



Training course outline

ITU and National Information Society Agency (NIA)

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| Title | Cloud computing-Based Government Innovation |
| Modality | Instructor-led online learning |
| Dates | 3-31 October |
| Duration | 4 weeks |
| Registration deadline | 2 October |
| Training fees | Free |
| Description | Cloud computing has become an important factor to realize innovation in government. In this context, government should introduce Cloud computing in government to government (G2G) and government for citizen (G4C) services to ensure effective and citizen-centered government. In this course, understanding of Cloud computing technology, cases of Cloud computing policies in major countries and key issues when introducing Cloud computing to public services will be covered. This course does not cover the detailed Cloud computing techniques. |
| Code | 22O127828ASP-E |

1.LEARNING OBJECTIVES

This course aims to understand basic concept of Cloud computing, cases of Cloud computing policies in major countries, and key issues and challenges when introducing Cloud computing to public services.

2. LEARNING OUTCOMES

Upon completion of this course, participants will be able to

- Understand the basic concept of Cloud computing technology
- Understand the cases of Cloud computing policies in major countries
- Strengthen policymaking capacity by understanding the need of Cloud computing in government services
- Build change management skills by understanding the issues and challenges when introducing Cloud computing to public services such as privacy and security.

3.TARGET POPULATION



The target audience for this course would be government officials and experts in the public administration, digital government, and ICT fields.

4.ENTRY REQUIREMENTS

No prior knowledge or qualification is required for this course.

5.TUTORS/INSTRUCTORS

| Name of tutor(s)/instructor(s) | Contact details |
|--------------------------------|-------------------|
| Jinwook KIM | coe_nia@nia.or.kr |

6.TRAINING COURSE CONTENTS

The topics covered in this course are

| Module | | Contents |
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| 1 | Basics of Cloud Services | 1-1. Basics of Cloud Services(Part 1) |
| | | 1-2. Basics of Cloud Services(Part 2) |
| 2 | Establishing and Implementing the Cloud Computing Policy in Korea | 2-1. Cloud computing policies in Korea and major countries |
| | | 2-2. Implementing the Cloud Computing policies in Korea |
| 3 | Method for Cloud Adoption | 3-1. Method for Cloud Adoption(Part 1) |
| | | 3-2. Method for Cloud Adoption(Part 2) |
| 4 | Adoption cases and issues of Cloud Computing | 4-1. Cloud Computing Adoption Cases |
| | | 4-2. Adoption issues of the Cloud Computing |

7.TRAINING COURSE SCHEDULE

| Week / Session | Topic | Exercises and interactions |
|----------------|---|---|
| Week 1 | Topic 1 Basics of Cloud Services | <p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 1 • (Discussion forum) Post his/her opinions on the discussion forum topic and respond to opinions suggested by other participants in the discussion • (Quiz) Complete a quiz for topic 1 <p>Week 1 Forum Topic: TBD</p> |



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| Week 2 | Topic 2 Establishing and Implementing the Cloud Computing Policy in Korea | <p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 2 • (Discussion forum) Post his/her opinions on the discussion forum topic and respond to opinions suggested by other participants in the discussion • (Quiz) Complete a quiz for topic 2 <p>Week 2 Forum Topic: TBD</p> |
| Week 3 | Topic 3 Method for Cloud Adoption / Topic 4. Adoption cases and issues of Cloud Computing | <p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 3 • (Discussion forum) Post his/her opinions on the discussion forum topic3, 4 and respond to opinions suggested by other participants in the discussion • (Quiz) Complete a quiz for topic 3,4 <p>Week 3 Forum Topic: TBD</p> |
| Week 4 | Individual Assignment | <p>This week, each participant has to:</p> <ul style="list-style-type: none"> • Prepare a short essay about key issues and strategies of Cloud computing in his/her country |

8.METHODOLOGY (Didactic approach)

This course will be delivered using instructor-led online learning. The course is delivered using power-point slides posted on the course page and selected reference materials that the participants have to study each week, participate in scheduled activities and undertake self-assessments. Students will reinforce their understanding of the topics studied by drawing on their specific environments and are encouraged to consult with experienced colleagues who are working on a relevant topic. The following methods will be used for this course

- Self-study of PPTs and reference materials
- Instructor led presentations made through YouTube
- Interactive forum discussions



- Quizzes
- Individual assignment

9.EVALUATION AND GRADING

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| Students performance in this course will be determined using a combination of grades for the participation in discussion forums, self-assessment quizzes, and the personal assignment. The evaluation details and criteria for certificates is as follows. Quiz #1 | 15% |
| Quiz #2 | 15% |
| Quiz #3 | 15% |
| Quiz #4 | 15% |
| Individual Assignment | 20% |
| Discussion Forums | 20% |
| Total Evaluation: | 100% |

Total Evaluation: 100%

IMPORTANT: A PASSING MARK OF 60% IS REQUIRED FOR OBTAINING A COMPLETION CERTIFICATE.

10.TRAINING COURSE COORDINATION

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| Course coordinator: Name: Jinwook KIM Email address: coe_nia@nia.or.kr | ITU coordinator: Name: Mr. Sean Doral Email address: sean.doral@itu.int |
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