## 1. Title of the certificate [1]

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης  Επιπέδου 5. Ειδικότητα Ι.Ε.Κ.:
ΕΙΔΙΚΟΣ ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ**

## 2. Translated title of the certificate [2]

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5. Specialty of I.E.K.:
IT APPLICATION SPECIALIST**

## 3. Profile of skills and competences

LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES).
A typical holder of the certificate is able to:
KNOWLEDGE
- Describe the structure and architecture of IT systems and computer networks, discern and analyse hardware, software, and services.
- Indicate the basic principles of programming languages, and analyse the structures, variables, and functions which must be used to develop an IT project.
- Distinguish the differences between procedural, object-oriented and visual programming.
- Identify the categories, basic features and capabilities of major operating systems (MS-DOS, Windows, Unix, Linux, Mac OS X).
- Name the individual computing devices in a communications network and analyse their operations, without referring to manuals.
- Distinguish the various database organisation models and describe the architecture levels of a database.
- Identify protocols, processes and services of the World Wide Web.

SKILLS
- Install and manage the appropriate system software, office automation software and application software of computer systems in accordance with the manufacturer's instructions.
- Adequately manage the database system of IT systems and independent PCs, in Windows and non-Windows environment.
- Manage integrated development environments (IDEs) in order to create software applications.
- Maintain computers and their software based on the manufacturer's manuals, without supervision.

COMPETENCES
- Propose the appropriate software development methodology and the tools necessary for the development of IT applications.
- Develop software applications using IDEs and implement the appropriate algorithms.
- Take necessary measures to protect IT systems and independent computers from potential threats.
- Effectively collaborate with computer users and administrators of IT systems to support and adequately maintain the installed applications and respective hardware.

## 4. Range of occupations accessible to the holder of the certificate [3]

The VET graduate of this specialty can work in the fields of software application development, support, operation and maintenance or IT products sales, in the public and private sector, either as employee or freelancer.
The Vocational Training Diploma is recognised as a qualification for appointment in the public sector according to the Presidential Decree no. 50/2001 (Greek Official Gazette 39/Vol. A/5-3-2001), as in effect.

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## 5. Official basis of the certificate

### Body awarding the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of Qualifications and Vocational Guidance)
41 Ethnikis Antistaseos Avenue, 142 34 N. Ionia
https://www.eoppep.gr

### Authority providing accreditation / recognition of the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of Qualifications and Vocational Guidance)
41 Ethnikis Antistaseos Avenue, 142 34 N. Ionia
https://www.eoppep.gr

### Level of the certificate (national or European) [1]

Level 5 National and European Qualifications Framework

### Grading scale / Pass requirements

a) acquisition of the Vocational Training Certificate (V.E.K.) after successful completion of study at the Vocational Training Institute (I.E.K.)
b) acquisition of the Vocational Training Diploma after:
1. success in the theoretical part of Initial Vocational Training certification examinations (Grading scale = 1-20, Pass = 10) and
2. success in the practical part of the Initial Vocational Training certification examinations (Pass/Fail)

### Access to next level of education / training [1]

Yes

### International agreements on recognition of qualifications [1]

No

### Legal basis

Law 2009/1992 on the National System of Vocational Education and Training
Law 4186/2013 on the Restructure of Secondary Education
Law 4763/2020 on National System of Vocational Education, Training and Lifelong Learning

## 6. Officially recognised ways of acquiring the certificate

Success in the Initial Vocational Training certification examinations. Total duration of the education / training leading to the certificate: 4 semesters (until law 4186/2013) / 5 semesters (after law 4186/2013).

## 7. Additional information

### Entry requirements [1]

Certificate of Upper Secondary School. Qualification of Level 4 (NQF/EQF) // Certificate Vocational Training School (SEK) – Qualification of Level 3 (NQF/EQF)

Following the voting of L. 4763/2020, only by an Upper Secondary Education certificate or an equivalent title of studies (Qualification of Level 4 NQF/EQF)

Indicative subjects taught:
Basic vocational training: English, Introduction to Information Science, Algorithmic and Data Structures I, Computer Architecture, Operating Systems, Data Communication and Internet Technologies I, Communication Techniques and Entrepreneurship.

Specialty subjects: Specialised English II & III, Algorithmic and Data Structures II, Databases I, II & III, Software Technology and Applications, Programming Language II, III, IV & V, Computer Networks I & II, Legislation (Sensitive Personal Data, Copyright, Innovations), Interdisciplinar Project.

### More information

National Qualifications Framework : https://nqf.gov.gr/ and https://proson.eoppep.gr/en

National Europass Centre: **EL/NEC - E.O.P.P.E.P.** National Organisation for the Certification of Qualifications and Vocational Guidance EOPPEP Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia. T.0030 2102709000 europass@eoppep.gr
http://europass.eoppep.gr    www.eoppep.gr

[1] If applicable.