



Deputy of training Plan and curriculums office

Competency Training standard

Title Activity-Based Intelligence (ABI) Programming in the Field

Occupational group

Information Technology

International code

2529-53-104-1

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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:

Activity-Based Intelligence (ABI) Programming in the Field

Competency Description:

This course is an immersive scenario-based training event, designed to test your tenacity as a full-stack ABI developer. This advanced programming class teaches lean development techniques using XP (Extreme Programming) concepts. In this course, you hone your programming and customer engagement skills to rapidly develop target-based analytics in a realistic, operational environment.

- Efficiently build high-impact applications alongside analysts
- Decompose ABI analyst workflow into technical requirements
- Refine and improve ABI applications as mission evolves
- Navigate IT and security constrained technical environments

Admission Requirements:

minimum degree of education: Computer or IT related Bachelor minimum physical and mental ability:prerequisite skills:-

Course duration:

Course duration: 50 hours

-theoretical: 15 hours -practical: 35 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	Joint Developer/Analyst Workshop Capstone Scenario
	In this workshop, Analysts and Developers will confront a real-life, quick-
	response scenario.
2	Cultivating Technical Programming Skills and Techniques:
3	Building Tools that Enable Analysts to Make Correlations Across Data Types:
4	Developing Intangible Qualities for Technical Success

Training standard Contents analysis form

Title:	time			
Joint Developer/Analyst Workshop Capstone Scenario	theoretical	practical	total	
In this workshop, Analysts and		*		
Developers will confront a real-life,	Determined	by the inst	tructor	
quick-response scenario.				
Knowledge ,skill ,attitude ,safety, Env	ironmental C	onsideratio	on	Equipments ,tools, materials ,books
Knowledge and Skill:	Determined	by the inst	tructor	According to the
 Work in a team with other 				trainer
developers and analysts				
(product owners/end users)				
 Deliver tools based on 				
analyst requirements as				
driven by the scenario				
Offer potential technical adultions to applytic				
solutions to analytic challenges				
Contribute to analytic				
progress through capstone				
scenario through software				
tool development				
Practice extreme				
programming (XP)				
techniques in a realistic				
environment				
 Get exposure to operational 				
requirements and available				
technologies and data sources				
• Engage with end users to				
develop a quick-turn solution				
to their technical challenges				
Impart technical concepts to				
analyst counterparts in order to explain tool				
function/technology options				
 Experience how software 				
development can speed up				
operational success				
• Experiment with strategies				
and techniques for rapid				
prototyping				
Attitude:				
Speed and accuracy in doing the right	thing			
Health & Safety:				
Compliance with safety protection in the workplace				
Environmental Consideration:				
Compliance with environmental protect	ction			

Training standard Contents analysis form

time				
theoretical	practical	total		
Determined	by the ins	tructor		
Knowledge ,skill ,attitude ,safety, Environmental Consideration				
Determined by the instructor			According to the	
			trainer	
		1		
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the workplace				
Environmental Consideration:				
Compliance with environmental protection				
	theoretical Determined ironmental C Determined thing	theoretical practical Determined by the ins ironmental Consideration Determined by the ins thing the workplace	theoretical practical total Determined by the instructor Determined by the instructor thing the workplace	

Training standard

Contents analysis form

Title:	time			
Building Tools that Enable Analysts	theoretical	practical	total	
to Make Correlations Across Data	Determined	•	tructor	
Types:	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Env	Equipments ,tools, materials ,books			
Knowledge and Skill:	Determined by the instructor			According to the
Extracting relevant context				trainer
from multiple data streams				
Uncovering clues from social				-
media sources				
Attitude:				
Speed and accuracy in doing the right				
Health & Safety:	-			
Compliance with safety protection in the workplace				
Environmental Consideration:				
Compliance with environmental protection				

Training standard

Contents analysis form

Title:	time			
Developing Intangible Qualities for	theoretical	practical	total	
Technical Success	Determined	by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Env	Equipments ,tools, materials ,books			
Knowledge and Skill:	Determined by the instructor			According to the
 Decompose ABI analytic 				trainer
needs into technical				
requirements				
 Prove your effectiveness in 				
high-operational temp, high-				
pressure environment				
Attitude:				
Speed and accuracy in doing the right				
Health & Safety:				
Compliance with safety protection in the workplace				
Environmental Consideration:				
Compliance with environmental protection				