APPENDIXES FOR THE ETHICAL APPLICATION

APPENDIX 1 - SYSTEM USABILITY SCALE (SUS)

APPENDIX 2 – PERCEIVED USEFULNESS AND PERCEIVED EASE OF USE SCALE (PUPEU)

APPENDIX 3 – FIDELITY IMPLEMENTATION CHECKLIST (FICL)

APPENDIX 4 - QUALITY OF DELIVERY METRICS

APPENDIX 5 - ADHERENCE METRICS

**APPENDIX 1**

**SYSTEM USABLITY SCALE**

Please select for each question the most applicable response relevant for YOU. Answer all the questions. Thank you.

When the SUS is used, participants are asked to score the following 10 items with one of five responses that range from Strongly Agree to Strongly disagree:

1. I think that I would like to use this system : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

2. I found the system unnecessarily complex : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

3. I thought the system was easy to use : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

4. I think that I would need the support of a technical person to be able to use this system : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

5. I found the various functions in this system were well integrated : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

6. I thought there was too much inconsistency in this system : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

7. I would imagine that most people would learn to use this system very quickly : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

8. I found the system very cumbersome to use : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

9. I felt very confident using the system : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

10. I needed to learn a lot of things before I could get going with this system : Strongly Agree - Agree - Neither - Disagree - Strongly disagree

**APPENDIX 2**

**PERCEIVED USEFULNESS AND PERCEIVED EASE OF USE SCALE**

Perceived Usefulness

Using CELLIPI in my job would enable me to accomplish tasks more quickly.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

Using CELLIPI would improve my job performance.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

Using CELLIPI in my job would increase my productivity.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

Using CELLIPI would enhance my effectiveness on the job.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

Using CELLIPI would make it easier to do my job.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

I would find CELLIPI useful in my job.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

Perceived Ease of Use

Learning to operate CELLIPI would be easy for me.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

I would find it easy to get CELLIPI to do what I want it to do.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

My interaction with CELLIPI would be clear and understandable.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

I would find CELLIPI to be flexible to interact with.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

It would be easy for me to become skilful at using CELLIPI.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

I would find CELLIPI easy to use.

extremely likely, quite likely, slightly likely, neither, slightly unlikely, quite unlikely, extremely unlikely

**APPENDIX 3**

**FIDELITY IMPLEMENTATION CHECKLIST (FICL)**

Our total expectation of registration is 50% of the LC patients in Sri Lanka

First quarter expectation 25% of intended population registered - yes/no

Second quarter expectation 50% of intended population registered - yes/no

Third quarter expectation 75% of intended population registered - yes/no

50% of the actual population used IAS - yes/no

50% of the actual population used CELLIPI - yes/no

50% of the actual population completed the CDMM - yes/no

50% of the actual population completed the ODLs - yes/no

50% of the actual population completed the PROMS/PREMS - yes/no

Steering committee meetings are on target - yes/no

Live data Analytics are produced by the Demographic module - yes/no

Live data Analytics are produced by the CELLIPI - yes/no

Live data Analytics are up to the date - yes/no

**APPENDIX 4**

**QUALITY OF DELIVERY METRICS**

Number of illness Automation System Diet prescriptions generated through CELLIPI

Number of illness Automation System Exercise prescriptions generated through CELLIPI

Number of illness Automation System Checkup prescriptions generated through CELLIPI

Number of illness Automation System Vaccine prescriptions generated through CELLIPI

**APPENDIX – 5**

**ADHERENCE METRICS**

Total number of admission register entries (x)

Total number of CELLIPI quarterly encounter entry counts (y)

Total number of CELLIPI annual encounter entry counts (z)

Early attrition rate = y / x

Later attrition rate = z / x

Final Attrition rate = z / x - y

coverage of the sample = total number of entries x - z /x

Mean number of item categories (ID data, Clinical data, prescription data, lab data, medical data) of the Cellipi filled

Mean number of item categories of the cellipi filled

Mean number of items (Clinical data category : positive symptoms, negative symptoms, illness data) per categories of the Cellipi filled

Mean number of items per categories of the Cellipi filled

Mean number of disposition array items executed in Cellipi

Mean number of SMSs sent and received in Cellipi

**APPENDIX – 6**

**ADAPTATION STRATEGY METRICS**

Adaptation Strategy Success Rates defined for the study are shown below from 1-7 and the denominator for all calculations will be Total reported COVID-19 patient number at the end of the study at the MOH Epidemiology Web Site.

1. Number of self data entry users

2. Number of self data entry assisted users

3. Number of proxy data entry users

4. Number of local GPs, Physicians aided data entry users - total

5. Number of local GPs, Physicians aided data entry users - WAS

6. Number of local GPs, Physicians aided data entry users - IAS

7. Number of IMPA voluntary physician aided data entry users