



ANNUAL REPORT 2019-20

**NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL
HIGHER EDUCATION COMMISSION ISLAMABAD**

ABOUT NAEAC

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

The major functions of the NAEAC are to:

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

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ACRONYMS

AIC	Accreditation Inspection Committee
AJK	Azad Jammu and Kashmir
AV	Audio Visual
BPS	Basic Pay Scale
BZU	Bahauddin Zakariya University
DIHE	Dadabhoy Institute of Higher Education
EFS	Extension Field Staff
FST	Food Science and Technology
GB	Gilgit Baltistan
HEC	Higher Education Commission
HEI's	Higher Education Institutions
HoD	Head of Department
IAGS	Institute of Agricultural Sciences
IPM	Integrated Pest Management
IT	Information Technology
KFUEIT	Khwaja Fareed University of Engineering & Information Technology
KIU	Karakoram International University
LDC	Lower Division Clerk
MNS	Muhammad Nawaz Shareef
MoU	Memorandum of Understanding
NAEAC	National Agriculture Education Accreditation Council
NARC	National Agriculture Research Centre
NCRC	National Curriculum Revision Committee
ORIC	Office of Research, Innovation and Commercialization
PBG	Plant Breeding and Genetics
PCR	Polymerase Chain Reaction
PERN	Pakistan Education and Research Network
QAA	Quality Assurance Agency
QEC	Quality Enhancement Cell
R&D	Research and Development
SAR	Self-Assessment Report
SAU	Sindh Agriculture University
SOP	Standard Operating Procedure
TTS	Tenure Track System
UAF	University of Agriculture, Faisalabad
UOH	University of Haripur
ZA	Zulfiqar Ali

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Chairperson's Message

I am pleased to present thirteenth Annual Report of National Agriculture Education Accreditation Council (NAEAC). The report encompasses council's activities during fiscal year 2019-20 related to accreditation of institutions providing education in various disciplines of agricultural sciences. It also provides detail of other activities undertaken by NAEAC including review meetings with institutions, quality assurance and accreditation awareness seminars, budget allocation and utilization, annual audit report, annual work plan and budget for the upcoming financial year 2020-21.



Most of the new initiatives planned were materialized in fiscal year except few, due to covid-19 pandemic. Worldwide, coronavirus has affected 210 countries including Pakistan causing nearly irreparable socio-economic and environmental loss. Almost all agricultural HEI's across Pakistan did great efforts to shift educational activities to online mode under the guidelines provided by HEC and NAEAC. Transformation from physical to online means overnight has expressed varied performances by different HEI's. In a web-based survey conducted by NAEAC it was learned that theoretical section of teaching in online education was bit acceptable with a compromise on practical learnings. As a council, we faced multi folded challenges like maintenance of online education quality and conduct of virtual accreditation activities to accomplish the annual plan during pandemic. Additionally, as per HEC vision 2025, number of HEI's in Pakistan are increasing, enhancing scope of accreditation councils to achieve and sustain academic excellence. NAEAC has worked on two-pronged strategies to mitigate these challenges by developing a culture of quality education in HEI's and shifting online to conduct virtual accreditation across Pakistan.

During the year 2019-20, the council successfully carried out accreditation visits of 10 institutions (two of them were virtual) throughout the country and evaluated 34 degree programs. Five awareness seminars were organized at University of Central Punjab Lahore, UET Lahore, Hamdard University Karachi, SAU Sub-Campus Umerkot and University of the Punjab Lahore for creating awareness among the academia, students and other stakeholders on importance of quality improvement in higher education. In addition, two review meetings were conducted in MNS-University of Agriculture Multan and Ghazi University, D.G. Khan.

In fourteenth council meeting various landmarks were achieved however, initiation of agricultural graduates/professionals/fellows registration and inclusion of new subjects under purview of NAEAC are the important accomplishments. Attainment of financial sustainability, development of fool proof data base in agricultural education, expansion in accreditation program domain and enhancement of program evaluators pool are the important challenges ahead.

Finally, I am grateful to all honorable council members for their intellectual contribution, constructive criticism and valued support. Guidance provided by Dr. Tariq Banuri, Chairman HEC, Dr. Fateh Muhammad Marri, ED HEC, Dr. Nadia Tahir, MD QAA and staff of QAA, HEC, Islamabad is also cherished. Cooperation by the Vice Chancellors, Deans, Directors QEC and Departmental Chairpersons of concerned HEI's is our motivation. Devotion and selfless commitment extended by NAEAC secretariat for judicious implementation of tasks in professional manners is also of enormous significance for the success and progression of council.

Prof. Dr. Ishtiaq A. Rajwana
Chairperson, NAEAC

Executive Summary

National Agriculture Education Accreditation Council (NAEAC) is one of the five accreditation councils established by Higher Education Commission of Pakistan and is mandated to accredit agriculture degree programs of all the Agriculture Education Institutions in Pakistan. The basic purpose of accrediting programs is to help improve the quality of higher education, enhance the capacity of institutions and upgrade their infrastructure in order to achieve and sustain academic excellence. The NAEAC strives to ensure a consistent and transparent external evaluation and accreditation mechanism of agriculture education degree programs in Pakistan.

During Financial Year 2019-20, the council carried out 18 on-site visits including 10 accreditation and eight pre-accreditation/zero visits. The on-site visits for external evaluation and accreditation were carried out at 10 institutions (two of them were virtual) to evaluate 34 degree programs. These include five programs each at the University of Poonch Rawalakot, University of Haripur and Sindh Agriculture University Tandojam, four each at PMAS Arid Agriculture University Rawalpindi and University of Sargodha, three each at Shaheed Z.A. Bhutto Agriculture College Dokri and University of the Punjab Lahore, two each at the Islamia University of Bahawalpur and Bahauddin Zakariya University Multan and one at Govt. College University, Faisalabad.

Pre-accreditation/zero visits are basically conducted to make preliminary assessment of the planning and preparation by the institution before launching a new degree program. It is meant to review and guide the institutions of the agriculture education degree programs based on HEC's requirements for initiating a new degree program. In this context, during 2019-20, the council undertook eight pre-accreditation/zero visits of 17 degree programs. These include four each at UAF Sub-Campus Depalpur Okara and MNS-University of Agriculture Multan, three at UAF Sub-Campus Burewala two at BZU Sub-Campus Layyah, one each at Karakoram International University Gilgit, DIHE Karachi, the University of Sindh Jamshoro and KFUEIT Rahim Yar Khan.

The purpose of quality assurance and accreditation awareness seminars is to explain the process, procedure and other pre-requisites of accreditation to the stakeholders. It is an ongoing activity of the council. NAEAC has organized and conducted 53 awareness seminars till June 2020. During 2019-20, five such awareness seminars were conducted one each at University of Central Punjab, Lahore; UET, Lahore; Hamdard University, Karachi; SAU Sub-Campus Umerkot and University of the Punjab, Lahore.

Two Review Meetings were held at MNS-University of Agriculture, Multan and Ghazi University, D.G. Khan during 2019-20. The objective of these meetings was to monitor the implementation status of recommendations made for improvement of quality of the agriculture education degree programs encompassing teaching faculty, curriculum, infrastructures, teaching-learning resources and associated facilities.

In order to improve the SAR writing skills and provision of information according to NAEAC evaluation manual (toolkit) council decided to provide capacity building trainings to the departmental focal persons nominated by the respective HEI's to coordinate with council staff for the completion of accreditation evaluation of visit from time to time. Accordingly nominations were sought from all HEI's and five training workshops were planned in FY 2019-20, however, due to covid-19 pandemic situation only one training workshop was organized at HEC, Islamabad and rest will be executed on the improvement of pandemic situation.

NAEAC has instilled a momentum of quality consciousness amongst agriculture institutions that have become an integral part of their education system. During 2019-20, the council has taken some initiatives including awarding of accreditation certificates for a certain period as per the rating category and publishing of e-newsletter on quarterly basis to update and share the activities of the council with all stakeholders.

I. Accreditation Activities

During 2019-20, main emphasis of the accreditation process was on second round visits besides follow-up visits in eight and five institutions respectively. Moreover, two formal visits were carried out for new degree programs. Overall 34 degree programs including 7 degree programs virtually evaluated and rated in Punjab, Khyber Pakhtunkhwa, Sindh and AJK. A summary of these activities is given below:

A. The University of Poonch, Rawalakot

1. Summary of AIC Visit

Discipline	Agronomy	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Zammurd Iqbal Ahmed	Prof. Dr. M. Bismillah Khan
Date of Visit	May 19, 2016	July 22-23, 2019
Rating	Y ₁ with 640 score (64%)	X ₃ with 650 score (65%)
Remarks	Rating improved	

Strengths: (i) Qualified and experienced faculty; (ii) The curriculum is followed in accordance with HEC recommendations and the revisions are made after every four years.

Weaknesses: (i) Lack of senior teaching faculty i.e. Professor and associate Professor level; (ii) Laboratory and class room facilities are not up to the mark; (iii) Inadequate computer facilities for students; (iv) There is absolutely no mega research project won by any faculty member; (v) Insufficient text/reference books and journals (vi) There is not a single qualified field assistant for running research projects; (vii) Other than farm area, controlled and semi controlled experimental facilities like greenhouse does not exist; (viii) There was no qualified research farm supervisor.

AIC Recommendations: (i) New faculty may be appointed under TTS/BPS standard; (ii) Supporting staff with relevant diploma and experience may be appointed; (iii) Dedicated efforts to establish industrial relationship of university with other institutions to open opportunities for graduating students and alumni; (iv) The facilities such as residence, transport etc may be provided to the faculty; (v) Hi-tech labs and advanced model research farm may be established to enable faculty and students to carry out their research efficiently; (vi) A sufficient amount and wide range of text and reference books, computers with internet availability, and journals maybe in access of the students; (vii) Specific funds may be allocated for the faculty members to encourage them to participate in various professional seminars and conferences; (viii) A workshop/training may be arranged for the existing and new faculty members to enable them to win international projects and scholarships.



2. Summary of AIC Visit

Discipline	Horticulture	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Nadeem Akhtar Abbasi	Prof. Dr. Amanullah Malik
Date of Visit	May 19, 2016	July 22-23, 2019
Rating	X ₂ with 740 score (74%)	X ₁ with 756 score (75.6%)
Remarks	Rating improved	

Strengths: (i) Department has a good combination of qualified well experience as well as young motivated faculty; (ii) Department has good linkages and liaison with other sister organizations/institutions at national level.

Weaknesses: (i) Limited intake of students in Horticulture major (sustainability issue); (ii) Limited students access to internet and HEC digital library; (iii) Non-alignment of academic calendar with other universities, which put the graduating students at disadvantage while taking admission at other HEI's; (iv) Experimental orchard and fruit plant nursery are not well organized; (v) Shortage of lab technician/ support staff.

AIC Recommendations: (i) Horticulture department seriously analyze the issue of low enrollment/intake and come up with some strategic initiatives in terms of re-branding its Horticulture program (e.g. Mountain Horticulture etc) capacity building, student support, R&D infrastructure improvement, and international linkages; (ii) Department should try to strengthen its international linkages with relevant institutions; (iii) Considering AJK geo-ecological situation, emphasis should be promoting Horticulture program as SMART farming, integrating relevant smart technologies; (iv) Department should work in collaboration with other departments at university or in partnership with other institution to develop short courses and enhance its interaction with community; (v) Year-round production of mushroom could make a very profitable enterprise in AJK, hence special research and capacity

building program to be developed in collaboration with UAF; (vi) Enhancing IT facilities, access to internet, HEC digital library, addition of new books, and other reference material for the department; (vii) Modernizing and upscaling of Fruit Plant Nursery and Ornamental Plant nursery by proper planning, resource allocation, targets, timelines, and performance incentive; (viii) Appointment of lab support staff, increased budget for lab work /maintenance and R&D; (ix) More resources for practical oriented training of students (field visits, field experiments, field surveys, supply chain case studies with reference to AJK etc.); (x) Training of faculty and staff; (xi) Development/improvement of recreational as well as indoor/outdoor sports facilities for students/faculty; and (xii) Exploring options/possibility of aligning academic calendar with other universities.



3. Summary of AIC Visit

Discipline	Plant Breeding and Genetics	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Muhammad Munir Dr. Naazar Ali	Dr. Zahid Akram
Date of Visit	October 16-17, 2012	July 22-23, 2019
Rating	X ₁ with (75-79%)	X ₁ with 750 score (75%)
Remarks	No improvement	

Strengths: (i) Qualified and competent faculty with three Ph.Ds comprising one Professor two Assistant Professors and four Lecturers; (ii) The department has one well equipped laboratory with all the modern equipment; (iii) The faculty has maximum number of projects in the university and has completed maximum projects in the university.

Weaknesses: (i) There is a need for regular foreign training facility to the faculty members; (ii) Although there is shared facility in a greenhouse but department needs to have a separate green house with facilities to control the environmental factors for conducting research experiments, maintaining and developing the promising material; (iii) Non availability of housing facility for teaching and allied staff at campus; (iv) Non availability of PERN

connectivity and HEC e-library at campus; (v) Farm facility need to be improved and more frequent visits of the students to the farm must be arranged.

AIC Recommendations: (i) The tissue culture facility in the departmental lab although has started but needs to be further strengthened; (ii) PERN connectivity for the students within the department and university for accessing the online journals and textbook is needed; (iii) A separate greenhouse with facilities is needed to maintain and develop the promising genetic material; (iv) Post-graduate research funds of the department should be increased by the university; (v) University should arrange more merit/need based scholarships; (vi) More research journals both national and international need to be subscribed for the departmental /main library; (vii) Functional tutorial groups with actual involvement of the students and counseling services for the students may be started; (viii) Alumni association and placement bureau needs to be established at university and made functional; (ix) Training of faculty at the international level and of lab staff at the local level for operating the lab equipment is required; (x) The sports and co-curricular activities must be enhanced at the department/ university level.

4. Summary of AIC Visit

Discipline	Plant Pathology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Zero Visit	Formal Accreditation Visit
Program Evaluators	Prof. Dr. Muhammad Arif	Prof. Dr. Tariq Mukhtar
Date of Visit	March 28, 2018	July 22-23, 2019
Rating	Not applicable	Y ₂ with 572 score (57.2%)

Strengths: (i) The teaching faculty is qualified and experienced with capacity to impart quality education; (ii) Adequate infrastructure and facilities are available to cater the need of currently enrolled students.

Weaknesses: (i) Non availability of departmental library and computer lab for students; (ii) Insufficient research grant; (iii) The faculty distribution is not according to HEC standard; (iv) There is a need to promote and induct more faculty members; (v) The students do not have access to digital library and international research journals; (vi) Collaboration with interprovincial and internal R&D and teaching institutions is lacking.

AIC Recommendations: (i) Improvement of infrastructure in the form of more laboratories, lecture rooms, computing facilities, offices, female common room keeping in view the future needs; (ii) Repair of out of order equipment to make it useful; (iii) Provision of opportunity to existing faculty for the position of Professor and associate Professors; (iv) Induction of young faculty to ensure their training and capacity building; (v) Arrangement for participation of faculty members and students in conferences, workshops and seminars at national and international level; (vi) Establishment of plant disease diagnostic facilities to cater the needs of the farmers community; (vii) Strengthening of alumni association; (viii) Enhancement of research budget to improve the quality of faculty and students research.



5. Summary of AIC Visit

Discipline	Soil Science	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Safdar Ali Mr. Tahir Saleem	Prof. Dr. Khalid Saifullah Khan
Date of Visit	October 16-17, 2012	July 22-23, 2019
Rating	X ₂ with 722 score (72.2%)	X ₂ with 741 score (74.1%)
Remarks	No improvement	

Strengths: (i) Availability of energetic, highly qualified and competent faculty; (ii) Student teacher ratio in the department at undergraduate level is ideal; (iii) The department has a well-equipped postgraduate research laboratory with all the required equipment to carry out quality research.

Weaknesses: (i) Non-availability of senior level faculty (Professor) to lead the department; (ii) Qualified laboratory staff is insufficient; (iii) Research Journals subscribed for the departmental/ main library are not sufficient; (iv) Access to digital library and PERN facility is not available; (v) No incentive for the faculty for publication in high quality impact factor journals.

AIC Recommendations: (i) Establishment of specialized laboratories pertaining to different disciplines of Soil and Environmental Science; (ii) Recruitment to the senior level faculty position (Professor); (iii) Induction of qualified laboratory staff in sufficient number; (iv) Internet facility for the students within the department and university; (v) Full access to digital library for searching online text books and journals; (vi) Individual sitting arrangements for postgraduate research students; (vii) Provision of independent greenhouse research facility for quality postgraduate research; (viii) Availability of more funds for the purchase of IT equipment and maintenance of laboratory equipment; (ix) Subscription of international research journals and strengthening of library facilities; (x) More availability of teaching aids and multimedia facilities in the department; (xi) Encouraging faculty for post-

doc research/ fellowships abroad; (xii) Incentivizing the faculty and postgraduate students for publishing in high impact factor journals; (xiii) Provision of residential and transport facilities to the students, staff and faculty; (xiv) Provision of clean drinking water at the campus.



B. PMAS Arid Agriculture University, Rawalpindi

1. Summary of AIC Visit

Discipline	Agricultural Economics	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Abdul Salam Dr. Muhammad Azeem Khan	Dr. Dilawar Ali Khan Prof. Dr. Muhammad Ashfaq
Date of Visit	May 19-20, 2011	September 16-17, 2019
Rating	X ₃ with 685 score (68.5%)	X ₁ with 750 score (75%)
Remarks	Rating improved	

AIC Recommendations: (i) Induction of well qualified and experienced faculty at senior levels (Associate Professor and Professor). University management will have to take effective initiatives for mobilizing donor support for building a strong faculty by sending the talented students to top-ranked universities (preferably in USA, Canada, Australia and UK) for PhD studies; (ii) Organizing of refresher training programs on a regular basis for improving the pedagogical skills of the faculty and their capacity for high quality research; (iii) A thorough and extensive review of the curricula under the auspices of HEC to enhance the relevance of various programs to the fast-changing needs of the economy; (iv) Instituting an effective mentoring system for the young faculty and further strengthening of the monitoring of curriculum delivery through class visits and regular consultative sessions; (v) Raising admission

standards based on a well-designed and properly implemented entry test for all the programs; (vi) Taking initiatives aimed at bringing an improvement in the communication and analytical skills of the students and even faculty; (vii) Reducing the negative external influences on decision making at the university and reviving a more conducive academic culture considered essential for the healthy intellectual pursuits and growth of intellect; (viii) Encouraging the adoption of a more decentralized system of management at the university by empowering the Dean particularly in matters related to admissions, faculty development and similar other academic areas; (ix) Effectively mitigating the negative influence of parochial considerations/nepotism in faculty induction, promotion and career advancement related matters; (x) Effectively using the faculty and graduate students capacity for regularly producing high quality research on contemporary issues, identified through properly conducted deliberations, and capable of yielding findings required for analysis-based policy and program formulation at the provincial and national levels.



2. Summary of AIC Visit

Discipline	Agricultural Extension	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Noshad Khan Prof. Fazal Karim Rajput	Prof. (Retd) Dr. Sher Muhammad
Date of Visit	December 29, 2014	September 16-17, 2019
Rating	Y ₃ with 505 score (50.5%)	Y ₃ with 510 score (51%)
Remarks	No improvement	

Weaknesses: (i) Acute shortage of regular faculty; (ii) Quiet inadequate and poor standard infrastructure; (iii) Inappropriate use of the existing infrastructure; (iv) No proper departmental library exists; (v) No formal A.V. Lab exists, the A.V. equipment is dumped due to lack of proper space; (vi) The quality of graduate research is not good because of non-availability of adequate regular faculty; (vii) No stakeholders workshops for improving teaching

contents and putting research on right track; (viii) No employers feedback mechanism exists; (ix) No internship training, field tours etc. for students exposure; (x) No outreach area for practical training of students; (xi) Inadequate operational budget.

AIC Recommendations: (i) Immediate induction of full time, professionally competent and qualified faculty as per HEC criteria on regular basis supported with induction training and faculty development programs; (ii) Less reliance on visiting faculty, if unavoidable, it should not be more than 20 percent of the total faculty; (iii) Urgent renovation and up gradation of infrastructure including class rooms, A.V. Lab, seminar room, common room and faculty offices; (iv) Establishment of departmental library with sufficient recommend books and internet facility; (v) Proper utilization of available infrastructure through proper management at the departmental level; (vi) More focus of faculty on graduate research. The quality of graduate research needs substantial improvement; (vii) Provision of sufficient operational budget for meeting day-to-day requirements; (viii) Revival of internship, study tours and field trips of students for exposure; (ix) Giving due attention to students complaints relating to drinking water, high prices of food items and poor food quality at the university market.



3. Summary of AIC Visit

Discipline	Horticulture	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Mr. Syed Mehfooz Ali Shah Mr. M. Hashim Laghari Mr. M. Tahir Saleem	Prof. Dr. Aman Ullah Malik Prof. Dr. Noor-ul-Amin
Date of Visit	April 13-14, 2009	September 16-17, 2019
Rating	X ₁ with (75-79%)	W ₃ with 822 score (82.2%)
Remarks	Rating improved	

Strengths: (i) Department has a good combination of qualified well experience as well as young motivated faculty; (ii) With its location in Rawalpindi, a sister city of the Federal Capital Territory, Islamabad, and having sub-campuses/farms in remote rural districts, department is in an excellent position to play its multiple roles in developments of local community as well as arid region; (iii) Department has good linkages and liaison with other sister organizations/institutions at national level.

Weaknesses: (i) Shortage of infrastructure i.e. seminar room, meetings room, lecture room, washroom etc.; (ii) Shortage of operational budget as reflected in report; (iii) Arid regions focus in academic and research seems diluted.

AIC Recommendations: (i) Horticulture department needs to reconsider its priorities and should clearly reflect it in the documents as well as the strategic initiatives supporting developments. Department also needs to enhance its engagement with the community; (ii) Departmental infrastructural needs must be met by university to give basic facilities to its students and staff; (iii) Department budget also needs to be increased to reduce the gap between



available vs actual requirement; (iv) Department should strengthen its short courses program in collaboration with other departments, especially for Horticulture and Landscape Entrepreneurship; (v) Department should work on the development of modern fruit plant and ornamental nurseries at koont farm; (vi) Better support from ORIC and QEC is required for improvements in relevant areas; (vii) Department/university needs to develop online system for student feedback, which will save time, resources, and the key points of feedback made available to respective Chairperson for appreciation as well as necessary counseling of concerned staff; (viii) Enhancing facilities in main library including new books and other reference material for the department; (ix) Starting training for new faculty and staff; (x) Student facilitation/services (enhancing accommodation facilities, washrooms maintenance etc.) and ensure equal opportunities in use of R&D and other facilities.

4. Summary of AIC Visit

Discipline	Plant Pathology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Muhammad Arif Dr. Nazir Javed	Prof. Dr. Muhammad Arif Prof. Dr. Shahbaz Talib Sahi
Date of Visit	March 2-3, 2010	September 16-17, 2019
Rating	X ₂ with (70-74%)	X ₃ with 685 score (68.5%)
Remarks	Rating declined	

Strengths: (i) The teaching faculty is highly qualified (over 80% PhDs) and experienced with vision and capacity to impart quality education; (ii) The department has essential infrastructure with four functional laboratories and three shared classrooms and six faculty offices; (iii) The faculty has been active to hunt externally funded research grants. So far 12 research projects have been completed and three research projects are in hand from various donor agencies. Faculty has established research culture in the department.

Weaknesses: (i) The department is located on 2nd floor with no safety arrangements. The laboratories are deficient in safety arrangements including fume hoods and security system; (ii) No separate classrooms for specializing students of M. Sc. (Hons) and use of laboratories as classroom limit the scope of research activities; (iii) The virology laboratory needs to be established with sufficient research facilities on viruses. Equipment such as ultracentrifuge, gel electrophoresis and documentation related equipment, ultra-low refrigeration and storage of specimens and kits, etc. are required; (iv) Laboratories with insufficient, inadequate and un-trained supporting staff with no back up service for the equipment; (v) Experimental farm is almost 78 km from the department and beyond the routine access of the students with no environmentally controlled facility at the station; (vi) The department has no common room facility for faculty and post-graduate students; (vii) Some of the young faculty members were not fully aware on the issue of the course files; (viii) Limited grant or extremely insufficient financial resources for operational expenses and no grant for the improvement of efficiency of the faculty and the supporting staff; (ix) No financial resources allocated to the department for the internship.

AIC Recommendations: (i) The department is located on the 2nd floor. Safety arrangements and security plans are not in place for any emergency situation. The laboratories need to be equipped with fume hoods, fire safety equipment, first aid kits, etc.; (ii) The department needs at-least one laboratory for virus research & three class rooms and five faculty offices. Furthermore, the department needs common rooms for both male and female students; (iii) Induction of qualified faculty members in the areas of virology, phyto-bacteriology and nematology should be initiated immediately, timely promotion of deserving faculty is recommended; (iv) The laboratories are reasonably equipped with required equipment but equipment relevant to virus research such, ultracentrifuge, ultralow freezer, gel documentation and visualization apparatus, etc are need to be made available; (v) For post-graduate level research/experiments and faculty research, at least a medium size glasshouse (30x20 ft) and a plastic tunnel/screen house (40x25 ft) are urgently needed at the main campus; (vi) Provision of appropriate funds to department for the purchase of glassware, chemicals etc.; (vii) Sufficient financial resources should be provided to the department for operational expenses and financial grant be provided for the improvement of efficiency of the faculty and the supporting staff; (viii) Financial assistance should be provided to the internship programs at B.Sc.

(Hons) degree program and financial assistance should also be allocated to the department for conduction of postgraduate research; (xiv) Laboratory staff should be replaced with adequate and trained supporting staff. The capacity of existing supporting staff could be improved through short-term trainings; (xv) HEC recommended books in curriculum revised in 2014 should be made available; (xvi) Participation of faculty members in conferences, seminars and workshops need to be further encouraged; (xvii) Professional linkages need to be developed with institutions of higher learning both at national and international levels particularly working in research and development on arid region.

C. The University of Haripur

1. Summary of AIC Visit

Discipline	Agronomy	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Zammurad Iqbal Ahmed	Prof. Dr. Shad Khan Khalil
Date of Visit	November 12, 2015	November 4, 2019
Rating	Y ₁ with 60-64%	X ₂ with 720 score (72%)
Remarks	Rating improved	

Strengths: (i) Qualified faculty (6 Ph.D. and one M.Sc. (Hons)) highly motivated and friendly environment for teaching and learning. Ideal student teacher ratio favors highest student teacher interaction; (ii) Close proximity of internationally accredited organizations; (iii) Rules/regulations are followed properly and nonexistence of students political groups/ federations.

Weaknesses: (i) Limited existence of sports, co-curriculum, recreational, refreshment facilities and dispensary; (ii) Insufficient and unfurnished laboratory, computer and library facilities; (iii) Absence of well-developed and well equipped research farm; (iv) Lack of exposure of students to other universities and research institutions of the country.

AIC Recommendations: (i) Faculty strength harmonized with student strength, appropriate/action taken in this regard; (ii) Classrooms should be provided with working multimedia facility. Funds from the faculty funded research projects may be reallocated for this purpose; (iii) Lecture room capacity should be increased to accommodate 60-70 students to cope with the students strength; (iv) Need of supporting staff for the laboratories; (v) ORIC office should provide more guidance to the faculty for funding research projects by national and international donor agencies; (vi) High achiever amongst the faculty should be recognized and rewarded with monetary benefits; (vii) About 25% of courses should be developed according to local requirements and approval should be sought from the university statutory bodies; (viii) Provision of IT facilities, access to HEC digital library, textbooks and reference material for the department; (ix) Provision of scholarship facilities should be advertised at prominent places for information of students; (x) Provision of recreational as well as indoor/outdoor sports facilities for students; (xi) Completion of faculty pyramid i.e. appointment of Professor/associate Professor as soon as possible

as per recommendation of HEC 1:1:2:2; (xii) Infrastructure strengthening and up gradation like library, labs. farm research area should be focused; (xiii) University convocation should be held on regular basis; (xiv) Paid internship should be provided to the B.Sc. (Hons) students in collaboration with local government/public research organization/industries to improve students skills; (xv) Field visits should be made part of practical to enhance the students research skills.



2. Summary of AIC Visit

Discipline	Entomology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Muhammad Naeem	Prof. Dr. Mian Inayatullah
Date of Visit	November 12, 2015	November 4, 2019
Rating	Y ₁ with 600 score (60%)	X ₃ with 655 score (65.5%)
Remarks	Rating improved	

Strengths: (i) Qualified and sufficient faculty and staff of the department. Three faculty members are foreign qualified PhDs. One Professor has 25 years research/teaching experience; (ii) Faculty members are active researchers and have published more than 100 research articles; (iii) The farmers' field areas are easily approachable to the students which is a very positive point for agricultural students; (iv) Indoor and outdoor games, transport, accommodation and medical facilities are available and easily accessible to students; (v) Two classroom and two labs. are allocated specifically for Entomology students; (vi) Faculty and students are satisfied with the work and academic environment of the department.

Weaknesses: (i) Currently, there are various areas of weaknesses regarding faculty, lab equipment and research area which needs further improvements; (ii) Faculty members should compete for competitive research grants. Currently two research projects are underway but the grant amount is less and of short duration. The department will shine if faculty tries for more and higher grants which will equip the department and provide support to students; (iii) Research funds are not enough for conducting research and maintenance of laboratory; (iv) Labs are not fully equipped and safety standards are less than satisfactory. The department lacks high power stereomicroscope; (v) The program lacks some modern research and teaching equipment; (vi) Research journals are not available in the library.

AIC Recommendations: (i) There is need of a project for strengthening the infrastructure of the department; (ii) The area needs basic equipment like sprayers, insect collection boxes, modern aerial net, aspirators, light traps, pheromones traps, sifter, setting board micropipettes, PH meter, camera-fixed stereomicroscope, high magnification stereomicroscope, drying cabinets, ovens, cool incubators, desiccators; (iii) Establishment of separate entomology labs viz. systematics, IPM and bio-control lab.; (iv) Establishment of Entomology library and increased budgeted for purchasing books/journals; (v) Resources should be approved for faculty members to frequently participate in seminar, conferences and workshops at national and international level; (vi) The senior and qualified faculty members shall be encouraged to submit project proposals to different donor organizations, which will greatly enhance their research capabilities and infrastructure of the department; at the same time it will provide support to post graduate students.

3. Summary of AIC Visit

Discipline	Food Science and Technology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Alam Zeb	Prof. Dr. Alam Zeb
Date of Visit	November 12, 2015	November 4, 2019
Rating	Y ₁ with 600 score (60%)	X ₃ with 670 score (67%)
Remarks	Rating improved	

Strengths: (i) The students of this department have the golden opportunity to gain practical knowledge from Food Industrial Estate, Hattar, Haripur; (ii) Classrooms standard was found satisfactory for classes and seminars; (iii) There is QEC Directorate to evaluate the overall education standard of the university.

Weaknesses: (i) PhD qualified faculty is required by the department. Promotion of the eligible faculty is important so they can be encouraged to work hard in teaching. Yet there is no Professor in the department which is the major deficiency as per HEC standard; (ii) There is shortage of latest books of food science as shown in the syllabus; (iii) There is also shortage of the research journals of food science received by main library; (iv) Still there are no labs of food processing and sensory evaluation as suggested in previous AIC reports; (v) Lack of machinery and tools for food processing & preservation practical's; (vi) Qualified and trained lab staff is required for maintenance and installation of equipment; (vii) The department should start trainings programs in "fruits processing and

preservation” especially for women so they can at least preserve and prepare different food products in their home for their family from fruits and vegetables grown locally; (viii) Sports facility should be improved for students and faculty.

AIC Recommendations: (i) At least one Professor and three Lecturers are required in the department; (ii) Immediate purchase of small machinery and important tools for food processing practicals; (iii) Qualified and trained lab staff is required; (iv) Latest food science books are required by the department; (v) Students background in practicals of the courses should be enhanced.



4. Summary of AIC Visit

Discipline	Horticulture	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Ishfaq Ahmed Hafiz	Prof. Dr. Noor ul Amin
Date of Visit	November 12, 2015	November 4, 2019
Rating	Y ₁ with 619 score (61.9%)	X ₃ with 693 score (69.3%)
Remarks	Rating improved	

Strengths: (i) The university is in proximity to horticulture based industry like shezan beverages, qurshi industries in Hattar industrial estate, Haripur; (ii) Department has experienced and qualified faculty members; (iii) Horticulture department has good working relation with different institutions, such as NARC, FSC & RD, agriculture extension, model farm services center, awan nursery farm; where students can undertake their internships or any other research related activities.

Weaknesses: (i) Lack of skilled staff e.g. field assistant and field workers; (ii) Insufficient land for the establishment of proper research farm; (iii) Lack of required farm implements; (iv) Lack of individual labs of pomology, olericulture and floriculture with limited facilities; (v) Shortage of relevant course books; (vi) Insufficient permanent faculty and supporting staff; (vii) Insufficient infrastructure.

AIC Recommendations: (i) In order to realize the importance of Agriculture particularly in non-specialized universities like UOH, a separate Faculty of Agriculture Sciences needs to be developed and all relevant departments including horticulture should run their programs & other activities under that umbrella; (ii) Teaching staff is insufficient and a senior faculty at least one Professor is needed; (iii) Supporting staff especially laboratory staff is less in number, not qualified and inexperienced; (iv) Provision of permanent space instead of temporary offices for all teachers, improvement in existing labs and classrooms with proper facilities; (v) There is need for installation of greenhouses at university campus; (vi) The department is at its initial stage of establishment and need financial grants for strengthening; (vii) The faculty must be encouraged to prepare projects for up-gradation of the department; (viii) Innovative research may be initiated.

5. Summary of AIC Visit

Discipline	Plant Breeding and Genetics	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	Follow-up Visit
Program Evaluators	Dr. Zahid Akram	Dr. Waqas Malik
Date of Visit	November 12, 2015	November 4, 2019
Rating	Y ₁ with 620 score (62%)	X ₃ with 666 score (66.6%)
Remarks	Rating improved	

Strengths: (i) Faculty is reasonably involved in the research activities and publishing their work in national and international journals; (ii) Germ plasm of various crops has been collected by the department to develop new breeding material for research at graduate and post-graduate level; (iii) Availability of a molecular breeding lab with some basic equipment for basic research and hands-on trainings of students.

Weaknesses: (i) Unavailability of senior faculty members i.e. Professor and Associate Professor; (ii) No timely promotions of TTS faculty; (iii) Shortage of budget for conducting research and maintenance of laboratories; (iv) Limited lab space, office facilities and there is no departmental library; (v) Non-availability of sufficient number of computers for students and staff; (vi) Limited availability of experimental fields; (vii) Unavailability of glasshouse and growth rooms.

AIC Recommendations: (i) Recruitment of senior faculty members i.e. Professor and Associate Professor; (ii) Capacity building programs for teaching staff must be initiated to equip the faculty with modern teaching gadgets; (iii) Funds for graduate and postgraduate studies should be increased to a reasonable extent to conduct impacted research; (iv) More research funding should be hunted by the faculty from national and international funding agencies; (v) Lab facility must be upgraded with latest equipment and trained lab staff; (vii) Facility of e-library and computer lab at departmental level should be provided to the students of the department for easily

approaching online journals, books and research paper etc.; (viii) Placement bureau should be established for the students to provide job opportunities after completion of their degrees; (ix) A strong linkage should be established between department and industry by holding of seminars and conferences frequently; (x) Emphasis must be given for practical training through practical work especially in the field for conducting the field experiments; (xi) New books related to offer courses must be included in the library stock; (xii) A reward based system must be initiated for the faculty members and researchers to promote the research activities; (xiii) Some basic research facility like experimental field, glasshouse and growth rooms must be built to conduct applied and basic research.



D. Sindh Agriculture University, Tandojam

1. Summary of AIC Visit

Discipline	Agricultural Economics	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Asandas Manwani Dr. Ali Muhammad Khushk	Prof. Dr. Sofia Anwar
Date of Visit	March 19-20, 2013	November 18-19, 2019
Rating	Y ₂ with (58%)	X ₃ with 692 score (69.2%)
Remarks	Rating improved	

Strengths: (i) The location of this university makes it a unique seat of learning and support for this locality students; (ii) The programs offered in a university are up to standard and meet the local needs for education.

Weaknesses: (i) The programs requires an improved infrastructure that is lacking currently; (ii) Induction of new faculty is required in the department; (iii) Library facilities are very poor; (iv) Research trainings and incentives are totally lacking; (v) No exclusive budget was allocated for the department; (vi) Computer facilities and training for both students and faculty are not sufficient.

AIC Recommendations: (i) Strengthening of the library and computer labs; (ii) Exclusive allocation of the sufficient funds for the department; (iii) Immediate appointment of new faculty preferably PhD; (iv) Faculty development through sending the existing faculty for training programs; (v) Research trainings are highly recommended to equip the faculty to write high standard publications.

2. Summary of AIC Visit

Discipline	Agricultural Extension	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Prof. (Retd) Dr. Fazal Karim Dr. Yameen Memon	Dr. Ejaz Ashraf
Date of Visit	March 19-20, 2013	November 18-19, 2019
Rating	X ₃ with (65-69%)	X ₃ with 665 score (66.5%)
Remarks	No improvement	

Strengths: (i) Highly qualified and experienced faculty; (ii) Academic programs are being run successfully even with meager resources; (iii) Faculty and departmental leadership always welcome constructive suggestions to improve the performance and overall academic standards.

Weaknesses: (i) Shortage of senior level faculty position such as Associate Professor on regular basis; (ii) Less focus on faculty research and publications; (iii) Lack of interest in accessing digital library for research material; (iv) Lack of infrastructure and equipment; (v) Shortage of relevant books and reference material in the departmental and main library; (vi) Insufficient operational budget for the department.

AIC Recommendations: (i) In faculty development program, priority should be given to young faculty to provide opportunities for post-graduate studies in agriculture extension in the country or abroad to upgrade their knowledge and skill in agriculture extension; (ii) Refresher courses in pedagogical skills and innovative teaching learning methods should be organized on a regular basis for the new/young faculty; (iii) Number of senior faculty must be improved; (iv) Young faculty should be provided opportunities and incentives to prepare research proposals for attracting research grants from various donor agencies; (v) New and prevailing researchable problems of the farmers and other stakeholders of agricultural system must be addressed in research proposals at postgraduate level; (vi) Scheme of studies should be reviewed and revised by involving all stockholders. An effort should be made to remove overlaps/ duplication and redundancy of contents; (vii) Courses like precision agriculture and its applications need to be included in the curriculum to address the training needs of EFS and technology transfer to progressive farmers at mass level; (viii) Meetings of Board of Studies and Faculty Board need to be convened regularly on priority bases; (ix) Attention should be given to arrange practical classes to give hands on training to the students to improve their practical skills; (x) More field exposure should be given to the students through arranging field trips and study tours to farmers field, within the province and inter-province; (xi) Departmental library should be upgraded, and latest books and reference material should be made available for the students; (xii) Faculty and postgraduate students must be encouraged to use digital library effectively; (xiii) Students access to computer and internet should be enhanced through establishing a well-equipped computer lab in the department;

(xiv) Infrastructure i.e. lecture rooms, AV lab., computer lab., library, seminar rooms etc. and AV equipment should be provided to make the academic and research programs effective; (xv) Operational budget of the department should be enhanced to a reasonable extent, keeping in view the actual needs of the department; (xvi) Difficulties of students relating to hostel accommodations, transport, medical treatment, sports etc. should be properly addressed by the university management.



3. Summary of AIC Visit

Discipline	Entomology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Dr. Ghulam Jilani Prof. Dr. Muhammad Naeem	Dr. Muhammad Razaq
Date of Visit	March 7-8, 2012	November 18-19, 2019
Rating	X ₃ with 690 score (69%)	X ₂ with 729 score (72.9%)
Remarks	Rating improved	

Strengths: (i) Out of 12 faculty members 10 hold Ph.D. degree; (ii) Diversity of expertise of the faculty in fields of biological control, bio-systematic, molecular entomology, stored grain pest management and IPM; (iii) Sufficient infrastructure with research and teaching laboratories; (iv) Reasonable numbers of quality research publications by the faculty with some books; (v) Only institute of higher education for basic and applied entomology in the Sindh province.

Weaknesses: (i) Unavailability of modern research equipment particularly in the field of Molecular Entomology; (ii) Most of the course files are not rich in contents; (iii) No regular budget to meet usual research expenses; (iv) Unavailability of recent textbooks in the departmental library; (v) Lack of greenhouse facility although a lath house has been built; (vi) Most of the students are not aware with digital sources of the learning; (vii) Lack of the availability of funds for faculty to participate in conferences at national level.

AIC Recommendations: (i) Departmental library should be strengthened by providing recent textbooks; (ii) The department needs equipment like advanced stereomicroscope with facility of photography and equipment for molecular studies i.e. PCR machine with all requisites like low temperature freezers, ovens, centrifuges, pipettes, electrophoresis, gel documentation system etc., growth chambers and insecticide micro applicator; (iii) A greenhouse is required to strengthen research; (iv) The faculty needs training in modern molecular and biotechnological areas; (v) Linkages with national and international universities should be further strengthened; (vi) Funds should be arranged for faculty members to regularly participate in conferences, seminar and workshops at national and international level; (vii) Faculty should start research on new areas like developing pest management with respect to climate change; (viii) Department of Plant Protection and Entomology having almost similar objectives and goals should be merged; (ix) The contents of the course files can be improved through training to enhance quality of education; (x) Evaluation of courses and program by students should be conducted regularly; (xi) Laboratory and field staff should be increased and trained.

4. Summary of AIC Visit

Discipline	Plant Pathology
Degree Program	B.Sc. (Hons)
Nature of Visit	Formal Accreditation Visit
Program Evaluators	Prof. Dr. Shahbaz Talib Sahi
Date of Visit	November 18-19, 2019
Rating	X ₃ with 655 score (65%)

Strengths: (i) The teaching faculty is adequately qualified, two third are PhDs and experienced with capacity to impart quality education; (ii) The rules, procedures and standards are being properly followed for admission and assessment of students and teachers with proper feedback from stakeholders.

Weaknesses: (i) Non availability of departmental library and a computer lab for students; (ii) Insufficient research grant; (iii) The facility of greenhouse is not available in the department; (iv) There are very few good publications which are based on local research. Most of the publications are based on the research done during doctorate or post doctorate stay abroad; (v) The departmental library is deficient of some of recent text/reference books; (vi) The culture of research is rather weak; (vii) The students hostels are not properly furnished. The standard of food is not up to the mark.

AIC Recommendations: (i) Induction of more faculty to ensure their training and capacity building before the retirement of senior faculty; (ii) The system for adequate training of newly inducted faculty and support staff needs to be developed; (iii) Improvement of infrastructure in the form of more laboratories, lecture rooms, computing facilities, offices, female common room, keeping in view the future needs; (iv) Repair of out of order equipment to make it useful; (v) Arrangement for participation of faculty members and students in conferences, workshops and seminars at national and international level; (vi) Establishment of plant disease diagnostic facilities to cater the needs of the farmers community of the province; (vii) Establishment of an effective outreach program to disseminate the knowledge generated through postgraduate students and faculty research; (viii) Strengthening of alumni association; (ix) Enhancement of research budget to improve the quality of faculty and students research.



5. Summary of AIC Visit

Discipline	Plant Protection	
Degree Program	B.Sc. (Hons)	
Nature of Visit	1 st Round Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Shafi M. Nizamani	Dr. Sobia Chohan
Date of Visit	March 19-20, 2013	November 18-19, 2019
Rating	X ₁ with 770 (77%)	X ₁ with 752 score (75.4%)
Remarks	No improvement	

Strengths: (i) Department has a good combination of qualified well experience as well as young motivational faculty, out of nine faculty members eight have Ph.D. degrees including one with Postdoc; (ii) Department has good linkages and liaison with other sister organizations/institutions at national and international level; (iii) The department has three research laboratories, out of them one plant disease diagnostic & research lab is well equipped. The other two IPM and bio-control labs are moderately equipped with necessary relevant facilities.

Weaknesses: (i) Shortage of operational budget provided to the department by university for research purposes is a major constraint in carrying out research activities and practical work; (ii) Faculty needs in-service training regarding innovations and new disciplines emerging out in plant protection; (iii) The department has a library with about 127

books, but it needs more newly published books and regular subscription of international and national research journals; (iv) Limited/lack of students access to internet and HEC digital library/online sources; (v) Limited intake of students is also a main sustainability issue in plant protection major; (vi) Shortage of advanced equipment for research in higher degrees; (vii) Up gradation of glass house is needed; (viii) Each laboratory should have safety equipment.

AIC Recommendations: (i) There is shortage of Assistant Professors (TTS) and lectures in the department. Therefore, qualified faculty members should be appointed to strengthen degree programs; (ii) Faculty may be encouraged to hunt for grants from HEC and other national and international donor agencies; (iii) Department would need support from university in term of capacity building, R & D infrastructure improvement, along with student financial and logistic support etc. to make it more attractive program. Department also needs to enhance its engagement with the community/local industry; (iv) Department should strengthen its linkages with relevant international institutions and donor agencies; (v) The capacity of young faculty members may be enhanced through short term and long term training abroad; (vi) Post-graduate research should be expanded to molecular and biotechnological level; (vii) The internet issue certainly needs to be followed up rigorously to explore how quickly to enhance students access to internet/online resources; (viii) Enhancing IT facilities, access to internet, HEC digital library, adding of new books, and other reference material for the department; (ix) ORIC/IT to support capacity building in application of various software to both faculty and post graduate students; (x) QEC report should be made available to respective chairperson through Dean for appreciation as well as necessary counseling of the concerned staff; (xi) Training of lab support staff, increased budget for lab work/maintenance; (xii) More resources for practical oriented training of students i.e. field visits, field experiments and field surveys; (xiii) Development/improvement of recreational as well as indoor/outdoor sports facilities for students/faculty; (xiv) Students facilitation/ services like increasing financial assistance to needy students on priority basis; (xv) Department should develop functional Alumni association in true spirit.

E. Shaheed Z.A. Bhutto Agriculture College, Dokri

1. Summary of AIC Visit

Discipline	Entomology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Ghulam Jilani	Dr. Muhammad Razaq
Date of Visit	December 11-12, 2017	November 20, 2019
Rating	Y ₂ with 560 score (56%)	Y ₁ with 602 score (60.02%)
Remarks	Rating improved	

Strengths: (i) Department of entomology is the only institute in northern part of the Sindh province offering undergraduate degree program; (ii) Easy access for higher education opportunities for candidates in Larkana and surrounding areas; (iii) Students and faculty seem to be satisfied with environment and facilities of the department.

Weaknesses: (i) No senior faculty of Professors and Associate Professors have been appointed; (ii) Acute shortage of laboratory basic equipment to perform practical at undergraduate level; (iii) Shortage of recommended textbooks

in the library; (iv) No internet facility in the department which is among the basic requirements; (v) HEC digital facilities like library and subscribed journals are not being utilized; (vi) Course files are adequately poor in contents; (vii) Lack of the availability of funds to participate in conferences at national level; (viii) Lack of availability of budget for research to the faculty.

AIC Recommendations: (i) Appointment of senior faculty members and induction of well qualified new members is needed for growth of the department; (ii) Arrangement of the seminars, workshops, symposia etc. in the department by inviting speakers to improve quality of education and research; (iii) Enhancement of the budget for usual expenditures; (iv) Purchase of new models of modern equipment for teaching and research at molecular level and other fields of entomology like systematic and to study biology and behavior etc.; (v) Purchase of recent text and recommended books for the library; (vi) Greenhouse and glasshouse facilities should be provided immediately.

2. Summary of AIC Visit

Discipline	Plant Pathology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	Follow-up Visit
Program Evaluators	Dr. Muhammad Naveed Aslam	Prof. Dr. Shahbaz Talib Sahi
Date of Visit	December 11-12, 2017	November 20, 2019
Rating	Y ₃ with 500 score (50%)	Y ₃ with 500 score (50%)
Remarks	No improvement	

Strength: (i) This is the only institution imparting education in different fields of agriculture including Plant Pathology, in the northern Sindh.

Weaknesses: (i) No senior faculty (Professor) in the department; (ii) Administrative and financial powers are not delineated creating a lot of issues; (iii) Basic and essential equipment are lacking. Whatever equipment is available is underutilized or nonfunctional. Laboratory supplies such as chemicals, reagents and glassware are inadequate; (iv) Research facilities for the faculty are limited due to budget constraints, moreover, the faculty doesn't seem to be enthusiastic to develop a research culture; (v) Lack of greenhouse/glasshouse for faculty research and students practical work; (vi) Inadequate transport facilities for students; (vii) Lack of medical facilities for the students; (viii) Limited number of books in the library and no book bank facility; (ix) Untrained supporting staff especially laboratory staff to operate and maintain the equipment and instruments; (x) Inadequate computing and internet facilities for the students; (xi) Lack of collaboration with other R&D institutions and stakeholders; (xii) Unavailability of research grant from different funding agencies.

AIC Recommendations: (i) The administrative and financial powers should be decentralized to improve the teaching and research activities; (ii) Appointment of more faculty to fulfil the HEC criterion of minimum faculty requirement; (iii) The existing faculty should be given the opportunity of sabbatical to main campus in order to broaden their vision and knowledge; (iv) Sanction of special incentive to retain the existing faculty and to attract new potential faculty; (v) Due to severe water logging, there is a lot of wear and tear in the building. There is a need of

massive repairing and maintenance; (vi) Establishment of well-equipped laboratories for students and faculty research coupled with ensured supplies like chemicals and glassware; (vii) Proper training of laboratory staff regarding the use of equipment and safety measures; (viii) Budget for equipment, instruments, chemicals, glassware and books should be increased; (ix) Medical and sports facilities should be upgraded to create a healthy environment; (x) More and recent books should be procured; (xi) The facilities of computing and internet should be ensured for the students and faculty; (xii) Safety arrangements and security plans are not in place. The laboratories may also be equipped with fire extinguishers, first aid kits/facilities; (xiii) Faculty should be motivated to write and win viable research projects; (xiv) Necessary arrangement should be made for guidance and counseling to the students; (xv) Participation of faculty members in conferences seminars and workshops may be encouraged to improve exposure and interaction with peer groups worldwide.



3. Summary of AIC Visit

Discipline	Plant Protection	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	Follow-up Visit
Program Evaluators	Prof. Dr. Ghulam Jilani	Dr. Sobia Chohan
Date of Visit	December 11-12, 2017	November 20, 2019
Rating	Y ₃ with 540 score (54%)	Y ₃ with 500 score (50%)
Remarks	No improvement	

Strengths: (i) Sufficient land and infrastructure are available to build a modern department; (ii) The competent authority is fully supportive for the growth of department.

Weaknesses: (i) Shortage of operational budget provided to the department in carrying out research activities and

practical work; (ii) The department is deficient in experienced faculty members which is a dire need of the department; (iii) Limited intake of students is also a main sustainability issue in plant protection major; (iv) There are extremely insufficient number of laboratory equipment that are basic in nature to perform practical at undergraduate level and to conduct research activities; (v) There is deficiency of good number of recent text books in the library; (vi) Lack of students access to internet and HEC digital library/online sources; (vii) There is shortage of well-planned experimental farm and green house.

AIC Recommendations: (i) Appointment of senior and experienced faculty members is immediately needed; (ii) To enhance education standard, the intake in BS degree program should be increased and uniform distribution of students on merit in major subjects is strongly recommended; (iii) The budget needs to be enhanced to meet basic requirement of the staff and the students for research, study tours, excursions etc.; (iv) New models of basic and advanced laboratory equipment should be provided for practical and research activities; (v) Lecture rooms having multimedia and new furniture and fixture should be provided; (vi) Experimental farm, greenhouse and glasshouse facilities should be provided.

F. The Islamia University of Bahawalpur

1. Summary of AIC Visit

Discipline	Forestry, Range and Wildlife Management	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program	Prof. Dr. Rasheed Ahmad	Prof. Dr. Muhammad Zubair
Evaluators	Dr. Muhammad Zubair	Prof. Dr. D.M. Zahid
Date of Visit	March 13, 2014	December 18, 2019
Rating	X ₃ with (66%)	X ₁ with 760 score (76%)
Remarks	Rating improved	

Strengths: (i) Well qualified and trained faculty members including five regular and 12 visiting; (ii) The department has the facility of spacious and equipped classrooms, research laboratories, research farm, nursery, computer laboratories and faculty offices; (iii) The labs are fully operational with student research and preparation of herbal products.

Weaknesses: (i) The department is lacking operational and lab and library funds; (ii) Lack of adequate practical exposure of students to various forest types and other field project sites, which is needed for proper learning of the subjects related to natural resources management. The current touring exercises are not sufficient to meet the degree requirement; (iii) The text and reference books need to be updated with latest editions and topics on new trends in forestry like biodiversity and climate change, etc. be added in the current scheme of studies; (iv) There is no departmental library; (v) Course files are not properly maintained.

AIC Recommendations: (i) Addition of new and latest edition of recommended textbooks in departmental as well as main library; (ii) Revision of some course contents by including latest issues and trends in the field of climate change issues like carbon stock estimation and REDD and REDD+; (iii) Field visits be arranged regularly for the students for

practical demonstration of latest and innovative nursery and field plantation techniques being employed by the research and extension institutions; (iv) To improve the quality of education, faculty should be provided ample opportunities for short and long term training in developed countries; (v) The Faculty should develop proper course files as per HEC format; (vi) Outgoing student data base should be established for functional alumni activities; (vii) MoU should be signed with coordinating departments to make it more meaningful; (ix) The faculty should be encouraged to get competitive research grants in order to inculcate research culture in their academic career as well as concentrating on producing impact factor publications.

2. Summary of AIC Visit

Discipline	Soil Science	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Safdar Ali Prof. Dr. Muhammad Abid	Prof. Dr. Muhammad Abid Dr. Niaz Ahmed
Date of Visit	January 5-6, 2012	December 18, 2019
Rating	X ₃ with (67%)	X ₂ with 723 score (72.3%)
Remarks	Rating improved	

Strengths: (i) Well-equipped laboratory with basic and necessary equipment available for carrying out soil, plant and water research; (ii) Adequate land for research and practical demonstration at the university research farm; (iii) The faculty is reasonably well qualified and cooperative with a mixture of young and seniors.

Weaknesses: (i) There is a lack of enough technical laboratory staff; (ii) There is no equipment repair and maintenance engineer; (iii) Insufficient classrooms; (iv) Limited faculty members for soil classification and soil physics; (v) Lack of international professional teachers training programs.

AIC Recommendations: (i) Appointing faculty specializing in the fields of soil physics and soil classification; (ii) Independent recurring budget must be allocated to make the department functional; (iii) Appointment of qualified laboratory staff i.e. lab superintendent, lab technician, and lab assistant; (iv) Provision of more classrooms; (v) Allocation of more funds for the purchase of chemicals, glassware and books.



G. Bahauddin Zakariya University, Multan

1. Summary of AIC Visit

Discipline	Entomology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Dr. Ghulam Jilani Prof. Dr. Muhammad Naeem	Prof. Dr. Muhammad Afzal
Date of Visit	February 15-16, 2012	December 26-27, 2019
Rating	X ₂ with (70%)	X ₁ with 769 score (76.9%)
Remarks	Rating improved	

Strengths: (i) The faculty is highly qualified and experienced to convey quality education; (ii) The department has seven functional research laboratories, experimental farm, glasshouse; (iii) The faculty has been very active to win research grants and has published 732 research articles in journals of national and international repute.

Weaknesses: (i) Numbers of classrooms are insufficient and less spacious; (ii) Research laboratories are not actually the laboratories but these are made by making partitions in rooms and are also deficient in safety arrangement; (iii) Limited grant or extremely insufficient financial resources for operational expenses and research; (iv) Insufficient seminars, conferences and symposia etc. arranged by the department; (v) Community services related to solutions of the entomological problems are insufficient; (vi) Participation of faculty in seminars, conferences and symposia etc. is also less.

AIC Recommendations: (i) Department needs spacious classrooms; (ii) The young faculty members of the department are needed to be trained or refresher course may be arranged; (iii) Laboratory staff should be replaced with adequate and trained supporting staff. The capacity of existing supporting staff could be improved through short-term trainings. The promotion should be on regular basis for creating efficient working atmosphere; (iv) Financial assistance should be allocated to the department for conducting postgraduate research, although the university allocates this, but it is insufficient; (v) Sufficient budget should be provided to the department for day to day expenses; (vi) Participation of faculty members in symposiums, conferences, seminars and workshops need to be further enhanced so that the younger faculty may improve and interact with internationally recognized scientists to broaden their concepts of research; (vii) There is dire need to develop collaborations with national organizations; (viii) The equipment like HPLC, -80°C freezer, rotary evaporator, GC-MS, LC-MS are required for contemporary research.

2. Summary of AIC Visit

Discipline	Food Science and Technology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Saghir Ahmed Sheikh Dr. Muhammad Umar Farooq	Prof. Dr. Masood Sadiq Butt
Date of Visit	February 25-26, 2013	December 26-27, 2019
Rating	X ₃ with (65-69%)	X ₁ with 790 score (79%)
Remarks	Rating improved	

Strengths: (i) Management is enthusiastic to develop and maintain favorable intellectual environment; (ii) Most of the permanent faculty members are PhD and have expertise in respective domain, thus keep students well aware about the latest developments.

Weaknesses: (i) QEC needs to be effectual for proper feedback from students; (ii) Some of the laboratories are lacking state of the art equipment; (iii) Board of Studies/Faculty Board need to be more functional; (iv) A furnished common room for female students, students counselling office and healthy eatery are the dire needs.

AIC Recommendations: (i) Permanent faculty specially one or two Professors are needed to maintain the structural hierarchy and proper students-teachers ratio; (ii) There is dire need to maintain an effective Quality Enhancement Cell (QEC) to improve the quality of teaching and research activities; (iii) Board of Studies (BOS)/Faculty Board should be strengthened and meetings be scheduled periodically; (iv) Academic-industries linkages should be encouraged. Accordingly, students will be able to get more opportunities for industrial visits and internships to strengthen their practical approach; (v) The Institute should establish a common room for female students and student counselling office; (vi) Current laboratory facilities should be upgraded with sophisticated instruments. Students ought to be encouraged to perform practical. Likewise, processing hall needs to be furnished properly for practical orientation; (vii) There is need to ensure access of the students to HEC digital library.



H. Govt. College University, Faisalabad

1. Summary of AIC Visit

Discipline	Food Science and Technology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Faqir Muhammad Anjum Dr. Muhammad Umar Farooq	Prof. Dr. Masood Sadiq Butt
Date of Visit	October 30-31, 2013	February 25, 2020
Rating	X ₂ with 721 score (72.1%)	X ₁ with 760 score (76%)
Remarks	Rating improved	

Strengths: (i) Most of the faculty members are PhD and have expertise in respective domain, thus keeping the students well aware about product development and applied research; (ii) Management is eager to develop conducive intellectual environment and research culture; (iii) Career oriented seminars, demand driven workshops/ conferences are well organized.

Weaknesses: (i) Capacious dedicated classrooms should be developed considering the future demand/student enrollment; (ii) Some of the laboratories are lacking in advanced and sophisticated equipment. Alongside, sensory laboratory is also missing; (iii) Board of Studies and Faculty Board need to be more functional in terms of meetings and statutory discussions; (iv) Proper students affairs/counselling office, financial aid office and common room for girls are indispensable at the new campus.

AIC Recommendations: (i) Current classrooms facilities should be upgraded with sophisticated teaching aids. Students should be encouraged to perform practicals. Besides, improvement in the existing labs. infrastructure, a food sensory lab must be established; (ii) Internship program must be strengthened through strong academia-industry linkages to enhance the practical skills of the students; (iii) Permanent faculty including one or two Professors must be hired to balance the student-teacher ratio; (iv) Board of Studies/Faculty Board should be



strengthened and meetings must be scheduled periodically; (v) Director, Quality Enhancement Cell (QEC) must be dedicated because an effective QEC improves the quality of education and pedagogic norms; (vi) Financial aid office should be established at new campus and scholarships be offered on need and merit base; (vii) Students affairs/counselling office, well-furnished video conference room, common room for female students and a day care center must be established at new campus; (viii) Departmental and digital library's performance should be improved for the students.

I. University of the Punjab, Lahore (Virtual)

1. Summary of AIC Visit

Discipline	Food Science and Technology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Dr. Saeed Akhtar	Prof. Dr. Masood Sadiq Butt Prof. Dr. Tahir Zahoor
Date of Visit	May 4, 2016	April 22, 2020
Rating	X ₃ with 650 score (65%)	X ₃ with 670 score (67%)
Remarks	No improvement	

Strengths: (i) IAGS is situated in Lahore that is capital of Punjab, hence connects not only with food industry but also other public sector organizations i.e. Punjab Food Authority, PCSIR etc. for joint ventures; (ii) Management is enthusiastic to develop and maintain favorable intellectual environment; (iii) Food science major has four dedicated labs and have flexibility for further up gradation.

Weaknesses: (i) Permanent faculty members are not hired frequently that seriously affect student-teacher ratio. Exclusive offices are essential for food science faculty; (ii) Dedicated Director, QEC alongside online QEC evaluation mechanism is vital instead of manual system; (iii) Statutory bodies like Board of Studies/Departmental Doctoral Program Committee (DDPC) etc. need to be more functional; (iv) Some of the laboratories are lacking in state of the art equipment. Lack of sensory laboratory hinders product development.

AIC Recommendations: (i) There is a need for dedicated classrooms coupled with sophisticated teaching aids. Besides, further improvements are required in the existing labs infrastructure by the addition of new sophisticated equipment; (ii) Permanent faculty especially one or two Professors, Associate and Assistant Professors must be inducted to maintain the structural hierarchy; (iii) An effective QEC with dedicated Director is urgently required to improve the teaching standards; (iv) BOS/DDPC should be further strengthened and meetings be scheduled periodically; (v) Independent sensory evaluation lab, independent faculty offices, video-conference room and furnished common rooms for students must be established; (vi) Construction of food processing hall equipped with pilot-scale units is a prerequisite to improve the practical skills of students and promote the concept of entrepreneurship. More emphasis should be paid on students internship programs and industrial trainings/outreach through academia-industry linkages; (vii) Student's counseling office should be established at the Institute level. Likewise, the tutorial system should be implemented in true spirit for capacity building and to uplift the leadership skills of students.

2. Summary of AIC Visit

Discipline	Horticulture	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Muhammad Akbar Anjum Dr. Sudheer Tariq	Prof. Dr. Aman Ullah Malik Dr. Basharat Ali Saleem
Date of Visit	March 3-4, 2014	April 22, 2020
Rating	X ₂ with 739 score (73.9%)	X ₂ with 740 score (74%)
Remarks	No improvement	

Strengths: (i) The Horticulture faculty at IAGS is a good mix of qualified and experienced researchers along with young academics, with good vision, to impart quality education; (ii) The institute has good academic and research infrastructure including classrooms, seminar rooms, research labs, experimental farm, glasshouse facility and main library with good learning and research resources; (iii) The research areas being focused are very relevant and need based, to train students and resolve industry issues; (iv) Apart from academics, the faculty has actively engaged students in extracurricular activities, to realize their leadership qualities.

Weaknesses: (i) Despite having eight years of launching Horticulture discipline, the institute does not meet some of the HEC criteria regarding faculty composition. i.e. one Professor: one Associate Professors: two Assistant Professors: two Lecturers. Institute needs to address this issue to strengthen its program. Also, younger faculty needs to be encouraged to complete their PhD; (ii) Lack of operational funds for labs /field research and student support; (iii) Lack of externally funded research projects. Unfortunately, the profile of the institute/horticultural faculty regarding externally funded projects is very weak; (iv) SAR shows a list of areas of research /activity focus, however the existing strength, documented progress, available funding with faculty does not support this claim; (v) Institute has limitation in terms of farm-based demonstration and research infrastructure at campus. Also, there is limitation for cutting edge research, which needs support from university, and collaboration with departments, to ensure success and justify large grants; (vi) There seems some deficiencies in mechanism document for document quality control; (vii) Linkages with farms/industry seems a weak aspect and needs to be strengthened, especially in the neighboring districts.

AIC Recommendations: (i) Faculty strength should be maintained as per HEC criteria. Keeping in view the institute needs and large number of qualified (PhD) young professionals available, only PhD candidates should be recruited as faculty in future; (ii) The institute should prioritize few areas of research and outreach and must focus on those to have more visibility for its contribution and leadership. The suggested areas include urban and peri-urban farming, vegetable farming and floriculture nurseries; (iii) Keeping in view the weak profile of faculty regarding research projects/funded projects, the administration should review the situation critically, discuss with faculty and provide necessary technical or collaborative support to get good /larger externally funded research projects; (iv) Institute should collaborate with other relevant departments to enhance its capacity for research infrastructure and support for initiating diverse programs for its sustenance and expansion; (v) Currently allocated financial resources to the institute are meagre and that limits quality of education especially linked to practical/research/field trainings etc.

Appropriate plan, with rationalized budget and efforts (lobbying) should be made to get additional funds from university as well as external sources; (vi) Institute should strengthen its on-farm research and demonstration facilities. Various options including leasing off-campus farm, and MoU with farms and nurseries to meet the growing research and demonstration needs of its undergraduate program; (vii) Student support in terms of scholarships and financial assistance for internship programs should be increased. Also, the postgraduate students should be given incentive to participate in conferences other than their institution for exposure and broadening vision; (viii) Farm/industry linkages particularly focusing vegetable research and outreach in the neighboring districts should be developed.

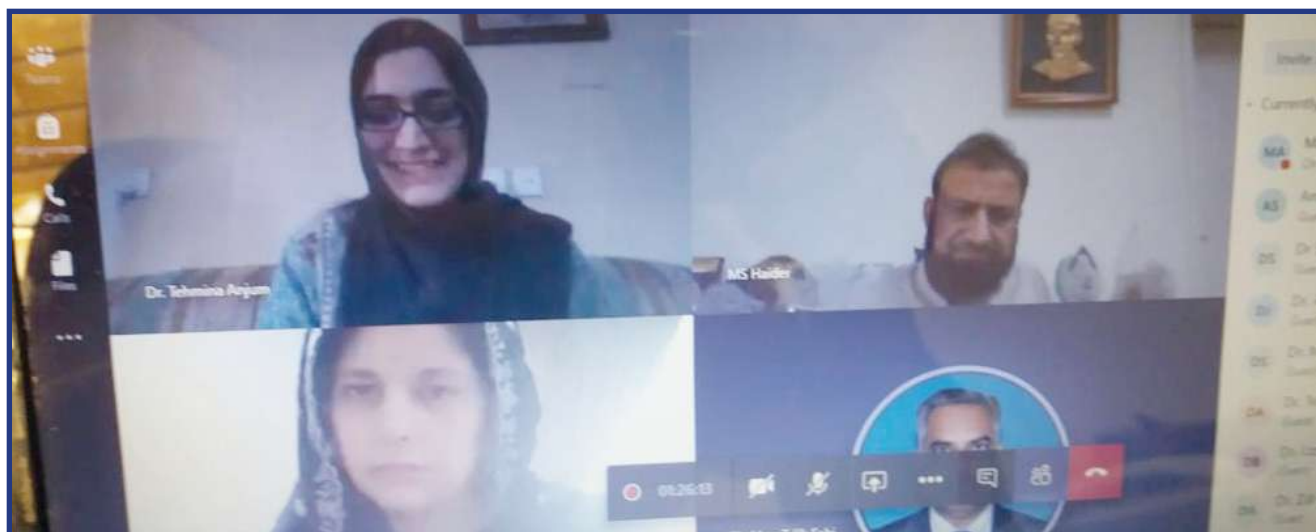
3. Summary of AIC Visit

Discipline	Plant Pathology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Follow-up Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Muhammad Arif Dr. Muhammad Bashir	Prof. Dr. Shahbaz Talib Sahi Prof. Dr. Nazir Javed
Date of Visit	2011-12	April 22, 2020
Rating	X ₃ with 666 score (66.6%)	X ₂ with 713 score (71.3%)
Remarks	Rating improved	

Strengths: (i) Highly qualified and experienced faculty; (ii) Excellent strategic position of Institute being in the provincial headquarter; (iii) Unique first fungal culture bank of Pakistan; (iv) Versatile and diverse collaborations with other R&D organizations and HEIs; (v) Due to existence of all the core disciplines under one roof, there are fairly good prospects of multidisciplinary research; (vi) Handsome numbers of research publication and grants.

Weaknesses: (i) Shortage of sophisticated and advanced lab equipment for advanced research in certain areas especially molecular studies; (ii) The experimental field is not compatible for research purposes; (iii) Lack of funds for chemicals and glassware. At present the budget allocated for chemicals & glassware is Rs.1.0 million, for field visits Rs.0.1 million and for library Rs.0.1 million per annum, which is totally insufficient to meet the requirements for quality education; (iv) More funds are required for recently established “agribusiness centre” and “climate change and agriculture centre”; (v) Shortage of laboratory staff with relevant qualification and experience; (vi) Acute shortage of residential facilities for faculty at campus due to which working efficiency is suffering; (vii) Lack of budget for postgraduate research.

AIC Recommendations: (i) There is urgent need to recruit faculty with specialization in plant bacteriology and nematology; (ii) There should a comprehensive program for training of newly inducted faculty; (iii) The curriculum at undergraduate and postgraduate levels need to be revised as soon as possible; (iv) Laboratory staff with relevant qualification should be recruited and capacity building of the existing staff should be arranged; (v) Financial support to the students needs to be strengthened; (vi) Tutorial system should be introduced in the institute to promote interaction among the students from different disciplines and propagate a healthy environment for extracurricular activities.



J. University of Sargodha (Virtual)

1. Summary of AIC Visit

Discipline	Agricultural Extension	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Sher Muhammad Prof. Dr. Fazal Karim	Prof. (Retd) Dr. Sher Muhammad
Date of Visit	May 29-30, 2013	June 30, 2020
Rating	X ₃ with (65-69%)	X ₃ with 667 score (66.7%)
Remarks	No improvement	

Strengths: (i) Young and energetic faculty members are available in the department. Faculty is willing to receive and implement constructive suggestions in order to improve its performance and the overall academic standards; (ii) Demand driven and need based educational programs are being offered.

Weaknesses: (i) Acute shortage of HEC recommended books and reference material. Out of 22 books available in the college library, only one book and one reference manual as recommended by the HEC; (ii) Shortage of faculty especially at senior positions like Professor; (iii) Low students intake; (iv) Less focus on faculty research projects; (v) No separate/sufficient operational budget allocated for the department.

AIC Recommendations: (i) College/departmental library is highly deficient of HEC recommended books. Therefore, it needs to be upgraded and sufficient HEC recommended books and reference material be made available for the students. It may be treated as the most urgent; (ii) Induction of more faculty especially senior positions like Professor and Associate Professor; (iii) The faculty showed a great concern about non recognition of agri. extension as a specialization for extension jobs. This is probably one of the main reasons for low students intake. At present, for extension jobs, candidates with specialization other than agri. extension are also eligible, which is quite illogical. So,

there is a dire need to review this policy; (iv) The faculty needs to be motivated to prepare research proposals for attracting research grants from various donor agencies in the country and abroad. The research topics may be identified carefully, for which experienced persons could be involved; (v) Scheme of studies of all degree programs needs to be reviewed and revised by involving all stockholders to update the existing curricula at HEC level; (vi) More attention needs to be given to practical classes to give hands on training to the students to improve their practical and communication skills; (vii) Field exposure may be given to the students through arranging frequent field trips and study tours to various model farms especially in private sector; (viii) Separate operational budget of the department should be allocated to a reasonable extent, keeping in view the actual demands.

2. Summary of AIC Visit

Discipline	Entomology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Dr. Ghulam Jilani Prof. Dr. Muhammad Naeem	Dr. Muhammad Razaq
Date of Visit	May 7-8, 2012	June 30, 2020
Rating	X ₃ with 693 score (69.3%)	X ₁ with 756 score (75.6%)
Remarks	Rating improved	

Strengths: (i) Well-qualified and skilled faculty from major fields of pure and applied entomology; (ii) Department is innovative in research developments and their adoption from the globe; (iii) Publications by the faculty are good in terms of numbers and quality and majority of the faculty has won the competitive grants; (vi) Good collaboration with international research institutes.

Weaknesses: (i) Lack of availability of recent text books in the library; (ii) No separate budget for the department; (iii) Department lacks basic and modern research equipment; (iv) Lack of availability of residences for the faculty.

AIC Recommendations: (i) Promotion of faculty by arranging meeting of selection board and syndicate; (ii) Appointment of new faculty and support staff; (iii) Establishment of insect museum for current and future research; (iv) Strengthening of departmental labs and library; (v) Enhancement of capacity building of young faculty members by short term and long term trainings; (vi) Post-graduate research should be expanded to molecular and biotechnological level; (vii) Provision of funds to faculty members for participation in conferences, seminar and workshops at national and international level; (viii) Arrangement of workshops seminars at the department by inviting national experts.

3. Summary of AIC Visit

Discipline	Food Science and Technology	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Faqir Muhammad Anjum Dr. Saeed Akhtar	Dr. Muhammad Umair Arshad
Date of Visit	May 29-30, 2013	June 30, 2020
Rating	X ₃ with 666 score (66.6%)	X ₁ with 720 score (72%)
Remarks	Rating improved	

Strengths: (i) Highly qualified senior faculty with hand on training from national and international organizations; (ii) Institute has a state of the art infrastructure carrying building, which is equipped with sufficient laboratory and classroom facilities; (iii) The commitment of high ups to invest in the institute is also applauding. The Vice Chancellor and the respective Dean have shown extraordinary will to invest in this professional discipline, especially from academia industry linkage standpoint; (iv) Institute is provided with a state of the art food processing hall facility for hands on training of both students as well industry workers.

Weaknesses: (i) The institute is lacking junior faculty members including Lecturers and Assistant Professors, which are one of the strong pillars of any institute. It is unfortunate that institute couldn't attract the lower tier and mid-career faculty during the past 10 years, which is direly needed at this time; (ii) Faculty is struggling in getting successful research grants from public or private sector organizations. Currently there are only three research projects running with total funding worth of Rs.2.5 million; (iii) Weak collaboration with local and national private sector organizations, in particular the food processing industry; (iv) Lack of indigenous library faculty; (v) Low number of supporting staff for the smooth functioning of laboratories; (vi) Lack of sufficient budget for consumables to execute the routine research and practical expenses for both undergraduate and post graduate students.

AIC Recommendations: (i) It was recommended in the previous AIC visit to acquire more senior faculty positions this was fulfilled through promotion of existing junior faculty member, which created a gap on the lower level positions. Therefore, there is a dire need of Lecturer and Assistant Professor level inductions at this stage to save the quality of education and research; (ii) The faculty needs to get engaged with local food industry processing partners to uplift the quality of practical education of students as well as the implant their vision for the uplift of the region through consultancy services to the society as well as industry; (iii) Faculty needs to grab more research funding through external sources including both private and public sector organizations. It is highly recommended to get engaged with donor organizations working for agriculture uplift in the area, and add the value in food processing side of their projects; (iv) Although the food processing facility is provided by the university administration, however there is a need to run this semi-commercial facility on priority basis. This facility would generate the income for institute as well as university in addition to hands on training for students and local industry workers; (v) University administration is suggested to recruit more supporting staff for the sufficient number of research laboratories; (vi) The annual budget for consumables needs to be enhanced for the better facilities to the practical work of undergraduate and postgraduate students; (vii) More faculty is required in nutrition field to run the existing program as well as proposed human nutrition and dietetics program in future.

4. Summary of AIC Visit

Discipline	Soil Science	
Degree Program	B.Sc. (Hons)	
Nature of Visit	Formal Accreditation Visit	2 nd Round Visit
Program Evaluators	Prof. Dr. Safdar Ali Mr. Tahir Saleem	Prof. Dr. Moazzam Jamil
Date of Visit	May 7-8, 2012	June 30, 2020
Rating	X ₂ with 719 score (71.9%)	X ₃ with 673 score (67.3%)
Remarks	Rating declined	

Strengths: (i) Highly qualified, hardworking, devoted and motivated full-time faculty members. All are PhDs with professional vision and capacity to impart quality education; (ii) Number of research projects are in hands from various donor agencies. The work is being published in highly reputed journals and as book chapters; (iii) Being the constituent part of a good ranked public sector university, the stakeholders of the college are being benefitted with quality civic facilities available.

Weaknesses: (i) The revised curriculum-2014 of HEC had not been adopted by the department for B.Sc. (Hons.) and M.Sc. (Hons.) degree programs; (ii) Very poor faculty pyramid as only one Professor and three Assistant Professors are presently serving in the department; (iii) Continuous drain of faculty from the department to other institutions; (iv) No faculty with specialization in Soil Chemistry, Soil Genesis and Soil Taxonomy; (v) Poor interest of the students to choose Soil Science as a major subject; (vi) Acute shortage of trained laboratory staff for different laboratories of the department; (vii) Acute shortage of ministerial staff in the department; (viii) The laboratories are deficient in safety arrangement and security system; (ix) Extremely insufficient financial resources/recurring budget for operational expenses; (x) Grants for the improvement of efficiency of the faculty and supporting staff were also lacking.

AIC Recommendations: (i) The department needs to adopt HEC revised curriculum 2014 immediately for undergrad and post-graduate degree programs; (ii) A significant increment of recurring budget in the departmental heads for smooth academics; (iii) Effective infrastructure should be developed at departmental level; (iv) Recruitment of new faculty to fill the gap in faculty pyramid; (v) Recruitment of faculty with specialization in Soil Chemistry, Soil Genesis and Soil Taxonomy; (vi) Recruitment of laboratory and ministerial staff on urgent basis; (vii) Capacity building of faculty and technical staff through effective training courses; (viii) Availability of periodicals and journals in the departmental library for faculty and students; (ix) Safety arrangements and security plans in the laboratories and class-rooms should be made on urgent basis and emergency exits may be developed at specific sites; (x) Participation of faculty members in conferences, seminars and workshops need to be facilitated to improve exposure and interaction with peer groups worldwide; (xi) Development of common room in the department for male and female students, with internet facility for free hours and for prayers.

II. Pre-Accreditation/Zero Visits

Pre-accreditation/ zero visit is basically conducted like pilot testing to check the level of planning of an institution during launching a full degree program. Pre-accreditation/zero visit does not qualify the institution for any interim or conditional accreditation to that specific degree program; it is only an assessment made well before formally assessing/accrediting the full degree program.

During FY 2019-20, NAEAC performed eight pre-accreditation/zero visits in eight HEI's of Punjab, Sindh and Gilgit Baltistan. A summary of external assessments and recommendations is given below:

1. Karakoram International University, Gilgit

1. Summary of AIC Visit

Discipline	Forestry
Degree Program	BS
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Sarwat N. Mirza
Date of Visit	August 19-20, 2019

AIC Assessment: (i) The department of Forestry, Karakoram International University Gilgit has three full time faculty members consisting of one Professor and two Lecturers. There are two visiting Lecturers and one Assistant Professor on shared basis from department of environmental sciences. The overall faculty student ratio is 1:19. Out of six faculty members, two have Ph.D. and the other four possess M.Sc. (Hons)/M.Phil. degrees in relevant subjects. There are three supporting staff, one administrative officer with bachelors degree, one LDC having intermediate level education and one office attendant; (ii) The department has two laboratories, one is designated as GIS/Remote Sensing lab. which is planned to be established in near future with donor funding and the other one is designated as forest instrumentation and computer lab. having modest equipment at present. The department has two large class rooms each having capacity of 80 students and two faculty office rooms. The whole campus is declared as HEC smart campus with internet connectivity; (iii) The current student enrollment stands at 76 (63 males and 13 female) as the first admissions took place during fall semester 2018; (iv) The department of forestry has a reasonable number of forestry related books in its departmental library but no international research journal subscribed so far in the library. The students have access to HEC digital library through internet resource center of the university. The department is following revised curriculum of the subject of forestry & allied disciplines approved by NCRC of HEC in 2014; (v) The department has sufficient linkages with GB forest department for student learning opportunities including working plan exercise, forest survey camps and internship, etc. The department has its major strength because of its academic activities linked with outcome based learning , biodiversity of forest, wildlife and allied natural resources and the fact that BS Forestry degree is not being offered in any other university of GB.



AIC Recommendations: (i) Strengthening of faculty especially hiring of at least one more faculty position preferably Assistant Professor in the department; (ii) Establishment of two fully equipped laboratories along with forest nursery and allied research/practical field; (iii) The department should make efforts for strengthening of existing library with provision of HEC recommended textbooks and journals. The forestry textbooks available at Pakistan Forest Institute, Peshawar may be purchased for the departmental library. If original textbooks of local authors are not available, hard bound photocopy of those textbooks may be arranged; (iv) Department of forestry is currently managing some of the major criteria for offering BS degree program in terms of infrastructure and faculty resources, the department head and the faculty was clearly briefed about HEC criteria for granting full accreditation to the existing BS degree program and was asked to prepare a self-assessment report.

2. UAF Sub-Campus Depalpur, Okara

1. Summary of AIC Visit

Discipline	Agronomy
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Nazim Hussain
Date of Visit	October 14, 2019

AIC Assessment: (i) Insufficient, young and less trained faculty members; (ii) Less number of classrooms and offices for faculty; (iii) No faculty development program is available; (iv) The library facility within the department is lacking. Number of books and latest editions of text books and journals are insufficient in library; (v) Non availability of internet facilities and access to HEC digital library to meet the need of the students and the faculty; (vi) Insufficient labs facilities and trained man power; (vii) Equipment are uninstalled and laboratories are being run by unskilled supporting staff; (viii) Insufficient operational budget for research activities; (ix) Experimental farm is not developed properly and very little experimental land and farm machinery is available; (x) Lack of coordination with growers and allied industries.

AIC Recommendations: (i) Recruitment of sufficient, (Professor and Associate Professor) and PhD holding faculty members on regular and TTS basis as per criteria of HEC; (ii) Faculty development training program for new faculty members to be initiated; (iii) Principal of the college should be given substantial financial and administrative powers to run the day to day matters more efficiently and effectively; (iv) Construction of new academic blocks as per future requirement for healthy teaching activities; (v) State of the art laboratories equipped with latest and functional equipment; (vi) Establishment of departmental library and allocation of sufficient funds for purchase of reference, text books and research journals every year; (vii) Provision of internet facilities for digital library with online linkages make available at the departmental level for easy access to online journals, books and research papers etc.; (viii) Sufficient and qualified lab staff is direly needed; (ix) Farmer field and government farm visits should be made part of practical as university does not have properly developed research farm; (x) Development of well managed agricultural farm for valuable research; (xi) Provision of glass house and lath house facilities.



2. Summary of AIC Visit

Discipline	Plant Breeding and Genetics
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Abdul Qayyum
Date of Visit	October 14, 2019

AIC Assessment: (i) Insufficient, junior and not well trained faculty members; (ii) Lack of classrooms and offices for faculty; (iii) Experimental farm is not properly developed and very little experimental land and farm machinery is available; (iv) The library facility within the department is lacking. Number of books and latest editions of text books are insufficient in central library too; (v) Non availability of internet facilities and access to HEC digital library to meet the need of the students and the faculty; (vi) No faculty development program; (vii) Insufficient labs facilities needed for well-trained man power; (viii) Equipment are uninstalled and Laboratories are being run by unskilled supporting staff; (ix) There is no any operational budget for conducting research.

AIC Recommendations: (i) Recruitment of sufficient, senior (Professor and Associate Professor) and Ph.D. holding faculty members on regular and TTS basis; (ii) Construction of new academic blocks for peaceful teaching activities; (iii) Provision of glasshouse facility; (iv) State of the art laboratories equipped with latest and functional equipment; (v) Establishment of departmental library and allocation of sufficient funds for purchase of reference and text books; (vi) Provision of facilities in digital library with online linkages make available at the departmental level for easy access to online journals, books and research papers etc.; (vii) Faculty development training program for new faculty members to be initiated; (viii) Sufficient and qualified lab staff (electronic technician) is direly needed; (ix) Field visits of classes should be made part of practical as university does not have properly developed research farm; (x) Principal of the college should be given substantial financial and administrative powers to run the day to day matters more efficiently and effectively; (xi) Development of well managed agricultural farm for valuable research.



3. Summary of AIC Visit

Discipline	Plant Pathology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Rashida Atiq
Date of Visit	October 14, 2019

AIC Assessment: (i) Shortage of faculty members as there is no hierarchy existed i.e. no Professor, Associate Professor and Lecturers; (ii) The budget allocation for conference/ seminar/workshop should be in place; (iii) Faculty needs in-service training regarding innovations and new disciplines emerging out in Plant Pathology; (iv) The department has no library while main library has 34 books, but it needs more newly published books and regular subscription of International and National Research Journals; (v) Lack of students access to internet and HEC digital library/online sources; (vi) Limited intake of students is also a main sustainability issue in Plant Pathology major; (vii) Shortage of advanced well equipped laboratory for only Plant Pathology students research work; (viii) Construction of net/glasshouse is needed; (ix) Research laboratory should have safety equipment and first aid box.

AIC Recommendations: (i) There is shortage of Professors, Associate Professors, Assistant Professors (TTS) and lectures in the department. Therefore, qualified faculty members should be appointed to strengthen degree program; (ii) Faculty may be encouraged to hunt for grants from HEC and other national and international donor agencies; (iii) Department need support from university in term of capacity building, R&D infrastructure improvement, along with student financial and logistic support etc. to make it more attractive program. Department needs to enhance its engagement with the community/local industry; (iv) Department should strengthen its linkages with relevant International Institutions and donor agencies; (v) Post-graduate degree program should be get started in near future; (vi) The internet issue certainly needs to be resolved and followed up rigorously to explore how quickly to enhance students access to internet/online resources; (vii) Enhancing IT facilities, access to internet, HEC digital library, adding of new books, subscription of new journals and other reference material for the department and main library; (viii) QEC report should be made available to respective senior most teachers (through Principal) for appreciation as well as necessary counseling of the concerned staff; (ix) Appointment and training of lab support staff, increased budget for lab work/maintenance; (x) More resources for practical oriented training of students (field visits, field experiments, field surveys); (xi) Development/improvement of recreational as well as indoor/outdoor sports facilities for students/faculty; (xii) Students facilitation/services like increasing financial assistance to needy students on priority basis; (xiii) Department should develop Alumni's association in future.

4. Summary of AIC Visit

Discipline	Soil Science
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Muhammad Abid
Date of Visit	October 14, 2019

AIC Assessment: (i) Insufficient, young and less trained faculty members; (ii) Less number of class rooms and offices for faculty; (iii) The library facility within the department is lacking. Number of books and latest editions of text books and journals are insufficient in library; (iv) Non availability of internet facilities and access to HEC digital library to meet the need of the students and the faculty; (v) Insufficient trained man power; (vi) There is no any operational budget for research activities; (vii) Experimental farm is not developed properly and very little experimental land and farm machinery is available.

AIC Recommendations: (i) Recruitment of sufficient faculty, (Professor and Associate Professor) and Ph.D. holding faculty members on regular and TTS basis as per criteria of HEC; (ii) Principal of the college should be given substantial financial and administrative powers to run the day to day matters more efficiently and effectively; (iii) Construction of new academic blocks as per future requirement for healthy teaching activities; (iv) Establishment of departmental library and allocation of sufficient funds for purchase of reference, text books and research journals every year; (v) Provision of internet facilities for digital library with online linkages make available at the departmental level for easy access to online journals, books and research papers etc.; (vi) Sufficient and qualified lab staff is direly needed; (vii) Development of well managed agricultural farm for valuable research; (viii) Provision of glasshouse and lath house facilities.



3. MNS-University of Agriculture, Multan

1. Summary of AIC Visit

Discipline	Agribusiness
Degree Program	BBA
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Khalid Mushtaq
Date of Visit	October 16, 2019

AIC Assessment: (i) Quality and strength of existing faculty is adequate for BBA-Agribusiness degree program; (ii) Curriculum is well-defined and relevant, however, course files can be improved further; (iii) The existing infrastructure and learning resources are adequate, however, classrooms lack multimedia; (iv) Limited access to printed journals recognized by HEC; (v) Student support facilities are adequate, however, medical facility for staff and students is not available at the campus; (vi) Research and Consultancy Services are reasonable; (vii) Governance and leadership role is well placed.

AIC Recommendations: (i) There is need to recruit some female faculty in the department as well; (ii) Course file maintenance need to be improved further; (iii) Class rooms need to be equipped with multimedia facility; (iv) Access to HEC digital library (printed journals recognized by HEC); (v) Adequate medical facilities need to be made available at the campus.

2. Summary of AIC Visit

Discipline	Agri. Economics
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Sofia Anwar
Date of Visit	October 16, 2019

AIC Assessment: (i) The available infrastructure is sufficient to run the department but not adequate; (ii) The faculty is available according to the current needs but, as the department is running BBA Agribusiness programme and M.Sc. (Hons.) Agricultural and Resource Economics, the dearth of PhD faculty is there; (iii) Faculty has not sufficient office space and related equipment; (iv) Classrooms are as per traditional structure without audio visual aids; (v) Computers are available but independent workstations are not available; (vi) Departmental library having access of latest books, journals not available.

AIC Recommendations: (i) Hiring of new faculty and provision of training to existing and newly hired faculty; (ii) The university is in initial phases so can establish state of the art infrastructure to maintain the quality standards prevalent at global level; (iii) Classrooms should be well equipped with latest learning tools; (iv) Faculty may be provided with independent offices, equipped with IT facilities (laptop, printer, internet etc.) along with uninterrupted power supply; (v) Keeping in view the temperature and environment of Multan, sufficient facilities are required for students and staff both throughout the year; (vi) Access to digital library and establishment of departmental library with provision of relevant books and research material is highly recommended.



3. Summary of AIC Visit

Discipline	Biotechnology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Muhammad Baber
Date of Visit	October 16, 2019

AIC Assessment: (i) Space in the central library is limited and less number of available text books especially HEC recommended books. However, a new central library is under construction and new books are added in the collection every year; (ii) National and international journals are not subscribed by the central library; (iii) No library facility exists in the institute; (iv) Trained staff (Lab Attendants, Lab Technicians etc.) for laboratories is not available; (v) Indoor sports facility is not available for the students.

AIC Recommendations: (i) Hiring of more faculty especially against the positions of Associate Professor; (ii) Encouraging the faculty to contribute more publications in the form of research articles, manuals, books/book chapters; (iii) Library to be strengthened with provision of HEC recommended books; (iv) Research journals of good repute may be subscribed; (v) A library may be established at the institution level; (vi) Trained laboratory staff may be hired to assist the researchers and students; (vii) Provision of indoor sports facility for students; (viii) Provision of on-campus medical facilities for the students.

4. Summary of AIC Visit

Discipline	Plant Pathology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Nazir Javed
Date of Visit	October 16, 2019

AIC Assessment: (i) The existing infrastructure and learning resources are ample for initiating B.Sc. (Hons) Agri. degree program; (ii) The faculty is highly qualified and sufficient for degree program courses; (iii) Facility of HEC digital library is accessible; IT facilities are available and satisfactory; (iv) Vast field experimental area is available for hands on training of students; (v) Discipline, cleanliness and biosafety measures are well maintained in the labs; (vi) No news bulletin or letter published from department but the same time monthly news bulletin is being issued by the university.

AIC Recommendations: (i) The department of Plant Pathology is well prepared to launch B.Sc. (Hons) Agri. degree program; (ii) Promote usage of digital library and strengthen existing library with provision of HEC recommended textbooks; (iii) A course on “Plant Health Management” should also be introduced in near future; (iv) Encourage faculty members for Post Doctorate; (v) Need to promote research on product formulation; (vi) Need to publish news bulletin or letter from department also; (vii) Induction of technical supporting staff or farmers, field and labs; (viii) Establishment of at least one specific green house for specific research purpose and to avoid environmental effects.

4. BZU Sub – Campus Bahadur, Layyah

1. Summary of AIC Visit

Discipline	Plant Breeding and Genetics
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Zulfiqar Ali
Date of Visit	October 21, 2019

AIC Assessment: (i) The two permanent Assistant Professors on TTS and three visiting faculty members are available in the department to run B.Sc. (Hons) Agriculture major PBG program. The faculty members are also teaching introductory courses in first four semesters such as Forestry, Food Technology, Agri. Economics and Agri. Extension & Education. There is lack of the HEC recommended 1:1:2:2 faculty ratio. University advertised only one seat for Assistant Professor; (ii) There is no Board of Studies at the sub-campus rather only one co-opted member of PBG Layyah campus included in the BOS of PBG, Multan Campus; (iii) HEC recommended scheme of studies 2010 is being followed; (iv) The existing infrastructure includes two class rooms having multimedia facilities and one modestly equipped lab; (v) A pretty good number of PBG related books are present but less number of HEC recommended books and journals are available; (vi) At the moment, there is no access to HEC digital library, while IT facilities are available; (vii) Faculty members have good number of impact factor publications and book chapters; (viii) Faculty and students organize and actively participate in international and national conferences and seminars;

(ix) There is sufficient office space and relevant facilities for the faculty members; (x) Only one supporting staff member for the lab is available; (xi) Sufficient number of scholarships, hostels (two), sports and medical facilities are provided to students; (xii) Only one bus is available for the transport; (xiii) There is no HOD/Incharge of PBG department. Also lack of departmental administrative and financial autonomy, there is centralized budget for the College of Agriculture; (xiv) Field experimental area is available for hands on training of students both at city campus and Hafizabad campus. However, not properly managed due to lack of sufficient resources to properly manage field experiments.

AIC Recommendations: (i) The university administration should advertise senior and junior level posts to recruit regular faculty to meet HEC minimum 1:1:2:2 ratio to run the program; (ii) HEC recommended scheme of studies 2014 should be followed and at least 2 faculty members of PBG Layyah Campus should be the part of Board of Studies of PBG, Multan Campus; (iii) The existing infrastructure is sufficient for PBG however, there is ample infrastructure at Hafizabad Campus and thus the whole College of Agriculture should be moved to that new building for future progress; (iv) Glasshouse, greenhouse, growth chamber etc. should be established for proper experimentation; (v) More HEC recommended books and journals should be purchased; (vi) Access to HEC digital library should be provided; (vii) Teaching, lab and field para-staff be recruited; (viii) More transport say at least one more bus be provided to the College; (ix) The senior most teacher be appointed as Incharge of PBG department and give administrative and financial autonomy to properly conduct lab and field practical, faculty research and departmental affairs; (x) The university should provide sufficient funds to farm administration for proper land leveling, enhancing and maintaining soil health and properly managing field experiments.



2. Summary of AIC Visit

Discipline	Plant Pathology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Muhammad Ashfaq
Date of Visit	October 21, 2019

AIC Assessment: (i) The existing infrastructure and learning resources are insufficient to initiate B.Sc. (Hons) in Plant Pathology; (ii) The faculty is scanty for Plant Pathology (B.Sc.) degree program courses; (iii) Of four faculty members, only one is regular and rest three are on visiting/interim with insufficient experience except one; (iv) No access to HEC digital library, IT facilities are limited and unsatisfactory; (v) Shared office for the faculty, conducive class room environment and only one teaching/research lab; (vi) One lab Assistant is available but not well trained regarding lab and field work; (vii) Field experimental area is available for hands on training of students; (viii) Discipline, cleanliness and biosafety measures are well maintained in the lab; (ix) No assisting staff in lab for farmers.

AIC Recommendations: (i) The department of Plant Pathology is the dire need on urgent basis to fulfill the basic requirements of faculty to launch B.Sc. (Hons) Agriculture in Plant Pathology program; (ii) Up-gradation of the existing lab and establishment of another well-equipped and fully functional lab for Plant Pathology is urgently required; (iii) Promote usage of digital library and strengthen existing library with provision of HEC recommended textbooks; (iv) Need to adopt the latest HEC approved scheme of studies (2014); (v) Need to promote research on product formulation; (vi) Need to enhance the collaboration with farming community, government and public agriculture sectors as well as industry; (vii) There is need to immediately shift to new buildings to cope with space problems regarding offices, classrooms, teaching/research labs and field oriented practical/ experiments; (viii) Induction of technical supporting staff for farmers, field and labs; (ix) Establishment of at least one specific greenhouse for specific research purpose and to avoid environmental effects.



5. UAF Sub – Campus Burewala, Vehari

1. Summary of AIC Visit

Discipline	Entomology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. (Retd) Dr. Muhammad Aslam
Date of Visit	October 22, 2019

AIC Assessment: (i) Faculty comprise of one Assistant Professor and three Lecturers, as per self-assessment report, including one visiting Lecturer; (ii) The department shares the classrooms with other discipline, such as Agribusiness. No separate classrooms are available exclusively for Entomology students; (iii) Laboratory space is available but labs, especially teaching labs are not fully equipped; (iv) No research budget is available for the department; (v) Access to HEC digital library is available and IT facilities are sufficient to which students have free access; (vi) Office space is enough to meet the requirement of the existing faculty; (vii) Field experimental area is available for hands on training of students; (viii) Lack of biosafety measures in the laboratories was noted.

AIC Recommendations: (i) The department needs to recruit senior faculty members; (ii) Concerns of the faculty (payment of remuneration to visiting faculty and timely payment of salary) should be addressed on priority basis; (iii) Independent classrooms equipped with all teaching aids should be ensured for the department; (iv) Laboratories should be upgraded by adding sufficient equipment to meet the needs and standards of teaching and research; (v) Research budget should be allocated for the department; (vi) The department should have at least one greenhouse to perform practical and do research under semi natural environment; (vii) More text and reference books should be purchased to meet the growing needs of the students; (viii) Chairman, Entomology department should be coopted in the meetings of the Board of Studies, provided that there are agenda items about the department at Burewla-Vehari campus.

2. Summary of AIC Visit

Discipline	Food Science and Technology
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Dr. Saeed Akhtar
Date of Visit	October 22, 2019

AIC Assessment: (i) The infrastructure was inadequate; (ii) The program lacked senior faculty; (iii) Library facilities were not reasonably good; (iv) No exclusive budget was allocated for the department; (v) No concerted plan for industry and institutional visits was in place.

AIC Recommendations: (i) Strengthening of the labs with high tech equipment and the equipment's needed for the conduct of experiments as course requirements; (ii) Exclusive allocation of the sufficient funds for the department; (iii) Immediate appointment of senior faculty i.e. at least one Professor and one Associate Professor are needed for effective running of the program; (iv) Faculty development through sending the existing faculty for Post Doc and

other training programs; (v) The department must organize seminar/conferences at national and international level to remain a part of the mainstream and to create new opportunities for the aspiring students. The faculty should be encouraged to improve their skills.

3. Summary of AIC Visit

Discipline	Plant Breeding and Genetics
Degree Program	B.Sc. (Hons)
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Abdul Qayyum
Date of Visit	October 22, 2019

AIC Assessment: (i) Insufficient, junior and under qualified faculty members; (ii) Field experimental area is poorly developed due to less availability of farm machinery; (iii) The library facilities within the department are missing. Number of books and latest editions of text books are insufficient in central library too; (iv) Computers are available, limited internet facility and no access to HEC digital library to meet the need of the students and the faculty; (v) No faculty development program; (vi) Limited laboratory, classroom and office facilities; (vii) Laboratories are being run by unskilled supporting staff; (viii) There is no any operational budget for conducting research; (ix) Weak internship program and scarcity of interaction of faculty and students with farmers, industry and other stakeholders.

AIC Recommendations: (i) Recruitment of sufficient, senior (Professor and Associate Professor) and PhD holding faculty members on regular and TTS basis; (ii) State of the art laboratories equipped with latest and functional equipment; (iii) Establishment of departmental library and allocation of sufficient funds for purchase of reference and text books; (iv) More facilities in digital library with online linkages may be provided at the departmental level for easy approaching to online journals, books and research papers etc.; (v) Initiation of soil reclamation and



mechanization of farm; (vi) Faculty development training program for new faculty members to be initiated; (vii) Sufficient and qualified lab staff (electronic technician) is direly needed; (viii) Field visits of classes should be made part of practical as College does not have properly developed research farm; (ix) Head of the department may be given substantial financial and administrative powers to run the day to day matters more efficiently and effectively.

6. Dadabhoy Institute of Higher Education, Karachi

1. Summary of AIC Visit

Discipline	Food Science and Technology
Degree Program	BS
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Saghir Ahmed Sheikh
Date of Visit	November 13, 2019

AIC Assessment: (i) Insufficient qualified and relatively inexperienced faculty. Nonexistence of senior faculty; (ii) Examination section and their performance is very poor which needs trainings and strengthening for its proper system; (iii) Admission section is also weak even it was observed that F.Sc. commerce have been admitted in B.S in Food Science and Technology degree program; (iv) Lab safety apparatus/ equipment (fire extinguishers) were found but first aid boxes were not available in any lab or building; (v) Digital library facilities lack at the departmental library but is available in main building of the institute; (vi) The department has a small library with limited number of books, but it needs more books and regular subscription of international research journals; (vii) One of the major weaknesses is the unavailability of departmental food processing units (pilot plant units) such as canning unit, beverage units for carbonated and non-carbonated beverages, sugar and oil extraction and refining; (viii) Lack of hi-tech equipment for research and students demonstration at graduate level.

AIC Recommendations: (i) The interim transcripts should be given to students timely before the start of new semester and must be updated with course code, GPA and grade reflecting the status of results of most recent courses; (ii) The aggregated transcripts must show the progression of courses, as some courses were missing; (iii) To hire one experienced Food Science expert as faculty member; (iv) Publications required with the affiliation of DIHE; (v) Appointment of HoD is important of task delegation; (vi) Faculty must be encouraged to develop projects and submit to the various funding agencies; (vii) To purchase kjeldhal apparatus (for protein analysis), grain analyzer, moisture meter, beverage pilot plant, colony counter and camera fitted microscope; (viii) Consumables to be present to run the experiments. Budgeting of experimentation to be done for effective facilitation; (ix) First aid box must be available in every laboratory; (x) Library to be strengthened with provision of HEC recommended books; (xi) Dr. J.A. Awan's books must be included as a part of the library as they are basic FST books; (xii) Admission section must be trained in order to carefully admit the students on the basis of eligibility; (xiii) For admission in B.S (FST) only F.Sc. with at least C grade should be considered; (xiv) HEC prescribed syllabus should be followed strictly; (xv) Linkages with industry should be established for students internship and jobs.

7. The University of Sindh, Jamshoro

1. Summary of AIC Visit

Discipline	Nutrition and Food Technology
Degree Program	BS
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Prof. Dr. Saghir Ahmed Sheikh
Date of Visit	November 14, 2019

AIC Assessment: (i) Although the Institute has enough faculty staff but all of them are biochemists rather than nutritionist/food technologists except one faculty member having doctorate in subject of nutrition & food technology; (ii) The syllabus offered for degree programs are not up to the standards of degree nomenclature, it immediate needs redesigning as per HEC criteria/standards; (iii) Lack of lab safety apparatus/ equipment (fire extinguishers) and first aid boxes in any lab or building; (iv) Lack of digital library facilities at the institute library; (v) The department has a very good library with limited books with huge space, but it needs more books of nutrition and food technology discipline and also regular subscription of international research journals; (vi) One of the major weaknesses is the unavailability of food processing units (pilot plant units) such as canning unit, beverage units for carbonated and non-carbonated beverages, sugar and oil extraction and refining; (vii) Lack of hi-tech equipment for research and students demonstration at institute level such as texture analyzer and GCMS etc.

AIC Recommendations: (i) Nomenclature of the degree program of Nutrition and Food Technology must be revised from the current session (new batch); (ii) The syllabus designed for the BS degree in Nutrition and Food Technology must be revised immediately from current year (new batch); (iii) At least 4-5 new faculty members be



appointed/hired having basic degree in Nutrition and/or Food Technology; (iv) Open access to HEC digital library and IT facilities must be provided to students; (v) Classrooms must have AVA/multimedia facilities; (vi) HEC recommended books relevant to Nutrition and/or Food Technology be purchased for the institute as well as central library; (vii) Pilot plants for beverages, canning, texture analyzer, pycnometer, lacto-analyzer, gerber machine, grain

analyzer, milling machine, moisture meter, baking oven, dough mixture, etc. and hi-tech equipment such as GCMS, kjeldahl unit (digestion and distillation) etc. must be purchased/ provided; (viii) Fire extinguishers in main building and in each lab. and first aid boxes should also be provided in each laboratory; (ix) Linkages with industries and hospitals must be established; (x) Faculty be motivated to develop research as well as development projects and submit them in various national and international funding agencies.

8. KFUEIT, Rahim Yar Khan

1. Summary of AIC Visit

Discipline	Food Science and Technology
Degree Program	BS
Nature of Visit	Pre-Accreditation/Zero Visit
Program Evaluator	Dr. Saeed Akhtar
Date of Visit	December 13, 2019

AIC Assessment: (i) The programs require an improved infrastructure which is dampened at this time; (ii) The program badly lacked senior faculty in the department; (iii) Library facilities does not separately cover Food Science and Nutrition; (iv) For Nutrition programs there is a need for strong linkages with local medical colleges and hospitals for the training of the graduating students which currently is inadequate; (v) No exclusive budget was allocated for the department; (vi) No concerted plan for industry and institutional visits was in place.

AIC Recommendations: (i) Strengthening of the labs with hi-tech equipment and the equipment needed for the conduct of experiments as course requirements; (ii) Exclusive allocation of the sufficient funds for the department; (iii) Immediate appointment of senior faculty i.e. at least one Professor and one Associate Professor are needed for effective running of the program; (iv) Faculty development through sending the existing faculty for Post Doc and other training programs; (v) The department must organize seminar/conferences at national and international level to remain a part of the mainstream and to create new opportunities for the aspiring students. The faculty should be encouraged to improve their skills.

III. Review Meetings with Institutions

The Council has initiated review meetings with host institutions since 2014-15. So far, 14 review meetings have been convened at major agriculture institutions. The main objectives of these meetings are:

- (i) Review the current status of implementation of AIC recommendations.
- (ii) Assessment of constraints and opportunities for quality improvement.

During FY 2019-20, two review meetings were held at the following two HEI's:

1. MNS-University of Agriculture, Multan

Summary of Review Meeting

Discipline	Agronomy, Entomology, PBG, Soil Science
Degree Programs	B.Sc. (Hons)
Nature of Visit	Review Meeting
Program Evaluators	Dr. Nadia Tahir Prof. Dr. Ishtiaq A. Rajwana
Date of Visit	October 22, 2019

External evaluation and accreditation of agriculture degree programs of four disciplines of the Muhammad Nawaz Shareef University of Agriculture, Multan was undertaken. In order to assess the implementation status of the AIC recommendations, a review meeting was held in the Committee Room, MNSUA, Multan on October 15, 2019. Vice-Chancellor and Director QEC welcomed the team and appreciated HEC and NAEAC for their efforts for improving the quality of education in Pakistan. All the Deans of faculties, Director QEC, Registrar, and HODs were present. After introductory remarks Vice Chancellor presented the overall progress and development of the university and informed the house about their future plans.

A summary of major recommendations emerged out of the deliberations are as follows:

- University is closely working with various government departments and business. It has a location advantage. In this context, the university needs to prepare its strategic plan, set financial and operational targets.
- On the frontiers of curriculum, it needs to emphasize on research component and include relevant research activities at the undergraduate level. This needs a paradigm shift in terms of outcomes and quality.
- Industry-academia linkage is another area which needs improvement. University can use the latest technology and modern knowledge to resolve the local issues. Again, it can be achieved by the inclusion of the latest teaching pedagogies in the curriculum.
- Usage of the library and books also needs improvement by inculcating book reading culture in the university.
- There are some islands of research excellence in the faculty who is publishing research in high impact factor journals but this research excellence needs to be translated in the local context and across all the faculty members.
- Financial viability and sustainability of the departments is also a neglected area. University is offering programs horizontally and these are competing with each other. Although students enrollment has increased enormously

there are certain programs where without a critical mass of the class size programs have been started.

- Devolving power is also an area which needs improvement, academic staff and high-quality research personnels are performing nonacademic functions e.g. a Professor and a Dean is also a Director external linkages or ORIC etc. This is in violation of HEC guidelines and a compromise over the academic quality.



2. Ghazi University, D. G. Khan

Summary of Review Meeting

Discipline	Agronomy, Entomology, Horticulture, PBG and Soil Science
Degree Programs	B.Sc. (Hons)
Nature of Visit	Review Meeting
Program Evaluators	Prof. Dr. Muhammad Akbar Anjum Prof. Dr. Ishtiaq A. Rajwana
Date of Visit	December 23, 2019

External evaluation and accreditation of agriculture degree programs of five disciplines of the Ghazi University, D. G. Khan was undertaken during review meeting. During the meeting, the HoDs of the above mentioned five discipline briefed the committee about the action taken on the recommendations made by respective AICs in their previous visits. The committee also visited faculty offices, lecture rooms, laboratories, library and other facilities, and necessary documents to verify the improvements/progress made in light of actionable recommendations given by the respective AICs.

A summary of major compliance/progress status are as follows:

- Faculty of Agriculture was established at the Airport Campus of the Ghazi University. As the campus did not have any boundary wall, therefore due to security concerns, it was shifted to the city campus. However, at the time of AICs previous visits during June 2016, it was temporarily shifted to the airport campus for accreditation purpose only. After the AICs visits, it was shifted back to the city campus. At airport campus, the buildings (admin block and academic block hosting faculty offices classrooms, labs.), lab equipment and some other facilities were better than the existing ones at the city campus. As the AICs visited the airport campus and the review

committee visited and made a review at city campus, the comparison became difficult. However, no significant improvement towards development of infrastructure, teaching and research facilities, and recruitment of faculty was witnessed.

- The review committee visited different departments at the city campus presently hosting the Faculty of Agriculture. The committee visited the lecture rooms, laboratories, library, faculty offices and students research trials. Some of the class rooms were lecture room cum laboratory due to shortage of space. There was no multimedia or any audio video facility in the classrooms. The laboratories, where existed, were short of necessary equipment, instruments and chemicals. The Entomology discipline (Department of Plant Protection) was in a very old and deteriorated building, though some of the repair work was under progress. However, the building was not suitable for the department/discipline. One hall was divided into faculty offices and classroom cum labs. The library was in a very miserable condition, short of space and without computerized record of books and periodicals. No journal was subscribed in the library for research students. This problem of space will not be solved until the Faculty of Agriculture is shifted to its own building at the airport campus and at least one more academic block is constructed/ added to the existing facility. Further, Agri. Farm at the Airport campus needs to be extended by adding more area under cultivation and purchasing necessary machinery. A vegetable farm and orchards of major tropical fruits should be established. The committee was also informed that a tube-well has been installed at the Agri. Farm for continuous supply of irrigation water and boundary wall of the airport campus was under construction and expected to be completed till June 2020.
- The teachers were not satisfied as no new induction/selection or promotion was made by the university authorities during the last several years. There was no Professor or Associate Professor in the Faculty of Agriculture or even whole the university, which is being run by Assistant Professors and Lecturers. The Assistant Professors working on TTS are waiting for the review and elevation/promotion to the higher rank i.e. Associate Professor. They were also worried about their future as the university lacks necessary research facilities and funding which is necessary for them to conduct research and publish their findings in well reputed local or international journals. This could be a reason that most of the faculty members have less number of publications as compared with other universities. The faculty members were also not satisfied by the funding available for attending national or international conferences, seminars, symposia, workshops and trainings etc.
- During the visit, the classes were being held regularly. The students were satisfied from theory classes but not with the conduct of practical work as the city campus lacks agricultural farm or field to conduct practical work. The classes were seldom taken to the agriculture farm at the airport campus or farmers field for practical work, usually not more than once a week for practical work of all the subjects offered during the semester. There was no greenhouse, glasshouse or lath house of any department at the city campus. The students were not satisfied by the hostel, transport and sports facilities, co-curricular activities, scholarships and their counselling and career development.



IV. Quality Assurance and Accreditation Awareness Seminars

Quality assurance and accreditation awareness seminars is a routine activity for initiation of accreditation process for any Agriculture Education Institution. The main objective of these seminars is to stimulate and sensitize the stakeholders about the significance of accreditation process, its benefits and program evaluation criteria and standards used for the accreditation process. Awareness seminars are normally chaired either by the Vice Chancellor or any other senior officer of the institution and attended by majority of the faculty members and students.

The Council has conducted 53 quality assurance and accreditation awareness seminars so far including five seminars during 2019-20 at various Agriculture Education Institutions in Pakistan. A summary of these seminars is given below:

1. University of Central Punjab, Lahore

Department	Food Science and Technology
Date of Seminar	September 5, 2019
Venue	Conference Room
Number of Audience	90

2. University of Engineering and Technology, Lahore

Department	Food Science and Technology
Date of Seminar	September 6, 2019
Venue	Conference Room
Number of Audience	150

3. Hamdard University, Karachi

Department	Food Science and Technology
Date of Seminar	November 12, 2019
Venue	Committee Room
Number of Audience	70

4. SAU Sub – Campus Umerkot

Departments	Agronomy, Plant Protection, Soil Science
Date of Seminar	November 15, 2019
Venue	Seminar Room
Number of Audience	80

5. University of the Punjab, Lahore

Department	Agronomy
Date of Seminar	February 7, 2020
Venue	Conference Room
Number of Audience	70



Quality Assurance & Accreditation Awareness Seminar at UET, Lahore



Quality Assurance & Accreditation Awareness Seminar at Hamdard University, Karachi



Quality Assurance & Accreditation Awareness Seminar at SAU Sub-Campus Umerkot



Quality Assurance & Accreditation Awareness Seminar at University of the Punjab, Lahore

V. Training Workshop for Departmental Focal Persons

With the objective of capacity building of departmental focal persons of agricultural institutions, five training workshops (one day each) were planned in FY 2019-20 but due to covid-19 pandemic situation only one training workshop was organized on February 10, 2020 at Learning Innovation Hall, HEC, Islamabad. The Resource Persons were Prof. Dr. Muhammad Arif, the University of Agriculture, Peshawar and Prof. Dr. Ishtiaq A. Rajwan, Chairperson NAEAC & Pro-VC, MNSUA, Multan. The main objective of the workshop was to improve the SARs writing skills of focal persons in undertaking external evaluation and accreditation process of degree programs; to understand evaluation manual (toolkit) for agriculture degree programs for external evaluation and accreditation process and key features of external assessment and accreditation of degree programs.

A total of 34 participants from six agriculture institutes from Khyber Pakhtunkhwa attended the training workshop. Chairperson NAEAC Prof. Dr. Ishtiaq A. Rajwana welcomed the participants in his inaugural speech and also enunciated the importance and objectives of the workshop. Dr. Nadia Tahir Managing Director appreciated the initiative of NAEAC for training workshop of the focal persons from various institutes. Prof. Dr. Arif Chohan elaborated the process of accreditation.

Executive Director HEC Dr. Fateh Muhammad Murree was the chief guest of the closing ceremony. Speaking on the occasion, he admired the novel idea of standardizing the accreditation process by training the departmental focal persons.





VI. Budget Utilization for FY 2019-20 and Proposed Budget Allocation for FY 2020-21

Code	Object	Budget Utilization 2019-2020	Proposed Budget Allocation 2020-2021
71-1	Establishment Costs	2,947,406	4,200,850
71-20	a. Honorarium for Program Evaluators	588,000	800,000
	b. Other Benefits	82,000	500,000
72-10	TA/ DA (Accreditation visits; Council Meeting)	1,505,630	2,400,000
72-14	Transportation	107,080	200,000
72-15	Vehicle Expenses	6,830	25,000
72-2	Communication	31,155	60,000
72-31	Stationery & other supplies	58,400	80,000
72-32	Printing and Publications	126,815	300,000
72-37	Other Misc. Expenses (OE & RM)	45,639	200,000
72-43	Computer & Office equipment	117,700	200,000
72-44	Furniture & Fixture	19,220	50,000
72-50	Audit Expenses	36,250	50,000
72-60	Publicity & Advertisement	97,309	300,000
72-63	Meetings/Seminars	198,666	500,000
Total		5,968,100 5.968 million	9,865,850 9.865 million

Budgetary Receipts for FY 2020-21

i. Opening balance as of July 1, 2020	Rs. 4.789 million
ii. Expected HEC Grant for FY 2020-21	Rs. 4.000 million
iii. Accreditation Fee (Estimate)	Rs. 6.800 million
Total	Rs. 15.598 million

VII. Proposed Work Plan for FY 2020-21

S. No	Institution	Discipline	Activity	Proposed Visit Schedule
1	Minhaj University, Lahore	Food Science and Technology	Follow-up visit	Sep 2020
2	University of Central Punjab, Lahore	FST	Zero visit	Sep 2020
3	UMT, Lahore	Food Technology	2nd round	Sep 2020
4	2nd Training Workshop for Departmental Focal Persons	At LI Hall, HEC, Islamabad	-----	Sep 2020
5	University of Agriculture, Faisalabad	Agribusiness	2nd round	Oct 2020
		Seed Science and Technology	2nd round	
6	University of Agriculture, Faisalabad	Poultry Science	Awareness seminar	Oct 2020
7	University of the Punjab, Lahore	Agronomy	Zero visit	Oct 2020
8	UAF Sub – Campus Depalpur, Okara	Agronomy	Formal visit	Oct 2020
		Soil Science	Formal visit	
		PBG	Formal visit	
		Plant Pathology	Formal visit	
9	GCUF – Sahiwal Campus	Food Science	Follow-up visit	Oct 2020
10	3rd Training Workshop for Departmental Focal Persons	At University of Agriculture, Faisalabad	-----	Oct 2020
11	Pakistan Forest Institute, Peshawar	Forestry	2nd round	Nov 2020
12	The University of Agriculture Peshawar	Agri. Extension	2nd round	Nov 2020
		Food Science	Follow-up visit	
		Plant Protection	Follow-up visit	
13	KFUEIT, Rahim Yar Khan	Agriculture	Awareness seminar	Nov 2020
14	Bacha Khan University, Charsadda	Agronomy	Follow-up visit	Nov 2020
		Entomology	Follow-up visit	
		Plant Breeding and Genetics	Follow-up visit	

15	PMAS AAU, Rawalpindi	Wildlife Management	2nd round	Dec 2020
		Forestry & Range Management	2nd round	
		Food Technology	2nd round	
16	PMAS AAU, Rawalpindi	Animal Breeding & Genetics	Awareness seminar	Dec 2020
17	University of Swabi	Plant Breeding and Genetics	2nd round	Dec 2020
		Food Science and Technology	Follow-up visit	
		Agronomy	Follow-up visit	
		Horticulture	Follow-up visit	
		Entomology	Follow-up visit	
18	University of Swabi	Climate Change	Awareness seminar	Dec 2020
		Plant Pathology		
		Soil Science		
19	University of Haripur	Soil Science	2nd round	Dec 2020
20	UAF Sub-Campus Toba Tek Singh	Poultry Science	Awareness seminar	Dec 2020
21	University of Karachi	Food Science and Technology	2nd round	Jan 2021
22	Hamdard University, Karachi	FST	Zero visit	Jan 2021
23	The University of Sindh, Jamshoro	Nutrition & Food Technology	Formal visit	Jan 2021
24	SAUT Sub – Campus, Umerkot	Agronomy	Zero visit	Jan 2021
		Plant Protection		
		Soil Science		
25	Shaheed Z.A. Bhutto Agriculture College, Dokri	Agronomy	Review meeting	Jan 2021
		Horticulture		
		PBG		
		Soil Science		
		Entomology		
		Plant Pathology		
		Plant Protection		
26	4th Training Workshop for Departmental Focal Persons	At SAU, Tandojam	-----	Jan 2021

27	MNS-University of Agriculture, Multan	Agri. Economics	Formal visit	Feb 2021
		Agribusiness	Formal visit	
		Biotechnology	Formal visit	
		Plant Pathology	Formal visit	
28	The Islamia University of Bahawalpur	Agronomy	Follow-up visit	Feb 2021
		Entomology	Follow-up visit	
		Plant Breeding and Genetics	2nd round	
		Food Science	Follow-up visit	
29	BZU Sub-Campus Bahadur, Layyah	Agronomy	2nd round	Feb 2021
		Entomology	Follow-up visit	
		Horticulture	2nd round	
30	5th Training Workshop for Departmental Focal Persons	At MNSUA, Multan	-----	Feb 2021
31	The University of Agriculture, Peshawar	Fisheries	Awareness seminar	Mar 2021
32	The University of Agriculture Peshawar	Weed Science	2nd round	Mar 2021
		Livestock Management	2nd round	
		Agri. Economics	2nd round	
33	Lasbela University of Agriculture, Water and Marine Sciences, Uthal	Plant Breeding and Genetics	Review meeting	Mar 2021
		Horticulture		
		Agronomy		
		Entomology		
		Soil Science		
		Plant Pathology		
34	Balochistan Agriculture College, Quetta	Plant Breeding and Genetics	Follow-up visit	Mar 2021
		Agronomy	Follow-up visit	
		Soil Science	Follow-up visit	
		Plant Pathology	Follow-up visit	
		Entomology	Follow-up visit	
		Horticulture	Follow-up visit	
35	Abdul Wali Khan University, Mardan	Agronomy	Review meeting	Mar 2021
		Horticulture		
		Food Science and Technology		
		Entomology		

36	The University of Poonch, Rawalakot	Entomology	2nd round	May 2021
		Food Science	2nd round	
37	University of Sargodha	Agricultural Economics	Follow-up visit	May 2021
		Food Science	Follow-up visit	
38	Ghazi University, D.G. Khan	Plant Breeding and Genetics	Follow-up visit	May 2021
		Soil Science	Follow-up visit	
		Entomology	Follow-up visit	
		Agronomy	Follow-up visit	
		Horticulture	Follow-up visit	
39	Hazara University, Mansehra	PBG	Follow-up visit	Jun 2021
40	Hazara University, Mansehra	Agronomy	Awareness seminar	Jun 2021
		Horticulture		
41	University of Swat	Forestry	Formal visit	Jun 2021
42	SBB University Sheringal, Dir	Food Science and Technology	Zero visit	Jun 2021
43	KIU, Gilgit	Horticulture	Follow-up visit	Jun 2021
		Forestry	Formal visit	

Annexure-I

NAEAC Members

1-Prof. Dr. Ishtiaq Ahmad Rajwana Chairperson, NAEAC and Pro – Vice Chancellor MNS-University of Agriculture, Multan	2-Prof. Dr. Nadeem Akhtar Abbasi Vice Chairperson, NAEAC and Pro – Vice Chancellor PMAS Arid Agriculture University, Rawalpindi
3-Dr. Nadia Tahir Managing Director, QAA Higher Education Commission, Islamabad	4-Prof. Dr. Muhammad Aslam Khan Dean, Faculty of Agriculture University of Agriculture, Faisalabad
5-Prof. Dr. Qamaruddin Chachar Dean, Faculty of Crop Production Sindh Agriculture University, Tandojam	6-Prof. Dr. Ghulam Jilani Pro – Vice Chancellor University of Agriculture, Water and Marine Science, Lasbela
7-Prof. Dr. Ahmad-Ur-Rahman Saljoqi Dean, Faculty of Crop Protection Sciences The University of Agriculture, Peshawar	8-Prof. Dr. Fayyaz ul Hassan Sahi Dean, Faculty of Crop and Food Science PMAS Arid Agriculture University, Rawalpindi
9-Prof. Dr. Shafqat Saeed Dean, Faculty of Agriculture & Environmental Sciences MNS-University of Agriculture, Multan	10-Dr. Abid Mahmood Director General (Research) Ayub Agriculture Research Institute, Faisalabad
11-Dr. Muhammad Javed Tareen Director General (Research) Agriculture Research Institute, Quetta	12-Dr. Naveed Akhtar Director General (Research) Agriculture Research Khyber Pakhtunkhwa
13-Mr. Noor Muhammad Baloch Director General (Research) Agriculture Research Sindh, Tandojam	14-Prof. Muhammad Aslam Niazi Principal, Balochistan Agriculture College, Quetta
15-Dr. Qazi Fayaz ud Din Director, Model Farms Agriculture, Livestock, Fisheries & Cooperative Department, Govt. of Khyber Pakhtunkhwa	16-Mr. Abid Hussain Qureshi Director, Agri. Extension and Farms Shahbaz Building, Hyderabad
17-Mr. Asif Majeed President Evyol Group of Companies, Faisalabad	18-Ms. Nighat Jawwad C.E.O Food Tech Solutions YUMZ (PK), Lahore
19-Mr. Faisal Shahid Managing Director Faisal Group of Industries, Multan	20-Mr. Khawaja M. Mohsin Masood Director Mahmood Group of Industries, Kabirwala

Minutes of 15th Meeting of NAEAC

15th meeting of National Agriculture Education Accreditation Council was held virtually on 14th of July, 2020 via ZOOM at 11:30 a.m. chaired by Prof. Dr. Ishtiaq A. Rajwana, Chairperson National Agriculture Education Accreditation Council (NAEAC).

The meeting commenced with the recitation from the Holy Quran. The Chair in his opening remarks welcomed all the participants and brief introduction of members.

The Chair warmly welcomed senior and new council members and complimented them for their support and commitment to participate in an urgent meeting on short notice to discuss serious challenges arose due to COVID-19 pandemic. Chair also appreciated and acknowledged Prof. Dr. Nadeem Akhtar Abbasi, PVC, PMAS AAUR and Ex-Vice Chairman, NAEAC (2016-2020) for his meritorious services, hard work and dedication to advance council whereby it is recognized and valued in whole Pakistan.

Chairperson highlighted the operational activities and achievements of council during 2019-20 including twenty three accreditation and evaluation visits, in which 64 degree programs in eight HEI's across country were evaluated, eight zero visits of 22 degree programs, two review meetings with the Heads of Agriculture Education Institutions, five quality assurance & accreditation awareness seminars and one training workshop for departmental focal persons of HEI's from KP were conducted. The Chair informed honorable house that, due to COVID-19 pandemic the regular accreditation visits couldn't be carried from March 2020 onwards so, council in consultation with relevant HEI's created a history by conducting two virtual accreditations in Institute of Agricultural Sciences, University of the Punjab, Lahore and Faculty of Agriculture, University of Sargodha. The house appreciated the efforts made by council secretariat and ensured their sustained support to carry new initiatives under challenging environments.

After the introductory remarks by the Chair; item-wise agenda of the meeting was presented before council members for consideration and approval. A summary of decisions taken in the meeting is given below:

Agenda Item#1: Confirmation of the Minutes of 14th Council Meeting of NAEAC

Minutes of the 14th Meeting of the council were presented for confirmation before the council members. In the absence of any comments and objections, the minutes of the 14th Meeting of the council were approved as presented. It was agreed that, the points raised by Prof. Dr. Fayyaz Ul Hassan Sahi and Prof. Dr. Qamar Uddin Chachar will be placed in the next council meeting as separate agenda item for discussion.

Agenda Item # 2: NAEAC Policy Guidelines for Online Teaching

Chairperson briefed the honorable members for the imminent need for drafting Policy Guidelines for Online Teaching (PGOT) due to COVID-19 pandemic which has forced almost all HEI's to go for online teaching. He further added that this draft was prepared after two consultative virtual webinars conducted on 08.07.2020 and 09.07.2020 with the administration and faculty of forty seven HEI's across Pakistan. After presenting PGOT chairperson requested the honorable members for their valuable suggestions in order to improve the drafted policy. After detailed discussion following policy guidelines for online teaching was approved by the council unanimously as given below:

NAEAC POLICY GUIDELINES FOR BLENDED EDUCATION

INTRODUCTION

Under Covid-19 outbreak National Security Committee closed all educational institutions across Pakistan from March 16, 2020 till further orders. In order to save precious time of students, Higher Education Commission permitted HEI's to commence online classes to cater the academic requirements of university students during unprecedented and challenging times of Covid-19 pandemic. Accordingly, spring semester 2020 witnessed the commencement of online classes in large numbers by educational institutes for the safety of students and faculty. Recently, Government of Pakistan has announced re-opening of HEI's but under strict SOP's to avoid second wave of Covid-19 in Pakistan. Worldwide different countries are tackling the issue in their own premise. Current situation has created the need for blended education which allows mix of face to face teaching with online learning. These policy guidelines will facilitate the blended/hybrid mode of teaching in agricultural institutes during the current outbreak as well as a general preparation for such challenges in future. Besides this policy NAEAC approves all the recommendations made by HEC under Covid-19 Policy Guidelines, Strategy for gradual opening of HEI's and creation of Online Academic Council (OAC) to approve blended education and resolve disputes or complaints if any. These policy guidelines for blended education have been developed after thorough consultation with the concerned institutions across Pakistan and council members for the betterment of quality education in agriculture.

NAEAC STANDARD OPERATING PROCEDURES FOR BLENDED EDUCATION

Accreditation of agricultural degree programs is a holistic process, implemented for the assurance of academic quality in HEI's. It necessitates agricultural institutes or programs to follow a specified criteria. Worldwide covid-19 pandemic has significantly contributed to the shifting of educational institutes to hybrid learning/blended methods of education. However, no compromise on standards of Teaching, Learning and Assessment (TLA) is acceptable during blended education. HEI's are advised to seek approval of Standard Operating Procedure (SOP) for the execution of TLA from OAC and other statutory bodies. Salient features of policy guidelines for blended education are given below:

Teaching

- Course teaching mode must be clearly defined (online or requiring physical presence/ blended). In agricultural education large number of courses require lab/field work, practical modules etc that should be organized in physical education preferably or developed by the relevant teacher recorded in the field or lab (Low Cost Academic Studios) and made available for necessary demonstration work and shared with the students through most convenient means (Online sharing, USB, CD's etc.). Efforts should be made by HEI's to create a parallel system of academic studios for the recording of lectures/practicals/field work by designated and trained staff having sufficient equipment so that the teachers should only focus on academics.
- In certain cases where applicable HEI's may facilitate the students to conduct field/practical work/projects in nearby agricultural research stations by devising a fool proof monitoring mechanism. Students should record all the activities they conduct as proof and should be submitted to the relevant faculty.
- It should be ensured to get all students on board and the quality of education must be maintained. All students should attend online lectures and those who could not access the lectures online, the institute shall devise mechanism of making course material available online or sending all recorded and reference materials on CDs/USBs to home address of the students at some periodic intervals in time. No student should be left out for any reasons to have access to the lectures.
- All HEI's should take special initiatives to strengthen quality of blended programs and should focus on capacity

building of faculty and relevant field and lab staff by devising appropriate mechanism and nominating departmental focal persons for online quality education. IT committees should be formed to coordinate with all departments/ campuses/colleges to provide training (Microsoft Teams, Zoom, Moodle, Skype for business, Google classroom and other software) as well as data for mapping gaps and need assessment for continuous improvement. All such records must be kept saved for NAEAC Accreditation Inspection Committee (AIC) as and when required in future.

- In certain cases where applicable HEI's may opt to conduct practicals/lab and field work in small batches by allowing limited number of students to join campus under strict compliance to SOP's due to any operational difficulties in providing online/offline video/audio recordings.
- Despite all the efforts for successful and productive online teaching if a student wants to withdraw based on inaccessibility or any other issue, he/she may be allowed to do so, without having any adverse impact on his enrollment, provided a minimum CGPA is maintained as per semester rules. In such a case, the course(s) will be treated as "freeze" and no fee shall be charged for re-enrolment at a later stage for the students who are interrupted in an ongoing semester.
- In all such specialized teaching conditions, HEI's must follow the HEC uniform semester rules in true letter and spirit to avoid any spiteful situations in future. Other rules and regulations of accreditation process as approved in NAEAC bye-laws will remain same.
- Beyond doubt blended/mix teaching (face to face/online/offline) takes lot of toil, effort and energy of faculty member. It is therefore suggested that teaching load should be reduced and limited to maximum of 3 courses/9 credit hours/teacher during a semester to ensure quality.
- In order to be prepared for such situation in future online classes should be a mandatory part of regular teaching. HEI's are encouraged to devise a sustainable mechanism across the board in all degree programs as deemed appropriate.

Learning

- OAC should certify that every course must have a set of learning outcomes. These learning outcomes should be achieved during the online/amalgamated educational approach in a progressive manner. Thought provoking assignments, conceptual quizzes and their evaluation by faculty must be executed on weekly basis. Results of assignments and quizzes must be shared with the students in the same week they are conducted for continuous improvement of the learning process.
- HEI's must have secured LMS, Bandwidth and IT support to enable sustained delivery of online classes maintaining all essential records (Timetable, class status, student's attendance, course material etc). Students should have easy access to all helping materials and other assignments as well quizzes through digital means.
- Efforts should be made to facilitate students to conduct final research project/internship in safe and healthy conditions by devising alternative mechanisms to traditional forms. However, the essence should remain the same to a greater extent.
- As this is relatively a new mode of learning for the students therefore teachers should design the course in such a way that it creates interest among the students, and they should be eager to be a part of this new mode of learning. In order to make the lectures effective the teachers should split the lectures into multiple segments of 10-15 min and after each segment the teacher may ask questions to retain student's attention.

Assessment

- Student's assessments are core to learning. Therefore, HEI's are guided to plan courses in such a way that it replaces face-to-face TLAs. Students should be assessed regularly during studies in a semester and should be marked in a single scheme of evaluation all through the departments. Assessment record should be managed preferably in a Learning Management System (LMS) for online evaluation. However, in case of some limitations

in LMS system, as observed during ongoing assessment, an alternate/ substitute online assessment system (e.g. google forms, whatsapp etc.) may be used with the approval of OAC. For more details on assessment tools HEC COVID-19 guidelines should also be consulted.

- Regular departmental meetings be conducted online to promote knowledge sharing and collaboration for healthy academic environment and dissemination of SOP's for health and safety of teachers/students/staff under COVID-19.
- Proper monitoring & feedback/evaluation mechanism be developed to record student's participation and time spent on course platforms. It includes off-line listening to recorded lectures and timely addressing the assignments, quizzes, projects etc.
- Assessments, number of quizzes and type of assignments should cover learning outcomes of the courses pertinently. Timely marking of assignments should be ensured by focal person online quality education and the assessments must be shared with students online.
- Assessment records for assignments, quizzes, projects, exams etc of all online courses should be kept for record. Evidence must be shared with NAEAC as and when required.
- In order to facilitate office of controller of exams in maintaining assessment records and notifying results, HEI's should devise uniform assessment (marking/weightage for midterm, practical, final, quizzes, assignments etc) models for all departments.

VIRTUAL ACCREDITATION

In order to save time and meet the ever increasing demands for accreditation by HEI's virtual accreditation has been initiated to be carried out in two phases:

Phase-I: NAEAC would virtually carryout all the components of the accreditation itinerary including opening session with the Vice Chancellor, Dean, Directors and Faculty Members, presentation by relevant HOD, meeting of AIC members with faculty members and interaction with students as well as virtual visit of infrastructure. Provisional AIC assessment report will also be provided to HEI's after completion of all formalities. HEI's opting for virtual accreditation must have the following:

- Approved SOPs for blended education by OAC under the guidelines provided by HEC.
- Effective and accessible online records (LMS/Google Forms) for the AIC.
- Online meeting with the Vice Chancellor, Dean, HOD and faculty. Interviews with faculty, students, staff, alumni etc.

Phase-II: Execution of normal accreditation in physical mode may also be carried out to validate the AIC provisional report after normalization of the situation.

ACKNOWLEDGEMENT

NAEAC secretariat acknowledge the services provided by Prof. Dr. Aman Ullah Malik, Prof. Dr. Nadeem Akhtar Abbasi, Dr. Nadia Tahir, Prof. Dr. Ghulam Jilani, Dr. Aisha Jilani and Mr. Muhammad Jawad Hussain for their critical review and input in preparation of this manuscript.

Appendix-1

ONLINE LEARNING MANAGEMENT SYSTEMS

Following section provides the list of few Learning Management Systems available online. This is not an exhaustive list. Some of these are free solutions, others require purchase.

Moodle

Open source sophisticated learning software having several good features to facilitate online education

Zoom

Zoom unifies cloud video conferencing, simple online meetings, and group messaging into one easy-to-use platform.

Google Classroom

It is a free education LMS that has a fully featured free tier and lots of embedded tools to facilitate virtual learning.

Google Meet

Just like zoom but having better security features

Docebo

This is a collaborative learning platform where students are able to interact. It is fully customizable yet easy to use.

WizIQ

Helps you reach mass audience and bring your lessons to the world. This has a mobile version available too. Allows customization of features too.

Blackboard Learn

Easy to use LMS for both students and teachers. It is mobile friendly. This can be used for education, training, and governments but the downside is that this may not be GDPR compliant.

Schoology

Schoology Learning has supported all instructional models, including 100% online courses and blended learning environments.

Blackboard Collaborate

Blackboard Collaborate™ is a one-click virtual classroom and online collaboration tool built specifically for institutions who need to deliver more engaging, personalized, and flexible learning options for students.

Panopto

Panopto is the fastest-growing video platform for training, teaching, and presenting.

Vedamo Virtual Classroom

VEDAMO Virtual Classroom is a collaborative web conferencing platform with an online whiteboard, breakout rooms, and screen sharing capabilities for teachers and tutors who want to conduct highly interactive live blended education sessions.

Microsoft Teams

MS Teams is a unified communication and collaboration platform that combines persistent workplace chat, video meetings, file storage (including collaboration on files), and application integration. The service integrates with the Office 365 subscription office productivity suite and features extensions that can integrate with non-Microsoft products.

Facebook

There is evidence of Facebook being suggested as a free tool for teaching purposes where other paid software are not available. Following links provide more information in this context:

- Ten Ways to use Facebook Classroom:
<https://www.thetechadvocate.org/10-ways-use-facebook-classroom/>
- Using Facebook in Teaching:
<https://elearning.qmul.ac.uk/enhancing-your-teaching/using-social-media/using-facebook-in-your-teaching/>
- Facebook as a Learning Tool:
<https://learnfromblogs.com/facebook-as-a-learning-tool>

Annual Audit Report of NAEAC, 2019-20



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Independent Auditor's Report to the Members of Council

Opinion

We have audited the financial statement of National Agriculture Education Accreditation Council which comprise the statement of cash receipts and expenditure (here-in after referred to as the financial statement) for the year then ended, and notes to the financial statement, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements of the National Agriculture Accreditation Council is prepared, in all material respects, in accordance with cash receipts and expenditure basis of accounting described in note 3 to the financial statements.

Basis for Opinion

We conducted our audit in accordance with the International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the 'National Agriculture Education Accreditation Council' in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants as adopted by the Institute of Chartered Accountants of Pakistan (the Code) and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statement

The Management is responsible for the preparation of the financial statement in accordance with cash receipts and expenditure basis of accounting described in note 3 to the financial statement, and for such internal control as the Management determine is necessary to enable the preparation of the financial statement that is free from material misstatement, whether due to fraud or error.

In preparing the financial statement Management is responsible for assessing the National Agriculture Education Accreditation Council ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless Management either intends to liquidate the National Agriculture Education Accreditation Council or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the National Agriculture Education Accreditation Council financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statement

Our objectives are to obtain reasonable assurance about whether the financial statement as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs as applicable in Pakistan will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and





are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial statement.

As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statement, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the National Agriculture Education Accreditation Council internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by Management.
- Conclude on the appropriateness of Management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the National Agriculture Education Accreditation Council ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statement or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the National Agriculture Education Accreditation Council to cease to continue as a going concern.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

ISLAMABAD

Date 5 / 8 / 2020

Zia Masood Kiani & Co.

ZIA MASOOD KIANI & CO
(Chartered Accountants)

Engagement Partner
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NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL

RECEIPTS AND EXPENDITURE STATEMENT FOR THE YEAR ENDED JUNE 30, 2020

	Note	2020 (Rupees)
Receipts	4	8,130,570
Expenditure		
Establishment costs		2,947,406
Honorarium for program evaluators		588,000
Other benefits		82,000
TA/DA		1,505,630
Transportation		107,080
Vehicle expenses		6,830
Communication		31,155
Stationery and other supplies		58,400
Printing and publications		126,815
Miscellaneous expenses		45,639
Computer and office equipment		117,700
Furniture and fixtures		19,220
Audit expenses		36,250
Publicity and advertisement		97,309
Meeting and seminars		198,666
		5,968,100
Excess of Receipts over Expenditure		2,162,470

The annexed notes from 1 to 7 form an integral part of these financial statements.


CHAIRPERSON


FINANCE OFFICER

**NATIONAL AGRICULTURE EDUCATION
ACCREDITATION COUNCIL**
NOTES TO THE RECEIPTS AND EXPENDITURE STATEMENT
FOR THE YEAR ENDED JUNE 30, 2020

Note 1

Council and its Operations

National Agriculture Education Accreditation Council (NAEAC) was established by Higher Education Commission (HEC) in October, 2006. Its scope of work is to accredit degree programs of institutions and their departments, faculties and disciplines of agricultural education by giving them appropriate ratings.

Note 2

Statement of Compliance

The Receipts and Expenditures Statement has been prepared in accordance with the basis of accounting as described in Note 3.

Note 3

Basis Of Preparation

The Receipts and Expenditures Statement has been prepared under the cash basis. In cash basis of accounting revenue is recognized when received rather than when earned and expenses are recognised when payments are made rather than when incurred.

Note 4

Receipts

		2020
	Note	Rupees
Annual grant from Higher Education Commission		4,000,000
Awareness Seminars & Accreditation fee	4.1	3,975,000
Other income		155,570
		<u>8,130,570</u>

4.1 Awareness Seminars & Accreditation fee

University of Poonch, Rawalakot	400,000
University of Haripur	400,000
The Islamia University of Bahawalpur	160,000
Bahauddin Zakariya University, Multan	160,000
University of the Punjab, Lahore	290,000
PMAS Arid Agriculture University, Rawalpindi	320,000
Sindh Agriculture University, Tandojam	400,000
SZABAC, Dokri	240,000

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NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL
Notes to the Receipts and Expenditures Statements

Page 3 of 7

Note 4.1, Accreditation Fee - Continued..

MNSUA, Multan	320,000
Karakoram International University, Gilgit	80,000
UAF Sub-Campus Depalpur, Okara	320,000
KFUEIT- Rahim Yar Khan	130,000
UAF Sub Campus Burewala-Vehari	240,000
BZU Bahadur Campus Layyah	160,000
University of Sindh- Jamshoro	80,000
Hamdard University Karachi	50,000
University of Central Punjab Lahore	50,000
University of Engineering & Technology Lahore	50,000
Dadabhoy Institute of Higher Education, Karachi	125,000
	<u>3,975,000</u>

Note 5

Variance Analysis

	Budgeted	Actual	Variance	
	Rupees	Rupees	Rupees	Percentage
Establishment costs	3,900,850	2,947,406	953,444	24%
Honorarium for program evaluators	600,000	588,000	12,000	2%
Other benefits	500,000	82,000	418,000	84%
TA/DA	2,025,000	1,505,630	519,370	26%
Transportation	200,000	107,080	92,920	46%
Vehicle expenses	25,000	6,830	18,170	73%
Communication	60,000	31,155	28,845	48%
Stationery and other supplies	60,000	58,400	1,600	3%
Printing and publications	300,000	126,815	173,185	58%
Miscellaneous expenses	200,000	45,639	154,361	77%
Computer and office equipment	125,000	117,700	7,300	6%
Furniture and fixtures	50,000	19,220	30,780	62%
Audit expenses	50,000	36,250	13,750	28%
Publicity and advertisement	300,000	97,309	202,691	68%
Meetings / seminars	200,000	198,666	1,334	1%
	<u>8,595,850</u>	<u>5,968,100</u>	<u>2,627,750</u>	

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NATIONAL AGRICULTURE EDUCATION ACCREDITATION COUNCIL
Notes to the Receipts and Expenditures Statements

Page 4 of 7

Note 6

Cash and Bank

	Note	2020 Rupees
Cash in hand		
Cash at bank		8,208
- Current account		
		<u>4,789,456</u>
		<u>4,797,664</u>

Note 7

General

7.1 Figures in these financial statements have been rounded off to the nearest rupee.

7.2 These financial statements were authorized for issue by council on 27-07-2020


CHAIRPERSON


FINANCE OFFICER

Press Releases

[illegible][illegible]

میشود که در کتب کثیره و کتب دینی و کتب علمی و کتب تاریخی و کتب ادبی و کتب...

[illegible]

Date: 24 DEC 2019 "جہان پاکستان" روزنامہ

[illegible]



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پرفیسر کا کہنا تھا کہ انٹرنیٹ پر موجود کئی ایسی ویڈیوز ہیں جو بڑے بڑے اسکالرز کی طرف سے بنائی گئی ہیں۔

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Picture Gallery



Visit of AIC's to University of Poonch Rawalakot



Visit of AIC's to PMAS Arid Agriculture University Rawalpindi



Visit of AIC's to University of Haripur



Visit of AIC's to Sindh Agriculture University Tandojam



Visit of AIC's to the Islamia University of Bahawalpur



Visit of AIC to Govt. College University Faisalabad



Visit of AIC's to MNS-University of Agriculture Multan



Visit of AIC's to BZU Sub-Campus Bahadur Layyah



Visit of AIC's to UAF Sub-Campus Burewala



Review Meeting at Ghazi University D.G. Khan



Awareness Seminar at University of Engineering and Technology Lahore



Awareness Seminar at Hamdard University Karachi



Awareness Seminar at SAU Sub-Campus Umerkot



Awareness Seminar at University of the Punjab Lahore



Training Workshop for Departmental Focal Persons at HEC Islamabad

