CERTIFICATE SUPPLEMENT
EITCA/KC/KVG20004552

Certificate ID: EITCA/KC/KVG20004552
Certificate type: The European Information Technologies Certification Academy Programme
Academy name: EITCA Information Technologies Key Competencies Programme (EITCA/KC)
Issue date: May 2020
Holder's name: Natalia Forys
Holder's country: Poland
Examination center: CompSecur Sp. z o.o., Wroclaw, Poland
Earned ECTS credits: 10

EITCA/KC Programme (version/revision: v4r2) component EITC Certificates: **Result:**

EITC/BI/MSO10 Office software fundamentals (Microsoft Office 2010)
EITC Certificate number: EITC/BI/MSO10/KVG20004552 — 91%

Certificate Programme description: > Microsoft Office Word: Introduction: main window, ribbon, Microsoft Office Button, Quick Access toolbar, printable and nonprintable characters, ruler, paragraph, indentation, margins, navigation, keyboard shortcuts; Document creation and edition: simple editing (copy, paste, cut), text formatting (font type, style, size), text alignment, line spacing, bullets and numbering (multilevel lists), auto-formatting (styles, table of contents, footnotes); Tables: creation methods, selection in tables, automatic formatting, table properties, text in a cell, AutoFit, cell size adjustment, graphical formatting; Objects in document: images (inserting and formatting), shapes (shape selection menu, categories of shapes, shape formatting, text in shapes), footer and header, SmartArts (inserting, categories, editing and formatting) > Microsoft Office Excel: Introduction: basic definitions and concepts (cell, cell edition, formulas), sample formulas, cell references (relative, absolute), cell formatting (number formats, graphical formatting); Usage of spreadsheets in business: sample formulas and functions (basic, statistical, financial, etc.), pivot tables (creation, filters, row and column labels, values, functionality), data grouping, data sorting, data validation (validation criteria, messages); Charts: chart creation, chart data, chart types, chart as an object (design, layout and format tabs), chart graphical and 3D formatting, sample charts; Excel options, module installation and usage (Solver tool example); Visual Basic language in Excel: basic concepts in VB (variables and arrays, procedures and functions, conditional statements, loops, cell and sheet access), macros (VB editor, defining events, creation, running and examples of macros) > Microsoft Office Power Point: Introduction: main window, slide, notes, fields on a slide; Creating a presentation: title slide, creating and editing a slide (types of slide layouts), themes (theme editing), slide show; Objects on a slide: inserting and editing objects, usage examples (formatting, many shapes insertion, shape connectors), objects overlapping, editing objects (shapes, SmartArts, images, tables); Object animation and transitions between slides: animation definition, animation modification (custom animation, auto-preview, animation effects, animation parameters, timing, triggers), adding and editing transitions between slides (single transition, transition parameters); Spell checking in MS Office (error corrections, dictionary); Slide Sorter view (slide operations: move, duplicate, copy, paste, delete); Printing (print types); Help in Microsoft Office (search for help topics, online and offline mode)
Certificate Programme version/revision: EITC/BI/MSO10v1r1

EITC/BI/BAS Business and administration software
EITC Certificate number: EITC/BI/BAS/KVG20004552 — 78%

Certificate Programme description: Introduction to knowledge associated with computerization of business / administration: needs and potential for computerization in institutions (objectives of an institution, business areas, benefits of computerization), business requirements analysis, problem of information security; information and communication technologies solutions overview: information and communication infrastructure, software support for main business processes, software for enterprise management, complex ERP systems, other solutions based on information technologies (real time collaboration software, internet based communication solutions, mobile solutions, systems of authorization and access control, monitoring systems), customer relationship management - CRM systems: introduction and overview of CRM systems functionality, exemplary CRM systems (installation, configuration and system administration, customers, sales, graphs and reports, calendar and activities organization, auxiliary tools and interface organization), Internet telephony: VoIP technology, benefits and problems related to usage of Internet telephony, VoIP devices, Internet telephony market, VoIP in practice - using VoIP software and hardware
Certificate Programme version/revision: EITC/BI/BASv1r2

EITC/INT/ITAF Internet technologies and applications fundamentals
EITC Certificate number: EITC/INT/ITAF/KVG20004552 — 83%

Certificate Programme description: Websites: operating principles, WWW and HTTP architecture, web browsers (search mechanisms, image search), secure login to the services (authorization and authentication, SSL certificates); Creation of a simple website: the basics of HTML and CSS; Network dataflow: FTP, web services for file sharing, networking basics (IP, Wireless, Voice over Internet Protocol), text terminals telnet protocol, SSH protocol, remote connection applications; Efficient searching for information on the web: online maps applications, open encyclopedia (content co-authoring); advertising portals, online videos, news on the Internet, Internet translators (operation mechanisms, content translation); Internet communication tools: text messaging, electronic mail (theoretical fundamentals), online collaboration systems (Google Apps), video and audio communicators; Information society: definition, groups, blogs, Web 2.0 paradigm; Advertising on the Internet: advantages and disadvantages, contextual advertising, Google AdWords, Google AdSense, basics of web positioning; Formal aspects of information processing on the Internet: legal acts and regulations concerning processing of information on the Internet, copyrights
Certificate Programme version/revision: EITC/INT/ITAFv1r2

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EITC/SE/CPF Computer programming fundamentals

63%

EITC Certificate number: EITC/SE/CPF/KVG20004552

Certificate Programme description: Introduction to object-oriented and event-driven programming: variables and data types, overview of programming paradigms (imperative, procedural, structural, object-oriented and event-driven programming), idea of object-oriented programming (classes and objects, inheritance and polymorphism); Programming in C# on Microsoft .NET platform: .NET Framework, Visual Studio .NET programming environment, syntax and semantics of C# language (program structure, variables and data types, operations and operators, functions, methods, imperative data-flow structures), console applications, object aspect of C# language, object model of .NET environment, classes and objects in C#, creation of window-based applications (Windows Forms object model, forms, controls and attributes, event handling implementation); code re-usage and open-source software: object-oriented programming and code re-usage, free software idea, social networks programming
Certificate Programme version/revision: EITC/SE/CPFv1r2

EITC/DB/DDEF Databases and data engineering fundamentals

80%

EITC Certificate number: EITC/DB/DDEF/KVG20004552

Certificate Programme description: Introduction: database requirements, characteristics of databases, database technology, data model, database systems (RDBMS), interaction and communication with the database and implementation technology of database applications (communications architecture); Relational databases: data structure, integrity constraints, data operations, data representation (rules of entities transformation into relational model); Introduction to SQL query language: SQL as a declarative language, database queries (projection, expression, aliases, duplicates elimination, sorting results of a query, selection); preparation of a laboratory environment; SQL functions: aggregate functions, operators, set operators (join, outer join), subqueries (subqueries types), insertion of tuples into relation, modification and deletion of tuples from relation; Microsoft Office Access: database creation (defining relationships between tables, field formatting), queries, reports wizard, forms, external data (data export, data import); Artificial Intelligence: decision support systems (expert systems, data mining), semantic networks; Normalization: normal forms (first normal form, second normal form, third normal form)
Certificate Programme version/revision: EITC/DB/DDEFv1r2

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