



uniszaedumy



يونيڤرسيتي سلطان زين العابدين
UNISZA
UNIVERSITI SULTAN ZAINAL ABIDIN

*Ilmu Demi
Faedah Insan*
KNOWLEDGE FOR THE BENEFIT OF HUMANITY

UNISZA DIGITAL STRATEGIC PLAN 2023-2030



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INTRODUCTION

Higher education institutions are undergoing radical transformation to adapt to ever changing world.

Digital technology advancements are facilitating this transformation by providing abundance opportunities for innovation, efficiency, and global expansion.

UniSZA digital strategy outlines a high-level plan for successful digital implementation in meeting academic demands, differentiate themselves from competitors, and create a sustainable environment for all stakeholders.





AIM

UniSZA's Digital Strategic Plan 2023-2030 aims to establish an ecosystem that enhances digital experiences, leading to improve productivity and competitiveness.

The plan focuses on developing an adaptable digital services that can be integrated and upgraded to meet evolving needs and emerging technologies.



VISION

To become a leading university that guarantees open access towards sustainable digital ecosystem



MISSION

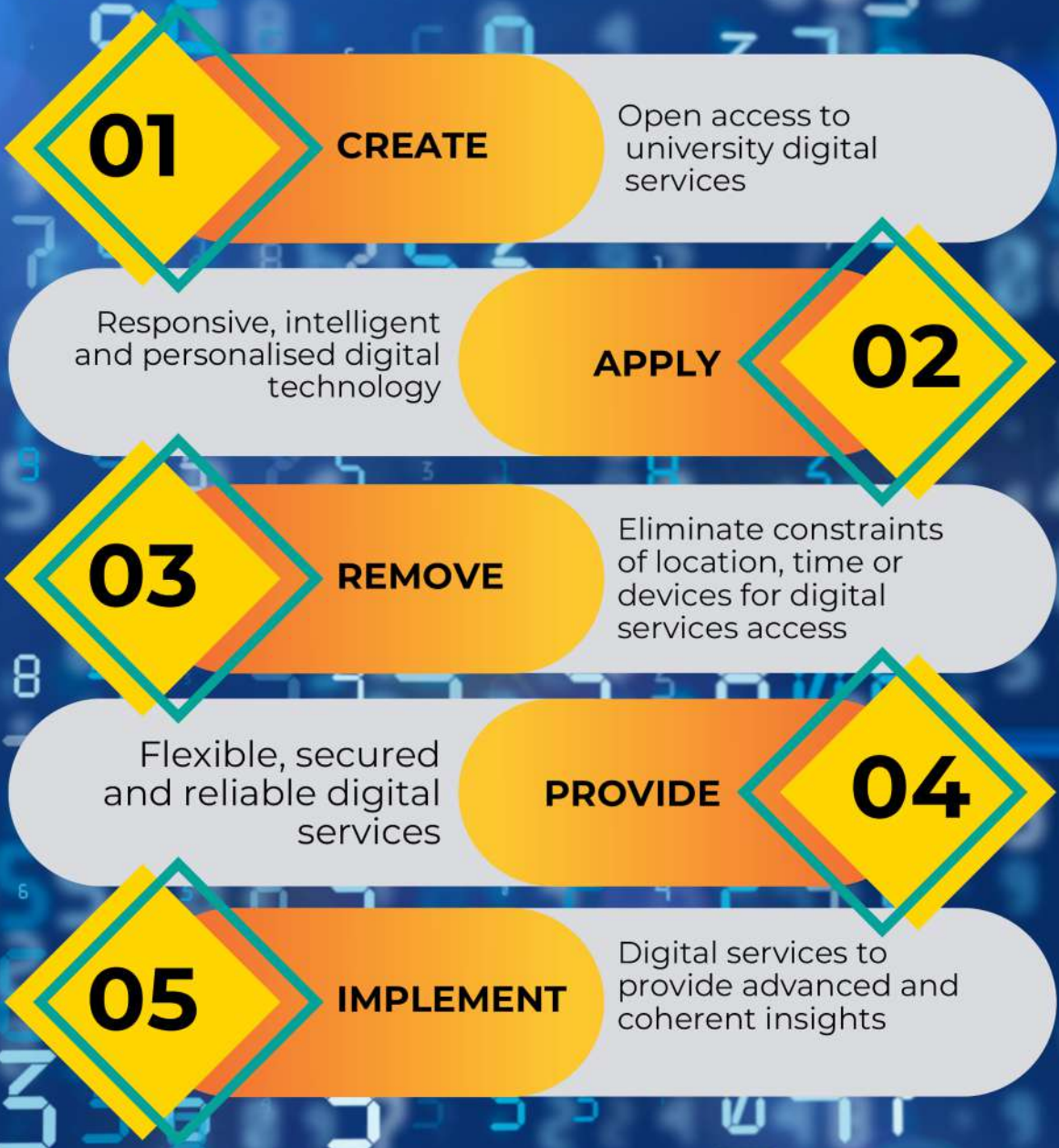
The establishment of a digital ecosystem, encompassing a connected campus, digital lifestyle, and meta learning space, along with a sustainable green technology campus.

Utilization of advanced technology to drive growth, enhance efficiency, and provide an exceptional stakeholder experience.



STRATEGIC FRAMEWORK

The main components of strategic framework involves aligning the efforts of stakeholders in establishing decision-making, measuring progress and prioritizing action plans.



GAPS

Identifying gaps in digital university's strategic plan will enable us to evaluate strengths, weaknesses, opportunities, threats, and integrate new emerging technologies into digital services.

PEOPLE

IT staff, faculty members and students may lack the necessary digital skills and expertise to fully utilize digital tools and services.

INFRASTRUCTURE

Existing technological foundation needs enhancements to meet the demands and scalability required for digital services.

GAPS

FINANCIAL

Insufficient funding and resources allocated to support the implementation and maintenance of digital initiatives.

TECHNOLOGY

Emerging technologies have not been fully leveraged to enhance digital services and maximize their potential.

GOVERNANCE

The lack of effective policies and decision-making structures hampers effective management of digital initiatives.

ROADMAP

Roadmap provides a structured path for implementing digital strategic framework.

01

GOALS SETTING

Establish the objectives and determine the execution path of digital transformation

02

IDENTIFY AND FORMULATE

Evaluate the effectiveness and efficiency of the current systems, and align with university's goals

03

TRAINING

Organize the right team and schedule, provide new skills and knowledge for digital transformation

04

EXECUTE

Agile design and implementation of new transformed digital services with appropriate technology

05

MONITOR AND IMPROVE

Continuously assess and improve digital services by using established metrics

STRATEGIC OBJECTIVES

UniSZA Digital Strategic Plan 2023 – 2030

(UniSZA DSP 2023 – 2030) consists of 4 strategic objectives :

CONNECTED CAMPUS

Utilize advanced technology to facilitate seamless campus connectivity

DIGITAL LIFESTYLE

Integrate technology into daily life with online experiences, virtual communities and social media

META LEARNING SPACE (META UNISZA)

Provide immersive virtual space for interactive learning and smart experience

SUSTAINABLE GREEN TECHNOLOGY CAMPUS

Educate, promote and minimize environmental impact with sustainable green technology and activities

STRATEGIC OBJECTIVE 1: **CONNECTED CAMPUS**

6 INITIATIVES

1

Appoint
Chief Digital
Officer

2

Develop
Digital
Strategic Plan
(DSP)

3

Engage
new
expertise

4

Upgrade
Digital
Infrastructure

5

Upgrade
Infostructure

6

Empower
Technical
Team



STRATEGIC OBJECTIVE 2: DIGITAL LIFESTYLE

5 INITIATIVES

1

Smart Card
Implementation
with Integrated
Platform

2

Empower
Technical
Team

3

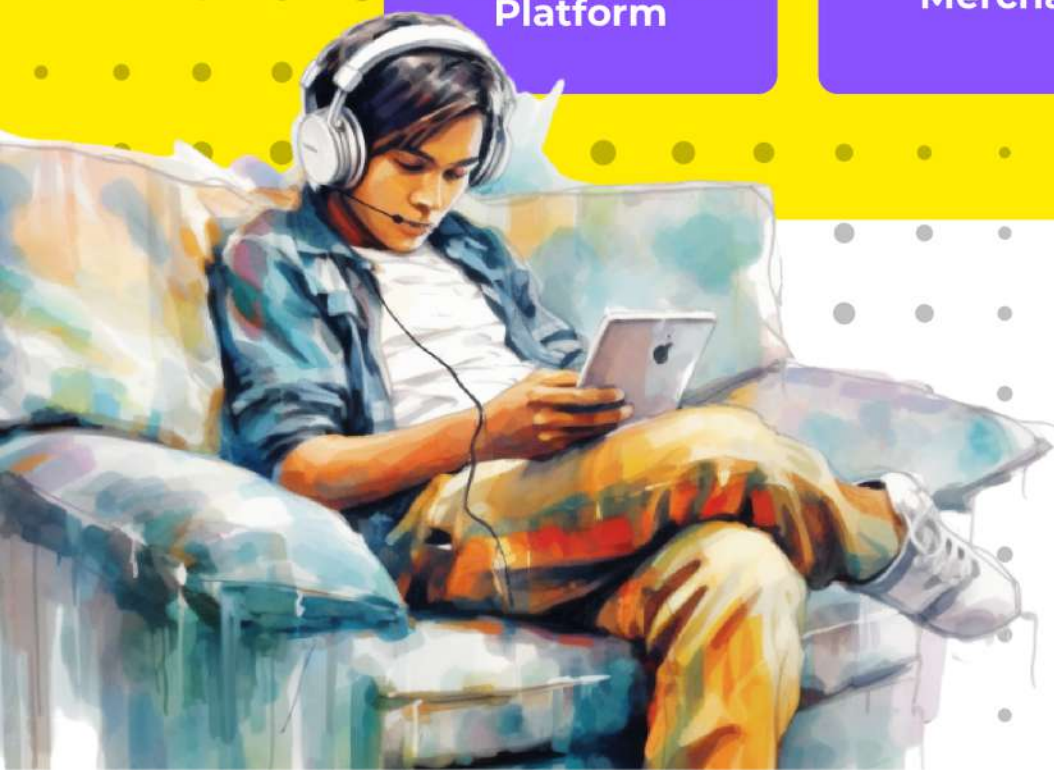
Digital
Lifestyle
Awareness

4

Acculturation
Social Media
as a
Communication
Platform

5

Smart
Collaboration
with Industry/
Merchant



STRATEGIC OBJECTIVE 3: META LEARNING SPACE (META UNISZA)

4 INITIATIVES

1

Development
of Integrated
Learning
Platform

2

Empower
Technical
Team

3

Empower
Digital
Content
Team

4

Formation
of Metaverse
Special
Interest
Group



STRATEGIC OBJECTIVE 4: SUSTAINABLE GREEN TECHNOLOGY CAMPUS

8 INITIATIVES

1

Development of
Green Campus
Strategic
Policy

2

Implementation
of Green
Initiatives

3

Implementation
of Green
Building and
Technology

4



Organize
Seminar &
Awareness
on Sustainable
Campus

5

Involvement
in Green Campus
Ranking & Rating

6

Green
Research
Grant
Initiative

7

Smart
Partnership
Program with
Industry

8

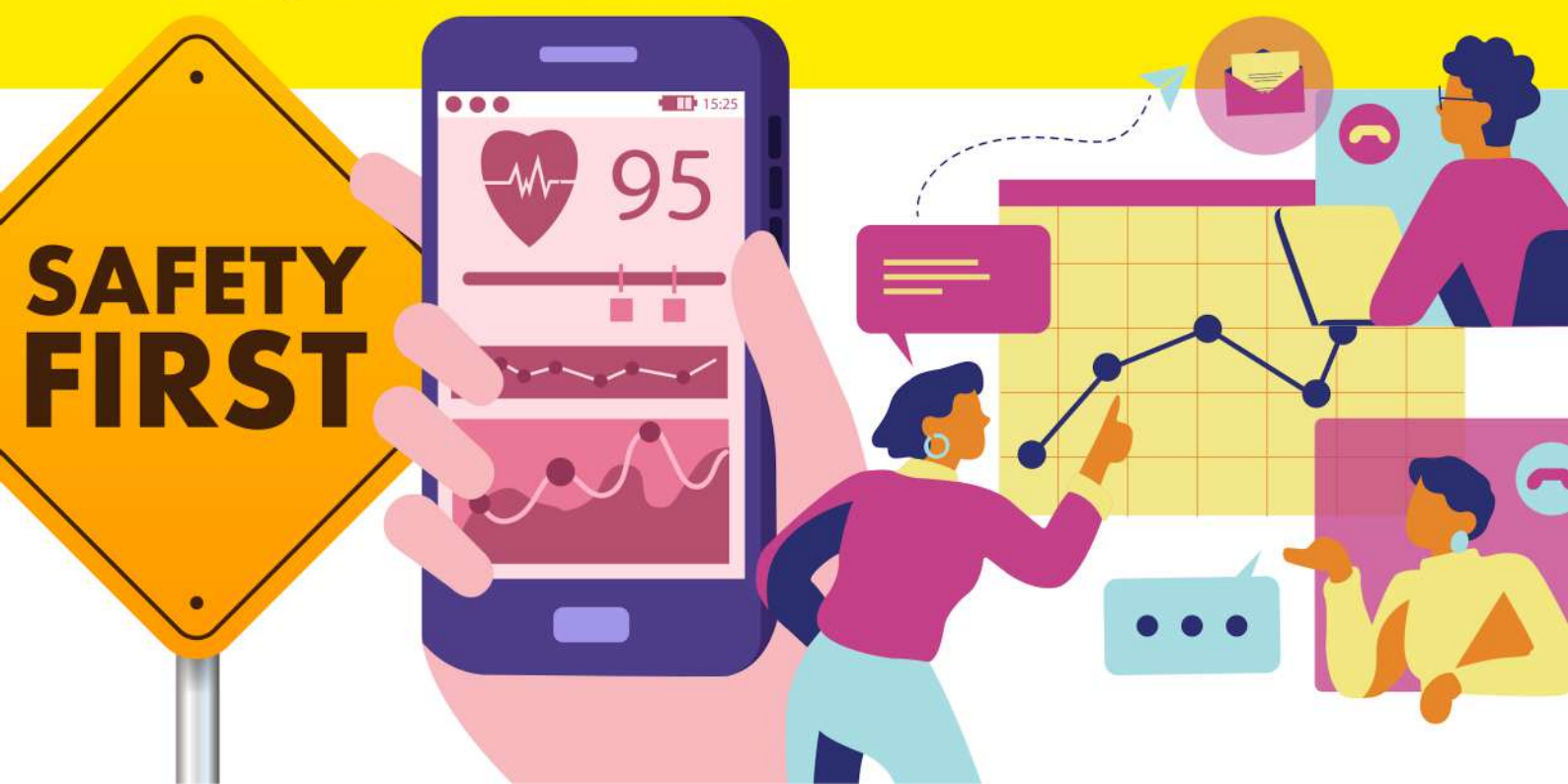


Establishment
of World
Sustainable
Club

STRATEGIC OBJECTIVE 4: **SUSTAINABLE CAMPUS POTRAY**

"A campus (and its citizens) that cares about sustainable nature culture and implements sustainable management and activities in a systematic, purposeful and continuous manner."

"A reflection on the involvement of all citizens in the campus life that is concerned with aspects of health, work safety and environment."



DIGITALIZATION INITIATIVE TECHNOLOGIES

The digitalization aims to intensify cutting-edge technologies including but not limited to :



DIGITAL WORKSPACE



INTERNET OF THINGS



GREEN COMPUTING



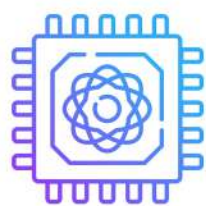
METaverse



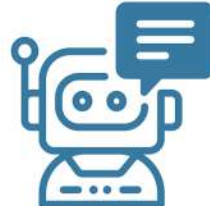
ARTIFICIAL INTELLIGENCE



BLOCK CHAIN



QUANTUM COMPUTING



ROBOTICS



SOFTWARE DEFINED TECHNOLOGY



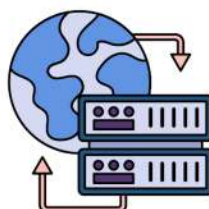
CLOUD COMPUTING



DEEP LEARNING



BIG DATA ANALYTICS



EDGE COMPUTING



MOBILE COMPUTING



DATA PRIVACY & SECURITY



BUSINESS INTELLIGENCE



BIOMETRIC



PROCESS AUTOMATION

DIGITALIZATION INITIATIVE PRINCIPLES

The digitalization transformation is contingent upon the implementation of digital services, which is guided by 9 fundamental principles. These principles serve as the foundation for fostering innovation, facilitating measurement and enabling continuous improvement within the university's digital landscape.



USER CENTERED



SCALABLE



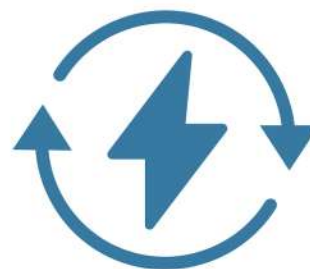
SUSTAINABLE



DATA DRIVEN



OPEN ACCESS



REUSABLE



**PRIVATE &
SECURED**



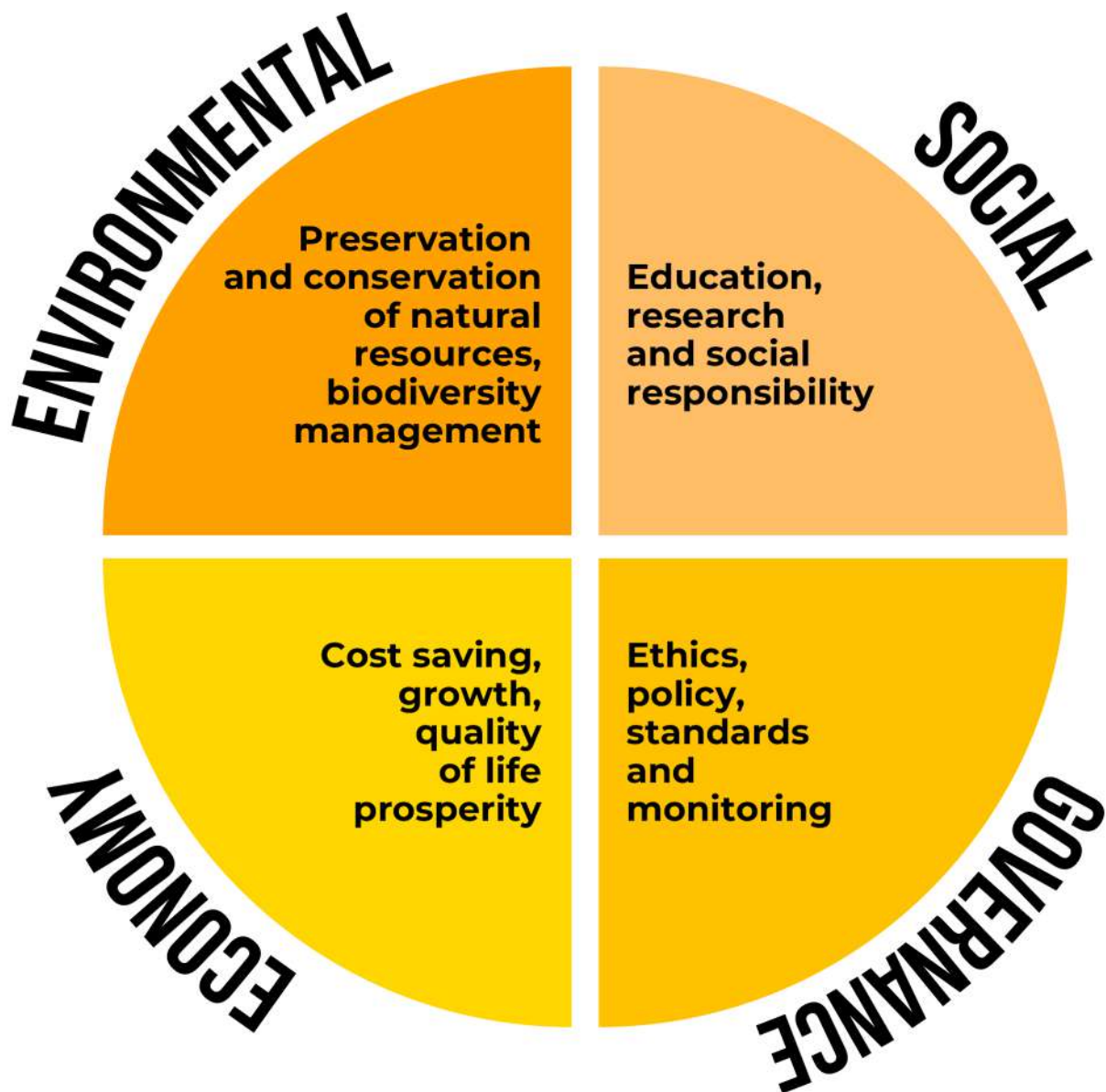
COLLABORATIVE



INTELLIGENT

DIGITALIZATION SUSTAINABLE POLICY

In order to develop a robust, effective, and scalable implementation plan for the sustainable green technology campus, 4 strategic elements are considered: Environmental, Social, Governance, and Economy.



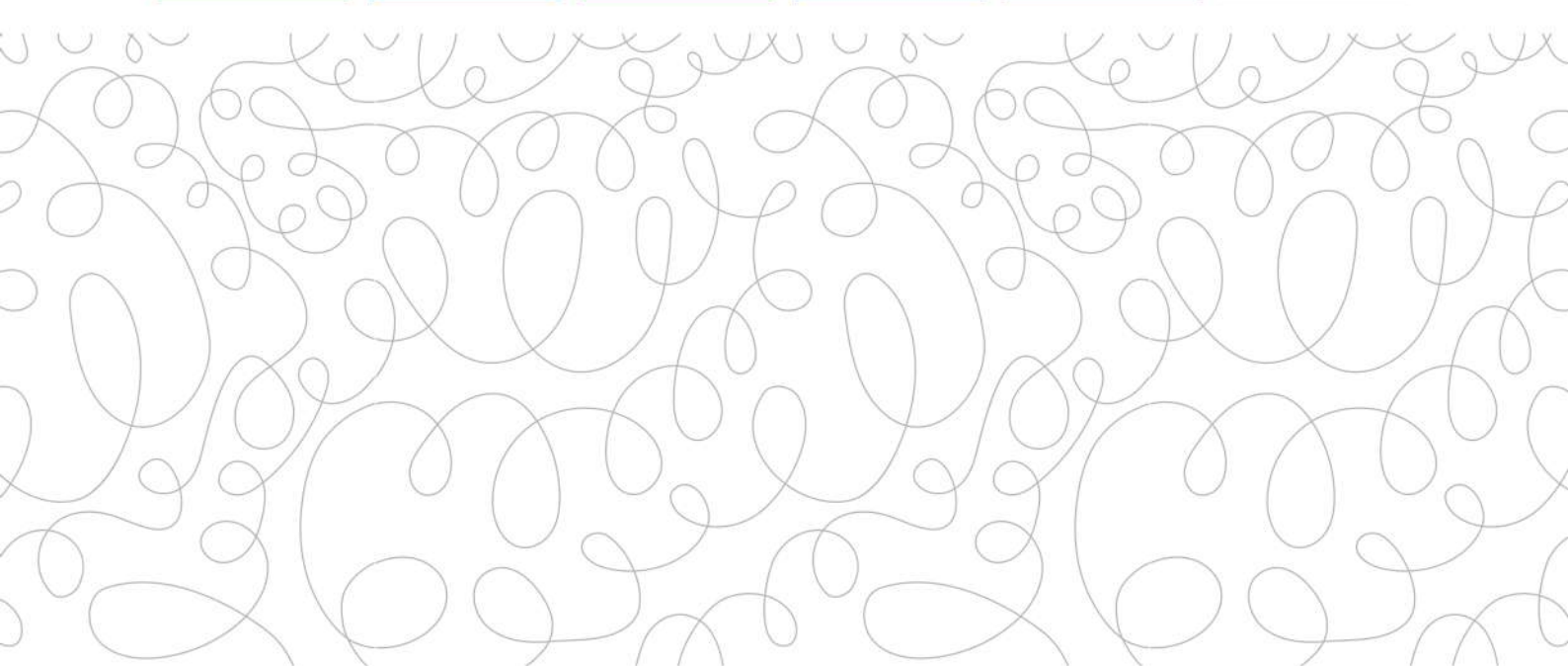
Digitalization Alignment with SDGs

The continuity of digital services with the Sustainable Development Goals (SDGs) enables the integration of technology-driven solutions to address key global challenges and promote sustainable development.



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



SPECTRUM TIMELINE

Visualization of UniSZA Digital Strategic Plan 2023 - 2030 is depicted in 3 stages:

Stage 1 - Establishment

Stage 2 - Accomplishment

Stage 3 - Improvement



CONCLUSION

UniSZA Digital Strategic Plan 2023-2030 aims to create an enhanced digital ecosystem driven by the need of adaptation to the evolving world, leveraging advancements in digital technology by fostering innovation, efficiency, and sustainability.

The plan provides a clear direction and roadmap in enabling open access to the digital ecosystem to achieve productivity and competitiveness of an academic institution.





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