DIGITAL WOMANIST

AGREEMENT N. 2021 – 1 – IT02 – KA220 – HED – 000032111

PRODUCT RESULT #1

DIGITAL WOMANIST

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INTRODUCTION

This presentation is based on the research project focusing on the Digital Womanist partnership's input and feedback, aimed at addressing the digital gender gap in the EU. The report explores the impact of digital transformation on women, the current scenario of digital humanities, the effect of COVID-19 on women's digital skills, and strategies to empower women in the digital economy. It also delves into available resources, emerging profiles in digital humanities, and the development of digital skills for women at different educational levels. With the digital revolution shaping our world, it's crucial to bridge the gender gap and create equal opportunities for women in the digital space.

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DESK RESEARCH LITERATURE

1 Current Situation

In recent years, the digital revolution has greatly impacted the cultural sector, with a turnover of 497 billion euros per year in the EU. This transformation has led to the emergence of digital humanities, a field that encompasses a wide range of topics, from managing online collections of primary sources to data visualization and digital publishing.

2 Strengths & Weaknesses

The discipline of digital humanities has seen significant growth, but the lack of government strategies and underfunding has hindered its full potential. This has limited the digital skills training at different educational levels and the integration of digital content in humanities-based courses.

3 Impact of COVID-19

The COVID-19 pandemic has highlighted the essentiality of digital skills, especially for women, while also bringing to light the gender disparities in accessing and utilizing digital technologies. Women's increased visibility and adaptability during the pandemic have emphasized the need for empowering women in the digital space.

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Digital Humanities Current Scenario

1

Storms of Data

Data, algorithms, and computing power are disrupting society, changing human interactions, social institutions, economics, and political structures.

2

Debate on Digital Humanities

Recent publications have shown intense debate on what digital humanities are and how to define them.

3

EU Digital Humanities Strategy

The EU aims to promote innovative learning programs through new technologies and digital content in national education systems.

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Digital Humanities: Strengths & Weaknesses

Interdisciplinary Field

Digital humanities are an interdisciplinary field that combines humanities and digital sciences.

Interpretations

The term "digital humanities" has several interpretations, leading to misuse of the term in education.

Weaknesses in Education

Main weakness observed in European universities is the lack of government strategies related to introduction and training at all levels of the education system.

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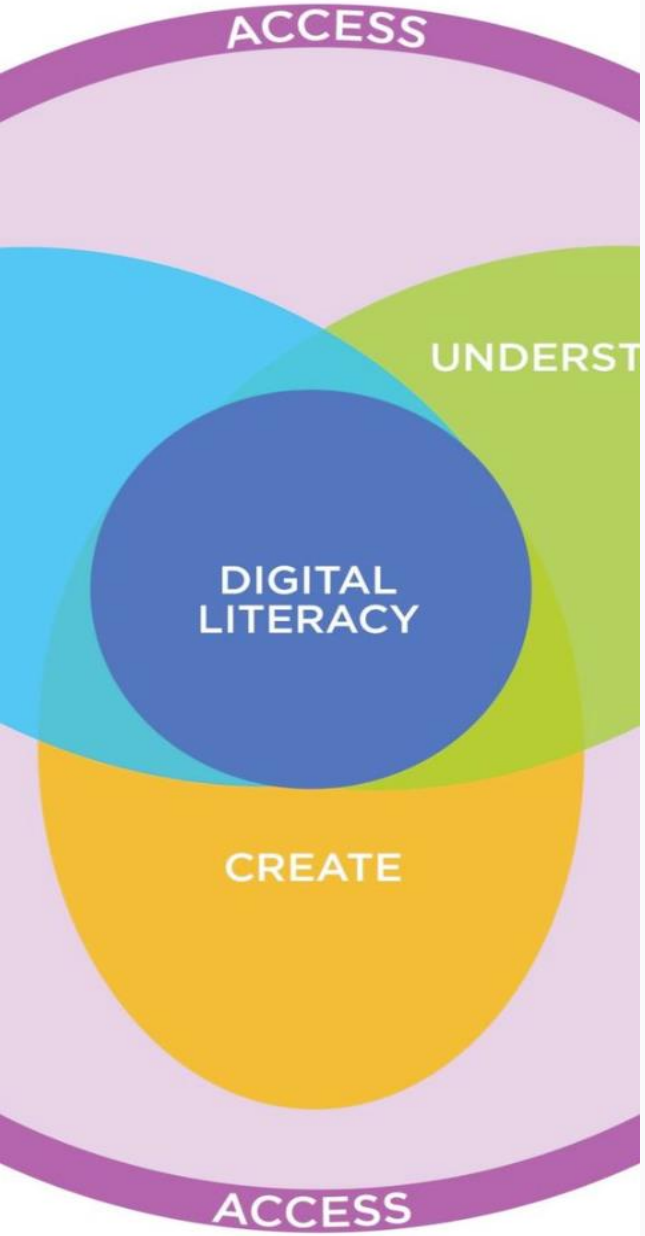

Impact of COVID-19 on Digital Skills of Women

1 **Essential Skills**

The COVID-19 pandemic has highlighted how digital skills have become essential for women's employment and empowerment.

2 **Increased Digital Use**

Research shows that despite the difficult situation of women during the Covid pandemic, the women's use of digital has increased.

3 **Access to Internet**

Efforts have been made to ensure internet access and digital learning for women to bridge the gender gap in digital skills.

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Digital Humanism and its Impact on the Economy

Digital Transformation

Digital transformation offers new opportunities for the growth of economies and societies across countries around the world.

Barriers for Women Entrepreneurs

Significant barriers exist for women entrepreneurs in using technology for business, including lack of participation and prevalence of stereotypes.

Role of Technology

Digital technology can support women-led and managed businesses, offering innovative ways to overcome traditional cultural and economic barriers.

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Digital Gender Inequalities

1

Digital Gender Gap

There are significant gender differences in access to, use, and ownership of digital technologies, limiting the equitable sharing of the benefits of digital transformation.

2

Impact on Women

Women face a significant digital gender gap, affecting their access to online finance, jobs in the tech sector, and creating their own digital business.

3

Obstacles to Digital Skills

Obstacles to obtaining digital skills include disability, socioeconomic background, race, age, and poverty.

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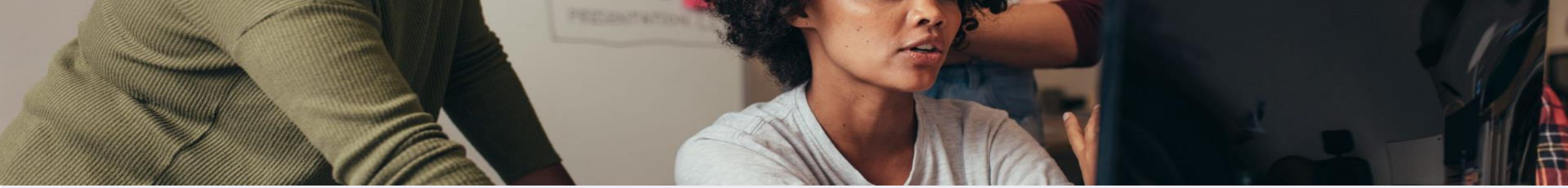

Digitization for Inclusion and Equal Opportunities

1

Empowerment through Technology

Technologies have the potential to be an effective tool for achieving equality between women and men, offering new opportunities for education and the labor market.

2

Work-Life Balance

ICT jobs offer favorable working conditions that promote work-life balance, but inequalities persist in the care of women in ICT jobs.

3

Empowering Girls

Empowering girls with digital skills will help them thrive in economies that value digital skills and automation.

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Resources for Research and Tracking Women's Role in Digital Transformation

National Action Plan for Gender Equality

The new National Action Plan for Gender Equality 2021-2025 aims to ensure substantive gender equality and stability in the changing environment.

Good Practices in Regional Skills

Initiatives and projects with a strong local impact and potential for applicability at national or European level are being implemented to increase women's participation in digital transformation.

EU Efforts for Gender Equality

All EU countries need to make significant efforts to increase women's participation in positions of power and effectively implement existing legal provisions for gender equality.

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Conclusion

Digital humanities and the impact of digital technology on society, gender equality, and economic growth are critical areas that require continuous research, resources, and innovative solutions. The role of women in digital transformation and the need for gender equality in the digital space are key factors for future progress and development.

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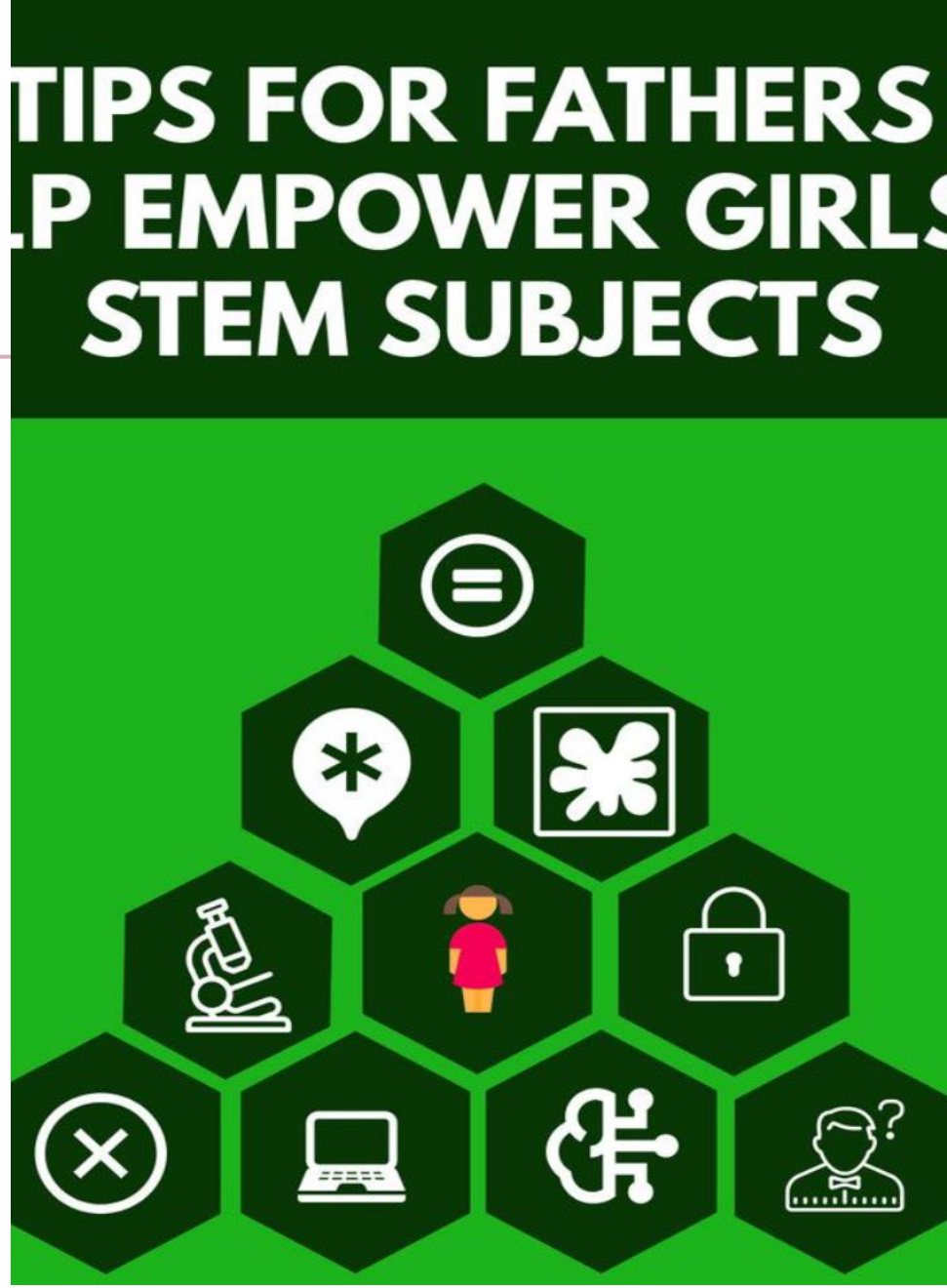
2. DESK RESEARCH OF PROFESSIONAL PROFILES

In today's academic landscape, digital tools present significant opportunities for research, education, and public understanding of humanities-based subjects. However, there is a need to encourage greater female participation in digital technology and STEM fields. Let's explore various initiatives and strategies aimed at promoting digital education and gender equality in STEM fields for women studying humanities-based subjects.



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Digital Womanist education review

Commission's Study

Only 24 out of 1,000 female graduates in the EU have studied ICT-related subjects, subjects, indicating a need for for more initiatives to attract attract women to digital fields. fields. The study "Women in the the Digital Age" (2018) emphasizes the importance of of promoting digital skills and and education.

EU Initiatives

The EU supports young female female students to develop digital and entrepreneurial skills skills through various initiatives. initiatives. These include online online learning platforms, E-E-STEAM festivals, and new higher education courses in engineering and information information technology based based on an interdisciplinary interdisciplinary STEAM approach.

Main Goals

The main goal is to attract 40,000 new female students to students to participate in circular economy and digital digital skills education by the the end of 2027. The efforts efforts focus on challenging challenging digital gender stereotypes and advocating for advocating for more women women entrepreneurs.

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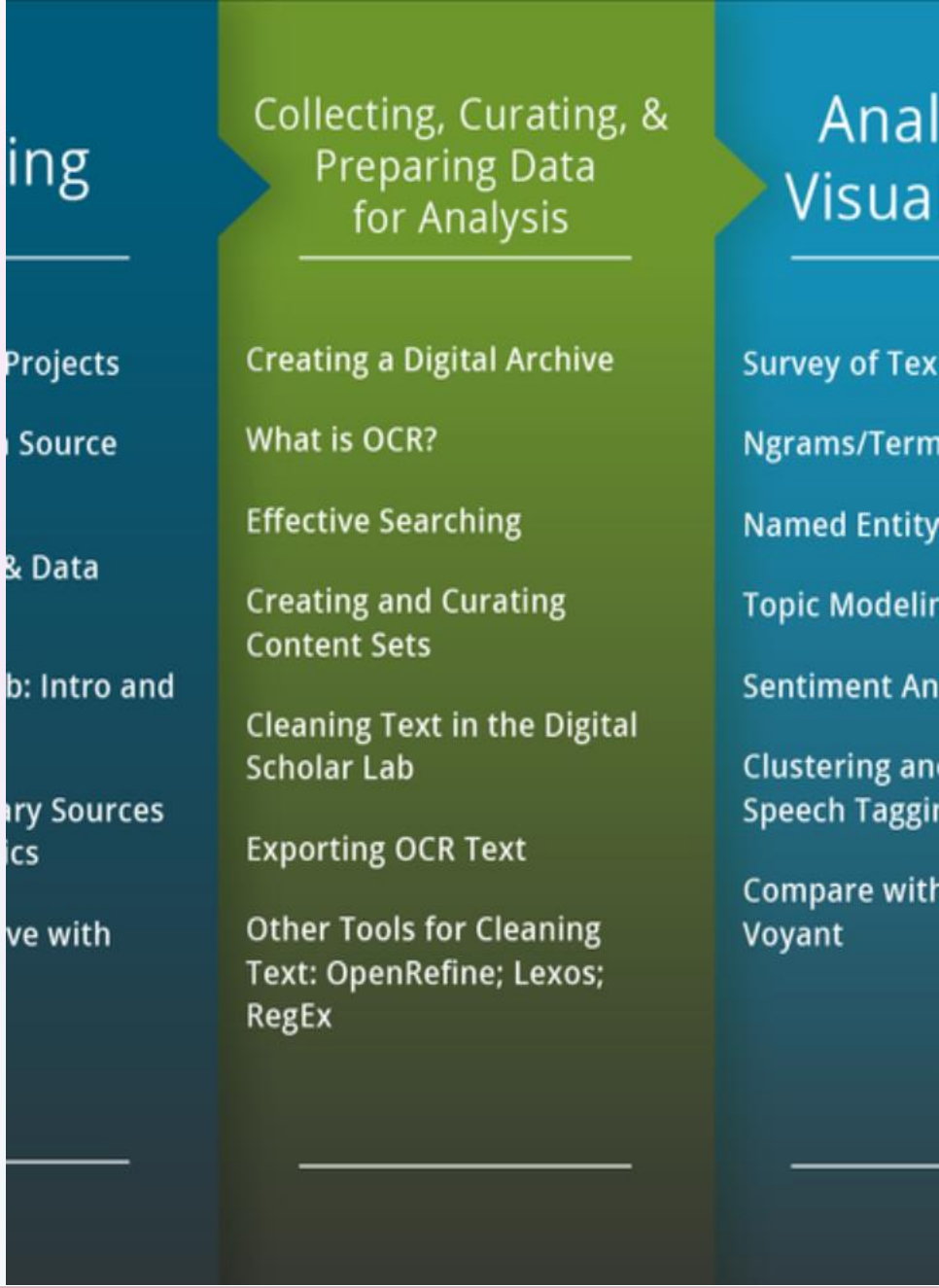
Learning methods to develop Digital skills in humanities-based courses

The main objective of laboratory-based educational activities is to improve students' academic qualifications at the level of human-machine digital skills. It is highly recommended to select a range of diverse laboratory training cycles, each comprising practical exercises designed to enhance students' proficiency in utilizing digital ICT tools and services effectively.



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Progression of Digital Skills Training

The Basic Training Cycle

The basic training cycle includes introductory exercises in ICT and Applied Computer Science, focusing on computer functions, basic tools, and internet usage. It also emphasizes the implementation of safe digital practices and respect for intellectual property rights.

Professional Development

The second cycle involves expanding the use of ICT applications, harnessing advanced digital tools, and creating and critically reviewing digital content. Students develop skills in database usage, image editing, and the creation of multimedia applications.

Advanced Digital Content Content Creation

The third educational cycle focuses on the creation of digital learning content, including website and blog development, as well as the analysis of digital media, online distance learning, and interactive environments.

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Specialized Digital Skill Development

1

Geographic Information System (GIS) Training

The final cycle introduces students to Geographic Information System (GIS) and Computer Aided Design (CAD) applications, providing them with fundamental knowledge in GIS principles, data visualization, and the latest methods in using digital technologies in the earth humanities.

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Skills and capabilities of Digital Womanists: from mere digital literacy to digital maturity; from consumer to prosumer of technologies

In today's rapidly evolving digital landscape, it is imperative for women to progress from basic digital literacy to digital maturity in order to actively contribute to shaping a sustainable, fair, and just digital economy and society. The future of Europe's digital economy relies on the active involvement of women. However, despite constituting more than half of the European population, only around 17% of ICT specialists in Europe are women. This presents a significant opportunity for policy makers, educators, and advocates to foster the development of digital skills among women.

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Digital Skill Levels: A Critical Assessment

1

EPI Levels

The European Qualification Framework (E.Q.F.) defines eight levels of skills, ranging from basic skills for simple tasks to more specialized skills capable of solving important research problems. Understanding these levels is crucial for individuals to identify their strengths and weaknesses, enabling them to make informed decisions about skill development and career paths.

2

Subset of Digital Skills

According to the European Union, there are 137 digital skills, including technological and soft skills, categorised into digital data processing, digital communication and collaboration, digital content creation, security, and troubleshooting. It's imperative for women to acquire and develop these skills to bridge the gender gap in the digital economy.

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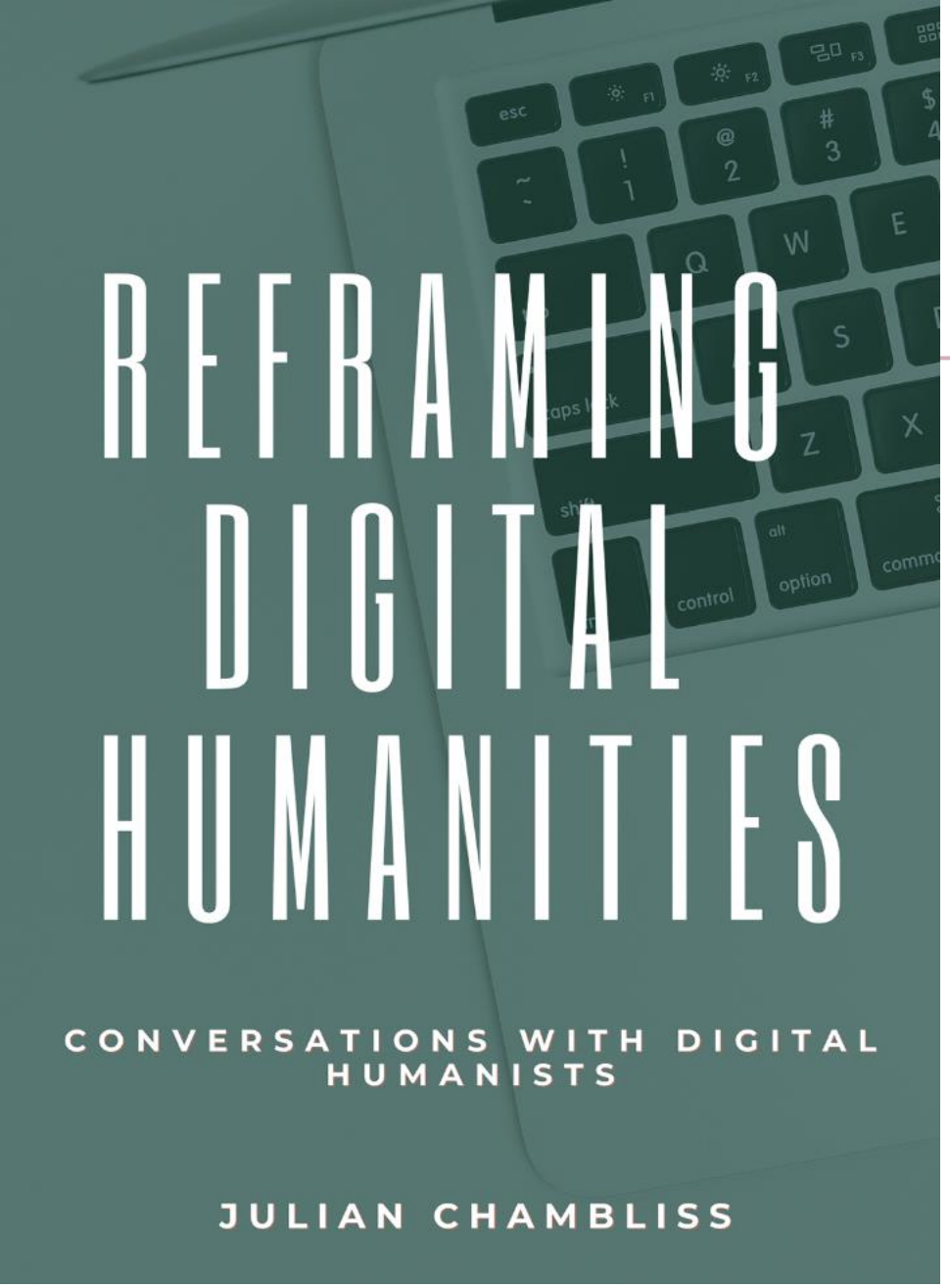

Professional Profiles in Digital Humanities

Digital humanities offers a myriad of exciting career opportunities, blending the fields of humanities and technology. From managing museum collections to designing video games, the opportunities are diverse and dynamic. Let's explore some of the fascinating professional profiles in Digital Humanities.

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Career Opportunities in Arts, Culture, and Technology

Explore diverse and exciting career paths in the intersection of arts, culture, and technology. From museum curation to digital marketing and game development, these professions offer unique opportunities for creativity and innovation. Whether you're a seasoned professional or an aspiring enthusiast, the industry presents a wealth of fulfilling roles.

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Museum/Gallery Curator

Profile Overview

Museum and gallery curators are entrusted with the management and curation of invaluable artifacts and artworks. Their responsibilities encompass acquisition, preservation, and public education. In addition, they handle marketing, fundraising, and educational initiatives.

Skill Set

Excellent communication, project management, and web design skills are essential for this role. Individuals from diverse academic backgrounds, including history, literature, and sciences, can excel as curators. A postgraduate qualification is usually required.

Educational Background

A good honors degree is the minimum academic requirement, with further specialization in museum and/or gallery studies. A blend of passion for the arts and deep knowledge of preservation techniques leads to a successful career as a curator.

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Conclusion

The digital gender gap is a pressing issue that requires concerted efforts to address. It encompasses the disparities in access to and adoption of digital technologies, as well as the lack of digital skills among women across various fields. As digital technologies continue to play a pivotal role in economic and social development, it's essential to focus on bridging this gap.

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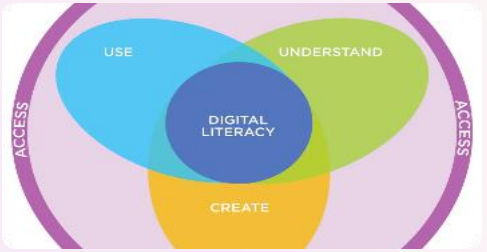
Digital Humanities and Gender Equality



Empowering Women Through Research

Digital humanities encompass a wide range of topics, from managing online collections to data mining of large cultural datasets. Women's involvement in digital humanities research and implementation is crucial for creating inclusive, gender-sensitive approaches to technology and knowledge creation.

Overcoming Barriers to to Entry

Barriers to entry, technological literacy, and inherent biases contribute to the digital gender gap. Efforts in digital humanities can focus on addressing these barriers and fostering an inclusive environment for women to develop and apply digital skills.

Empowering Women in in Education

Education plays a pivotal role in closing the digital gender gap. Digital humanities initiatives can provide digital literacy training tailored to the educational needs of women, empowering them to excel in the digital environment and beyond.

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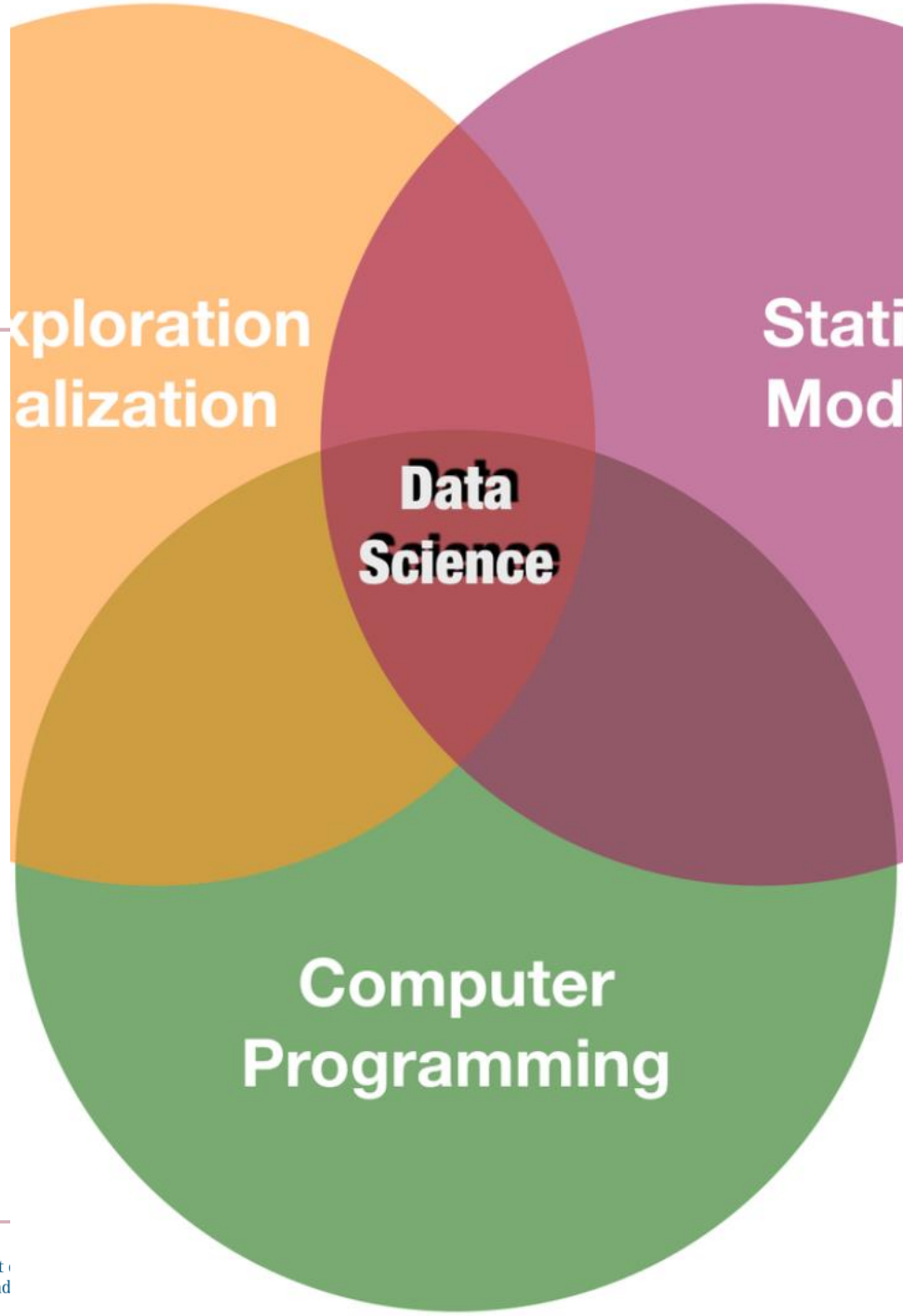
Results Summary

The research findings provide valuable insights into the skill level of female humanities students and the gap between the supply and demand of hard digital skills in the creative and cultural context. The data analysis, as per the methodological guide, captures the crucial aspects related to the perceptions, needs, and challenges faced by students, teachers, and representatives of cultural workers.



Student Insights

Perceptions and Needs

The findings reveal the perceptions and needs of female humanities students regarding the development of digital skills. This insight is essential for understanding their positioning in the labor market and creating a conducive learning environment for developing hard digital skills.

Knowledge of Digital Humanities Skills

The research demonstrates the students' knowledge of digital humanities skills and their impact on enhancing their competencies, particularly in the creative and cultural sectors.

Learning Environment

The convergence of students' needs, perceptions, and knowledge culminates in the creation of a learning environment that fosters the development of hard digital skills, preparing them for the demands of the modern workplace.

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B.FOCUS GROUP

1. Results Summary

Professionals and students highlight significant issues like gender discrimination, climate change, and digital transformation as key challenges in today's cultural environment. The role of globalization, the impact of technology, and the need for diversity in professional fields are also crucial concerns.

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Profile of the Digital Womanist

Dynamism and Efficiency

Students and professors emphasize the the importance of adaptability, persistence, persistence, and digital knowledge for the the digital womanist. Leadership skills, creativity, and the ability to manage digital digital transformation are also essential essential traits.

Adaptability and Creativity

Professors and CCI/SME representatives stress the need for digital literacy, creativity, and the ability to think creatively. They also highlight the importance of understanding digital humanities and utilizing online platforms effectively.

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Topics of the Digital Womanist Curriculum

1

Advanced Technological Skills

Students suggest courses in computer science, communication communication technology, and digital storytelling as essential essential components of the digital womanist curriculum.

2

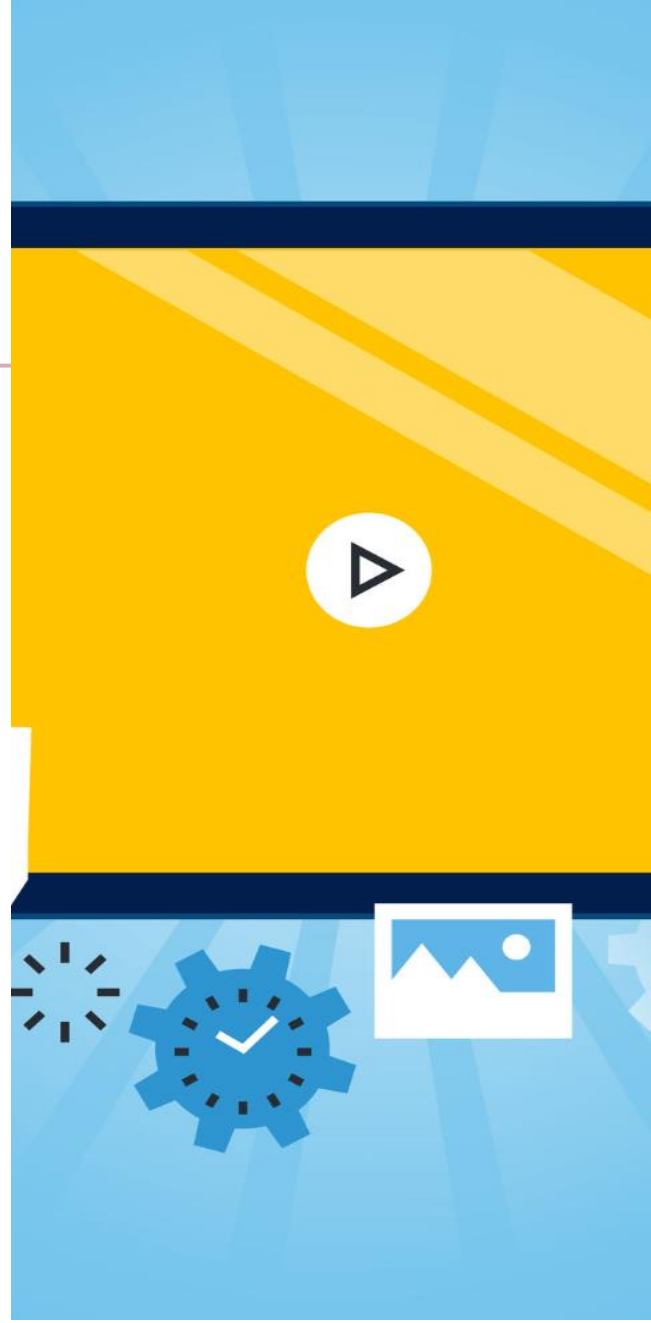
Integration of Humanities & Technology

Professors emphasize the importance of courses in digital humanities, linguistics, and digital marketing for a well-rounded digital womanist education.

3

Digital and Cultural Sector

CCI/SME representatives highlight the relevance of courses in digital ethics, psychology, and digital thinking for a comprehensive curriculum for digital womanists.



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Knowledge and Skills for a Digital Womanist

Technical Knowledge

Students and professors stress the importance of computer science, social network management, and psychology for a digital womanist's knowledge base.

Digital Literacy

Professors focus on the development of digital literacy, proficient use of online platforms, and understanding the impact of digitalization on gender equality.

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Competences of a Digital Womanist

1

Communication Skills

Students and CCI/SME representatives emphasize the importance of strong communication, social media, and computational thinking competencies for a digital womanist.

2

Digital Creativity

Professors highlight the significance of assertiveness, strong analytical thinking, and the ability to manage digital technologies for a successful digital womanist.

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Prerequisites for Digital Womanist Program

1

Attitude and Commitment

Students emphasize the necessity of willingness, determination, and emotional intelligence as essential prerequisites for admission to a digital womanist program.

2

Language and Computer Literacy

Professors stress the importance of English proficiency, computer literacy, and the candidate's curiosity and openness as key requirements for admission to a digital womanist program.

3

Interactive Learning

CCI/SME representatives highlight the need for interactive and creative courses to stimulate interest and a digital approach for the students in the digital womanist program.

# of Digital Leade

2. Focus Group Discussion

The digital revolution and the rapid development of the cultural sector have significantly transformed the educational landscape. This transformation has redefined the production and reproduction of cultural content, impacting the way the public engages with culture. The integration of new technologies has provided unparalleled access to diverse sources of information and educational materials, enabling personalized teaching and greater flexibility in educational content and formats.

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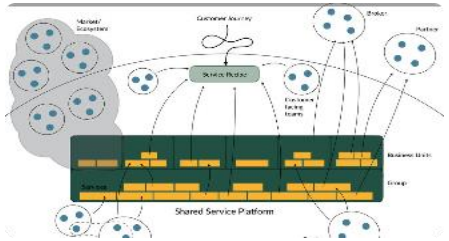
Female Humanities Students and the Digital Digital Skills Gap

Perspectives of Female Students

Female humanities students are are advocates of digital transformation, emphasizing the the need for dynamic and versatile versatile skills to adapt to today's today's demands. They envision a envision a curriculum that includes includes digital courses alongside alongside subjects like psychology, psychology, communication, and and history, providing a comprehensive foundation for for digital literacy and humanistic humanistic knowledge.



Insights from Professors

Professors highlight the necessity necessity of integrating digital digital courses into humanities humanities studies, emphasizing emphasizing the importance of of digital creativity and design for design for future employability. employability. They advocate for for a curriculum that covers digital techniques, history, culture, and philosophy to equip equip students with both digital digital and cultural knowledge. knowledge.

Perceptions of CCI/SME Representatives

CCI/SME representatives stress stress the importance of digital digital knowledge in empowering empowering women for employment in the cultural sector. sector. They emphasize the need need for digital privacy awareness, awareness, ethical investments, investments, and the development development of digital skills through courses in IT, psychology, psychology, marketing, and sociology.

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The Integration of Digital Courses in Humanities Studies

Student's Viewpoint

Female humanities students advocate for integrated digital courses that encompass a wide range of disciplines, providing them with a solid foundation in digital literacy and cultural knowledge.

Professor's Perspective

Professors emphasize the necessity of including digital techniques and humanities studies in the curriculum, ensuring students are equipped for the challenges and opportunities of the digital era.

CCI/SME Representatives' Stance

CCI/SME representatives highlight the importance of digital skills for women in the cultural sector and advocate for the inclusion of digital privacy and ethical practices into the curriculum.

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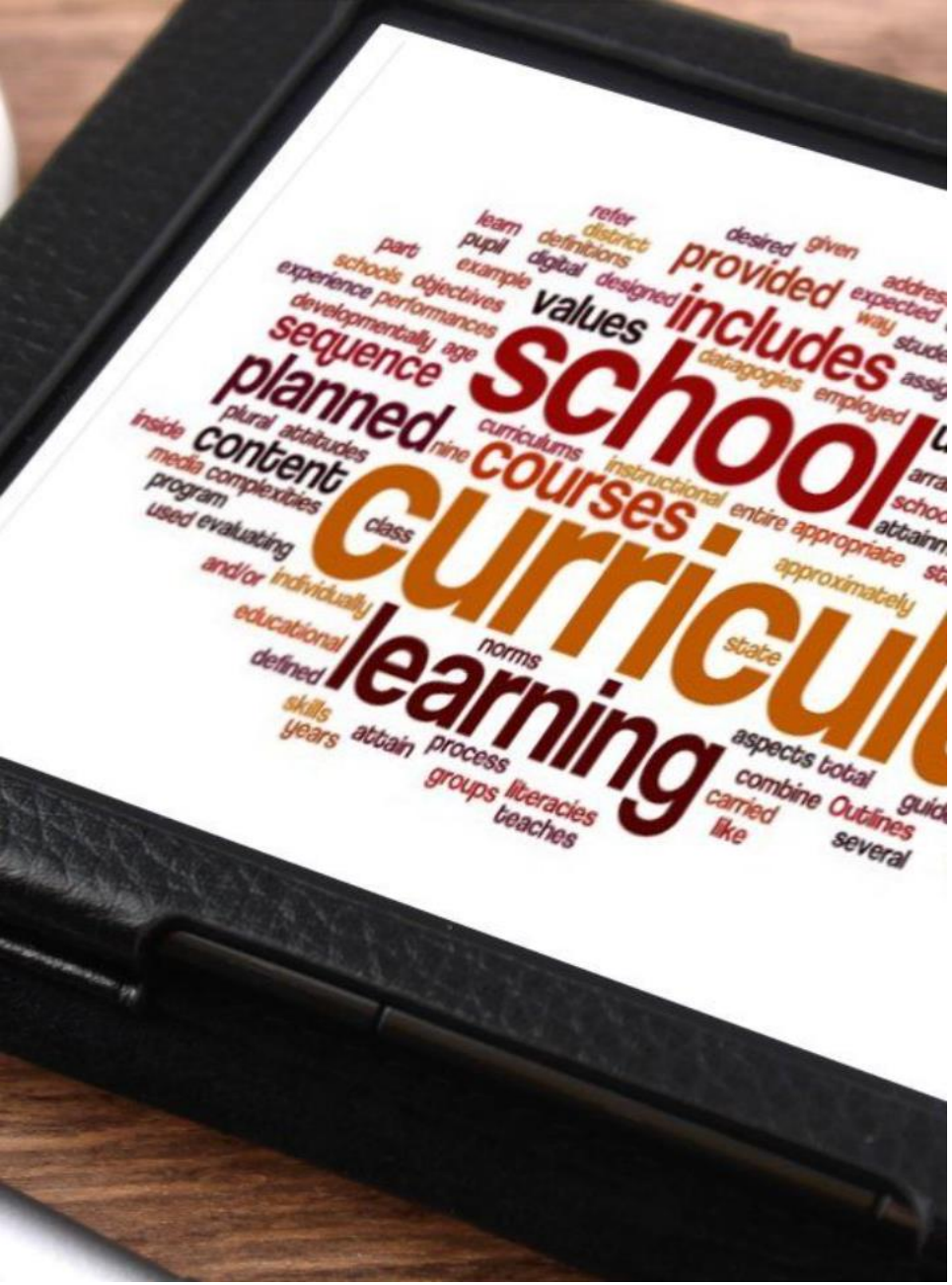

C. CURRICULUM DESIGN

A study of the literature on curriculum theory and models provides various perspectives on the concept of "curriculum." From the early 20th century to the 21st century, different scholars have defined curriculum in distinct ways, emphasizing planned experiences, objectives, subject matter, learning experiences, and evaluation. Exploring these definitions offers valuable insights into the core elements that constitute the curriculum, namely purpose, content, methods, and evaluation.

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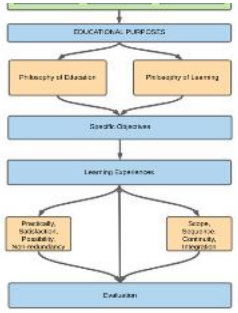
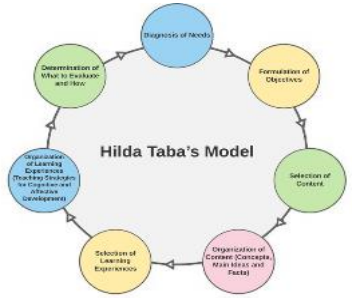
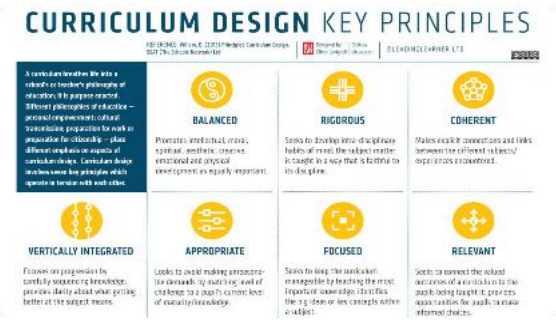
Curriculum Development Models







Tyler Model

The Tyler Model, developed by Ralph Tyler in the 1940s, focuses on defining objectives, identifying related educational experiences, organizing experiences, and evaluating purposes.

Taba Model

Hilda Taba's multipurpose teaching model, with seven steps, emphasizes diagnosing learners' needs, formulating objectives, selecting and organizing content, choosing learning experiences, organizing learning activities, and evaluation.

Oliva Model

Peter Oliva's comprehensive and systematic model addresses the general and specific needs of students, curriculum organization, learning strategies, and evaluation techniques.

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Digital Womanist Curriculum Guidelines

Target Groups

The Digital Womanist curriculum targets female students at bachelor's or master's level in humanities, cultural institutions representatives, and professionals working with cultural heritage to enhance their hard-digital skills.

Course Description

The curriculum includes courses that develop hard-digital skills to advance the professional profiles of women specializing in humanities studies, enabling them to use theoretical knowledge alongside digital skills within the cultural sector job market.

Professional Profile

The curriculum design of the digital womanist's profile is based on a literature review, research on focus groups, professional competency standards, and job descriptions, aiming to develop competences, skills, and knowledge for future employment in arts, entertainment, and cultural sectors.

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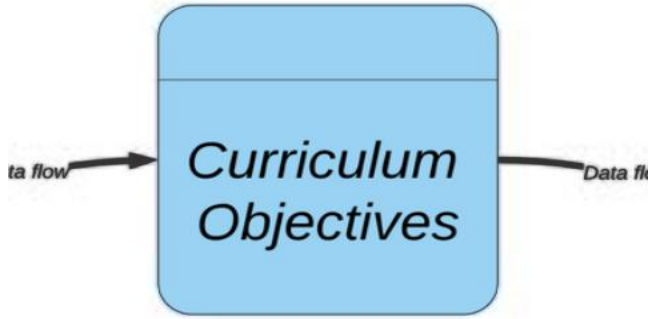
Key Aspects of Curriculum Development



1 Cognitive Methods

The curriculum emphasizes cognitive methods of teaching and learning, fostering exploratory and experiential learning through a linear approach from simple to complex and from general to specific.

2 Affective Methods

The curriculum incorporates affective methods to create interdependencies with other courses, aligning with student needs and integrating into faculty principles for comprehensive learning experiences.

3 Psychomotor Methods

The curriculum emphasizes problem-solving techniques and decision-making skills to achieve the program's objectives, providing a balanced approach to learning experiences.

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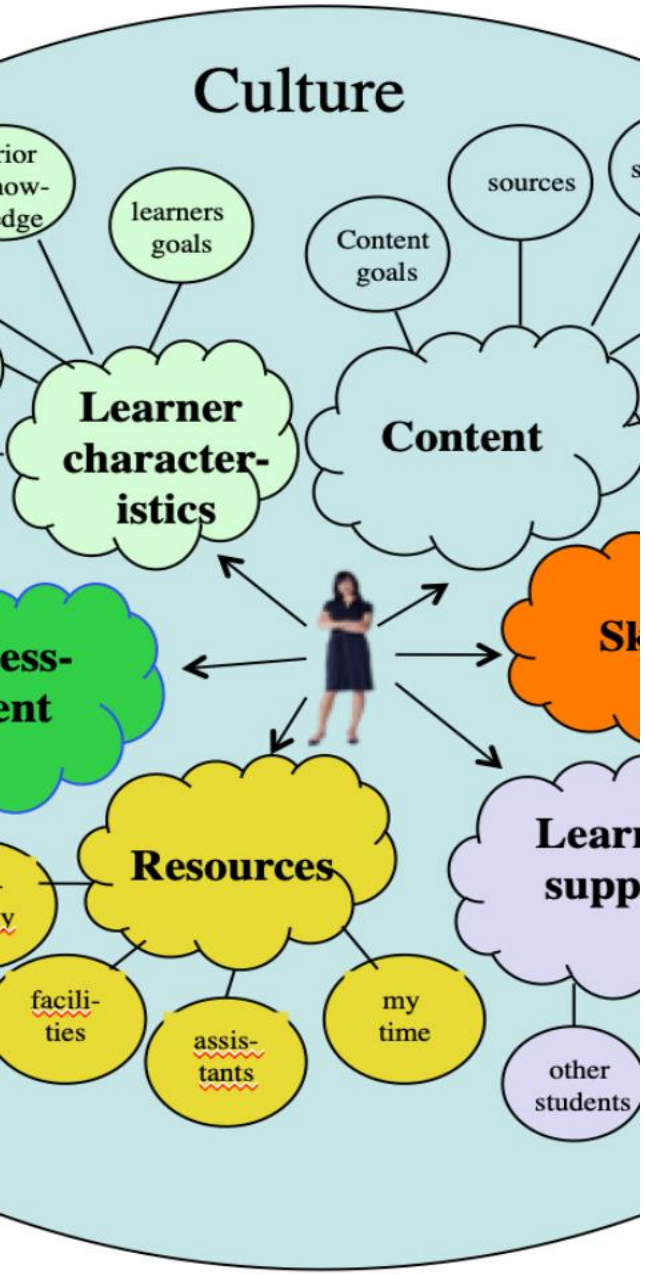

Enhancing Learning Experiences

1

Curriculum Mapping

Developing a prototype for constructing national curricula, focusing on theoretical and practical aspects to help teachers acquire necessary knowledge and skills.

2

Interdisciplinary Projects

Integrating interdisciplinary projects that transcend faculties, contributing to a comprehensive and systematic curriculum development model.

3

Feedback and Adjustment

Implementing a unique feature, the feedback and adjustment loop, to contextualize the process of creating and implementing curriculum, ensuring adaptability and innovation.

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Key Learning Outcomes

1

Understanding Human-Technology Interactions

Students will scrutinize the nature of human-technology interactions, analyzing their implications on the creative and cultural sector. This will involve exploring how advancements like Augmented Reality and Virtual Reality projects impact human experiences and behaviors.

2

Embracing Sustainable Practices

They will gain insights into the role of sustainable development and the circular economy in the creative and cultural sector. This will involve understanding how to integrate sustainable practices into creative projects and the broader cultural ecosystem.

3

Exploring Cutting-Edge Innovations

Students will delve into theories and foundations of artificial intelligence, gaining a deep understanding of scientific methodology and its connection to human-environment issues. They will also explore the potential and challenges of the Internet of Things in cultural communication promotion strategies.

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Curriculum Design

OER 1

TRENDS AND CHALLENGES IN THE DIGITAL TRANSITION OF THE CULTURAL SECTOR

1. Artificial Intelligence applied to cultural assets
2. Blockchain Technologies for the cultural sector
3. Internet of Things Big Data

OER 2

DIGITAL TECHNOLOGIES THAT VALORISE THE CULTURAL ASSETS

1. AR, VR and Human Computer Interaction
2. Augmented and Mixed Reality. Digital Stratifications
3. XR applied to the cultural sector

OER 3

DIGITAL TECHNOLOGIES: ADVANCED SOLUTIONS

1. UXD: User Experience Design & UCD: User – Centered Design
2. Open Access platform

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Curriculum Design

OER 4

SUSTAINABILITY IN THE CREATIVE AND CULTURAL SECTOR

1. Sustainability
2. Glocalization

OER 5

PIONEERING DIGITAL WOMANISTS

Case studies

- Samantha Cristoforetti- Astronaut
- Arianna Traviglia- Humanist/Technology
- Rania Svoronou - Digital Design

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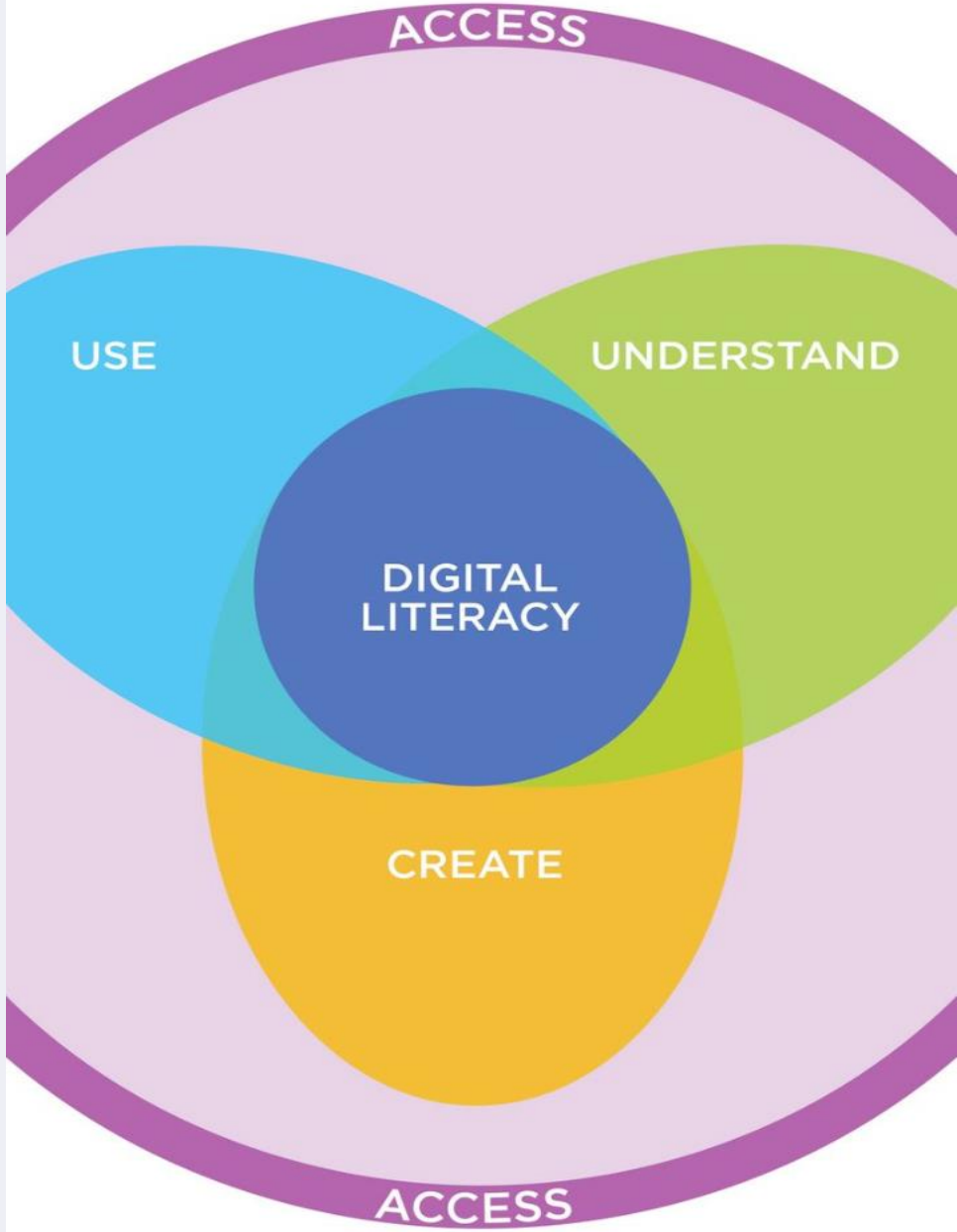
Digital Womanist Research: Conclusion

The task and research phase of the Digital Womanist project have played a pivotal role in aligning the cues, evidence, and goals of the curriculum. This article delves into the significant issues and solutions within the Digital Womanist research field, emphasizing the importance of higher education and lifetime learning to empower motivated and skilled professionals, particularly women, to lead in the digital age.



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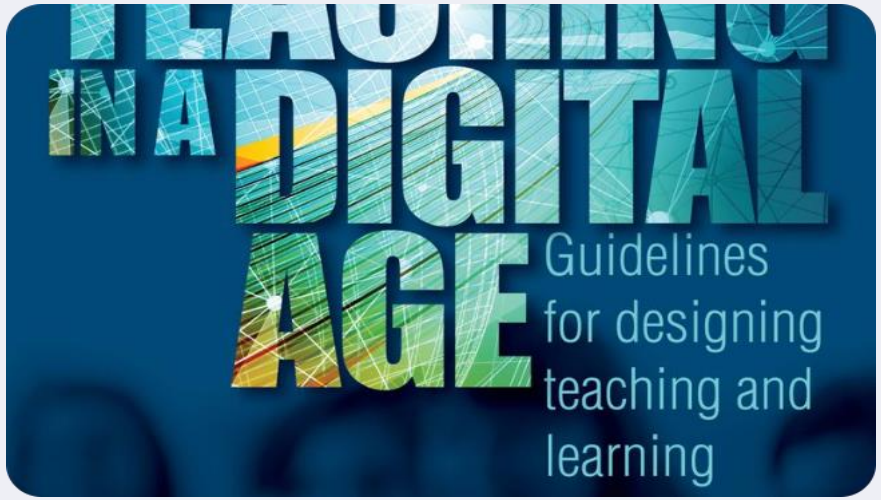
Challenges in Digital Womanist Curriculum



Scarcity of Specialized Courses

University-led digital womanist courses and curricula in the field of cultural heritage and digital hard skills remain scarce and peripheral compared to other disciplines. This scarcity poses a challenge in educating and empowering women in this domain.

Delivery Methods

Existing courses and curricula are predominantly delivered through traditional, in-person lectures, lacking innovative methods for knowledge development and practical skills. This traditional approach inhibits the full potential for preparing women professionals in the digital womanist field.

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Key Skills for Digital Women Professionals

Strategic Skills

Evolved digital women in the cultural heritage sector require strategic, managerial, analytical, and entrepreneurial skills to drive business growth effectively and strategically.

Educational Impact

University-educated learning is pivotal for providing advanced knowledge, abilities, and experience to female students, making them immediately applicable in institutions and companies associated with cultural heritage and creative industries.

Professional Evolution

The evolution of digital women professionals in feminist digital expertise is closely linked to the promotion of cultural heritage and creative industries, driving value creation and strategic development in organizations.

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Thank you!!

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