Report on the preparation of LLL program - No. 1

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Abstract	This report is the Report on the preparation of LLL program No. 1, i.e. the report on the initial steps in preparation of the first cycle of LLL courses within ADA project. It is an outcome of the activity 2.6 LLL program.

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1.0	05/05/2021	Creation of document	UNIKG

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One of the acitivities and outcomes of the ADA project at UNIKG, by the Project Application, was to prepare and organize lifelong learning (LLL) courses, for professionals – employees in companies and organizations (activities 2.6. Preparation of the LLL program and 3.3. Organization of LLL program).

The first step was to prepare a list of potential LLL courses that will be offered to the participants. Because of the COVID-19 pandemics, no study visits were organized after March 2020, and instead of having Workshop dedicated to the preparation of LLL program during some of the study visits (as planned by Project Application), the preparation was done completely online, and coordinated by UNIKG.

In December 2020, all HEI project partners were invited to prepare and send the list of minimum three LLL courses that will be offered by that institution for LLL program, and to provide more detailed description of each course, using template table presented below. The recommendation was that LLL courses should be last 3 days (with 4 hours of lecturing each day), but it was possible to also offer longer courses (e.g. 5 days). The initial plan was to organize the first cycle of LLL courses in Spring/Summer 2021.

Table 1. LLL course proposal template

University	
LLL course title	
Lecturer(s)	
LLL course level (introductory, intermediate, expert)	
Prerequisites	
Short description and content	
To whom the course is intended	

Seven HEI institutions-project partners responded and send the proposals. The table below presents the complete initial list, with 21 submitted LLL course proposals.

Table 2. The complete list of LLL course proposals

Project partner	Title of the course	Level of the course	Lecturer(s)
University of Novi Sad	R for Data Science	Introductory	Savić Mirko, Kupusinac Aleksandar, Ronald Hochreiter
	Machine Learning	Intermediate	Kupusinac Aleksandar, Brcanov Dejan, Ronald Hochreiter, Zita Bošnjak
	Big Data Fundamentals	Intermediate	Radovanov Boris, Kupusinac Aleksandar, Stojić Dragan, Saša Bošnjak, Rachid Chelouah

	Time Series	Intermediate	Radovanov Boris, Stojić Dragan, Sephan Schluter, UNITOV
	Social Media Analytics	Intermediate	Grljević Olivera
University of Belgrade	Big Data Analytics	Intermediate	Vukmirović Dragan, Jeremić Veljko, Tomašević Nikola, Batić Marko
	Data analysis in fundamental medical sciences	Intermediate	Igor Pantić, Danijela Vučević, Marina Đelić, Nataša Milić, Jovana Paunović Pantić
	Introduction to Statistical Inference	Intermediate	Bulajić Milica, Vukmirović Dragan, Radojičić Zoran, Jeremić Veljko, Dobrota Marina, Maričić Milica, Alorić Aleksandra, Mutavdžić Dragosav
University of Niš	R programming in Business	Introductory	Marko Petković
	Optimization and Business Decision Making using Python	Intermediate	Jelena Stanković, Jason Papathanasiou
	Quantitative Finance	Intermediate/ expert	Srđan Marinković
University of Kragujevac	Artificial Intelligence for practitioners	Introductory/ intermediate	Vladimir Ranković
	Advanced data analytics in marketing	Intermediate	Veljko Marinković
	Advanced financial risk modeling	Intermediate/ expert	Mikica Drenovak
Vienna University of Economics and Business	Managerial Artificial Intelligence – The Art of Modeling Success	Introductory	Ronald Hochreiter
	Managerial Artificial Intelligence – Understanding the AI Magic	Intermediate	Ronald Hochreiter

University of Rome Tor Vergata	Designing Communication of Results	Introductory	Luca Gnan
	Security & Privacy	Intermediate	Giuseppe Bianchi, Giorgio Bernardinetti
	Supervised Learning	Expert	Gianluca Cubadda, Antonio Parisi
	Unsupervised Learning	Expert	Alessio Farcomeni, Francesco Dotto
Center for Research and Technology Hellas	Multiple Criteria Decision Aid	Introductory	Jason Papathanasiou

In spring 2021, due to still on-going COVID-19 pandemic, it was decided that the first cycle of LLL courses should be organized online and during June 2021. Each of universities-project partners was invited to suggest one or two courses (preferably from the list of previously accepted courses), which is most suitable for online teaching. The plan was that each course should last 3 days, 3-4 hours per day. Also, the suggestion was that courses should be organized in the afternoon hours and during the weekend, since the main target group for these courses were employed professionals.

The final list of the LLL courses to be offered in the first round was created by the end of April 2021, and presented in Table 3.

Table 3. The list of LLL course proposals for the first cycle of LLL courses

LLL course code	LLL course title	Lecturer	Level
UNS1	Machine Learning	Aleksandar Kupusinac, University of Novi Sad	Introductory
UB1	Introduction to Statistical Inference	Bojana Milošević, University of Belgrade	Introductory
UB2	Big Data Analytics	Aleksandar Veljković, University of Belgrade	Intermediate
UNI1	Python programming in Business	Marko Petković, University of Niš	Introductory

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UNIKG1	Napredni modeli za ocenu finansijskih rizika	Mikica Drenovak, University of Kragujevac	Intermediate
WU1	Managerial Artificial Intelligence – The Art of Modeling Success	Ronald Hochreiter, Vienna University of Economics and Business, Austria	Introductory
UNITOV1	Designing Communication of Results	Luca Gnan, University of Rome Tor Vergata, Italy	Introductory
CERTH1	Multiple Criteria Decision Making	Jason Papathanasiou, University of Macedonia and CERTH, Greece	Introductory