Deputy of training

Plan and curriculums office

Competency Training standard

Title

Executive Overview of Activity-Based Intelligence (ABI)

Occupational group

Information Technology

International code

2529-53-101-1

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National code: **2529-53-101-1**

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Revision Process:

- Scientific content
- According to market
- Equipment
- Tools

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Definitions:

Job standard:

The characteristics ' required competencies and abilities for Efficient Performance in work environment is called "the Job standard", and sometimes "The Occupational standard"

Training standard:

The Training Map for achieving the Job's subset Competencies.

Job title:

Is a set of Tasks and Abilities which is expected from an employed person in the defined level

Job description:

A statement covering the most important elements of a job, namely the position or title of the job, the duties, job's relation with other jobs in a occupational field, the responsibilities, workplace conditions and required performance standards.

Course duration:

The minimum of time which is required to achieve the training objects.

Admission requirements:

The minimum of competencies and abilities which are obligatory for a potential admission.

Evaluation:

The process of collecting evidence and judgment about wetter a competency is achieved or not. Include: written examination, practical examination

Required Qualifications for Trainers:

The minimum of Trainer's technical and vocational abilities which the trainer is required to have.

Competency:

The ability of efficient performing a duty in a variety of workplaces conditions

Knowledge:

The minimum set of facts and mental capacities which is necessary for achieving a competency. This can include science, (Mathematics, physics, chemistry or biology), technology or technical.

Skill:

The minimum coordination between mind and body for achieving an ability or competency. It normally applied to practical skills.

Attitude:

A set of emotional behaviors required for achieving a competency and can have non-technical skills and occupational ethics.

Safety:

The cases which doing or not doing something can cause harm or accident

Environmental Consideration:

A set of consideration about the act which should be done to minimize the environmental damage or pollution.

Competency Title:
Executive Overview of Activity-Based Intelligence (ABI)
Competency Description:
ABI is a new methodology for technology-enabled problem solving developed by the intelligence community for real-time integration of large, diverse disparate data (Big Data) streams. In addition, ABI is a Multiple Intelligence Sources (Multi-INT) approach to activity and transactional data analysis used to resolve unknowns [unknowns], develop object and network knowledge, and drive collection. This half-day course exposes you to ABI concepts, technology trends, and how to enable ABI in your organization. • Effectively communicate the value proposition of ABI • Conceptually understand the value of ABI compared to other contemporary data mining and analysis methods • Identify strategies for incorporating ABI into your business processes • Explore suitable ABI use cases
Admission Requirements:
minimum degree of education: Computer or IT related Bachelor minimum physical and mental ability:- prerequisite skills:-
Course duration:
Course duration : 30 hours *-theoretical: 10 hours* *-practical: 20 hours* *-apprenticeship:… hours* *-project:… hours*
Course Evaluation :(%)
Written:25% **Practical:65%** **Work ethics:10%**
IRANTVTO Evaluation :(%)
Written Examination:25% **Practical Examination:65%** **Ethics:10%**
Computer or IT related Bachelor with 2 years experience

Competency training standard

Tasks

`	Title
1	**Introduction to ABI**
2	**The History of ABI** **Why ABI was developed**
3	**Data Preparation Strategies** **Pillar 1: Georeference to Discover**
4	**Pillar 2: Integrate Before Exploit**
5	**Data Analysis Principles** **Pillar 3: Sequence Neutrality**
6	**Pillar 4: Data Neutrality**
7	**The Future of ABI** **Enabling Activity-Based Intelligence**

Training standard

Contents analysis form

Title:	time			
Introduction to ABI	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration		Equipments ,tools, materials ,books

Knowledge and Skill:	Determined by the instructor			According to the trainer
• What is ABI?				
• Why are you here?				
• What is the value proposition for ABI?				
• How does ABI differ from what your organization may be doing today				

Attitude: Speed and accuracy in doing the right thing

Health & Safety: Compliance with safety protection in the workplace

Environmental Consideration: Compliance with environmental protection

Training standard

Contents analysis form

<table>
<tr><td rowspan="2">Title:
The History of ABI
Why ABI was developed</td><td colspan="3">time</td><td rowspan="2"></td></tr>
<tr><td>theoretical</td><td>practical</td><td>total</td></tr>
<tr><td></td><td colspan="3">Determined by the instructor</td><td></td></tr>
<tr><td colspan="4">Knowledge ,skill ,attitude ,safety, Environmental Consideration</td><td>Equipments ,tools, materials ,books</td></tr>
<tr><td>Knowledge and Skill:
Discovering the "unknown unknowns"
The need for intelligence in data disparate environments
Understanding Patterns of Life (PoL)
ABI as an evolving definition</td><td colspan="3">Determined by the instructor

</td><td rowspan="4">According to the trainer</td></tr>
<tr><td>Attitude:
Speed and accuracy in doing the right thing</td><td colspan="3"></td></tr>
<tr><td>Health & Safety:
Compliance with safety protection in the workplace</td><td colspan="3"></td></tr>
<tr><td>Environmental Consideration:
Compliance with environmental protection</td><td colspan="3"></td></tr>
</table>

Training standard

Contents analysis form

<table>
<tr><td rowspan="2">Title:
Data Preparation Strategies
Pillar 1: Georeference to Discover</td><td colspan="3">time</td><td rowspan="2"></td></tr>
<tr><td>theoretical</td><td>practical</td><td>total</td></tr>
<tr><td></td><td colspan="3">Determined by the instructor</td><td></td></tr>
<tr><td colspan="4">Knowledge ,skill ,attitude ,safety, Environmental Consideration</td><td>Equipments ,tools, materials ,books</td></tr>
<tr><td rowspan="2">Knowledge and Skill:
Enabling data discovery
Concepts for location-driven exploitation</td><td colspan="3">Determined by the instructor</td><td rowspan="7">According to the trainer</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
<tr><td>Attitude:
Speed and accuracy in doing the right thing</td><td></td><td></td><td></td></tr>
<tr><td>Health & Safety:
Compliance with safety protection in the workplace</td><td></td><td></td><td></td></tr>
<tr><td>Environmental Consideration:
Compliance with environmental protection</td><td></td><td></td><td></td></tr>
</table>

Training standard

Contents analysis form

Title: Pillar 2: Integrate Before Exploit	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: • Understanding your data • Concepts for non-linear analysis	Determined by the instructor			According to the trainer
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

<table>
<tr><td rowspan="2">Title:
Data Analysis Principles
Pillar 3: Sequence Neutrality</td><td colspan="3">time</td><td rowspan="3"></td></tr>
<tr><td>theoretical</td><td>practical</td><td>total</td></tr>
<tr><td colspan="3">Determined by the instructor</td></tr>
<tr><td colspan="4">Knowledge ,skill ,attitude ,safety, Environmental Consideration</td><td>Equipments ,tools, materials ,books</td></tr>
<tr><td rowspan="5">Knowledge and Skill:
• Data-driven discovery
• Concepts for forensic data analysis</td><td colspan="3">Determined by the instructor</td><td rowspan="5">According to the trainer</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td colspan="4">Attitude:
Speed and accuracy in doing the right thing</td><td></td></tr>
<tr><td colspan="4">Health & Safety:
Compliance with safety protection in the workplace</td><td></td></tr>
<tr><td colspan="4">Environmental Consideration:
Compliance with environmental protection</td><td></td></tr>
</table>

Training standard

Contents analysis form

Title:	time			
Pillar 4: Data Neutrality	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: • Harnessing data diversity • Concepts for geotemporal correlation	Determined by the instructor			According to the trainer
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

<table>
<tr><td rowspan="2">Title:
The Future of ABI
Enabling Activity-Based Intelligence</td><td colspan="3">time</td><td rowspan="2"></td></tr>
<tr><td>theoretical</td><td>practical</td><td>total</td></tr>
<tr><td></td><td colspan="3">Determined by the instructor</td><td></td></tr>
<tr><td colspan="4">Knowledge ,skill ,attitude ,safety, Environmental Consideration</td><td>Equipments ,tools, materials ,books</td></tr>
<tr><td rowspan="5">Knowledge and Skill:
• Technology trends and gaps
• Skill sets required for success
• Addressing emerging needs for ABI
• Developing evaluation criteria for ABI capabilities</td><td colspan="3">Determined by the instructor</td><td rowspan="8">According to the trainer</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td colspan="4">Attitude:
Speed and accuracy in doing the right thing</td></tr>
<tr><td colspan="4">Health & Safety:
Compliance with safety protection in the workplace</td></tr>
<tr><td colspan="4">Environmental Consideration:
Compliance with environmental protection</td></tr>
</table>