

# Assessment Result Implementation Plan Summary, 2024

## Department of Petroleum & Gas Engineering

Sr. No.	AT Finding	Corrective Action	Proposed Implement Date	Responsible Body	Resource Needed
1	PEOs are attained and evaluation results being used for continuous improvement (CQI) of the program. (N/A)	Currently not Applicable	2026	Department	Online Survey Forms & Final Results
2	Mapping of Courses to PLOs. (C3)	As Guided by SAR Evaluator	15 July, 2024	Department	
3	Teaching-learning and assessment methods appropriate and supportive of the attainment of PLOs. (C3)	As Guided by SAR Evaluator	15 July, 2024	Department	
4	Quality of assessment process to evaluate the attainment of PLOs at student as well as cohort levels through well-defined Key Performance Indicators (KPIs); minimum threshold value should not be less than 50%. (W2)	As Guided by SAR Evaluator	15 July, 2024	Department	
5	Process in place by which assessment results are applied to further refine the assessment mechanism and/or redefine the program outcomes, thus leading to continuous improvement of the program. (C3)	As Guided by SAR Evaluator	15 July, 2024	Department	
6	Curriculum provides balanced coverage of engineering and non-engineering contents in-line with National Engineering Qualifications Framework (NEQF) and the prescribed Knowledge Profile – WKs. (W2)	As Guided by SAR Evaluator	15 August, 2024	Department	
7	Adequate exposure to Complex Engineering Problems (CEPs) and Activities. (OFI)	In Process	October, 2024	Department	
8	Exposure to cooperative learning through supervised and mandatory internship program with formal feedback from the employer. (N/A)	Planned after the end of 3 <sup>rd</sup> Year of the session	2025	Department	Petroleum industry.
9	Sufficient opportunities to invoke intuitiveness and originality of thought through Problem Based Learning (PBL), Design Projects and Open- Ended labs. (C3)	System is already in place and suggestion of Evaluator has been considered for improvement	October 2024	Department	

10	Assessment of various learning outcomes (PLOs/CLOs) employing appropriate direct / indirect methods. (OFI)	System is already in place and suggestion of Evaluator has been considered for improvement	June, 2026	Department	
11	Final Year Design projects (FYDP) shall include complex engineering problems and design of systems, components or processes integrating core areas and meeting specified needs with appropriate consideration for public health and safety along with cultural, societal, and environmental considerations encompassing SDGs. (N/A) but OFI	System is already in place and suggestion of Evaluator has been considered for improvement	June, 2026	Department	
12	FYDP project deliverables and the reports are graded according to well-defined mechanism of rubrics and comprehensive standard operating procedures (SoPs). (N/A)	Rubrics are already defined but specific to the projects will be in place when 1 <sup>st</sup> batch in final year	2025-26	Department	
13	Availability of designated student counselors to advise / counsel students regarding academic / career matters and provide assistance in managing their health, financial, stress, emotional and spiritual problems. (OFI)	Tutorial groups of students with individual faculty has been created to guide students.	Career counselling committee already conducting various seminars, workshops etc. in this regard.	Career counselling Committee.	
14	Completion of courses as evident from course files and through student feedback. (OFI)	As Guided by SAR Evaluator	15 July, 2024	QEC	
15	Students' participation in national / international engineering exhibitions and / or competitions, and facilitation by program for such participations. (OFI)	One faculty member has been assigned the duties to guide the students in this regard	Students are already participating in different competitions	Department	
16	Quality of process to evaluate student performance and suggest / take corrective measures. (C3)	As Guided by SAR Evaluator	15 August, 2024		
17	Sufficient Faculty Strength for providing effective student-teacher interaction (student-teacher ratio should be as per PEC guidelines, i.e. better than 20:1). (D2)	10 full time dedicated faculty members needed currently	Advertisement for the hiring of faculty	University	



		just 2 faculty members are present.	members is already published.		
18	Balanced faculty having appropriate qualifications (min. postgraduate with areasonable percentage holding PhD) to cover all areas of program curriculum. (D2)	10 full time dedicated faculty members needed currently just 2 faculty members are present.	Hiring of faculty members is in process.	University	
19	Effectiveness of faculty developmentprogram to ensure their professional growth and retention. (C3)	CPDC is fully functional in university for professional growth, but no retention policy is in place.	University is already conducting different workshops and trainings in this regard.	University	
20	Reasonable faculty workload (as per PEC guidelines) including facilitationto young faculty pursuing higher studies. (OFI)	No system in place for young faculty to pursue higher studies.	No such facility is provided yet.	University	
21	Continuation of faculty research, publications and sponsored projectsfrom industry/donor agencies, etc. (W3)	ORIC is already working on it	December, 2024	ORIC	
22	The program should be headed by a PhD senior faculty of relevant engineering discipline. Reasonable mixof Senior and Junior qualified faculty be ensured. (D2)	Hiring of Ph.D. Faculty is in process.	In process	University	
23	Adequacy of teaching and learning facilities, e.g. classroom environmentand availability of various teaching aids, etc. (OFI)	Available			
24	Adequacy of library resources andfacilities. (W2)	List of Books to be purchased already shared.	In Process	University	
25	Provision and effectiveness of consulting and career placementservices provided to the students. (N/A)	Tutorial groups has been created in this regard.	30 December, 2024	Department	
26	Adequacy of support facilities such as hostels, sports and recreational centers,health care centers, student centers, andtransport facilities. (OFI)	Different facilities are already in place and rest of it are in process	In Process	University	

27	Provision of funding for R&D pursuits and presentations/publication of research papers. (D)	ORIC is already working in this regard	In Process	ORIC	
28	CQI process is well documented and institutionalized at all levels (CLOs, PLOs and PEOs) through institute's QMS. (OFI)	As Guided by SAR Evaluator	October, 2024		
29	Actions taken / implementation plans worked out to address the concerns/weaknesses identified in the last accreditation visit report. (W)	The concerns that were shown in the Zero visit Report	Faculty induction & purchase of library books are under process.	University	
30	Improvement in Faculty Strength / Qualifications since last accreditation visit, if required. (D)	Hiring of Ph.D. Faculty is in process.	In Process	University	
31	Continuation of Faculty Publications, R&D and Consultancy activities. (D)	After hiring of Ph.D. faculty member		Department	
32	Opportunities for students to acquire industrial experience via internship and existence of Industry-Liaison office. (C3)	Planned in 3 <sup>rd</sup> Year of each session	June, 2025	Department, University	
33	Design projects sponsored / supervised jointly by Industry Professionals and faculty members. (N/A)	Not Applicable as no batch is in final year till now	N/A	N/A	
34	Faculty members involved in design / supervision / consultancy role with the industry in the execution of applied research / design project that are relevant to society / industry. (N/A)	Hiring of Ph.D. Faculty is in process.		Department	

#### Chairman's Comments

Engr. M. Akmal Khan

Name and Signature

Chairman  
Petroleum & Gas Engg. Dept.  
University of Chakwal

#### QEC Comments

Name and Signature

Findings & suggestions should be complied as early as possible.

Additional Director  
Quality Enhancement Cell  
University of Chakwal