



QUAID-E-AWAM UNIVERSITY
OF ENGINEERING, SCIENCE & TECHNOLOGY
NAWABSHAH, SINDH, PAKISTAN
(QUEST)
Self-IPE Report 15-16th, March, 2023



Executive Report
Self-Institutional Performance Evaluation
(Self-IPE)

March 15-16th, 2023



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1. Introduction:

The Self-Institutional Performance Evaluation (Self-IPE) of the Quaid-e-Awam University of Engineering, Science & Technology (QUEST) Nawabshah, was conducted on March 15-16, 2023 by the Convener, one external reviewer and two internal reviewers. The Self-IPE process was based on information documented in University's Portfolio Report (UPR) as guided by QAAHEC Manual, consisting 11 standards (1: Mission Statement and Goals, 2: Planning and Evaluation, 3: Organization and Governance, 4: Integrity, 5: Faculty, 6: Students, 7: Institutional Resources, 8: Academic Programs and Curricula, 9: Public Disclosure and Transparency, 10: Assessment & Quality Assurance and 11: Student Support Services).

The UPR was provided to the evaluators in advance; the appropriate answers and corresponding evidence were available and reviewed. On the day, the team had a courtesy meeting with the Vice Chancellor and his team.

The Self-IPE process was scheduled as mentioned under:

DATE	TIME	EVENT
15 th March 2023	9:00 AM	The Arrival of the IPE External Reviewer
	9:00 - 9:15 AM	IPE Panel meets with the VC
	09:20 - 10:00 AM	Presentation on IPE & PGPR and open discussion on the previous observations and compliance.
	10:10 AM - 1:00 PM	<ul style="list-style-type: none">• Introduction to HoDs / DIs / Directors• Presentation of updated UPR along with relevant document evidence related to 11 Standards by DQEC• Presentation on Compliance Report of Recommendations of IPE 2022• Review Panel working in Conference Room
	1:00 - 2:00 PM	Prayers + Lunch Break
	2:00 - 4:30 PM	Review Panel working in Conference Room
16 th March 2023	9:00 - 10:15 AM	<ul style="list-style-type: none">• Reviewers brought to the Conference Room• Review Panel working in Conference Room
	10:15 - 11:00 AM	Review Panel meeting with selected HoDs / Faculty Members
	11:00 - 11:45 AM	Review Panel meeting with selected students
	11:45 AM - 1:00 PM	Review Panel visits classroom facilities, laboratories, and library
	1:00 - 2:00 PM	Prayers + Lunch Break



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2:00 - 3:00 PM	Review Panel meeting with Registrar, COE, MF, MO & DQEC
3:00- 4:00 PM	Review Panel working in Conference Room
4:00 - 4:30 PM	Exit Meeting of Review Panel with Deans & VC

The reviewer team followed almost all activities for both days as mentioned in the schedule. Efforts deployed in the preparation of the UPR and cooperation were extended by all administrative and academic officials, especially Dr. Nasrullah Channa (Additional Director QEC), and his team was gratefully acknowledged. Constructive group discussion of the external and internal team members noted in the previous observations relating to the improvement of the functioning of the university and enhancing the quality of teaching and research was appreciable. In the end, the team had an exit meeting with the Vice Chancellor, Deans, and other stakeholders and gave brief findings and areas they need to be focused on. The final comprehensive report was prepared by the team and submitted to the competent authority for Corrective Action Plan against each observation and to ensure its compliance by due time for the betterment of the university and quality education.

The IPE panel comprised the following members.

1. Prof. Dr. Kishan Chand Mukwana (Convenor)
2. Prof. Dr. Abdul Razak Mahar Director QEC, Textile Institute of Pakistan (External Member)
3. Prof. Dr. Muhamamd Ibrahim Channa (Internal Member)
4. Mr. Rizwan Aziz Siddiqui (Internal Member)



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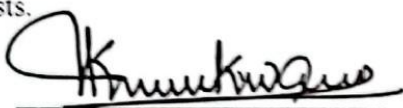
Standard Reviewed Certificate (SRC)

Name of the HEI visited:		Quaid-E-Awam University of Engineering, Science & Technology, Nawabshah, Sindh	
Dates:		From: March, 15 th , 2023	To: March, 16 th , 2023
S#	Review Panel Names:	Organizational Relation	Standards Reviewed:
1.	Prof. Dr. Kishan Chand Mukwana	Dean, Faculty of Environmental Engineering	1: Mission Statement and Goals, 7: Institutional Resources
2.	Prof. Dr. Razak Mahar (External Member)	Director QEC, Textile Institute of Pakistan (TIP)	4: Integrity, 5: Faculty, 6: Students 8: Academic Programs and Curricula, 9: Public Disclosure and Transparency, 10: Assessment & Quality Assurance
3.	Prof. Dr. Muhamamd Ibrahim Channa	Dean, Faculty of Science	2: Planning and Evaluation, 3: Organization and Governance
4.	Engr. Rizwan Aziz Siddiqui	Registrar	11: Student Support Services

The Head of the Panel assigned Standards to each Panel member based on their expertise and experience.

DECLARATION:

Each member hereby certifies that they have studied the HEI assigned the specified standards following the rules and IPE-ToRs, free from any personal or professional bias or competing interests.

1. 

Name: Prof. Dr. Kishan Chand Mukwana

2. 

Name: Dr. A. Razak Mahar

3. 

Name: Prof. Dr. M. Ibrahim Channa

4. 

Name: Engr. Rizwan Aziz Siddiqui


Vice Chancellor, QUEST Nawabshah



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The last Self-IPE was conducted for the period year 2021-2022 wherein 16 Observations in total were noted; out of them, 13 have been implemented and corrected; however, the rest 03 are under process. Overall, 85% have been completed.

Observation/s	Status of Compliance
1.1 Approved V&M to be placed as previously suggested. The revised V&M has been uploaded to the university's website	"Action Done" Can be viewed on the main buildings of the university and the website
2.1 Long-term-strategic plan (5-Year, 10-Year) is at the final stage to be approved by the Statuary bodies.	Hope it will be approved in the ensuing meeting of the statuary bodies. Pending
5.1 Daycare for female faculty is one of the important needs, therefore, it may be considered on a priority basis.	The management of the university has serious considerations to include in the fresh PC's of the university. Pending
5.2 NRPU applications that are under process are to be followed actively.	"Action done" Correspondence with HEC is done; some projects shall be awarded soon.
5.3 Faculty may be more encouraged to get research articles published in HEC-recognized journals.	"No Action is required" University has already approved incentives to encourage faculty.
6.1 Students were not fully aware of mandatory feedback and survey forms. There must be a few sessions to be conducted before the final semester.	"Action Done" The awareness workshops are conducted for the students of the university
6.2 Very good Hostel Management Software is available and in use.	"No Action is required"
6.3 Adequate hostel facilities are available for almost 60% of student's one more new hostel is also recently constructed.	"Action Done" One more hostel is established
7.1 Conditions of buildings of Mechanical, Civil & Electrical, including their concerned laboratories, are very old and poor; they must be either renovated or newly constructed.	"Action done" Renovation work is completed at the hostels; however, lab work shall be started as soon as funds made available.
7.2 Teaching methodology may be	

improved	<p>“Action done”</p> <p>HODs and Deans have taken serious notice to improve teaching methodology.</p>
8.1 Most of the Ph.D. faculty members are on the list of HEC Approved Supervisors, however, the remaining faculty member’s cases are recommended to be reviewed	<p>“Action Done”</p> <p>Almost all faculty members have received HEC approved letters</p>
9.1 Keeping increasing the number of enrolment, the number of internships may be enhanced.	<p>“Action done”</p> <p>Directot Industrial Laisan has deployed all efforts and students internships has been enhanced</p>
10.1 It is suggested that all information for example, conferences, workshops attended by the faculty members, research papers published by the faculty/researchers, enrollment, and any internal changes in the university, may be communicated to QEC	<p>“Action Done”</p> <p>All departments and sections of the university are directed by the competent authority</p>
<p>11.1 Food quality in the hostels and canteen be checked regularly</p> <p>11.2 Study tours may be organized yearly basis.</p> <p>1.3 CMS system may be implemented to facilitate all stakeholders.</p>	<p>“Action Done “</p> <p>It is a regular practice</p> <p>As a regular practice, it is already done no action is required</p> <p>“Action Done”</p> <p>In process</p>

BEST PRACTICES:

- 1) More than 80% of previous observations/suggestions/recommendations have been covered.
- 2) ASRB meeting shall be held every month on Tuesday.
- 3) Almost all practices (A-Z) of the Pre-admission test, result announcement, eligibility list, and registration have been designed on the same day.
- 4) The Testing Service is registered with Sindh Revenue Board and commercially conducts tests at various venues.



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- 5) Excellent Central library is established & fully functional with a covering area of 5400 sq ft and more than 1200 seating capacity. Along with this, more than 76567 books for undergraduates, postgraduate students, and faculty. Automated operating through HEC's one-window interface service called HEC Summon Service. The OPAC (Online Public Access Catalogue), Koha, a Linux-based integrated library Management system, QR codes, EM & RFID Technology. The sections available are: Circulation Section, Reference Section, Book Bank Scheme Section, Binding / Thesis Section, Technical Processing Section, Teacher's Reading Room, A/V Room, Auditorium, Discussion Rooms, Webinar Room, Conference/Webinar Room, Girls Common Room.
- 6) The auditorium hall of Central Library has been commercialized.
- 7) The results of Examinations shall be declared within 02 weeks of the papers
- 8) Increase in research projects (04-05)
- 9) The number of Internships is improving from 1076 to 1200.
- 10) The number of Programs increased Bachelor 09, M.E 01 and Ph.D 01
- 11) Enrollment in bachelor programs has increased to a sufficient level.
- 12) A sufficient number of publications has been increased.

2. Commendation, Findings, and Recommendations 2022-23:

<u>Standard 1: Mission Statement and Goals</u>	
Commendation(s)	
<p><u>1.1</u> Updated Vision & Mission have been prepared and approved</p> <p><u>1.2</u> Updated Vision & Mission have been uploaded on the website of the university and key buildings of the university</p>	
Finding(s)/ Recommendation(s)	
N/A	
<u>Standard 2: Planning and Evaluation</u>	
Commendation(s)	
2.1 A proper mechanism for the involvement of the stakeholders (Deans, Directors, Controller of Examinations, Director of PGS, and Director of Admissions) of the university has been developed.	
Finding(s)/ Recommendation(s)	
2.1.4 Long-term-strategic plan (5-Year, 10-Year) is at the final stage to be approved by the Statuary bodies.	
<u>Standard 3: Organization and Governance</u>	
Commendation(s)	
3.1 The university maintains a well-defined hierarchy and organization system	



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as defined in the ACT.	
3.2	All the statutory bodies, management systems, and hierarchies are designed and conducted as per the HEC policies and other regulatory bodies.
3.3	It was appreciable that all the statutory bodies (for example, the Board of Studies, Board of Faculty, Board of Advanced Studies and Research, or even Selection Committee) meetings are being held regularly and the number is enhanced
Finding(s)/ Recommendation(s) N/A	
Recommendations: N/A	
<u>Standard 4: Integrity</u>	
Commendation(s)	
4.1	The Committees are formed for sexual harassment, plagiarism, disciplinary & grievance to address the case accordingly. Comprehensive admission procedures are found for all the programs which are found comprehensive.
4.2	Online Undergraduate and postgraduate Pre-admission entry tests are being conducted, which processes are quite robust and transparent.
4.3	All information related to admissions, policies, tenders, and others displayed on the website is quite transparent.
Finding(s)/ Recommendation(s)	
It is recommended that SOPs of all policies may be developed and approved by the relevant bodies	
Recommendations: N/A	
<u>Standard 5: Faculty</u>	
Commendation(s)	
5.1	A well-qualified large number of faculty members are inducted into the University with 116 PhDs and M.E/MS/MPhil 82 faculty members.
5.2	It is quite appraised that more than 15 faculty are pursuing Ph.D. in the country and abroad.
5.3	The QUEST has a well-defined system for Academic Matters; it includes the process of preparing a teaching plan, online attendance system, course review report and teacher feedback
5.4	Three research projects are running and more than 20 research projects under the NRP program have been submitted at the Sindh, Islamabad HEC by highly qualified faculty members. About 04 have been won, while the rest is under consideration at the HEC.
5.5	The faculty has published 326 research articles in HEC-recognized journals.
Finding(s)/ Recommendation(s)	
5.3	Daycare for female faculty is one of the important needs, therefore, it may



be considered on a priority basis.

- 5.4 NRPU applications that are under process, are to be followed actively.
- 5.5 Program Faculty profiles may be updated on the university website

Standard 6: Students

Commendation(s)

- 6.1 The QUEST is active to provide jobs, internships and industrial projects to the students.
- 6.2 Overall students were satisfied with the university procedures.
- 6.3 Admission procedure, policies, and record very clear and regularly being reviewed and approved by the concerned bodies.
- 6.4 The information regarding admission, scholarships, and any other related to the students, is directly communicated through, electronic media, print media, and prospectus.
- 6.5 The student's affair's section plays a significant role to keep updated information related to the students' facilities like the hostel, mess, sports, medical etc
- 6.6 Academic Calendars of the undergraduate programs are found in line with the HEC requirements.
- 6.7 It was found that a large number of students participated in curricular and co-curricular activities. Many awards are won by the students.
- 6.8 Students were fully aware of the feedback proformas.
- 6.9 Very good Hostel Management Software is available and in use.

Finding(s)/ Recommendation(s)

- 6.1 Course practical work needs proper attention as per the requirement of the course

Standard 7: Institutional Resources

Commendation(s)

- 7.1 A number of laboratories of the University for instance, the Materials Testing Lab, Soil Mechanism Lab (Civil), Instrumentation Centre lab (Mechanical), Product Development Center etc. are providing testing and consultancy services to the construction and other industries.
- 7.2 Professional & highly skilled human resources of the University particularly the highly qualified faculty (Civil, Mechanical, IT, Electrical) are actively involved in providing consultancy/professional services.
- 7.3 The university encourages human resources to provide consultancy and services to the government and industry for additional fundraising.

Findings/Recommendations:

- 7.1 Mechanical, Civil & Electrical, laboratories, are very old and poor; they must be either renovated or newly constructed.
- 7.2 Faculty Training program may be developed for the newly recruited teachers.



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Office Cubics may be furnished for the research students along with necessary facilities.

Standard 8: Academic Programs and Curricula

Commendation(s)

- 8.1 All undergraduate, Master, and Ph.D. programs and courses are approved by concerned statutory bodies; accreditations and NOCs have been obtained for many programs, and the remaining are applied and are under process and are actively being followed up.
- 8.2 Curricula are designed as per HEC guidelines and implemented as the requirement of the program

Findings/Recommendations:

- 8.1 Most of the Ph.D. faculty members are on the list of HEC Approved Supervisors, however, the remaining faculty member's cases are recommended to be reviewed.
- 8.2 Elective course choice may be enhanced

Standard 9: Public Disclosure and Transparency

Commendation(s)

- 9.1 Details related to admission policy, academic calendar of all programs, details of all offered programs, admissions and key admission dates are well-defined and available on the university website and are being reviewed and updated.
- 9.2 The QUEST website and portals are friendly, easy and public feedback is taken seriously and reforms are implemented based on it; the activities and role of QEC, alumni, students' scholarships and internships, shuttle bus route, exam schedules, and results are available for national as well as International students.

Findings/Recommendations:

- 9.1 Keeping an increasing number of enrolment, still the number of internships may be enhanced.
- 9.2 Policy documents /SOPs related to students, faculty, employees and the general public may be uploaded on the university website

Standard 10: Assessment & Quality Assurance

Commendation(s)

- 10.1 QEC of the QUEST is one of the major components, directly working under the support and guidance of the Vice Chancellor.
- 10.2 QEC team is enough competent and hardworking. The team is dynamic and capable enough to tackle all types of HEC routines and expedite requirements.
- 10.3 Supporting staff is well trained, qualified, and skilled.



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10.3 Supporting staff is well trained, qualified, and skilled

Findings/Recommendations:

- 10.1 QEC may be invited to all academic activities workshops and conferences of the University
- 10.2 It is suggested that all information for example, conferences, workshops attended by the faculty members, research papers published by the faculty/researchers, enrollment, and any internal changes in the university, may be communicated to QEC/ORIC.
- 10.3 Feedback analysis reports may be shared with the concerned faculty for the sake of improvement.

Standard 11. Student Support Services

Commendation(s)

- 11.1 Facilities in the universities are well-established and well-organized for the student's support.
- 11.2 Canteens, photocopy shops, common rooms, mosques and other buildings are well-established.
- 11.3 The Student Affairs Department and the Directorate of Industrial Liaison respectively are quite active facilitate students for the facilities and job placements respectively.
- 11.4 An excellent system has been developed for the students' counseling as nominated/appointed in teaching departments.

Findings/Recommendations:

- 11.1 Research students may be allocated a proper space along with necessary facilities.
- 11.2 Shuttle service may be introduced within the campus for university students, employees, and faculty

General Suggestions.:

1. Keeping brackish water of soil, a sewerage water treatment plant is needed for an hour, a medium size plant may be installed in the University Sound Health and green environment.
2. CMS may be considered on a priority basis.

3. Acknowledgments:

1. QUEST
2. Quality Enhancement Cell (QEC)

**Additional Director
Quality Enhancement Cell
QUEST Nawabshah**

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