



## APPENDIX

### RESEARCH INSTRUMENT

#### Motivational Scale Questionnaire:

##### Part I: Socio-Demographic Profile

**Directions:** Please provide the following information by writing the appropriate response:

Name (Optional): \_\_\_\_\_

Age: \_\_\_\_\_

Sex: \_\_\_\_\_

##### Part II.

**Directions:** Please read each statement carefully and answer honestly. For each item, place a check mark (✓) in the box that best represents your response according to the following scale:

Rating Scale (for all items):

4– Strongly Agree | 3- Agree | 2 – Disagree | 1 – Strongly Disagree

A.	Academic Motivation	4	3	2	1
	<i>(Items adapted from the Academic Motivation Scale–College Version (AMS-C) by Vallerand et al.)</i>				
1.	I am motivated because my studies allow me to continually learn about many aspects of medical imaging that fascinate me.				
2.	My education gives me a sense of personal satisfaction in striving for excellence in my studies and clinical performance.				



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3.	I experience a sense of excitement or “high” when learning about new imaging techniques, technologies, or cases.				
4.	I feel satisfied when I am able to accomplish difficult imaging tasks or understand challenging topics.				
5.	I believe that further education and will improve my competence as a future Radiologic Technologist.				

<b>B.</b>	<b>Career Motivation &amp; Opportunities</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
1.	The possibility of specializing in modalities (e.g., CT, MRI) motivates me to do well now.				
2.	Pursuing a degree in Radiologic Technology motivates me because it offers promising career opportunities in the healthcare field.				
3.	I am motivated to work in healthcare because of its stable and secure employment opportunities.				
4.	The availability of jobs for Radiologic Technologists locally and abroad motivates me to pursue this career.				
5.	I am driven to pursue RT because it aligns with my long-term career goals and interests in medical imaging.				

<b>C.</b>	<b>Clinical Environmental Support</b> <i>(Items adapted from Clinical Learning Environment (CLE) reframed specifically as a Source of Motivation)</i>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>



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1.	A positive and supportive atmosphere in the radiology department motivates me to remain committed to my training and future profession as a radiologic technologist.				
2.	Having access to functional and well-maintained imaging equipment motivates me to practice procedures with confidence and interest.				
3.	Receiving timely and constructive feedback from clinical supervisors motivates me to correct my mistakes and enhance my clinical performance.				
4.	The guidance and encouragement from clinical instructors and supervising radiologic technologists motivate me to do my best during clinical rotations.				
5.	The opportunities I am given to perform radiologic procedures during clinical duty motivate me to actively participate and improve my skills.				



## RESEARCH INSTRUMENT

### Clinical Performance Evaluation Tool (CPET)

Name of Clinical Instructor/School: \_\_\_\_\_

Student: \_\_\_\_\_

**Directions:** Please read each statement carefully and answer honestly. For each item, place a check mark (✓) in the box that best represents your response according to the following scale:

Rating Scale (for all items):

4– Excellent | 3– Good | 2 – Needs Improvement | 1 – Unsatisfactory

A.	<b>Domain 1: Patient Handling</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
1.	Greets, identifies, and explains procedures to patients clearly.				
2.	Obtains consent and ensures patient comfort and dignity.				
3.	Safely transfers and positions patient with appropriate assistance.				
4.	Communicates effectively and responds to patient needs.				
5.	Follows and observes proper infection control (hand hygiene, PPE, equipment cleaning).				

B.	<b>Domain 2: Equipment Operation</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
1.	Prepares and checks X-ray equipment before use.				
2.	Selects appropriate exposure factors based on patient and exam.				
3.	Operates CR/DR or portable system properly with minimal errors.				
4.	Maintains equipment cleanliness and follows departmental protocols.				
5.	Adjusts image receptor, SID/FFD, and equipment correctly.				



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<b>C.</b>	<b>Domain 3: Positioning Techniques</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>1.</b>	Identifies correct projections and protocols for exam.				
<b>2.</b>	Positions patient accurately with correct centering and alignment.				
<b>3.</b>	Uses collimation and markers properly.				
<b>4.</b>	Verifies image quality and repeats only when justified.				
<b>5.</b>	Adapts positioning techniques for special or limited-mobility cases.				

<b>D.</b>	<b>Domain 4: Radiation Safety Practices</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>1.</b>	Applies ALARA principles consistently.				
<b>2.</b>	Uses shielding and collimation appropriately.				
<b>3.</b>	Observes proper distance and protective barriers.				
<b>4.</b>	Wears dosimeter correctly and follows monitoring protocols.				
<b>5.</b>	Observes radiation safety procedures for pediatrics, trauma, or pregnant patients.				