DEVOPS
DEVOPS COMPETENCES FOR SMART CITIES

Smart DevOps MOOC

The world's first MOOC for Smart City:
Planners
IT Managers
IT Officers

Starts October 19th 2020

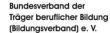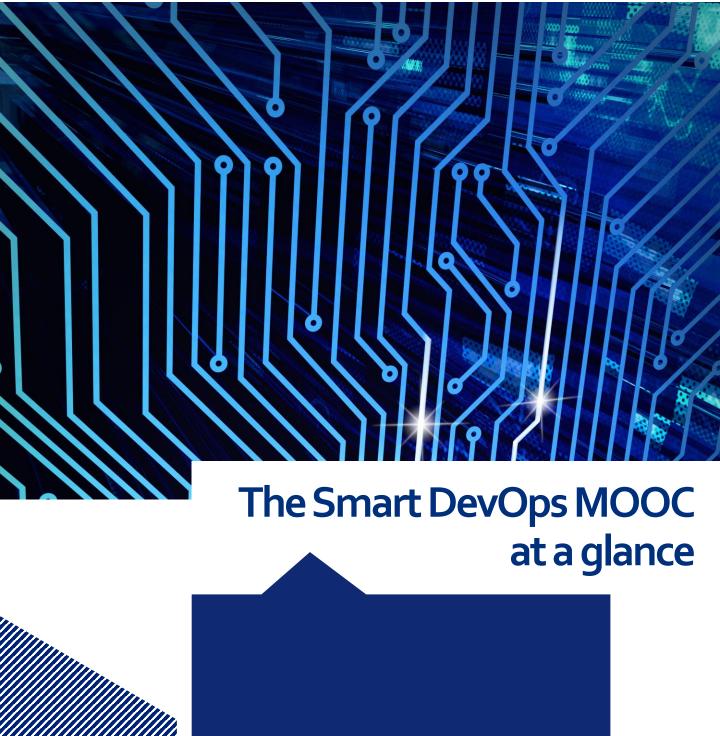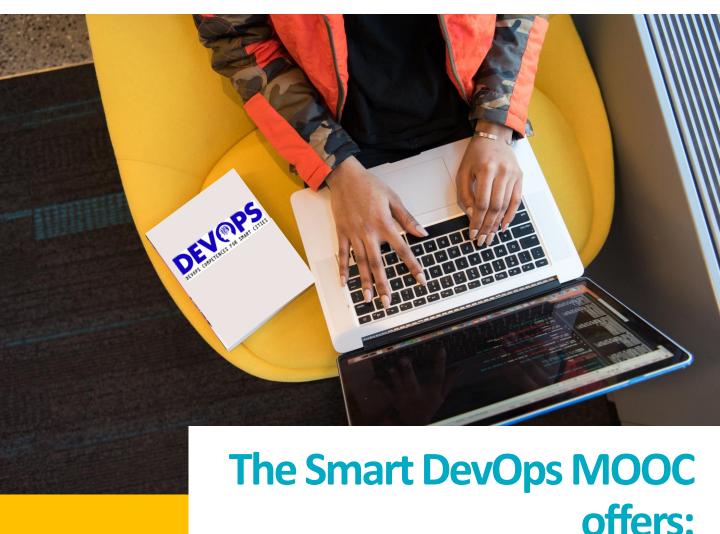# The Smart DevOps MOOC at a glance

Classes start: 19 October 2020
Classes end: 18 January 2021
Estimated effort: 5-10 hours per week (approx. 80 hours in total)
Level: Beginner
Language: English

The Smart DevOps MOOC offers:

- **state-of-the-art curricula** developed and delivered by experts under high standards of quality assurance
- **15 modules** delivering transferrable and digital skills for Smart City professionals
- **a flexible weekly workload and schedule**
- **personalised support** provided by experienced lecturers
- opportunity to **meet, connect and network** with peers from all over Europe and beyond
- **certification** in accordance with the European and national qualification frameworks and the European credit system for vocational education
- opportunity for participants who will successfully complete the MOOC to **enlist in specialised training for Smart City Planner, Smart City IT Manager and Smart City IT Officer**.

REGISTER for the Smart DevOps MOOC

https://devops.uth.gr/dev/mooc-registration/

The online course was developed and is organized by experts of the Erasmus+ Sector Skills Alliance project titled DevOps Competences for Smart Cities MOOC (project number 601015-EPP-1-2018-1-EL-EPPKA2-SSA). The aim of the project is the professional development through appropriate training of the personnel who work or will work in municipalities, which are gradually transformed into Smart Cities.

This will be achieved with upskilling them with new IT skills and knowledge that are required for smart city management, such as the DevOps methodology.

One of the main project's objectives is to define new job profiles, for those who plan to work as smart city professional. These new job profiles are:

- Smart City Planner
- Smart City IT Manager
- Smart City IT Officer

Prerequisites?

No prior DevOps expertise is necessary!

Course Completion and Certification

A participant successfully completes a module if they have a grade of 60% or higher.

A participant who completes all courses successfully will be awarded a Certificate of Completion and will qualify for a second round of specialized training (no fees).

In the DevOps Competences for Smart Cities MOOC participants will:

- learn new ways software is designed and delivered today
- get an overview of smart city ecosystem including platforms, business models and financial management
- be introduced to new technologies (Cloud Computing, IOT, Data Analytics).

NO FEES APPLY

Syllabus

Week	Starting Date	Module
1	19/10/2020	Creativity
2	26/10/2020	DevOps Basic Concepts, Culture and Practices
3	02/11/2020	Entrepreneurial Thinking
4	09/11/2020	Basic Concepts of Cloud Computing
	09/11/2020	Basic Concepts of Data Analytics
5	16/11/2020	Project & Process Management (part 1)
	16/11/2020	Stakeholder Management
6	23/11/2020	Software Development Life Cycles and Agile Methods
	23/11/2020	Ability to Work in Teams
7	30/11/2020	Reflection Week
8	07/12/2020	Strategic Vision
	07/12/2020	Smart Cities Platforms
9	14/12/2020	Basic Concepts of Internet of Things
	14/12/2020	Social Skills
10	04/01/2021	System and Software Architecture
	04/01/2021	Smart Cities Business Models and Financial Management
11	11/01/2021	Reflection Week

Trainers

ACCIARI Mario

13. Social Skills

Mario Acciarri has many years of experience in the field of communication and socio-economic research. Over the years, he has taken part in numerous national and transnational research projects. He has collaborated with the University of Perugia and has worked as an expert lecturer in adult education courses.

ANTHOPOULOS Leonidas (University of Thessaly)

3. Entrepreneurial Thinking
15. Smart Cities Business Models and Financial Management

Prof. Leonidas Anthopoulos is Professor at the Department of Business Administration, University of Thessaly, Greece. He also serves as a Special Advisor of the Mayor of Trikala, Greece and he has an extensive research and management experience of complex ICT projects such as the smart city projects. During his current mission and at his previous job positions (as an Expert Counselor at the Greek Ministry of Foreign Affairs, as an ICT project manager at the Information Society S.A. (Greece)) he planned and supervised several critical projects. He is a member of ITU United for Smart and Sustainable Cities Group (co-rapporteur of Q5 of the SG20), he is the head of the Smart and Sustainable cities' working group for the Greek Standards, the Associate Editor of the IET Smart Cities journal etc. He is the author and editor of several book collections, which can be located in Cities, Technological Forecasting and Social Change and Government Information Quarterly (ElSevier), ACM Computing Surveys, monograph for Springer etc. His research interests concern, among others, smart city, e-Government, Enterprise Architecture, Strategic Management, etc.

DAMASIOTIS Vyron (University of Thessaly)

7. Stakeholder Management

Dr. Vyron Damasiotis graduated from the Department of Mathematics of the University of Ioannina, Greece. Acquired his M.Sc. in Distributed Systems and High-Speed Networks from the Department of Computing Science, Oxford Brookes University UK and his PhD in Modelling Software Project management Complexity from Staffordshire University, UK. He holds the position of Assistant Professor at University of Thessaly (UTH), Greece (since 2019). He worked as software developer in various EU/National research projects and as part time lecturer at University of Applied sciences of Thessaly. His research interests include: Software project complexity, Project Complexity, Project Management, Software Development and IT competencies for professional accountants**.**

DEKOULOU Paraskevi (Evi) (University of Nicosia)

1. Creativity
9. Ability to work in a Team

Dr. Paraskevi Dekoulou lectures at the Business School of the University of Nicosia on "Creativity and Innovation", "Global Marketing" and "Social Entrepreneurship". She is also a part-time lecturer in marketing, media management and cultural economics at the Cyprus University of Technology and the Hellenic Open University. She has a PhD Degree in Organizational Learning and Knowledge Management from Aristotle University of Thessaloniki.

FITSILIS Panos (University of Thessaly)

2. DevOps basic concepts
6. Project and Process Management

Prof. Dr. Panos Fitsilis is a full Professor at University of Thessaly (UTH), Greece and a Lecturer at Hellenic Open University (HOU). Prof. P. Fitsilis has extensive project management experience in more than 50 research or commercial projects on the development and deployment of large IT systems and extensive management experience in various senior management positions such as: Director of School of Business and Economics at UAST, Vice President of UAST Research Committee, Head of Project Management department at UAST, Director of Research Laboratory «Business Information Systems and eCommerce», Head of Business Unit at Intrasoft International, a large international IT company, etc. During his work as Business Unit manager at Intrasoft International he was responsible for the development, deployment and operation of a number of prestigious IT systems for European Commission, (CORDIS, and Electronic Proposal Submission System - EPSS), European Parliament, European Central Bank, etc. He has published extensively, over 100 papers published at scientific journals and international conferences and his research interests include Project Management, Entrepreneurship and Innovation, Software Engineering, Business Information Systems, Social Media Applications, Smart Cities, etc.

K-DIGITALE SRL

11. Smart cities platforms
14. System and Software Architecture

K-Digitale is an innovative Italian startup created to respond to the Digital Transformation request of companies and the public administration.
For our customers we design new business models based on Digital Platforms, which we have designed and built for the management of the Digital Company, Industry 4.0 and Smart City.
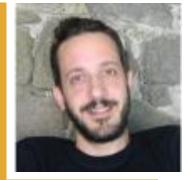www.k-digitale.com
info@k-digitale.com

GEROGIANNIS Vassilis C. (University of Thessaly)

3. Entrepreneurial Thinking
8. Software development lifecycle

Prof. Vassilis Gerogiannis is a full time Professor at the Department. of Digital Systems, University of Thessaly, Adjunct Professor at the Hellenic Open University. And Visiting Professor at IPAG Business School (France), American University of Beirut (Lebanon). He holds a Diploma in Computer Engineering and a PhD in Software Engineering (University of Patras). He participates in several R&D and educational projects. Author/co-author of over 120 papers published in international journals/conference proceedings and cited in a plethora of citations. And he is co-author/editor of three scientific books. Currently he is Member of the Management Board of the Hellenic National Academic Recognition Information Centre (NARIC), Member of the Council for Research & Innovation in Thessaly, Member of the Management Committee of the Entrepreneurship & Innovation Research Institute of the Research Center IASON at the University of Thessaly, Member of the Management Committee of the Technical Chamber Central and Western Greece, Member of the Central Assembly of the Technical Chamber of Greece, as well as Member of the Scientific Committee of Electronics Engineers in the Technical Chamber of Greece.

KIOUVREKIS Yiannis

5. Basic concepts of Data Analytics

Yiannis Kiouvrekis is a researcher in National Technical University of Athens (NTUA) since 2014. He is a member of the Logic and Formal Methods Group and his research interests focus on Logic, Logic Programming, STEAM, and application of Logic in Statistics. Yiannis Kiouvrekis has received his Diploma Degree from the Department of Mathematics of NTUA, Master Degree "Applied Mathematical Analysis" from NTUA, and his PhD from Dep. Of Mathematics of NTUA. He has published papers on the role of Argumentation Theory in Decision Theory, with areas of application in the procedure of mathematical modeling and Statistics. Currently he is an adjunct faculty member of University of West Attica and the University of Nicosia.

KOKKINAKI Angelika I. (University of Nicosia)

1. Creativity
9. Ability to work in a Team
15. Smart Cities Business Models and Financial Management

Prof. Kokkinaki has a Ph.D. in Computer Science, Suma Cum Laude from the Centre for Advanced Computer Studies, Lafayette, University of Southwestern Louisiana - USL, (now renamed to University of Louisiana at Lafayette - ULL), USA, 1995; a M.Sc. in Computer Science, Cum Laude, Department of Computer Science, Northeastern University, Boston, MA, 1991; and a BEng in Computer Engineering and Informatics, Patras University, Patras Greece. She serves as the Dean of the School of Business and teaches courses on E-business, Digital Transformation and Business Information Systems.

PALINI Valerio

4. Basic concepts of Cloud Computing

Mr. Valerio Palini has graduated in Civil Engineering and obtained a Master's degree in Smart cities design. He is the coordinator of the i_LAB Smart Cities Design c – International laboratory at the Department of Engineering - University of Perugia – Ital Mr. palini is also a PhD Student in Ethics of Communication, Scientific Research and Technological Innovation (UniPg)

SANDBRINK Christoph

10. Strategic Vision
12. Basic concepts of Internet of Things

Prof. Christoph Sandbrink is a Professor for IT Management and Digital Business at the University of Applied Management Studies Mannheim, Germany. He completed his undergraduate studies on Business Administration and Information Management at the Universities of Münster, Osnabrück and Hull (United Kingdom). He received a Doctorate from the University of Jena on Geo-Marketing and Micro-Segmentation, He served as a Project Manager to Vice President and Global Director at SAP, Deutsche Telekom and Telefonica O2. Currently he serves as a Board Member of SAP Academic Board and Chief Digital Officer Advisor. His research interests include Customer Experience Management, Data Science, Machine Learning, AI, Enterprise Systems, Internet of Things and Smart Cities.

DEVOPS Project Contact Details

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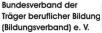
DEVOPS project consortium partners