DATA DRIVEN DECISION MAKING AND CHANGE MANAGEMENT IN ORGANISATIONS COURSE DIAGNOSTIC ANALYSIS

Goal of the diagnostic analysis
To clarify the needs and expectations of the learners for Data Driven Decision Making and Change Management in Organisations course with regard to the content and delivery options.

Objectives:

- To gain information on the students' existing knowledge about the Course, prior to the commencement of the Course so that the Course can be delivered at the right level.
- To identify which topics and components of the courses, as set out in the original specification, are most enthusiastically regarded by the participants, and which are likely to be the most useful for them in their future work.
- To identify students' preferences concerning course organisation and delivery methods.
- To gain specific information about access to and familiarity with the technology available to the participants.

Expected Outcomes

- A brief description of previous knowledge of learners in the field of the Course.
- A description of the learners' personal preferences regarding the content and delivery options of the Course.
- Recommendations regarding to the improvement of the content and delivery methods of the Course.

This enables us to tailor the Course in the best way to suit students' requirements within the framework that has been set.

BACKGROUND INFORMATION

1. Name
2. Sex
3. Age
4. Previous or current job
5. Previous or current workplace

COURSE CONTENT: Data Driven Decision Making and Change Management in Organisations

6. Please describe your previous experience with the course topic. What courses, when and where have you taken related to this course?

7. Please list the main authors who have influenced your thinking in the field of this Course?

8. Please indicate your familiarity with the following topics: (1= ‘no clue’ and 10= ‘it's my research area’):

Topic	
1. The concept and nature of datafied society	
2. The concept and nature of digital transformation	
3. Data-driven organizations and data-driven decision making	
4. Key concepts: Data. Information. Knowledge. Explicit knowledge and tacit knowledge.	
5. Types of data and sources to make effective decisions at different organizational levels.	
6. The concept and nature of big data.	
7. The concept and nature of open data.	
8. The concept and nature of linked data.	
9. Dimensions & approaches towards the nature, role & value of information and knowledge management (IKM) in organizations.	
10. Theoretical models of information and knowledge management.	
11. IKM Infrastructure: Organizational Culture. Information culture. Organization structure, organisation’s information technology infrastructure, common knowledge, and physical environment.	
12. IKM Cycle: Knowledge Codification, Coordination, Transfer & Sharing	
13. Knowledge discovery in data bases and data mining	
14. IKM Technologies: knowledge discovery, capture, sharing, application systems	
15. Data analytic tools	
16. Data visualisation tools	
17. Learning and Learning Organization.	
18. Strategic and planning issues, including ideas of intellectual capital.	
19. Critical factors for IKM success (creativity & innovation collaboration; communication; relationships, etc.).	
20. Change Management in Organisations	
21. Teamwork and leadership in organization. Role of leadership in a data-driven transformation.	
22. Models, tools, techniques, and theory of data-driven decision-making.	
23. Challenges of data-driven decision making.	
24. Data-driven decision making in different fields (healthcare, business, education, etc.)	

9. Please choose FIVE out of the fore mentioned areas which are the most relevant for you (indicate with the numbers of the topics).

LEARNING AND TEACHING PROCESS

10. Which methods of teaching and support would you find most suitable? [1=highly suitable, 5=less suitable]

- Lectures (listen and learn)
- Seminars
- Discussion/sharing of experience
- Demonstrations/Experiments
- Practical 'hands on' learning
- Flipped classroom approach
- Role play/scenarios
- Multimedia (video/computer-based)
- Case Studies
- Group Work
- Collaborative project work
- Coaching/mentoring/one-to-one learning
- Field Work
- Provision of teaching and learning resources
- Publication (e.g. papers, research results)
- Communication with other students
- Obtain information or resources
- Assessment
- Feedback/Evaluation
- Some other areas... please specify

11. How would you rate the following barriers in affecting your participation in the Course? [Main Barrier/Slight Barrier/Not a problem]

- Lack of information
- Pressure of work
- Resistance from management
- Courses badly timed
- Courses too intensive
- Courses too long
- Poor communication
- Lack of ICT skills
- Lack of language skills
- Too complex LMS
- Others: (please specify)

12. What are the main obstacles you regularly encounter in learning?

13. What kind of training could help alleviate these?

14. What experiences (negative and positive) you have had with different learning methods?

15. How do you prefer to learn (your learning style)?

TECHNICAL SUPPORT AND SKILLS

16. Please evaluate your ICT skills [Yes No]
    - I know how to use data analytic tools [please specify]
    - I know how to use data visualisation tools [please specify]
    - I can use statistical software package SPSS
    - I can use qualitative data analysis software NVivo
    - I can use a cloud-based collaboration tool Miro
    - I can use a digital interactive whiteboard Jamboard
    - I can use online graphic design tool Canva
    - I can use Crello (VistaCreate)
    - I can use a telepresence robot

MEDIA PREFERENCES

17. What is the preferred way of distributing learning materials for you? [1=highly preferred, 5=less preferred]

- Printed textbooks
- Photocopies (readers etc)
- Electronic documents in the LMS
- Publicly available electronic documents on the WWW
- E-mails (or attachments)

18. What file formats do you personally prefer for electronic learning materials? [1=highly preferred, 5=less preferred]

- Txt
- Doc
- PDF
- Plain HTML
- HTML with JavaScript

19. What is, according to your experiences, the most effective communication channel during the course? [You/Tutors/Learners/Staff] [1=highly preferred, 5=less preferred]

- Personal e-mail
- LMS
- Zoom
- Skype
- Telepresence robots
- Other [please specify]

20. Please describe any objective factors which influence/restrict your personal preferences regarding file formats and communication channels.

21. Is there anything else that you'd like us to know in the field of information and knowledge management?

THANK YOU FOR COMPLETING THIS SURVEY!