

## **Questionnaire**

### **Survey Questionnaire on Dataset on Citizens' Perceptions and Adoption of Artificial Intelligence for Health Care Seeking in Bangladesh**

#### **Demographic Information**

I. Gender:

- a) Male
- b) Female

II. Education Level:

- a) SSC
- b) HSC
- c) Honor's/BBA/BSC
- d) Master's/MA/MSc
- e) Others

#### **Categories of Respondents**

- a) Patient
- b) Nurse
- c) Doctor
- d) Technical Assistant
- e) Management Body

### **Section 1: Readiness of Artificial Intelligence**

#### ***1.1 Perceived Susceptibility***

- I. How familiar are you with the concept of Artificial Intelligence in healthcare?  
a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree
- II. To what extent do you believe that adopting AI in healthcare can improve the accuracy and efficiency of medical diagnosis and treatment?  
a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree
- III. Does AI have potential to generate benefits for healthcare services?  
a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree

### ***1.2 Technological Awareness***

- I. Are you aware of the current applications of AI in the healthcare sector?
- a) Very knowledgeable b) Moderately knowledgeable c) Neutral d) Slightly knowledgeable e) Not knowledgeable at all
- II. Do people in all classes will take AI services from healthcare clinics?
- a) Very knowledgeable b) Moderately knowledgeable c) Neutral d) Slightly knowledgeable e) Not knowledgeable at all
- III. Do you believe that AI will provide accurate diagnosis better than existing healthcare services?
- a) Very knowledgeable b) Moderately knowledgeable c) Neutral d) Slightly knowledgeable e) Not knowledgeable at all

### ***1.3 Perceived Risk***

| <b>Risk Factor</b>                                                                                                             | <b>Intensity</b><br>a) Strongly agree<br>(e) Strongly disagree |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| I. I would not feel totally safe receiving services through artificial intelligence tools and technologies.                    |                                                                |
| II. I am worried about use Artificial Intelligence tools and technologies in healthcare sector without interference of humans. |                                                                |
| III. I would not find Artificial Intelligence tools and technologies secure in dealing with services                           |                                                                |

### ***1.4 Personal Innovativeness***

- I. Do you feel open to taking on new healthcare services or technologies that incorporate AI?
- (a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree
- II. Are you willing to receive new AI advanced services from the clinics at first chance?
- (a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree
- III. To what extent do you influence your peer group and take as yourself regarding AI generated services in healthcare?
- (a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree

### ***1.5 Social Media Influence (SMI)***

| <b><i>SMI</i></b>                                                                                                                                                | <b>Intensity</b> (a) Strongly agree b) Agree c) Neutral d) Disagree e) Strongly disagree) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| I. You rely on electronic word-of-mouth recommendations to obtain information about Artificial Intelligence related healthcare products and services             |                                                                                           |
| II. You am very confident that electronic word-of-mouth recommendations will enable me to adopt Artificial Intelligence related healthcare products and services |                                                                                           |
| III. You prefer to accept electronic word-of-mouth recommendations for Artificial Intelligence related healthcare products and services                          |                                                                                           |

## **Section 2: Adaptation of Artificial Intelligence**

### ***2.1 Readiness of Artificial Intelligence***

| <b>Adaptation</b>                                                                    | <b>Intensity</b> (a) Strongly agree e) Strongly disagree) |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------|
| I. You are familiar with the Artificial Intelligence in healthcare sector or clinic. |                                                           |
| II. You use the Artificial Intelligence system in other services I take.             |                                                           |
| III. You are positive to take services from AI in the clinic for more accuracy.      |                                                           |

## ***2.2 Adaptation of Artificial Intelligence***

| <b>Adaptation</b>                                                                                      | <b>Intensity</b> (a) Very influential b) Influential c) Neutral d) Not very influential e) Not influential at all |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| IV. I will use the Artificial Intelligence system on a regular basis in the future                     |                                                                                                                   |
| V. I will frequently use the Artificial Intelligence system in healthcare sector in the future         |                                                                                                                   |
| VI. I will strongly recommend Artificial Intelligence system in healthcare sector to others to use it. |                                                                                                                   |

*Thank you for completing this survey. Your input is crucial for advancing our understanding of AI adoption in healthcare in Bangladesh.*