NCS UNIVERSITY SYSTEM PESHAWAR

DEPARTMENT OF HEALTH SCIENCES

Self-Assessment Report
(2024)
(Doctor of Physical Therapy DPT)

Submitted to:

Quality Enhancement Cell
Khyber Medical University

Program Team

S#	Name & Designation	Status	Signature
1	Dr. Shehla PT	AP/HOD	
2	Dr.Ahmad Azam PT	Coordinator/Lecturer	

Declaration:

I undertake that the Self-Assessment Report of the (program) for the year 2024is prepared by members of the Program Team.

Head QEC;

NCS University System;

It is submitted that information provided in this Self-Assessment Report is factually correct. The report contains complete information as per the defined requirements of Higher Education Commission in collaboration with Quality Assurance/ Quality Enhancement Cell.

Contents

throughout the program.

Criterion 1:

PROGRAM MISSION, OBJECTIVES AND OUTCOMES.

Each program must have a mission, measurable objectives and expected outcomes for graduates. Outcomes include competency and tasks which the graduates are expected to perform after completing the program. A strategic plan must be in place to achieve the program objectives. The extent to which these objectives are achieved through continuous assessment and improvements must be demonstrated.

Standard 1-1:   Program Objectives in line with University and College vision and mission

The program must have documented   measurable objectives that support Faculty / College and institution mission statements.

1-1.1. Program mission statement in line with college and University vision and mission

(State program mission statement in line with college and University vision and mission statement)

University Vision	Khyber Medical University will be the global leader in health sciences' academics and research for efficient and compassionate health care.
University Mission Statement	Khyber Medical University aims to promote professional competence through learning and innovation for providing comprehensive quality health care to the nation.
Institute / College Mission Statement	The mission of NCS University system is to foster excellence in education, inspire compassionate care, and empower healthcare professionals to make a positive impact on individuals, families, and communities.
Program Mission Statement	The mission of Physical therapy program is to prepare skilled, reflective and autonomous practitioners. The program is committed to furthering the body of knowledge of physical therapy and providing leadership within the

	profession advocating for optimal health, wellness Our academic program is enhanced by a wide variety of innovative clinical experiences and involvement in professional societies.

1-1.2. Program Objectives

(Document program objectives that describe the expected accomplishments of graduates during the first several years following graduation from the program.

Program Objectives:

i.   Demonstrate in-depth knowledge of the basic and clinical sciences both in their fundamental context and in their application to the discipline of physical therapy.

ii.   Engage in reflective practice through sound clinical decision making, critical self-assessment and commitment to lifelong learning.

iii. Capacity building of physiotherapists and other members of rehabilitation by equipping them with updated knowledge and new skills.

iv.   Prepared to influence the development of human health care regulations and policies that are consistent with the needs of the patient and of the society.

v.   Demonstrate leadership, management, and communication skills to effectively participate in physical therapy practice and the health care team.

vi.   Incorporate and demonstrate positive attitudes and behaviors to all persons.

vii. To train students with the advance   research techniques to manage and conduct research.

1-1.3. Program Objectives' Alignment

Describe how each objective is aligned with program, college and institution mission statements.

Alignment between		
Program Objectives	**Program Mission**	**University Mission**
➢ Develop Physical therapist skilled with **progressive theoretical as well as practical knowledge and skills**	The mission of the DPT program at NCS University System, Peshawar is to prepare skilled physical therapist to **provide safe and quality person-centered care** to diverse populations across the lifespan using evidence-based practice. Graduates will **use leadership and clinical judgment skills to improve the spectrum of complex physical deformities** throughout Pakistan, and Globally.	Khyber Medical University aims to promote **professional competence** through learning and innovation for providing **comprehensive quality health care** to the nation.
➢ Educate physical therapist working with **different capacities and various roles** in health care institutions/organizations	The mission of the DPT program at NCS University System, Peshawar is to **prepare physical therapist with up to date knowledge so that the needs of emerging era with diverse physical deformities in people of different age groups must be fulfilled.** Graduates will use leadership and clinical judgement skills to improve the spectrum of complex healthcare issues throughout Pakistan, and Globally.	Khyber Medical University aims to promote **professional competence** through **learning and innovation** for providing **comprehensive quality health care** to the nation.

➢ Improvement in soft skills like **leadership, management, problem solving and decision-making skills is the need of the hour for every graduate**	The mission of the DPT program at NCS University System, Peshawar is to prepare the physical therapist to handle each and every situation with their management skills. The institute is also trying its best to train every graduate with problem solving and leadership skills so that the needs of evolving physical defects must be fulfilled not only in Pakistan but also across the globe.	Khyber Medical University aims to **promote professional competence through learning and innovation for providing comprehensive quality health care to the nation**.
➢ Integrate **logics and reasoning in complex situations or settings** while providing holistic care to patients	The mission of the DPT program at NCS University System, Peshawar is to prepare physical therapist with handful skills to integrate logic and reasoning in complex situations by providing safe and quality person-centered care to diverse population. Graduates will **use analytical and logical reasoning skills to improve the spectrum of complex healthcare issues** throughout KPK, Pakistan, and Globally.	Khyber Medical University aims to promote **professional competencethrough learning and innovation** for providing comprehensive quality health care to the nation.
➢ Prepare physical therapist with **analytical, critical thinking and research skills** to promote evidenced based care	The mission of the DPT program at NCS University System, Peshawar is to prepare physical therapist ingrained with analytical, critical thinking and research skills to keep themselves aware of emerging health issues to provide safe and quality person-centered care not only in Pakistan but across the globe.	Khyber Medical University aims to promote **professional competence through learning and innovation** for providing comprehensive quality health care to the nation.

1-1.4. Program Objectives Assessment

Provide for each objective how it was measured, when it was measured, improvements identified and rectification done.

Program Objectives	How measured	When measured	Improvement identified	Remedial Actions
Develop DPT graduates skilled with progressive theoretical as well as practical knowledge and skills	Through Biannual OSCE and Theory based examinations	Semester wise	To be Conducted effective July 15, 2024	To be initiated following findings of Improvement Areas from the reports generated from data gathered w.e.f July 15, 2024
Educate Physical therapist working with different capacities and various roles in health care institutions/organizations	Through Biannual OSCE and Theory based examinations	Semester Wise		
Train Physical Therapist for giving care with leadership, management, problem solving and decision-making skills	Number of Topics with revised presentations, Alumni Survey and Employer surveys	At the conclusion of three years and 01 year after graduation		
Integrate logics and reasoning in complex situations or settings while providing holistic care to patients	Number of Topics with revised presentations, Alumni Survey and Employer surveys	At the conclusion of three years and 01 year after graduation		
Prepare Physical Therapists with analytical, critical thinking and research skills to promote evidenced based care	Number of Topics with revised presentations, Alumni Survey and Employer surveys	At the conclusion of three years and 01 year after graduation		

Table 1.1 Program objectives assessment

1-1.5. Outline the main elements of the strategic plan to achieve the program mission and objectives.

Institute has documented strategic plan for the Program of DPT approved by the statute department of KMU**.**

Standard 1-2: Program Outcomes and their Assessment

The program must have documented outcomes for graduating students. It must be demonstrated that the outcomes support the program objectives and that graduating students are capable of performing these outcomes.

1-2.1. Program Learning Outcomes

Document Program Learning Outcomes keeping in view the guidelines prescribed in the National Qualification Framework, Pakistan (p.9,10)

https://www.hec.gov.pk/english/services/universities/pqf/Documents/National%20Qualification%20Framework%20of%20Pakistan.pdf

Suggested Areas	Program Outcomes
Knowledge	Students will be able to: **i. Core Knowledge** Provide culturally sensitive physical, emotional, and psychological care to a diverse population to assist patients, families, and communities in health promotion, maintenance and restoration. **ii. Problem solving skills** Analyze the problem, make clinical decision for diagnosis and provide appropriate treatment.
Competences /Skills	Students will be able to: **i. Evidence-based practice** Formulate physical therapy practice decisions utilizing scientific research, evidence-based protocols and other appropriate data sources to ensure that best practices are being incorporated into care of patients, families, and communities. **Examination/ Reexamination** • History • Tests and Measures (refer to Licensure Examination Outline, Guide to Physical Therapist Practice, PT Normative Model: Version 2004) • Systems Review for Examination **ii. Quality Improvement** Contributes to evidence-based physical therapy practice by participating in improvement strategies/processes including the use of data to design, implement and evaluate outcomes to improve the quality and safety of healthcare systems.

Values	Students will be able to:
	    i. Teamwork and Collaboration
	        Collaborates with inter professional team members, patients, and their support systems to achieve improved health outcomes
	  ii. Leadership and Management
	        Contributes to evidence-based physical therapy practice by participating in improvement strategies/processes including the use of data to design, implement and evaluate outcomes to improve the quality and safety of healthcare systems.
	 iii. Social Responsibility
	        Social responsibility is the promotion of a mutual trust between the profession and the larger public that necessitates responding to societal needs for health and wellness
	 iv. Integrity
	        Integrity is steadfast adherence to high ethical principles or standards, being truthful, ensuring fairness, following through on commitments, and verbalizing to others the rationale for actions.

Proposed Assessment Tools	
Direct Assessment	**Indirect Assessment**
Outcomes Exam, capstone courses, Assignment and presentation	Graduating Seniors Feedback, alumni, employer
Project/ thesis review reports	Course Evaluation

Standard 1-3: Program Assessment Results

      The results of program's assessment and the extent to which they are used to improve the program must be documented.

1-3.1: Actions taken based on the results of periodic assessments through surveys, feedback of stakeholders etc.

     (Describe the corrective measures taken to address the observations received through surveys/ feedback forms)

Observations Received	Corrective Actions Taken
<To be decided after decision from Academic Affairs Committee>	<To be decided after decision from Academic Affairs Committee>

Standard 1-4: Performance Evaluation through KPIs.

The department must assess its overall performance periodically using the following KPIs.

Performance Measures	Results
Students enrolment trends (during the last three years)	50 students per year
Student faculty ratio	As per AHPC criteria (2 MS-DPT, 5 DPT , 8 visiting)
Average graduating grade point average per semester	3.25
Program Completion Rate (Program completion on time)	98%
Program Attrition rate	2%
Percentage of employers that are strongly satisfied with the performance of the department's graduates	87%
% of faculty awarded excellence in teaching award	02
No. of journal publications per faculty per year	02
No. of funded projects	00
No. of conference publications per faculty per year	03
% of faculty awarded excellence in research award	00
Number of short courses per year, workshops and seminars organized for community services	03
Faculty and students satisfaction regarding the administrative services offered by the department	98%
Student Progression (Year-wise)	94%
Program Employability rate	100%
Faculty Attrition Rate	50%
Program Satisfaction level from Graduating Seniors and Alumni	80%
Students level of satisfaction from library and ICT resources	100%
Students level of satisfaction regarding the quality of teaching and learning through Teacher & Course Evaluation survey	90%

Faculty level of satisfaction	90%
Research publication per faculty	1.3
Continuous Professional Development for faculty	Through CPD platform conducted every month

Criterion 2:

CURRICULUM DESIGN AND ORGANIZATION

The curriculum must be designed and organized to achieve the program's objectives and outcomes. Also course objectives must be in line with program outcomes. The breakdown of the curriculum must satisfy the standards specified in this section. Curriculum standards are specified in terms of credit hours of study. A semester credit hour equals one class hour or two to three laboratory hours per week. The semester is approximately fifteen weeks.

Title of degree:

- Doctor of Physiotherapy (DPT)

Duration:

- 5 years (10 semesters)

Credit hour Definition:

- One semester credit hour is defined as one hour of contact teaching in a class room setting in a week for 16 weeks in a semester. A three credit hour course translates to three hours of teaching in a class room setting per week in a semester.

- One credit hour in laboratory or experimental work would require lab contact for 2 -3 hours

Degree Plan:

- DPT program is semester system program in which each semester consists of 18 weeks including teaching period (16 weeks) and examination period (2 weeks)
- Course title
- Course objectives and outcomes
- Catalog description
- Text book(s) and references
- Syllabus breakdown in lectures (Course Specification forms attached as a (Annex C)
- Computer usage
- Laboratory
- Content breakdown in credit hours (if applicable) as basic science, math, engineering

science, and design for engineering discipline, general education requirements, business requirements and major requirements for the Business Studies and others.

Standard 2-1:   The curriculum must be consistent and supports the program's documented objectives.

Program structure is attached in the end. It contains course outlines as well.

2-1.4.   Complete the matrix shown in Table 2.1 linking courses to program outcomes. List the courses and tick against relevant outcomes.

Program Learning Outcomes:

1. Core Knowledge

    Provide culturally sensitive physical, emotional, and psychological care to a diverse population to assist patients, families, and communities in health promotion, maintenance and restoration.

2. Teamwork and Collaboration

    Collaborates with inter professional team members, patients, and their support systems to achieve improved health outcomes.

3. Evidence Based Practice

    Formulate physical therapy practice decisions utilizing scientific research, evidence-based protocols and other appropriate data sources to ensure that best practices are being incorporated into care of patients, families, and communities.

4. Quality Improvement

    Contributes to evidence-based physical therapy practice by participating in improvement strategies/processes including the use of data to design, implement and evaluate outcomes to improve the quality and safety of healthcare systems.

5. Leadership and Management

    Recognizes the competencies and skills required of an accountable leader and manager while applying principles of organizational process and resource allocation to promote quality care and patient safety.

6. Health Care Policy

    Understand and consider the impact of health care policy, finance, and regulatory environments on care delivery

7. Population Based Care

    Partner with inter professional health care teams to design and provide quality health care.

8. Technology Integration

    Provides care with an understanding of the influence of health care technology on the delivery of quality patient-centered care.

S. No	Courses	Semester	Program Learning Outcomes (PLOs)							
			1	2	3	4	5	6	7	8
1	ANATOMY –I	I	√							
2	PHYSIOLOGY-I	I	√							
3	KINESIOLOGY-I	I	√							
4	ENGLISH-I	I	√				√			
5	PAKISTAN STUDIES	I	√							
6	INTRODUCTION TO COMPUTER	I	√						√	
7	Anatomy –II	II	√							
8	Physiology-II	II	√							
9	Kinesiology-II	II	√							
10	English-II	II	√				√			
11	Islamic studies / ethics	II	√					√		
12	MEDICAL PHYSICS	II	√						√	
13	English-III	III	√				√			
14	Sociology	III	√				√			
15	Physiology-III	III	√							
16	Anatomy-III	III	√							
17	Biomechanics & Ergonomics-I	III	√	√	√					
18	Biochemistry & Genetics-I	III	√							
19	Health & Wellness	III	√							
20	Anatomy-IV	IV	√							
21	Biomechanics & Ergonomics-II	IV	√	√	√					
22	Behavioral sciences (psychiatry & psychology)	IV	√					√		
23	Biochemistry & Genetics-II	IV	√							
24	Exercise Physiology	IV	√		√					
25	Human Growth, Development&	IV	√							

#	Subject	Semester								
	Community Based Rehabilitation									
26	Pathology & microbiology-I	V	√	√	√					
27	Pharmacology-I	V	√	√	√					
28	Physical agents & electrotherapy -I	V	√	√	√					
29	Therapeutic exercises & techniques-I	V	√	√	√					
30	Prosthetics & Orthotics	V	√				√	√		
31	Professional Practice (Laws, Ethics, Administration)	V	√			√				
32	Supervised clinical practice -I	V	√	√	√					
33	Pathology & microbiology-II	VI	√	√	√					
34	Pharmacology-II	VI	√							
35	Physical agents & electrotherapy -II	VI	√	√	√					
36	Manual Therapy	VI	√	√	√					
37	Teaching methodology and Community medicine	VI	√			√	√			
38	Supervised clinical practice -II	VI	√	√	√					
39	Medicine-I	VII	√							
40	Surgery-I	VII	√							
41	Radiology & diagnostic imaging	VII	√							
42	Musculoskeletal physical therapy	VII	√	√	√					
43	Biostatistics-I	VII	√			√	√			
44	Supervised clinical practice-III	VII	√	√	√					
45	Medicine-II	VIII	√							
46	Surgery-II	VIII	√							
47	Neurological physical therapy	VIII	√	√	√					
48	Evidence based practice	VIII	√	√	√					
49	Biostatistics/University Optional	VIII	√							
50	Supervised Clinical Practice-IV	VIII	√	√	√					
51	Cardiopulmonary physical therapy	IX	√	√	√					
52	Emergency Procedures and Primary care.	IX	√							
53	Clinical decision making &	IX	√	√	√					

No	Course	Sem	1	2	3	4	5	6	7	8
	differential diagnosis									
54	Scientific Inquiry and Research Methodology	IX	√							
55	Gerontology and Geriatric Physical Therapy	IX			√					
56	Integumentary physical therapy	IX	√							
57	Supervised Clinical Practice-V	IX	√	√	√					
58	Gynaecology& obstetrics physical therapy	X	√							
59	Paediatric physical therapy	X	√	√	√					
60	Sports physical therapy	X	√	√	√					
61	Research Projects	X	√						√	
62	Supervised Clinical Practice-VI	X	√	√	√					

Table 2.1: Courses versus program outcomes

Standard 2-2: Theoretical background, problems analysis and solution design must be stressed within the program's core material.

2-2.1. Indicate which courses contain a significant portion (more than 30%) of the following elements:

Elements	Courses
Theoretical background	• Kinesiology Biomechanics & Ergonomics • Exercise Physiology • Therapeutic Exercises & Techniques • Physical Agents & Electrotherapy
Problem analysis	• Evidence Based Practice • Clinical Decision Making & Differential Diagnosis
Solution design	• Musculoskeletal Physical Therapy • Neurological Physical Therapy • Cardiopulmonary Physical Therapy • Manual Therapy • Gynecology & Obstetrics Physical Therapy • Pediatric Physical Therapy • Geriatric Physical Therapy • Sports Physical Therapy

Table 2.2: Standard 2-2 requirement

Standard 2-3: The curriculum must satisfy the core requirements for the program, as specified by the respective accreditation body.

Yes, the curriculum satisfies the core requirements for the program, as specified by the Higher Education Commission Pakistan, Allied health Professionals Council, Pakistan Physiotherapy Association and Khyber Medical University Peshawar.

Standard 2-4: **The curriculum must satisfy the major requirements for the program as specified by HEC, the respective accreditation body / councils.**

Yes, the curriculum satisfies the core requirements for the program, as specified by the Higher Education Commission Pakistan, Allied health Professionals Council, Pakistan Physiotherapy Association and Khyber Medical University Peshawar.

Standard 2-5: The curriculum must satisfy general education, arts, and professional and other discipline requirements for the program, as specified by the respective accreditation body / council.

Yes, the curriculum satisfies the general education, arts, and professional and other discipline-specific requirements for the program, as specified by the Higher Education Commission, Allied health Council, Pakistan Physiotherapy Association and Khyber Medical University.

Standard 2-6: Information technology component of the curriculum must be integrated throughout the program.

Yes, the information technology component of the curriculum is fully integrated throughout the program.

Standard 2-7: Oral and written communication skills of the student must be developed and applied in the program.

Yes, the program develops and applies the oral and written communication skills of the students throughout the program. Following courses contribute to the development of **Oral and written communication skills** of the student:

1. Public Speaking

2. Writing and Composition

3. Creative and Technical Writing

Criterion 3:

LABORATORIES AND COMPUTING FACILITIES

Laboratories and computing facilities must be adequately available and accessible to faculty members and students to support teaching and research activities. To meet this criterion the standards in this section must be satisfied. In addition, departments may benchmark with similar departments in reputable institutions to identify their shortcomings if any.

Inventory List (Computer Lab)

S. No	Item Name	Quantity
	HP Core i3 4th Gen	**36**
	Core 2 Duo	**05**
Library		
	HP Core i3 4th Gen	**18**
	Core 2 Duo	**22**
Class Rooms		
	Class Rooms	**17**
	Offices	**12**
	TOTAL	**110**

Inventory List (Science Lab)

S. No	Item Name	Quantity	
Blood Collection Tubes			
1	Plain Tubes	118	
2	Sodium Citrate Tubes	240	
3	EDTA	21	
4	Heparin	41	
5	Sodium Floride	57	
6	SST	17	
	Glassware		
7	Graduated Cylinder (500 mL)	5	
8	Graduated Cylinder (250 mL)	3	
9	Graduated Cylinder (100 mL)	3	
10	Beaker (500 mL)	3	

11	Beaker (250 mL)	5	
12	Beaker (100 mL)	3	
13	Titration Flask (500 mL)	2	
14	Titration Flask (100 mL)	2	
15	Stain Bottles	10	
16	Coplin Jar	0	
17	Spirit Lamp	2	
18	ESR Tubes	9	
19	Pipette (10 mL)	1	
20	Pipette (5 mL)	3	
21	Pipette (2 mL)	2	
22	Pipette (1 mL)	3	
	ICT Strips		
23	Anti HCV	59	
24	HBsAg	48	
25	H. Pylori	100	
26	Typhidot	62	
27	Occult blood + TOXO	3+20	
28	TB	65	
29	HCG	270	
30	Malaria Pf/Pv	75	
31	Dengue NS1	00	
32	Dengue IgM/IgG	10	
34	Hiv	81	
35	Torch	03	
36	HBV	03	

S. No	Item Name	Quantity	
	Racks		
33	Urine Tube Rack	1	
34	Blood Tube Rack	4	
35	ESR Stand	2	
36	Pipette Stand	1	
37	Slides Box	04	
38	Micropipette Stand	01	
	Micropipettes		
40	5 μL	1	
41	10 μL	1	
42	500 μL	1	
43	10 --- 100 μL	4	
44	20 --- 200 μL	1	
45	100 --- 100 μL	2	
	Liquids and Solutions		
46	Carbol Fuchsin stain	1	

S. No	Item Name	Quantity	
47	Decolorizer (ZN)	1	
48	Mathanol Blue	1	
49	Giemsa stain	02	
50	Gram Iodine	1	
51	Crystal violet	1	
52	Safranin stain	1	
53	Retic stain	01	
54	Field`s stain A	1	
55	Field`s stain B	1	
56	N/10 HCl	1	
57	Formaldehyde	1	
58	Methanol	1	
59	Ethanol	1	
60	Acetic acid+ Ced oil	1+2	
61	Barium chloride	1	
62	Benedict`s solution	2	
63	RBC count solution	1	
64	WBC count solution	1	
65	Noion Winner Lab	1	
66	HCl 37%	1	
67	Sulphuric acid	1	
68	N. Saline	01	
69	Methylated spirit	00	

S. No	Item Name	Quantity	
	Slides and Lancets		
70	Slides 26*76 mm	02 boxe	
71	Cover slips	27 Boxes	
72	Lancets	4 Boxes	
73	Lancets	1 Boxes	
74	Lancet Device / Gun	00	
	Miscellaneous		
75	Filter Paper	2	
76	Eosin Methylene Blue	00	
77	Hematoxylin pH Indicator	00	
78	Urocolor 10	2	
79	Accuquick 3	9	
80	Magnifying Glass	00	
81	Torniquete	3	
82	Biopsy needle	1	
83	Hista flex (Embedding Wax)	1	
84	Grinding wheel	00	
85	Stop watch	2	
86	Gas burner	01	
87	Syringe	152	
88	Bleach	2	
89	Sphygmomanometer	1	
90	Stethoscope	1	
91	Cotton	2	

S. No	Item Name	Quantity	
92	Surgical blade	1	
93	Nichiban tape	2	
94	First aid box	1	
95	Plastic gloves	0	
96	Blood collection sets	1 Box	
97	Saniplast	2 Box	
98	Urine bottle	One pack	
99	Thermal paper	00	
100	Fibrintimer cuvette	1 Box	
101	Metrolab lamp	1	
102	Metrolab tubes	00	
103	Metrolab sucking tube	0	
104	Metrolab CD	0	
105	Glass tube 12*75 mm	1 Box	
106	Blue tips	1 Boxes	
107	Yellow tips	1 Boxes	
108	Tray	1	
109	Microscope Cover	00	

S. No	Item Name	Quantity	
110	Cotton box	1	
111	Indicator paper	2	
112	Plastic tubes	400+	
113	Fast ESR tube	50	
114	Petri dish	12	
115	Forceps	2	
116	Tube holder	00	
117	721 Spectrophotometer cuvette	6	

Stationary

S. No	Item Name	Quantity	
118	Envelope	53	
119	Register	06	
120	Permanent marker	2	
121	Ink	1	
122	Duster	1	
123	Glue	1	
124	Receipt pad	2	
125	Printing pad	2	
126	Pages	half Ream	

Electric Equipments

S. No	Item Name	Quantity	
127	Power cable + Servotec regulator	0	
128	Extension board	1	
129	A.C	1	
130	Dawlance refrigerator	1	
131	Blood bank refrigerator	1	
132	CPU	1	
133	LCD Monitor	1	
134	Keyboard	1	
135	Mouse	1	
136	Printer	1	

S. No	Item Name	Quantity	
137	Phone	0	

Laboratory Analyzers and Instruments

S. No	Item Name	Quantity	
138	Microscope	5	
139	Alere h380 Hematology analyzer	1	
140	Fibrintimer coagulation analyzer	1	
141	Centrifuges	2	
142	Water distaliting appartus	1	
143	Balance	0	
144	Heat agitator Stirrer	1	
145	AFT 500 Electrolyte analyzer	1	
146	721 Visible spectrophotometer	1	
147	Photometer 5010	1	
S. No	**Item Name**	**Quantity**	
148	Metrolab 1600DR	1	
149	Water bath	1	
150	Hot Air Oven	1	
151	Roller Mixer	1	
152	Incubator	1	
153	Hemocytometer	0	
154	Hemometer	0	

Reagents

S. No	Item Name	Quantity	
155	Itron Uric acid	1	
156	Diatech CRP	1	
157	B. Group	1	
158	Anti-A	0	
159	Anti-B	0	
160	Spinreact Creatinine	1	
161	Spinreact Amylase	1	
162	Spinreact Uric acid	1	
163	Spinreact TG	1	
164	Labtech GPT	1	
165	Diatech Glucose	1	
166	Bovine Albumin	1	
167	Widal TO, TH	5 Sets	
168	Alere Diluent	1	
169	Alere Clean	1	
170	Alere Lyse	1	
171	Blood Group	1	
172	Coomb`s Reagent	0	
173	Calcium	1	
174	ASO	1	
175	Cholesterol	1	
176	ALP	1	
177	TG	1	
178	Glucose	1	
179	CK	1	
180	GPT	2	

181	T. Protein	1	
182	Uric acid	1	
183	Urea	1	
184	Bilirubin	1	
185	Creatinine	1	
186	ALP	1	
187	PT	1	
188	APTT	1	
189	Amylase	1	
190	Sugar	1	
191	Antibiotics	15	
192	Chocolate Agar	01	
193	Blood Agar	01	
194	Macconkey Agar	01	
195	Nutrient Agar	01	
196	Swab Stick	15	
197	PH Meter	01	
198	Cardic,Smooth.skeletel Muscles Slides	15	
199	Animals.Gram Positive,Gram Negative Slides	15	

Items for DEMO Purposes

1	Itron Uric acid	1	
2	Diatech CRP	1	
3	Spinreact Creatinine	1	
4	Spinreact Amylase	1	
5	Spinreact Uric acid	1	
6	Spinreact TG	1	
7	Labtech GPT	1	
8	Diatech Glucose	1	
9	Bovine Albumin	1	
10	Widal TO, TH	5 Sets	
11	Alere Diluent	1	
1			

Items for DEMO Purposes

12	T. Protein	1	
13	Uric acid	1	
14	Urea	1	
15	Bilirubin	1	
16	Creatinine	1	
17	ALP	1	
18	Amylase	1	
19	Sugar	1	

20	Antibiotics	15	

21	Carbol Fuchsin stain	1	
42	Anti HCV	37	
43	HBsAg	26	
44	H. Pylori	112	
45	Typhidot	65	
46	Occult blood + TOXO	3+19	
47	TB	64	
48	HCG	247	

22	Decolorizer (ZN)	1	
23	Mathanol Blue	1	
24	Giemsa stain	01	
25	Gram Iodine	1	
26	Crystal violet	1	
27	Safranin stain	1	
28	Retic stain	01	
29	Field`s stain A	1	
30	Field`s stain B	1	
31	N/10 HCl	1	
32	Formaldehyde	1	
33	Ethanol	1	
34	Acetic acid+ Ced oil	1+2	
35	Barium chloride	1	
36	Benedict`s solution	2	
37	RBC count solution	1	
38	WBC count solution	1	
39	Noion Winner Lab	1	
40	HCl 37%	1	
41	Sulphuric acid	1	

49	Malaria Pf/Pv	15	
50	Dengue NS1	00	
51	Dengue IgM/IgG	9	
52	Hiv	84	
53	Torch	03	
54	HBV	03	

Items for DEMO Purposes

55	Plain Tubes	126
56	Sodium Citrate Tubes	247
57	Sodium Floride	67
58	Filter Paper	2
59	Urocolor 10	2
60	Accuquick 3	11
61	Cover slips	30 Boxes
62	Lancets	4 Boxes
63	Lancets	2 Boxes
64	Blood collection sets	1 Box
65	Crp Kit	1
66	ASO Kit	1
67	Cholestrol	1

INVENTORY LIST (Physical Therapy GYM & Rehabilitation Center)

S/No	Modalities / Assets	Quantity
1	Stretcher	01
2	X-Ray Viewer	01
3	Rolling Chair	01
4	Office Table	01
5	Office Chair	01
6	Assessments stool	02
7	Weight Machine	02
8	Wheel Ex / Circumductor	01
9	Recumbent Bike cycle	01
10	Yoga Mats	04
11	Physio Balls	04
12	Twister	01
13	Balance Board	02
14	Stationary Cycle	01

15	AB King	01
16	Multifunctional GYM	01
17	Treadmill	01
18	Dumbbell's Set	01
19	Wheelchair	01
20	Spinning Bike	01
21	Thigh Stepper	01
22	Elliptical Machine	01
23	Jumping POPE	04
24	Walker	01
25	Stethoscopes	02
26	BP Sets	02
27	Reflex Hammers	02
28	IR Lamp	01
29	IR Bulbs	02
30	Mulligan Belts	02
31	TENS	02
32	Hot & Cold pack	03
33	Thera bands	06
34	Cervical Traction	01
35	Hand Grip	01
36	Messenger	01
37	PhysioBall Hand Exercises	01
38	Kinesio Tapping	02
39	Acupuncture Needles	01 Box
40	Electrical Muscle Stimulator	01
41	Tray	01
42	Couch	01
43	Couch Step	01
44	Screen Divider	01
45	Fan	04

Criterion 4:

STUDENT SUPPORT AND ADVISING

Student must have adequate support to complete the program in a timely manner and must have ample opportunity to interact with their instructors and receive timely advice about program requirements and career alternatives. To meet this criterion, the standards in this section must be satisfied.

Standard 4-1: Courses must be offered with sufficient frequency and number for students to complete the program in a timely manner.

- Doctor of Physical Therapy (DPT) Program offered only mandatory courses, so students are expected to take those courses in their respective regular semester.

- Students are given detailed course descriptions of all courses offered at the time of courses registration.

- Students are explained in detail about the content and objectives of all mandatory courses.

Standard 4-2: Courses in the major area of study must be structured to ensure effective interaction between students, faculty and teaching assistants.

- The courses are planned to provide students with effective learning. The studio /class are divided into three sections. Class begins with a detail discussion on the theme to be worked on followed by a presentation /notes. Students are given a task to be completed in a given time. At the end teachers and students have a mutual discussion on the work they had done in class. Students are also encouraged to engage in their work outside of campus and bring back more information about their work so teacher can give feedback and advise them

Standard 4-3:   Guidance on how to complete the program must be available to   all students and access to academic advising must be available to make course decisions and career choices.

- The students are informed about new programs and requirements through faculty and course announcements via email, circular; advertising in social media and updating the Institute website.

- Students are given counseling sessions by senior and junior faculty, course instructors and their thesis supervisors and if students are still not sure then they are referred to the Director/Principal or a professional career counselor.

- The Institute provides a platform for students to interact with practitioners by conducting seminars, talks, conferences, and guest lectures. Students are encouraged to participate in these activities.

Criterion 5:

PROCESS CONTROL

The processes by which major functions are delivered must be in place, controlled, periodically reviewed, evaluated and continuously improved. To meet this criterion a set of standards must be satisfied.

Standard 5-1: The process by which students are admitted to the program must be based on quantitative and qualitative criteria and clearly documented.

This process must be periodically evaluated to ensure that it is meeting its objectives.

5-1.1. Describe the program admission criteria at the institutional level, faculty or department if applicable**.**

A candidate seeking admission in DPT program shall apply on a prescribed form appended to the prospectus. The candidate shall submit the application form along with attested photocopies of all the documents as mentioned in the application form. If any document / information provided by the candidate is found false/fake or fabricated at any stage of course the admission will be cancelled. Incomplete application forms will be rejected.

Online portal is available for admissions in DPT program and all the requirements are uploaded.

2. SELECTION CRITERIA:

Admission will be open to both male and female candidates who have passed the Higher Secondary Certificate Examination (F.Sc. Pre-medical) or possessing an equivalent qualification from a recognized board and have appeared in the MD CAT Test by KMU. The merit for admission will be determined as follows.

EXAMIN ATION TEST:	Weightage
Adjusted marks obtained in F.Sc or Equivalent examination:	50%
MD CAT Test marks:	40%
Marks Obtain in S.S.C examination:	10%

Example:

- Adjusted marks obtained in F.Sc. or equivalent level examination   870/1100 or 79.1%
- MD CAT Test marks 460/800 or 57.5%
- S.S.C or Equivalent qualification 650/850 or 76.5 %
- His/ Her Merit will be calculated as Follows
- Weightage for F.Sc = 79.1 X 0.5=39.55

- Weightage for Entry Test = 57.5 X 0.4=23.00
- Weightage for S.S.C=76.5 X 0.1= 7.65
- Merit Score of the candidate = a+b+c =39.55+23.00+7.65= 70.2

Note: 10 marks will be deducted from F.Sc marks for each additional attempt.

5-1.2. Describe policy regarding program/credit transfer.

✓ Mutual migration is not allowed.

✓ Migration will be allowed only if a vacant seat is available in the corresponding class, not exceeding the total permissible strength of the college/institute.

✓ All the applications shall be routed through the head of the institution. No case shall be processed without provision of NOC.

✓ Head of the concerned institute shall give NOC prior to the final approval by the BOG of NCS University System.

✓ Migrating students must clear all the dues of the Institute.

✓ The fee shall be deposited at the finance office where migration is sought.

✓ In case a student's wants to migrate to another institute, University (Within or outside the province), he/she must clear all the dues of the degree (all semesters) program to get an NOC from NCS University System.

Standard 5-2: The process by which students are registered in the program and monitoring of students' progress to ensure timely completion of the program must be documented. This process must be periodically evaluated to ensure that it is meeting its objectives.

5-2.1. Describe how students are registered in the program.

Each candidate shall make an application for admission to any discipline in response to advertisement by the Institute on the prescribed form along with documents specified in the form.

Eligibility for admission
The candidates applying for admission must have passed the F.Sc (Pre-Medical) examination from a Board of Intermediate and Secondary Education in Pakistan in First division with at-least 50% unadjusted marks. Entry test weighted is 40%, F.Sc 10% and S.S.C 10%.

5-2.2. Describe how students' academic progress is monitored and how their program of study is verified to adhere to the degree requirements.

Semester comprises of two examinations:
- Eligibility criteria to sit in the exam is 75% of attendance in respective modules
- Midterm examination 20% weight age
- Internal assessment   10% weight age
- Semester final Exam   70% weight age

5-2.3. Indicate how frequently the process of registration and monitoring are evaluated and if the evaluation results are used to improve the process.

The process is of registration is evaluated annually already discussed above. The evaluation data is used to improve the process by recording the data and reviewing it by the admission committee.

Standard 5-3: The process of recruiting and retaining highly qualified faculty members must be in place and clearly documented. Also processes and procedures for faculty evaluation, promotion must be consistent with institution mission statement. These processes must be periodically evaluated to ensure that it is meeting with its objectives.

Faculty Recruitment Procedure: Annexure-1

- Vacancy Announcement
- Receiving and Processing of Applications
- Employment Committee (EC)
- For any processing of job applications that falls below the position of Director, an EC shall be formed. This committee has the responsibility to screen and short list candidates, prepare necessary tests, interviews and select a candidate. EC shall consist of the following members:
  - Director Campus
  - Director Finance & HR;
  - HOD/Programme Coordinator/AP
- Short listing of Applicants Criteria Weightage
- Screening of Applicants
- Appointment

Guidance is taken from HEC rules regarding recruitment of faculty members. A comprehensive performance appraisal system is in place to assess performance of faculty staff to encourage performers and to assist and facilitate under-performers in achieving their performance benchmarks. (Annexure-2)

The process is in line with the mission statement; however, due promotions should be promoted and vacant positions should be filled with increased number of students not to overburden the already working staff.

Standard 5-4: The process and procedures used to ensure that teaching and delivery of course material to the students emphasizes active learning and that course learning outcomes are met. The process must be periodically evaluated to ensure that it is meeting its objectives.

5-4.1. Describe the process and procedures used to ensure that teaching and delivery of course material is effective and focus on students learning.

A comprehensive performance appraisal system is in place to assess performance of faculty staff to encourage performers and to assist and facilitate under-performers in achieving their performance benchmarks.

5-4.2. Indicate how frequently this process is evaluated and if the evaluation results are used to improve the process.

Teachers get their feedback quarter based twice in a semester and are able to evaluate their performance and improvement.

Standard 5-5: The process that ensures that graduates have completed the requirements of the program must be based on standards, effective and clearly documented procedures. This process must be periodically evaluated to ensure that it is meeting its objectives.

- The semester rules have been adopted by the department according to the rules provided by the examination. Head of Department ensure their compliance.
- This operation is reviewed twice in a semester and is documented.

FACULTY

Faculty members must be current and active in their discipline and have the necessary technical depth and breadth to support the program. There must be enough faculty members to provide continuity and stability, to cover the curriculum adequately and effectively, and to allow for scholarly activities. To meet this criterion the standards in this section must be satisfied.

Standard 6-1: **There must be enough full time faculty who are committed to the program to provide adequate coverage of the program areas/courses with continuity and stability. The interests and qualifications of all faculty members must be sufficient to teach all courses, plan, modify and update courses and curricula. All faculty members must have a level of competence that would normally be obtained through graduate work in the discipline. The majority of the faculty must hold a Ph.D. in the discipline.**

Complete the following table indicating program areas and number of faculty in each area. Each faculty member should complete a resume, prepared in a format included in Appendix B.Informationrecorded in Table 4.6 and faculty member's resumes will be sufficient to validate standard 6-1.

Program area of specialization	Courses in the area and average number of sections per year	Number of faculty members in each area*	Number of faculty with Ph.D. degree
Area 1.Neurology	Neurological Physical therapy		Nil
Area 2.Sports medicine	Sports Physical Therapy		Nil
Area 3.Musculoskeletal	Musculoskeletal PT		Nil
Area 4. Manual therapy	Manual therapy PT		Nil
Area 5. Integumentary	Integumentary PT		Nil
Area 6. Geriatrics	Gerontology and geriatrics PT		Nil
Are7. Cardiopulmonary	Cardiopulmonary PT		Nil
Area 8. Gynecology	Gynecology & obstetrics PT		Nil
Area 9. Pediatrics	Pediatrics PT		Nil
Area 10. Orthopedics			Nil
Total		Average 03 faculty in each area	

*One faculty may be teaching more than one area

Table 6.1: Faculty distribution by program areas;

Standard 6-2: All faculty members must remain current in the discipline and sufficient time must be provided for scholarly activities and professional development. Also, effective programs for faculty development must be in place.

6-2.1. Describe the criteria for faculty to be deemed current in the discipline and based on these criteria and information in the faculty member's resumes, what percentage of them is current. (The criteria should be developed by the department.)

Faculty concurrency in the discipline is determined based on the criterion set by the Khyber Medical University in the light of HEC guidelines. All faculty members submit their professional resumes on a Performa.

6-2.2. Describe the means for ensuring that full time faculty members have sufficient time for scholarly and professional development.

All fulltime faculty members are allocated teaching hours as per HEC defined limit which enables the faculty to have enough spare time to perform scholarly activities and improve their knowledge and skills. Faculty members are provided with adequate resources for research and academic activities. Every faculty member has been provided with computer system and access to internet. Faculty members have also access to library materials for academic and research activities. Professional training and opportunity to attend workshops outside Institute is also provided to faculty, if required, to enhance their capabilities.

6-2.3. Describe existing faculty development programs at the departmental and university level. Demonstrate their effectiveness in achieving faculty development.

Faculty Development Activity	Date & Duration	Venue (Local/International)	No.of Faculty attended (Attach evidence)
CPD Workshop under title "Incorporating diversity and understanding Science of Learning in Education"	15/2/2024	Multipurpose Hall NCS US, Peshawar	Proof Attached (Annexure-3)

CPD Workshop under title "How we put Student-Centered Learning into Action"	15/5/2024	Multipurpose Hall NCS US, Peshawar	Proof Attached (Annexure-4)

Standard 6-3: All faculty members should be motivated and have job satisfaction to excel in their profession.

6-3.1. Describe programs and processes in place for faculty motivation.

Programs and processes in place for faculty motivation are:
- Cordial working environment
- Flexible faculty timings
- Annual and causal leaves
- Performance-based increment and annual bonus
- Continuing education
- Annual picnics and social gatherings

INSTITUTIONAL FACILITIES

Institutional facilities, including library, classrooms and offices must be adequate to support the objective of the program. To satisfy this criterion a number of standards must be met.

Standard 7-1: The institution must have the infrastructure to support new trends in learning such as e-learning.

7-1.1. Describe infrastructure and facilities that support new trends in learning.

S/No	Academic Building	Quantity
1.	Class rooms	05
2.	Computer Lab	01
3.	Conference Room	01
4.	H.O.D Offices	
5.	Multi-Purpose Hall	01 (Capacity of more than 100 students)
6.	Staff Room	01
7.	Shared faculty offices	For Each Department
8.	Department building is fully equipped with all latest new technology.	
9.	Projectors are used in the labs.	
10.	Internet facility is available throughout department.	

7-1.2. Indicate how adequate the facilities are:

- The NCS has provided e-learning facilities to faculty members and students. Each faculty member has access to computer system along with access to internet and e-learning library section. Students have been also provided a number of computer systems in the library to access e-learning section. The support staff to look after the e-learning resources is sufficient in number, trained and responsive. The NCS has provided enough funding to support the e-learning.

Standard 7-2: The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel.

- The NCS library has enough technical books in hard copies to support the program learning. The internet access provides opportunities to the students and faculty to obtain knowledge from their technical resources. The library is staffed with good number professionals to help students and faculty members to get access to required book or learning material efficiently.

Standard 7-3: Class-rooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.

- Enough class rooms are available to run the program as per desired schedule. All classrooms are well equipped with multimedia and other resources. All faculty members have allocated cabins or workstations in air conditioned rooms; they are provided with high speed internet facility. Each faculty office is equipped with landline extension, and shelves. Stationery is allocated to each faculty member on need basis. There is centralized printing facility available for all faculty members.

Criterion 8: INSTITUTIONAL SUPPORT

The institution's support and the financial resources for the program must be sufficient to provide an environment in which the program can achieve its objectives and retain its strength.

Standard 8-1: There must be sufficient support and financial resources to attract and retain high quality faculty and provide the means for them to maintain competence as teachers and scholars.

- The institute allocates enough financial resources each year to hire competent faculty as required. As already listed in standard 5-3, Faculty members are retained by giving them good remuneration, favorable teaching environment, research facilities and management support. (Annexure-5, Employee Performance Appraisal) As listed in standard 6-2, Faculty members are provided with adequate resources for research and academic activities to maintain their competence. Every faculty member has been provided with computer system and access to internet. Faculty members have also access to library materials for academic and research activities. Professional training is also provided to faculty if required to enhance their capabilities.

Standard 8-2: There must be an adequate number of high quality graduate students, research assistants and Ph.D. students.

8-2.1. Provide the number of graduate students, research assistants and Ph.D. students for the last three years.

Number of graduate students	Number of research assistants	Number of Ph.D. students
No of graduate students 2021 is 54 No of graduate students 2022 is 40 No of graduate students 2023 is 27	06	N/A

8-2.2. Provide the faculty: graduate student ratio for the last three years.

Ratio of Faculty to Graduate Students		
2022-23	**2021-22**	**2020-21**
1:3	**1:6**	**1:4**

Standard 8-3: Financial resources must be provided to acquire and maintain Library holdings, laboratories and computing facilities.

8-3.1. Describe the resources available for the library.

Financial resources available for library
Library at NCS holds more than 2790 books for all programs. Sufficient number of computers are available to be used by the students. Library is organized to accommodate 60students (male, female) in the common places. Separate common rooms for male and female students are available with internet facility.

8-3.2. **Describe the resources available for laboratories.**

Financial resources available for DPT Students
Laboratories at NCS holds adequate equipment to be used by the students to carry out desired experiments and laboratory work. Each year a handful of budget is allocated for laboratories to maintain and upgrade the equipment.

8-3.3. Describe the resources available for computing facilities.

Financial resources available for computing facilities
Computing facilities at NCS provide excellent platform to students to enhance their learning capabilities. There are computer laboratories in the campus, which are accessible to all students for their use.

Date 3rd June 2024.

Attendance Sheet

Workshop on Self-Assessment Report (SAR)

S.No	Names	Designation	Signature
1	**Adnan Ahmad**	**Head QEC (ICHS) External member**	
2	**Dr Usman khursheed**	**DPT Lecturer(ICHS) External member**	
3	**M Naem khan**	**Officer QEC(ICHS) External member**	
4	**Noor Ullah**	**Officer QEC NCS**	
5	**Ahmad Azam**	**Coordinator DPT NCS**	
6	**Adil afridi**	**IT Manager NCS**	
7	**M Ali**	**IT Assistant NCS**	

Head QEC

One Day Workshop's Attendance

"Incorporating Diversity and Understanding Science of Learning in Education"

S #	Name	Department	Signature
1.	Noor Ullah	Common .	
2.	Muhammad Asim	MLT	
3.	Dr. Aspandiyar khan	Common lecturer	Asgand.
4.	Mr. Muhammad Shoaib	MLT-Lecturer	
5.	Mr. MAZHAR HUSSAIN	BSN-Lecturer	
6.	Ms. Uzma	Coordinator DT	
7.	Mr. Fazal Hayat	Common	
8.	Mr. Abdul Aziz ✓	Nursing	
9.	Mr. Abdul wadood	Rad	
10.	Qudrat ullah	Rad	
11.	Dr. Ayesha Parveen (PT)	lecturer DPT	
12.	Dr. AQSA KHAN (PT)	lecturer DPT	
13.	Mz. Ujala Rasheed	Lecturer MLT	
14.	Dr. Shehla Ali (PT)	lecturer DPT	

S #	Name	Department	S.
15.	Dr Ahmad Azam (PT)	DPT	
16.	Ms. Mahnoor.	DT	
17.	Dr. Bakar Ikram (PT)	DPT	
18.	Dr. Umair Rauf	Admin (QEC)	
19.	Mr. Adil Ayaz Afridi	Admin	
20.	Dr. Abdul Jalal Khan (PT)	DPT	
21.	Dr Akbar Badshah	DT	
22.			
23.			
24.			
25.			

Mr. Abubakar (student)