongst all the students of PhD and MPhil on usage of turnitin software to check their thesis/dissertations.
- iii. Plagiarism Standing Committee (PSC) has been constituted to investigate the plagiarism cases and take punitive action against the offenders.
- iv. The Poultry Science Department has initiated outreach activities through provision of quality layers and eggs. A fully automated feed mill has been installed to operate on public-private partnership basis.
- v. Affiliation was granted to National Agriculture Research Center Islamabad for award of degrees.
- vi. Project entitled, “improving livelihood through knowledge partnerships and value chains of products and services in Himalyas” funded by KIMOD was implemented.
- vii. The university scientists have successfully developed three wheat varieties. These Wheat varieties have been approved by the Provincial Seed Council and released for general cultivation in the Peshawar valley.
- viii. AUP has setup a Plant Protection Lab for Agriculture Department of Balkh Province of Afghanistan.
- ix. An MOU signed with Chiba and Tsukuba Universities of Japan where university faculty and students will have full fee waiver. The University will also have research collaboration along with other capacity building activities.
- x. International Conference on linkages for sustainable agriculture development was held at Agricultural University Peshawar in December 2010.
- xi. All Pakistan Weed Sciences Society conference was organized at Lahore in March 2010.
- xii. Post-flood support to International Rescue Committee (IRC) was provided through a comprehensive survey of Charsadda and Nowshehra Districts. The IRC is planning and implementing its livelihood programs in these two districts based on the survey reports.
- xiii. Post-flood consultative multi stakeholder’s workshop was arranged and a comprehensive report containing guidelines was prepared and shared with all stakeholders.

¹ Turnitin is the leading academic plagiarism detector, utilized by teachers and students to avoid plagiarism and ensure academic integrity.

Summary of On-Site visits of AICs for Accreditation/Rating of Degree Programs

Sr. No.	University/Department	Date of Inspection	Degree Program Rating ⁶		AIC Composition
			B.Sc(Hons) Agriculture	M.Sc (Hons)	
PMAS Arid Agriculture, University, Rawalpindi					
1.	Dept. of Plant Breeding & Genetics (PBG)	Second week of December, 2009	X	X	Dr. Hidayat ur Rehman Professor Dr. Dil Nawaz Gardezi Chairman PBG
2.	Department of Soil Science and SWC	Second week of December, 2009	X	X	Dr. Zahir Shah Chairman Dr. Kaleem Abbasi Dean Agri. Faculty
3.	Department of Agronomy	First week of March, 2010	X	X	Dr. Tariq Jan Professor Dr. Abdul Majeed Consultant ICARDA
4.	Department of Plant Pathology	First week of March, 2010	X	X	Dr. Nazir Javed Chairman Dr. Arif Chouhan Chairman
University of Agriculture, Faisalabad					
5.	Department of Agronomy	Second week of May, 2010	X	X	Dr. Muhammad Ashraf Chairman Dr. Bismillah Khan Head Agronomy
6.	Department of Entomology	Second week of May, 2010	X	X	Dr. Afzal Chaudhry Principal Dr. Muhammad Naem Professor
KPK Agricultural University, Peshawar					
7.	Department of Soil Science	Fourth week of June, 2010	X	X	Dr. Safdar Ali Chairman Mr. Tahir Saleem Ex. Project Dir. NFDC
8.	Department of Plant Pathology	Fourth week of June, 2010	X	X	Dr. Irfan-ul-Haq Chairman Dr. Afzal Akhtar CSO (Rtd), PARC
University of the Punjab, Lahore					
9.	Institute of Plant Pathology	Fourth week of June, 2010	X	X	Dr. Iftikhar Ahmed D.G NARC Dr. Irfan-ul-Haq Chairman

⁶ W: Degree Program fully meeting the set criteria
X: Degree Program having minor shortfalls
Y: Degree Program not meeting some of the major criteria
Z: Degree Program seriously deficient

NAEAC MEMBERSHIP

Sr#	Name & Address	Organization
1	Dr. M.E. Tusneem Chairman NAEAC NAEAC Secretariat, N-Block, Old Comsats Building, HEC, Islamabad Tel: 051-90802681, Fax # 051-90802682 Email: mtusneem@gmail.com	NAEAC Secretariat
2	Prof. Dr. Shahana Urooj Vice Chairperson (NAEAC) Dean Faculty of Sciences, University of Karachi Karachi-75270, Pakistan. Off# 021-99261077, Fax #021-926134	University of Karachi
3	Prof. Dr. Riaz Hussain Qureshi Advisor (HRD and Scholarships) Higher Education Commission (HEC), Sector H-9, Islamabad. Off# 051-90408004, Fax# 051-90408003 Cell# 0300-5071063 Email: rqureshi@hec.gov.pk	Higher Education Commission (HEC)
4	Dr. Qadir Bakhsh Baloch Agriculture Development Commissioner Ministry of Food, Agriculture & Livestock, B-Block, Pak Secretariat, Islamabad Off# 051-9201718, Fax# 051-922098 Email: ccw_minfa@hotmail.com	Ministry of Food, Agriculture & Livestock
5	Dr. Tariq Bashir Deputy Chief (Science) Pakistan Council for Science and Technology (PCST) Sector G-5/2, Islamabad. Off# 051-9217316, Fax# 051-9205171 Email: pcst@isb.comsats.net.pk	Pakistan Council for Science and Technology (PCST)
6	Prof. Dr. Muhammad Ashfaq Dean Faculty of Agriculture University of Agriculture, Faisalabad Off# 041-9200581, 9200161-70 /2900 Cell# 0300-6649610, Email: deanagriuf@yahoo.com	University of Agriculture, Faisalabad
7	Prof. Dr. Muhammad Munir Dean, Faculty of Crop & Food Sciences PMAS Arid Agriculture University, Rawalpindi Off# 051-9062226, Fax# 051-9290160, Cell# 0301-5055989, Email: drmunir_m@yahoo.com	PMAS Arid Agriculture University, Rawalpindi

Contd...

NAEAC MEMBERSHIP

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8	Dr. Shamasuddin Tunio Prof. & Dean Faculty of Crop Production Sindh Agriculture University, Tandojam Off# 0222-765870-Ext -351, Cell# 0344-3421375 Email: tunio@hotmail.com	Sindh Agriculture University, Tandojam
9	Prof. Dr. Muhammad Naeem Dean Plant Protection Khyber Pakhtunkhwa Agricultural Uni. Peshawar Ph# 091-9216550, Fax# 091-9216520 Cell# 0333-9136097, Email: earworm2007@yahoo.com	Khyber Pakhtunkhwa Agricultural Uni. Peshawar
10	Dr. Rahim Bakhsh Mirbahar Dean Faculty of Crop & Plant Sciences Lasbela University of Agriculture, Water & Marine Sciences, Lasbella Off# 0853-610923, Fax# 0853-610294 Cell# 0345-3640578, Email: rbmirbahar@gmail.com	Lasbela University of Agriculture, Water & Marine Sciences, Lasbella
11	Dr. Noor-ul-Islam Director General Ayub Agriculture Research Institute, Faisalabad Ph# 041-2651371, 2654359, Fax# 041-2653874 Cell# 0333-5902350, Email: dgar@brain.net.pk	Ayub Agriculture Research Institute, Faisalabad
12	Dr. Atta Soomro Director Horticulture Research Institute, Mirpur Khas, Sindh Ph# 0233-9290140-1, Fax# 0233-9290401 Cell# 0333-2612190, Email: attasmr@yahoo.com	Horticulture Research Institute, Mirpur Khas, Sindh
13	Mr. Jamshed Daudi Additional Secretary, Planning (Agriculture) Agriculture Department, Government of Punjab, Civil Secretariat, Lahore Ph# 042-99211595, Fax#042-99211796	Agriculture Department, Government of Punjab, Civil Secretariat, Lahore
14	Mr. Riaz Khan Director General (Research) Agriculture Research Institute, Sariab Road, Quetta. Ph# 081-2850951, Fax#081-2470078 Cell# 0345-8339095, Email: shakeel_ipms@hotmail.com	Agriculture Research Institute, Sariab Road, Quetta.
15	Mr. Muhammad Arif Khairi Deputy Secretary (Technical) Agriculture Department, Government of Sindh, Civil Secretariat, Karachi Ph# 021-9212050, Fax # 021-9211469 Cell# 0300-2356102, Email: info@sindhagri.gov.pk	Agriculture Department, Government of Sindh, Civil Secretariat, Karachi

Contd...

NAEAC MEMBERSHIP

Sr#	Name & Address	Organization
16	Mr. Gul Nawaz Khattak Chief Planning Officer Agriculture, Livestock & Cooperative Department, Government of KPK, Civil Secretariat, Peshawar. Ph# 091-9210397, Fax#091-9210033 Email: vicki_vs2000@yahoo.com	Agriculture, Livestock & Cooperative Department, Government of KPK, Civil Secretariat, Peshawar.
17	Dr. Fateh Ullah Khan Director General KPK Agricultural Research System Ph#091-9216530, Fax# 091-9216529,	KPK Agricultural Research System KPK Agricultural University, Peshawar.
18	Dr. Tahir Aqil Principal Agriculture and Crop. Department, Ph# 081-2880192, Fax# 081-2880306 Cell# 0300-3857771, Email: tahiraqil@yahoo.com	Agriculture and Crop Department. Agriculture College, Balleli Road, Quetta.
19	Mr. Muhammad Tariq Aziz Vice Chairman REAP M/S Falcon Rice Mills Pvt. Ltd Industrial Area, G.T. Road, Kamoke. Ph# 055-6816601-2, 6810267, Fax# 055-6811236 Cell# 0300-8454377, 0321-8454377 Email: falconrm@brain.net.pk	Falcon Rice Mills (Pvt.) Ltd
20	Mr. Saifi Chaudhry Chief Executive Shezan International Ltd, Bund Road, Lahore. Ph# 042-7466900, Fax# 042-7466895 Cell# 0300-8446068, Email: shezan@brain.net.pk	Shezan International Ltd.
21	Mr. Sheikh Muhammad Akber Chief Executive M/S Amjad Textile Mills Ltd., 106/3, Saint Johns Park Lahore Cantt, Lahore. Ph# 042-111-252-252, Fax# 042-6617290, Cell# 0300-8446446, Email: nadeem@amjadtextile.com,	Amjad Textile Mills Ltd.
22	Mr. Iskandar M. Khan 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@premiergroup.pk	Premier Sugar Mills & distillery Co.

Annual Work Plan, 2009-10

The NAEAC Secretariat developed the following work plan for fiscal year 2009-10.

1. Accreditation Activities:

Evaluation and accreditation of degree programs is a single most important activity of the Council. During 2008-09, Accreditation Inspections of four disciplines with eight degree programs were accomplished. It is planned to carryout on-site accreditation visits to eight different institutions/faculties to accredit 16-18 degree programs including PMAS AAU, Rawalpindi (2), KPK AU, Peshawar (2), UAF, Faisalabad (1) and in SAU, Tandojam (1) during 2009-10 i.e. an increase of 50% over 2008-09.

2. Meetings of the Council:

Because of the resource constraints, only two meetings were held during 2008-009. Since the resource position remains unchanged, NAEAC has planned two meetings in a year tentatively in the months of august, 2009 and January, 2010.

3. Seminars/Workshops:

During 2008-09, five awareness seminars were organized and delivered at various agriculture education institutions. Six seminars are planned during 2009-10.

4. Database Development:

Database development and updating is a mandatory and a continuing activity. The Deans/ Principals would forward the completed questionnaires to NAEAC secretariat. The E-mail survey shall be scrutinized and computerized. Summary tables shall be prepared for the website as well as for sharing with all agri. education institutions.

5. Updating of the NAEAC Website:

The Council has updated the material of its website by adding new information regarding Accreditation Framework, Notifications, Byelaws, Program Evaluators Guidelines/Manual, Faculty Profile by Qualification and Designation. The Council plans to upgrade the website further during 2009-10, and would welcome suggestions and technical advice of the Council members.

6. Publicity & Advertisement:

There is a need to promote the role and functions of the Council and its achievements in the prominent local and national level newspapers for the awareness of all the stakeholders. For this purpose, the Council plans to arrange press coverage of Council meetings, awareness seminars and AIC on-site accreditation visits starting August 2009.

Budget Allocation and Utilization for FY 2009-10

(Rupees)			
Code	Object	Budget Allocation	Actual Expenditure
71-1	Establishment Costs	1,392,000	1,447,500
71-20	Other Benefits (Honorarium) for Program Evaluators	250,000	113,000
72-10	TA/DA for Program Evaluators	120,000	137,467
72-13	Car Rental for Program Evaluators	35,000	17,635
72-14	Transportation of Goods	5,000	0
72-2	Communication	25,000	51,021
72-31	Stationery & other supplies	20,000	47,770
72-32	Printing and Publications	30,000	27,800
72-37	Other Misc. Expenses	10,000	1,168
72-42	Res. Equip. & Machinery	5,000	0
72-43	Computer & Office equipment	15,000	16,732
72-44	Furniture & Fixture	10,000	0
72-50	Audit Expenses	35,000	18,000
72-60	Publicity & Advertisement	20,000	0
72-63	Meetings/Seminars	20,000	11,500
72-67	Unforeseen Expenses	8,000	0
Total		2,000,000	1,889,593
Excess of Receipts over Expenditure			135,407
C-02104	Accreditation Fee	*25,000	-
Grand Total (Budget + Receipts)		2,025,000	-

* An amount of Rs. 25,000/- received from UAF on a/c of Accreditation fee.

Table I: Enrollment in Agriculture Institutions 2009-10

Institution	B.Sc (Hons)	M.Sc (Hons)	Ph.D	Total
Agriculture Universities (5)				
University of Agriculture, Faisalabad	3,448	1,054	268	4,770
Sindh Agriculture University, Tandojam	746	418	127	1,291
PMAS Arid Agriculture University, Rawalpindi	314	353	97	764
KPK Agricultural University, Peshawar	647	469	89	1,205
Lasbela University of Agriculture, Water & Marine Sciences, Uthal	91	0	0	91
Total	5,246	2,294	581	8,121
Agriculture Colleges (7)				
University College of Agriculture, B.Z.U, Multan	225	39	41	305
University College of Agriculture D.G.Khan (UAF)	0	25	0	25
Agriculture College Balleli Road, B.U, Quetta	65	221	0	286
Z.A Bhutto Agriculture College Dhokri, Larkana (SAU)	105	0	0	105
University College of Agriculture, Depalpur (UAF)	112	87	0	199
College of Agric.& Environmental Sciences, Bahawalpur	183	0	0	183
University College of Agriculture Sargodha	112	0	0	112
Total	802	372	41	1,215
Agriculture Faculties (2)				
Faculty of Agriculture Rawalakot, AJK University	135	30	15	180
Faculty of Agriculture, Gomal University, D.I.Khan	159	89	50	298
Total	294	119	65	478
Agriculture Departments (3)				
Institute of Plant Pathology, University of the Punjab Lahore	51	30	14	95
Agriculture Department, Karachi University, Karachi	62	3	10	75
Department of Agri. Sciences Allama Iqbal Open University Islamabad	0	600	2	602
Total	113	633	26	772

Contd...

Table II: Graduates Produced to-date by Agriculture Faculties

Institution	Graduates Produced		
	B.Sc (Hons)	M.Sc (Hons)	Total
Agriculture Universities (5)			
University of Agriculture, Faisalabad	8,138	6,844	14,982
Sindh Agriculture University, Tandojam	3,583	1,755	5,338
PMAS Arid Agriculture University, Rawalpindi	1,627	473	2,100
KPK Agricultural University, Peshawar	2,938	2,141	5,079
Lasbela University of Agriculture, Water & Marine Sciences, Uthal	0	0	0
Total	16,286	11,213	27,499
Agriculture Colleges (7)			
University College of Agriculture, B.Z.U, Multan	834	123	957
University College of Agriculture D.G.Khan (UAF)	428	0	428
Agriculture College Balleli Road, B.U, Quetta	650	0	650
Z.A Bhutto Agriculture College Dhokri, Larkana (SAU)	471	0	471
University College of Agriculture, Depalpur (UAF)	0	0	0
College of Agric.& Environmental Sciences, Bahawalpur	41	0	41
University College of Agriculture Sargodha	32	0	32
Total	2,456	123	2,579
Agriculture Faculties (2)			
Faculty of Agriculture, Gomal University, D.I.Khan	1043	701	1744
Faculty of Agriculture Rawalakot, AJK University	785	65	850
Total	1,828	766	2,594
Agriculture Departments (3)			
Institute of Plant Pathology, University of the Punjab Lahore	55	25	80
Agriculture Department, Karachi University, Karachi	31	0	31
Department of Agri. Sciences Allama Iqbal Open Uni. Islamabad	0	50	50
Total	86	75	161

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Table III: Class rooms, Number of Computers and Research Labs

Institution	No. of Class rooms	Covered Area of Class rooms (Sq.ft)	No. of Research Labs	No. of Computer Labs
Agriculture Universities (5)				
University of Agriculture, Faisalabad	23	17,555	61	3
Sindh Agriculture University, Tandojam	22	15,285	34	5
PMAS Arid Agriculture University, Rawalpindi	18	5,470	62	2
KPK Agricultural University, Peshawar	11	5,694	32	3
Lasbela University of Agriculture Water & Marine Sciences, Uthal	6	600	2	0
Total	80	44,604	191	13
Agriculture Colleges (7)				
University College of Agriculture, B.Z.U, Multan	21	7,694	2	1
University College of Agriculture D.G.Khan	12	7,795	6	2
Agriculture College Balleli Road, B.U, Quetta	13	10,400	7	1
Z.A Bhutto Agriculture College Dhokri, Larkana	8	0	0	1
University College of Agriculture, Depalpur (UAF)	4	3,980	1	1
College of Agric.& Environmental Sciences, Bahawalpur	8	1,344	2	0
University College of Agriculture Sargodha	10	1,175	4	1
Total	76	32,388	22	5
Agriculture Faculties (2)				
Faculty of Agriculture, Gomal University, D.I.Khan	10	2,386	17	0
Faculty of Agriculture Rawalakot, AJK University	8	220	6	4
Total	18	2,606	23	4
Agriculture Departments (3)				
Institute of Plant Pathology, University of the Punjab Lahore	6	4,814	13	1
Agriculture Department, Karachi University, Karachi	3	1750	6	0
Department of Agri. Sciences, Allama Iqbal Open University Islamabad	3	0	3	0
Total	12	6,564	22	1

Contd...

Table IV: Books, Journals and Computers Available

Institution	Computers For			Books	Journals
	Teachers	Students	Total		
Agriculture Universities (5)					
University of Agriculture, Faisalabad	122	127	249	4,048	29
Sindh Agriculture University, Tandojam	28	19	47	3,279	10
PMAS Arid Agriculture University, Rawalpindi	41	11	52	2,190	13
KPK Agricultural University, Peshawar	97	59	156	14,175	29
Lasbela University of Agriculture Water & Marine Sciences, Uthal	6	0	6	500	0
Total	294	216	510	24,192	81
Agriculture Colleges (7)					
University College of Agriculture, B.Z.U, Multan	22	38	60	5,974	0
University College of Agriculture D.G. Khan	15	36	51	0	1
Agriculture College Balleli Road, B.U, Quetta	10	31	41	5,966	4
Z.A Bhutto Agriculture College Dhokri, Larkana	0	11	11	0	81
University College of Agriculture, Depalpur (UAF)	1	15	16	0	2
College of Agric.& Environmental Sciences, Bahawalpur	11	9	20	742	4
University College of Agriculture Sargodha	15	50	65	1,005	3
Total	74	190	264	13,687	95
Agriculture Faculties (2)					
Faculty of Agriculture, Gomal University, D.I. Khan	13	6	19	515	7
Faculty of Agriculture Rawalakot, AJK University	35	9	44	1,500	5
Total	48	15	63	2,015	12
Agriculture Departments (3)					
Institute of Plant Pathology, University of the Punjab Lahore	10	24	34	1,534	16
Agriculture Department, Karachi University, Karachi	4	0	4	450	3
Department of Agri. Sciences, Allama Iqbal Open University Islamabad	8	1	9	200	0
Total	22	25	47	2,184	19

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Table V: Faculty Research Projects and Seminars

Institution	Research Projects			
	Completed	Underway	HEC Funded	Seminar organized
Agriculture Universities (5)				
University of Agriculture, Faisalabad	494	82	30	41
Sindh Agriculture University, Tandojam	46	36	9	55
PMAS Arid Agriculture University, Rawalpindi	31	23	14	27
KPK Agricultural University, Peshawar	81	18	43	49
Lasbela University of Agriculture Water & Marine Sciences, Uthal	1	1	0	4
Total	653	160	96	176
Agriculture Colleges (7)				
University College of Agriculture, B.Z.U, Multan	12	39	5	20+
University College of Agriculture D.G.Khan (UAF)	0	25	0	6
Agriculture College Balleli Road, B.U, Quetta	0	0	0	7
Z.A Bhutto Agriculture College Dhokri, Larkana	0	0	0	0
University College of Agriculture, Depalpur (UAF)	10	10	0	50
College of Agric.& Environmental Sciences, Bahawalpur	0	2	0	2
University College of Agriculture Sargodha	0	16	0	4
Total	22	92	5	69
Agriculture Faculties (2)				
Faculty of Agriculture, Gomal University, D.I.Khan	23	15	9	5
Faculty of Agriculture Rawalakot, AJK University	21	8	2	4
Total	44	23	11	9
Agriculture Departments (3)				
Institute of Plant Pathology, University of the Punjab Lahore	16	11	4	16
Agriculture Department, Karachi University, Karachi	0	2	0	2
Department of Agri. Sciences, Allama Iqbal Open University Islamabad	1	0	0	70
Total	17	13	4	88



F/A

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AUDITORS' REPORT TO THE SECRETARY

We have audited the annexed receipt and expenditure statement of the National Agriculture Education Accreditation Council (NAEAC) as at June 30, 2010 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 incurred basis. Our responsibility is to express an opinion on the statements 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 statements are free of material misstatement. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the statements. 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 respects, the cash receipt and expenditure of the NAEAC for the year ended June 30, 2010.


Chairman NAEAC
ISLAMABAD

Date: August 25, 2010


Naeem
25/8


ZIA MASOOD & CO.,
Chartered Accountants
Zia Ullah-ACA



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GMN International is an association of
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NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL
NOTES TO THE ACCOUNTS
For the year ended June 30, 2010

1. Status

NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL was established by Higher Education Commission-HEC in October, 2007. Its Scope of work is to accreditate institutions and their department, facilities and disciplines with HEC by giving them appropriate ratings.

2. Receipts

	2010
	Rupees
Annual Grant From HEC	2,000,000
Fee from University of Agriculture Faisalabad	25,000
	2,025,000

3. Variance Analysis

	Budgeted	Actual	Variance	
	Rupees	Rupees	Rupees	%
Establishment Costs	1,392,000	1,447,500	(55,500)	-4%
Other Benefits (Honorarium)	250,000	113,000	137,000	55%
TA/DA	120,000	137,467	(17,467)	-15%
Car Rental	35,000	17,635	17,365	50%
Transportation of goods	5,000	-	5,000	100%
Communication	25,000	51,021	(26,021)	-104%
Stationary & Other Supplies	20,000	47,770	(27,770)	-139%
Printing & Publications	30,000	27,800	2,200	7%
Other Miscellaneous Expenses	10,000	1,168	8,832	88%
Research Equipment & Machinery	5,000	-	5,000	100%
Computer & Office Equipment	15,000	16,732	(1,732)	-12%
Furniture & Fixture	10,000	-	10,000	100%
Meeting and Seminars	20,000	11,500	8,500	43%
Audit Expenses	35,000	18,000	17,000	49%
Publicity & Advertisement	20,000	-	20,000	100%
Unforeseen Expenses	8,000	-	8,000	100%
	2,000,000	1,889,593	110,407	6%

4. Cash & Bank

	2010
	PKR
Cash in Hand	6,143
Cash at Bank	546,597
	552,740

Nadeem
24/8/2010

R. Mehtab
24/8/10
RAJA MEHTAB VAO
 Admin/Finance Officer
 NAEAC Secretariat
 PARC HQ'S, Islamabad

PRESS RELEASES

Fourth Meeting of National Agriculture Education Accreditation Council on 23-01-2010

The Nation (21-01-2010)

4th meeting
of NAEAC
on 23rd

OUR STAFF REPORTER

ISLAMABAD—Fourth meeting of National Agriculture Education Accreditation Council will be held on January 23, 2010 at Mural Hall of the Higher Education Commission building in sector H-9, Islamabad at 10:30 am.

The council members, who include experts from agricultural universities and research institutions, leading industries and R&D institutions in public and private sectors, would attend this meeting.

The agenda includes approval of the recommendations of experts in the Accreditation Inspection Committee reports of various degree programs of different universities, work plan for 2010, budget proposal for 2010-11, etc.

The Council was established in 2006 to help improve the quality and standard of national agriculture education universities and colleges to bring it at par with the best international universities in the world.

DAILY PAKISTAN OBSERVER

ISLAMABAD

Tuesday, January 28, 2010

NAEAC set to approve
12 degree programmes

ISLAMABAD—National Agriculture Education Accreditation Council (NAEAC) is set to give approval to three agriculture universities for launching of 12 degree programmes in six disciplines.

The agriculture universities including University of Agriculture, Faisalabad, NWFP Agricultural University, Peshawar and Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi will get accreditation from NAEAC for the degree programmes within weeks.

Talking to APP, Secretary NAEAC Naseer Alam Khan said the Council also plans to hold six awareness seminars in six different institutions of agriculture before June, 2010 to sensitize the

stakeholders about the significance of accreditation and rating of degree awarding programmes.

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, he said.

The Council is focusing on quality assurance and improvement of learning and professional development of graduates according to national and international standards, since its establishment by Higher Education Commission (HEC) in 2006. The Council will also systematize and execute a comprehensive process of accreditation of the agriculture degree programmes by adopting transparent policies, procedures and cri-

teria and assist and advise the institutions in planning their academic programs, Naseer said.

Accreditation is a mandatory process for all relevant academic programmes offered by public and private sector institutions. The purpose of such accreditation is to enhance recognition of the institution and prospective students and employers, he said.

All institutions in the country which provide a recognized agriculture degree are required to apply to the Council to have such degree programmes accredited.

The NAEAC headed by Chairman Dr. M.E. Tusneem and Vice Chairperson is responsible for the accreditation of educational programmes leading to degrees in the agriculture disciplines.—APP

INTERNATIONAL

THE NEWS

Monday, February 01, 2010

Agriculture universities to
get their courses accredited

Islamabad

Three leading agriculture universities of the country will get their degree programmes accredited from the National Agriculture Education Accreditation Council (NAEAC) to promote quality learning.

In the coming weeks, the agriculture universities including University of Agriculture, Faisalabad; NWFP Agricultural University, Peshawar; and Pir Mehr Ali

Shah Arid Agriculture University, Rawalpindi will get accreditation from NAEAC for 12 degree programmes in six disciplines.

Talking to APP, Secretary NAEAC Naseer Alam Khan said accreditation is a mandatory process for all relevant academic programmes, offered by public and private sector institutions, and the purpose is to enhance the recognition of the institutions, and prospective students and employers.

All institutions in the country, which provide a recognised agriculture degree, are required to apply to the Council to have such degree programmes accredited, he said. The Council will hold six awareness seminars in six different institutions of agriculture before June 2010 to sensitize the stakeholders about the significance of accreditation and rating of degree awarding programmes. — APP

NAEAC Accreditation Activities, 2009-10

THE EDUCATION WATCH Pakistan November 3, 2009 – November 9, 2009 e

Opinion

National Agriculture Education Accreditation Council (NAEAC) was established in 2006 by Higher Education Commission (HEC) vide notification 1-4/AGR/NA/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.

The Council comprises 22 members including the Chairman and Vice Chairperson. The members are selected from the Faculties of Agriculture Universities, Agriculture Research Institutions, Provincial Agriculture Departments and leading Agro-Industries. The Council will focus on quality assurance as well as quality improvement at higher levels of learning and professional development of graduates for national and international comparison of set standards. The Council would also systematize and execute a comprehensive process of accreditation of the agriculture degree programs through adopting transparent policies, procedures and criteria and assist and advise institutions in planning their academic programs.

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.

The major functions of the National Agriculture Education Accreditation Council are to (1) 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, (2) Develop accreditation policies, processes, guidelines, and procedures for program evaluators (3) Approve the list of evaluators selected through a approved criteria to participate in the process of accreditation of academic programs and constitute

Accreditation Inspection Committees (AICs) from approved list of evaluators, (4) Develop program evaluator's training manual/self study material, questionnaire, forms and templates (5) Collect information and statistics on accredited programs of higher education of agriculture and its respective institutions and publish them as deemed necessary.

National Agriculture Education Accreditation Council (NAEAC) is mandated to organize a comprehensive program of accreditation of all degree programs of agriculture education institutions. Accreditation process is carried out through transparent and anticipatory process based on well defined standards, criteria procedures established by Higher Education Commission (HEC).

A key to transparent and effective accreditation is clarity of the standard criteria, and procedures followed by the program evaluators. In general accreditation standards include review and assessment of the mission and purpose of the institute, academic programs, system of governance (faculty, staff, and student), quality of faculty and staff (teaching, service and research), student admissions and advisory services, library and information technology resources, physical and technological resources, financial management and quality assurance mechanisms etc. The process of accreditation

in its own right is important for quality improvement. The assessment and accreditation processes help make institutions and their graduates competitive in the market and able to operate more effectively in today's knowledge environment. Countries and institutions which implement significant quality improvement programs are able to make university graduates more employable and enhance their contributions to national development and well-being. There is a growing recognition in developing countries that quality assessment and improvement must be an ongoing process which includes all tertiary institutions to sustain high standard of higher education in a constantly changing environment.

The Secretariat of NAEAC established in PARC HQ and is currently located at Crop Sciences Institute, NARC, Park Road, Islamabad with the following contact numbers and mailing address of the staff.

Crop Sciences Institute, NARC, Park Road Islamabad
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Website: www.naeac.org



وزارتہ ہائیکمپنیشن لاہور، زنانہ مساوات لاہور، لڈلائف سپورٹس لاہور

ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔ ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔ ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔

ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔ ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔

ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔ ہائیکمپنیشن کی انگریزی میں کوئٹل کے تین رنگی ڈیڈ کا معنی ہے جو تندرستی اور صحت کے لیے بہت مفید ہے۔

VICE CHANCELLORS OF THE AGRICULTURAL UNIVERSITIES

	<p>Prof. Dr. Iqrar Ahmad Khan Vice Chancellor University of Agriculture, Faisalabad</p>
	<p>Dr. A.Q. Mughal Vice Chancellor Sindh Agriculture University, Tandojam</p>
	<p>Prof. Dr. Khan Bahadar Marwat Vice Chancellor KPK Agricultural University, Peshawar</p>
	<p>Prof. Dr. Khalid Mahmood Khan Vice Chancellor PMAS Arid Agriculture University, Rawalpindi</p>
	<p>Dr. Abdul Hameed Bajoi Vice Chancellor Lasbela University of Agriculture, Water & Marine Sciences, Uthal, Balochistan</p>

National Agriculture Education Accreditation Council (NAEAC)
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