

1. Course Code

2283

2. Course Title

S5e:ICT4D Special Exercises 1

3. Teacher

YAMANAKA, Atsushi

4. Term

Spring 1

5. Course Requirements (Courses / Knowledge prerequisite for this course)

2251 Tankyu Practice

2285 ICT for Development

(Not required but highly recommended)

2286 Social Development

Or equivalent professional and/or experiences or approval from the lecturer

6. Course Overview and Objectives

Objective of the course is to gain professional abilities to create, implement, monitor, and evaluate viable and appropriate e-Governance and other ICTD project/programme through familiarizing real life cases of e-Governance and other ICTD projects/programme in developing countries. The course will be i“hands-on” and will be conducted as a “practicum” with ample discussions rather than series of lectures. Students taking the practicum are expected to actively participate in the discussions and other interactions which are expected during the course of the practicum.

The first half of the two parts of the practicum is dedicated to 1) conceptual understanding of the ICT and e-gov, historical evolution of the ICTD and e-Gov, Identification of potential ICTD/e-Gov projects, understand current theories of development projects, creation of donor Matrix, Identification of group project, and coming up with realistic socio-economic challenges for the group projects. The class will ensure students to acquire required fundamental knowledge to compile realistic projects at the second half of the practicum.

The second half of the two parts of the practicum is dedicated to create group project document and to simulate how to sell the project to potential supporters.

7. Course Outline

- 1 Introduction to the e-Governance/e-Government Practicum
- 2 Definition of the ICT for Development and its history
- 3 Definition of e-Governance and e-Government
- 4 Emerging Trends in e-Governance/Government -1
- 5 Emerging Trends in e-Governance/Government -2
- 6 Keys to effective e-Governance and e-Government Solutions/Projects -1
- 7 Keys to effective e-Governance and e-Government Solutions/Projects -2

- 8 Project Development/Implementation Theories
- 9 Donor Trends and Donor Matrix
- 10 Identification of e-Governance/e-Government Programme/Projects -1
- 11 Identification of e-Governance/e-Government Programme/Projects -2
- 12 Identification of Group e-Governance/e-Government Programme/Projects
- 13 Needs Assessment of Group Projects (Problem/Challenge Identification)
- 14 Introduction to the Project Document -1
- 15 Introduction to the Project Document -2
- 16

8. Textbooks (Required Books for this course)

TBD (Since this is practical course, no specific text book is assigned. However, reference/recommended project documents and other reading materials will be provided in lieu of the text books).

9. Reference Books (optional books for further study)

Various different reference materials will be provided during the course of the session.

10. Course Goals (Attainment Targets)

- (1) Understand and internalize concept of ICTD and e-Governance/Government
- (2) Familiarize idea generation method of potential e-Gov/ICTD projects
- (3) Familiarize needs identification methods of potential e-Gov/ICTD projects
- (4) Familiarize developmental trends (donor support) of targeted countries
- (5) Identify Group Project with associated socio-economic challenge(s)
- (6) Understand basic components of Project Document
- (7)
- (8)

11. Correspondence relationship between Educational goals and Course goals

Educational goals of the school		Course Goals	
High level ICT skills	Basic academic skills		
	Specialized knowledge and literacy	○	
Human skill (Tankyu skill)	Ability to continually improve own strengths	○	
	Ability to discover and resolve the problem in society	Problem setting	○
		Hypothesis planning	○
		Hypothesis testing	○
		Practice	○
	Fundamental Competencies for Working Persons	Ability to step forward	○
		Ability to think through	○
Ability to work in a team		○	
Professional ethics		○	

12. Evaluation

Goals	Evaluation method & point allocation					
	Examination	Quiz	Reports	Presentation	Deliverables	Other
(1)				○	○	
(2)				○	○	
(3)				○	○	
(4)				○	○	
(5)						
(6)						
(7)						
(8)						
Allocation				60	40	

13. Evaluation Criteria	
Examination	
Quiz	
Reports	
Presentation	Present assigned materials (deliverables) to the lecturer and to the class colleagues to further deepen understanding of subject matters
Deliverables	Create various deliverables which would demonstrate students' understanding of the concepts and subject matters.
Other	

14. Active Learning		
Hourly percentage of active learning within the whole class time		100%
1	Active learning such as problem solving assignment using the knowledge and skills acquired in class.	All the time
2	Active learning such as group works and discussions.	All the time
3	Outcome presentations and feedbacks.	All the time
4	Students actively make decisions on how the class should be conducted.	All the time

15. Notes

**please note that the class is planned to start at the last week of March (Intensive in-class sessions)*

16. Course plan

(Notice) This plan is tentative and might be changed at the time of delivery

Lesson 1: Introduction to the e-Governance/e-Government Practicum

(Lecture/Disussion 90,min)

- Expectation for the course and explanation of practicum structure
- General Introduction among group and expectations for the class

Lesson 2: Definition of the ICT for Development and its history

(Lecture/Disussion 90,min)

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- Conceptualization of ICT and ICT For Development
 - ICT for Development and its history

* Open discussion

about history of ICT for Development and how international communities and different developing countries have taken until now

Lesson 3: Definition of e-Governance and e-Government

(Lecture/Disussion/Presentation 90,min)

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- Conceptualization of definition of e-Governance and e-Government
 - Discuss difference between Governance and Government
 - Discuss difference between e-Governance and e-Government
 - * Open discussion of e-Governance and e-Government definition

Lesson 4: Emerging Trends in e-Governance/Government -1

(Lecture/Disussion/Presentation 90,min)

Discussion about emerging trends such as utilizing mobile for development

(Pandemic Mitigation, m-Government and m-Governance, Fintech, Big data/Open data, Deep Learning/AI, etc..)

* Open discussion of emerging trends in e-Governance/e-Government and their impact to both developed and developing world

Lesson 5: Emerging Trends in e-Governance/Government -2

(Lecture/Disussion/Presentation 90,min)

Discussion about emerging trends such as utilizing mobile for development

(Pandemic Mitigation, m-Government and m-Governance, Fintech, Big data/Open data, Deep Learning/AI, etc..)

* Open discussion of emerging trends in e-Governance/e-Government and their impact to both developed and developing world

Lesson 6: Keys to effective e-Governance and e-Government Solutions/Projects -1

(Lecture/Disussion/Presentation 90,min)

Open discussion of key for effective e-Governance and e-Government solutions

* Importance of Leadership (organization, government, etc.)

Lesson 7: Keys to effective e-Governance and e-Government Solutions/Projects -2

(Lecture/Disussion/Presentation 90,min)

Open discussion of key for effective e-Governance and e-Government solutions (continued)

* Appropriate Technology vs Disruptive Technology (what would be the most effective ways of implementing e-Governance/e-Government projects/solutions?)

Lesson 8: Project Development/Implementation Theories

(Lecture/Disussion/Presentation 90,min)

Discuss different theories for project development and implementation.
Introduction to Theory of Change, Logframe, etc.

Lesson 9: Donor Trends and Donor Matrix

(Lecture/Disussion/Presentation 90,min)

Discussion of Donor Trends and introduction to the resource mobilization through "Donor Matrix"

Lesson 10: Identification of e-Governance/e-Government Programme/Projects -1

(Lecture/Disussion/Presentation 90,min)

Identification of e-Government/e-Governance projects

- * Review of sample e-Governance projects from various different donors
 - * Discuss the difference between Programme and Projects

 - * Discussion of potential e-Government/e-Governance projects
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Lesson 11: Identification of e-Governance/e-Government Programme/Projects -2

(Lecture/Disussion/Presentation 90,min)

Identification of e-Government/e-Governance projects

Presentation of Tankyu charts for potential projects and class review

- * Open Discussion
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Lesson 12: Identification of Group e-Governance/e-Government
Programme/Projects

(Lecture/Disussion/Presentation 90,min)

Presentation and Review of identified Group Project.

Lesson 13: Needs Assesment (Problem/Challenge Identification)

(Lecture/Disussion/Presentation 90,min)

Review methdology for conducting effective needs assesment of socio-economic challenges.

Lesson 14:Introduction to the Project Document -1

(Lecture/Disussion/Presentation 90,min)

Review different outlines/components of Project Document(s)

- * Explanation of effective project documents (components and attributes)
- * Presentation of sample e-Governance/e-Government project documents from major donors.
- * Discussion of Outputs and Outcomes and respective indicators

Lesson 15: Introduction to the Project Document -2

(Lecture/Disussion/Presentation 90,min)

Review different outlines/components of Project Document(s)

- * Presentation of sample e-Governance/Government project documents from major donors (by students)
 - * Discussion of Outputs and Outcomes and respective indicators
 - * Presentation of sample project document templates from different donors
 - * Discussion"
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