وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH

Supreme Council of Universities

Guidance Manual for Controls of the Use of Artificial Intelligence

In higher education and research science

Third Edition

September 2025

Ahhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhhh
hhhhhhhhhhh

The Supreme Council of Universities is the guide to the rules of the use of artificial intelligence

In higher education and research science

2025

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Eloquence about the use of artificial intelligence tools

ChatGPT-5 (developed by OpenAI) is used to formulate some ideas, develop the linguistic structure, and feel the nuances of this content. The tool's contribution included the formulation of improved language alternatives, an orderly summary of some points, and a rearrangement of paragraphs to achieve

Higheraccuracy,inadditionto selective translation ofsome topics from foreign sourcesof clarity intoArabic,while maintaining themeaning of scientific accuracy. The author has been keen to conduct a thorough review of all outputs, edit them in an integrated manner, and ensure that they are in line with the objectives of the

To ensure that the information is accurate, and the content is safe from any errors or under them for academic and professional purposes.

.Disclosure of the use of artificial intelligence tools is a scientific and transparent art of the art of the tune of the approved machine, including

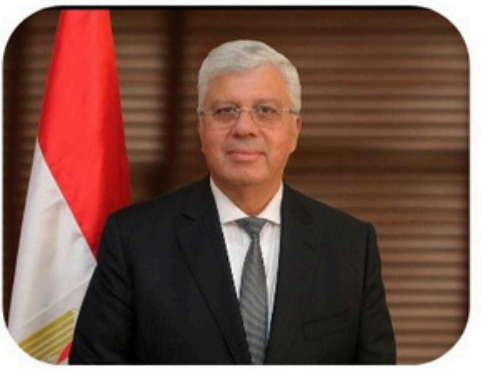
Important Warning

Shadia and not in any way this guide is like illustrative examples and not the tools and the applications mentioned and/or used in

This guide, as well as following the guidelines for the use of any of them or their equivalents, we recommend that you use them. Fai

Instructions orinstructions Make forthecollege,instituteor universitytowhichtheuser belongs.

Guidelines for the use of artificial intelligence in higher education and scientific research



The message of the Minister of Higher Education and Scientific ResearchThe world is witnessing as a result of the rapid changes that are not the development of artificial intelligence, it has become imperative for us to regain the forefront of change, as the future requires our universities to be a marginal actor. We now believe that digital transformation is not an option.

The Ministry of Higher Education and the Ministry of Higher Education has been keen to support this transformation through the development of the structure of the mosque, infrastructure, and the launch of investments, as the education system integrates artificial intelligence as the basis of the education system.

and research.

A critical time, Shadi said the release of this guide is not the first time

Research, research centers, and scientific laboratories. As we witness the widespread applications of artificial intelligence in the halls of the menstrual cycle, we aim to develop a clear referenceframeworkthatensurestheeffectiveandeffectiveuseof thesetechnologiesin a way that

This field ranks as a leading country in the quality of education and scientific research, and puts the center of the p.

This guide is intended as an organizationalandpracticalreference,andtobeabasisforbuildingthecapacitiesofouracademicinstitutionsinaway

National Artificial Intelligence Strategy 2025–2030.

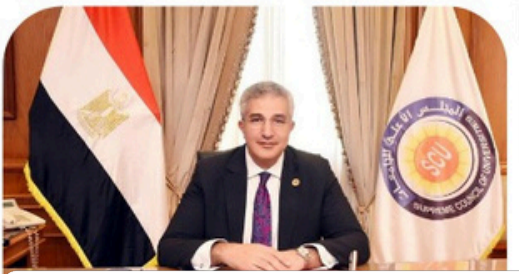
With the vision of Merc2030

Sincerely,

Ayman Ashour Prof. Dr. /

Minister of Higher Education and Science Research

YOU



Message of the Supreme Council of Universities

The higher education sector is witnessing apivotal stage that requires all of us to look to the future, and direct its tools in a way that serves the university's mission of building human beings and producing knowledge. Artificial intelligence is one of themost prominentof these tools, because of its ability to reshape roads.

Teaching Staff

Research and teaching methods and the studenttoachievehigherlevelsof creativity andinnovation.

The Supreme Council of Universities has been keen to develop this guide to be a clear reference for the controls of the use of intelligence, which is based on the best practices of universities, based on the artificial patriotism, ethical strategies, and international conventions for intelligence, and to support decision-makers within academic institutions through executive mechanisms and practical models that can be artificially made. This guide also contributes to

Implementationofnon-reliant policies.

Universities based on the principles of this guide will represent a fundamental step towards achievingthesafeandmeaningfuluseofartificial intelligence technologies.

Ensuring equal academic opportunities and maintaining the authenticity of the educational process.

Best wishes,

Prof. Dr. Rifaat Mostafa
Higher Council of Universities

Guidelines for the use of artificial intelligence in higher education and scientific research

1- General Introduction

I see that higher education and research institutions keep pace with the field of artificial intelligence, it has become amatterofurgency thatthe world is witnessing in light of the rapid developments in the field of science.

Artificial intelligence technologies are ualitative leaps in Artificial intelligence technologies have been instrumental in making these transformations through adoption and effectiveness. The year 2025 has seen

Thenature of the educational process, which has led to a change in the (Agentic AI) N,and the smart agent , Advanced Language Models (LLMs) Generative AI

Research methodsarescience and knowledge production.

It aims to enhance the location of Mars, Alan National Strategy for Artificial Intelligence (2025-2030) Confirming this trend, Mars has launched the third edition

.Africa and the Arab region are smart and artificial in innov so you focus on innovation

In the same context, the Ministry of Higher Education and Scientific Research announced the investment of 10 artificial intelligence and the development of the smart campus, billions of pounds in the strategy of transforming the number of universities in the city. This approach aims to create an integrated learning

All aspects of university life, cloud computing, and artificial intelligence to feel it. (IoT Stuff)

From this point of view, the Supreme Council of Universities should developthe strategiesofartificial intelligenceand its systematicuse of artificial intelligence, and we should develop clear mechanisms that support the adoption of strategies and mechanisms to set the goals of the Astin Cutter, while relinquishing the first

Decision makers should issue a decision that supports the decision-making process, and serves as a practical example of appropriate policies. It also contains

Carry out daily academic and administrative tasks We prepare content and help in employing generativeartificial intelligencemodels.

:Qualifying competencies and building a knowledge economy for universities, this guideis to contribute tothe The Pioneering Role And starting from

- Educational and research environments that ensure the quality of academic outputs.
- Determining the controls and criteria for the use of
- And the safety of artificial intelligence technologies is owards theuse of violations.
- and studentsWe guide faculty members and searchers
- Associated with misuse or over-reliance on these technologies without a clear understanding of their potential and limitations. Reduce risks and challenges

The Arab RepublicofMars,andtherecommendationsoftheCouncilofUniversities, as well as the developmentofnationalpolicies,including Third Quarter of 2025 Take into account this guideUpdates

.The principles of the Charter of Responsible Artificial Intelligence issued by the Supreme Council for Artificial Intelligence, in addition to international and technical standards.

The guide aims to enable beginners, graduate students, researchers, presidents of universities, colleges, institutes, faculty members, researchers in the higher education sector, and aims to enable them to integrate artificial intelligence technologies as a supporting tool for regulators andscientific

Developing a system of knowledge, while maintaining the originality of the academic effort and solid scientificstandards, inorderto nsure the optimal use of these technologies in the

The research Mars Higher Educationand Research Science F.

Atij and the organization of the six frame 2-

Home Context 2-1-

Manufacturing2025–2030 **NationalIntelligence Strategy** 2-1-1-

Field of Poking of the Leading RegionofVictoryEnhancingthepositionofMarsN) The reference framework for the country'sdirectionsinthe

Artificial Intelligence (2025–2030) National Achievement Thunder

Strategy on several main goals and axes. This African and the world are based on artificial intelligence in:

Conclusion: ▪

.May NTVR, a complement to the first edition of the 2021 edition

Atthebeginning of theyearof thestrategy of artificial intelligencein 2025

Third January we wdiitlile on

Announc ifically launch •

.On the Specialized Government in 2025 Platform •

Economic Numbers and Targets ▪

The total output of the proposed strategy aims to raise the contribution of artificial intelligence technologiesto$42.7billion,or 7.7%. •

GDPby 2030 Who is it

Doubling the number of internationally published research , as it aims to

The number of artificial intelligencecandidatesisexpectedtoreach30,000by2030 •

NF Field .

Keys (Six Axes and Six Foundations) ▪

According to media reports and government sources, the six axes clude:

And safe for artificial intelligence to ensure the .use of violators . Governanc •

Developing innovative algorithmic applications based on deep : technology •

The quality and availability of data,while establishinga amework foropendata, we feel : Data •

Topt advanced computing, data centers, and a high- : Infrastructure •

innovationand investmentthatareemergingand . : Clear system •

. international technology and training programs to build national capacities in cooperation with the .Skills ▪

Coordination and follow- ▪

2019. For artificial intelligence we have the National Council of •

It comes by the F on the implementation of

Ongoing Sectoral Processes, Draft Open Data Policy, and ProjectOverview July is the last meeting of the Council in 2025 •

Implementation.

Focus on the theme of education and researchand the impact of theapplicationofthe six ▪

Focusing on a number of key aspects, an integrated axis has been allocated to education and scientific research.

National Strategy for Artificial Intelligence 2025-2030

Themostprominent of them are:

Higher Education Development and Research Science Using • on digital skills and skills across different disciplines, with the academic curriculum to integrate artificial intelligence technologies –

Future.

Through an integrated digital infrastructure, smart learning platforms, and advanced learning analytics

This Grand MosqueSupporting the

.To raise the efficiency of the educational process

Preparing the Bad

Artificial Intelligence for University Students and Faculty Members We create specialized raining programsin the fieldofArtificialIntelligence.

Local universities are offering applied and theoretical artificial intelligence programs, while encouraging research in the field of tificial intelligence.

and international.

Promote researchand

Artificial intelligence within universities, and linking it to the industrial sector and the government, we supportthe establishmentofspecializedresearch centersinthe country.

.Funding for applied research that addresses national challenges such as health, environment, ar

Akat International and Knowledge ansfer

Establishingcooperationagreementswith international universities and researchcentersto

International initiatives to develop artificial intelligence technologies, and ensure that research is aligned with nternational standards andframeworks.

Education and research governanceandethicsof

Education and research environments in a way that preserves privacy and ensurtiefisc iuasl ein Wteleli gdeenvceelop clear policiesTheuseof

tificial intelligence technologies

Safe and responsible.

2-2- Initiatives of the Ministry of Higher Education and Science Research

2-2-1- This Grand Mosque

Quality of education and administrative services, we establish an integrated universitysystembasedonthelatestdigital chnologies, aiming to improve the quality of education and administrative services. :The general idea

All parties of the university system and enhance communication withme.

The most important themes:

Ultraviolet Internet, Secure Data Centers, Adoption of Storage Solutions, Providing Universitieswith Internet Networks :Advanced Digital Infrastructure

Scissors, Modernization of Laboratories and

Media-Supported Light, Interactive Educational Platforms, Classrooms Learning Management Systems : IntegratedEducation

Advanced Multiple Intentions, and ELKT Rating Systems.

Smart Administrative Services: Digitizing all administrative procedures suchasstudentregistration,paymentof fees, issuanceofsecureddocumentsand certificates,NetraInternet, andextendedsupportservices.

, and the application of data protection to ensure the continuity of the establishmentofadvancedprotection :The comprehensive

Work.

Linking academic and administrative databases at the level of universitiesandtheministry,so that decisions based on accurate data are made :Our

and immediate.

Remote Campus such as smart energymanagementand reducing resource consumption we introducekharssolutions. :Environmental Sustainability

2-2-2- Investing in artificial intelligence

- The general: .educational, research and administrative process, and expanding the scope of its useto create a future educational environment that integrates artificial intelligence in the
- The most
- Specialized Educational Work.: Establishing advanced colleges and institutes for artificial intelligence and data science, and developing modern curricula With a market
- Practical Applications:
- Academic and administrative
- Research Initiatives: Applications of artificial intelligence in areas such as health, energy, transportation, environment, and resource management areresearchtypesin the field ofresearch.
- Training and Capacity: , and the student about the latest tools and technologiesImplementing training programs and workshops for faculty members, researchers
- Artificial intelligence.
- AkatInternational&Domestic: CatTechnology Pioneer Cooperationwith Sheh IBM) Suchas Microsoft, Google, and andlocal research centers to develop
- Innovative educational and
- Strengthening the Marsy: Fromconductingadvanced analyses and reachingtheresearchers to the knowledge bank to enable us integrate artificial intelligence tools into the
- The thing is onthe sources.
- Incubators of: Artificial Intelligence We create university business radiators to support emerging projects in the field of artificial intelligence.
- Typical Experiments
- Shamsen University: Launch the "Smart Assistant" system to support the student academically and analyze learning styles
- Cairo University: Developing a research data analysis platform to raise the quality of research and
- Alexandria University: Internet of Things and Artificicarl eInatseell iogpepnocretu, nImitipelse mfoer nptuinbglicSamtioanrt. University Cities Systems, Energy and Water Management Using IoT.
- Other Universities: Systems, performance monitoringsystems, smartinventors, day-to-dayattendanceand sequencing systems.
- alif: Transformation Number and
- Performance Rate and Technological Transformation Setting up a
- Engage with the private sector, sell digital services, and commercialize research results to encourage universities to seek funding urces.
- Transformation of numbers and the application of artificial intelligence We achieve tangible results by roviding financial incentives to universities.
- It's a far cry from the director.
- Quality of Education: Customizedlearningexperiencesforeachstudent,andtheadoptionofcontinuousassessment Locally Researchers Collaborate to Facilitate Access to Big Data and Advanced Analysis Tools, and
- Raising the efficiency of: and . ntern
- EnhancingtheCompetitiveness of: Global rankings, and the transformation into model smart educational institutions achieve advanced positions in the fieldofeducation.
- Promoting innovation and: By supporting Mishari to graduate innovative and connect them to industry and the labor market. entrepreneurship

2-3- Context Countries

2-3-1- International Frames of Reference

- For artificial intelligence the Union oflot(EU AI ACT)
- Origin and Application: Officially adopted on August 1, 2024, the Commission is in its third year after discussions that have continued to create a comprehensive world that regulates all stages of the life cycleof artificial intelligence systems and the Council, and is the first framework of the CH.
- Risk-based approach: The law divides artificial intelligence systems into four basic
- AcceptableGT Risks: Such as group monitoring systems and self-play or behavior. This category is strictly prohibited.

High Risk: Education (e.g. student assessment) or employment, requires rigorous auditing, ensuringtransparency, – verifying Sensitive systems include continuous free, and risk management towards RALBash.

Wheninteracting with asmartsystem,youaresubjecttosimpletransparency equirements, such as disclosure to users.

:Limited Risks–

.With minor regulatory requirements ow risk –

For Implementation Schedule:

: Start blocking the category with a high –Fetter Year 2025

August 2025: Implementation of governance and transparencyrequirementsforhigh-risksystems.

.–August 2026 Transition for Some Apps: Full Implementation of the Law, with FT

We provide a locally adaptablemodeltoclassifyrisksandensuresafeuseofthetechnology.

:Importance of

Mars

(NIST AI RMF) Artificial Intelligence Risk Management

(NIST). American Institute for Materials and •Developer:

The life cycle of AI systems identifying, assessingand managing risks that support organizations in the •Goal:

Basic Ingredients:

Identify the system's objectives, potential outputs, and associated (Map): 1. Planning

Measure performance quality, monitor biases, and assess (Measure): 2. Measurement

Strategies for Risk ReductionDevelopment and mplementation. (Manage): 3. Management

Establishing mechanisms for governance (Government) 4. Governance

It can be adapted as a practical tool within accredited universities to ensure quality and compliance. :Added Value

(OECD AIPRINCIPLES) PrinciplesoftheOrganizationfor EconomicCooperation

To include issues of generative artificial intelligence. Updated in 2024 May approved in 2019 :Tari Dependence

Basic Principles:

Promoting innovation and sustainable Or democratic values and human rights. 1.

2.

Enhance transparency and visibility. 3.

Ensuring safety and 4.

Establish accountability. 5.

2-4- Pioneering International Experiences in Higher Education

2-4-1- A University of Oxford (UK)

Multidisciplinary focus on your Institute of Ethics of Artificial • Established

Research and Education, with the completion of faculty training, we adopted a mandatory policy for disclosure of the use of artificial intelligence.

2-4-2- Harvard University (United States)

The curriculum is designed to teach the Embedded EthiCS Integrated

Al-Mishari has developed a protocol documenting any use of obstetricinstruments.

2-4-3- **National University of Singapore** (NUS)

- We have created smart learning platforms based on adaptive learning algorithms.
- Developed graduate programs combined with applied artificial intelligence skills.

2-4-4- **University of Toronto (Canada)**

- Launched the "AI in Education" Teaching We experiment with smart tools in P.
- Mandatory Ethical Reviews Before Implementing Any Artificial Intelligence System in Education

2-5- Lessons Learned for Sucking

- Referred air : Implementation gradual
- Trans parallel educational : Capacity Building
- Imposing disclosure and control mechanisms on the use of artificial intelligence in the field of investment. Training academic and administrative staff
- Adjusting the international frameworks to suit the local educational and training infrastructure of the European Union, we take a deliberate approach as in the past.

2.6.A Related laws and policies

2-6-1- **Egyptian Personal Data Protection Law** (PDPL)

Purpose and scope

- Personal data, whether within government institutions or by law, aims to protect the privacy of individuals when collecting, processing, storing Private.
- Intra-Marsa Treatment, (b) Applicable to: (a) Extra-Marsa treatment with targeting of individuals within Mars, (c) Providing services within the entities

Basic definitions (for institutional drafting)

- Personal Data –: (e) Direct any data relating to a specific or identifiable natural person (mbash. Religious, financial... Health, genetic, biomet, etc.
- Sensitive Data –:
- Controller/Processor –: The purposes and means of treatment/who is treated on its behalf shall be determined by the Authority.

Principles of Data Processing

1. Transparency
2. Nak not Approval or Sandal
3. Data Subject's Rights
4. Accountability and Provability
5. Security and data breach
6. Purpose
7. Reduce data
8. Limiting storage
9. Accuracy and
10. Ah, and the

The university has no legal basis for the treatment of

- For Dhaha Approval –
  - Implementation of the contract (Academic Educational Services, Al-Ish)–NM Al-Qanoun Raalt (Academic Retention/Mail)

According to ethical Public Interest/Science Research –
With a balance of interests and And the interest is not –
an impact assessment.

Data Subjects' Rights and Response Mechanisms

Purpose, portability (where technically feasible), withdrawal of data when processing is compromised, access and correction, restriction or restriction of the right to record it. –

Border Data Transfer 2-6-2-

, (b) appropriate contractual clauses and safeguards, (c) consent from the data subject, and (d) we allow
(a) there is a level of academic/medical equivalent protection other than the specific exceptions to stacking.

←Are there equivalent countries/contractual guarantees? .Itsh tehere a referral alternative? Yes← Thanks for the BordersptAoceptDataTransfer• Read
stored
←RequestExpansion's approvaland datareducementbefore moving. .Ythees← my name is Arkaba

InformationSecurityandIncident Response 2-6-3-

Quarterly Technical Controls: Shift during transportation and storage, Zero-trust identity and validity management, Fraud Audit Records, Sister Tests. •

Organizational controls: Principle of least privilege, separation of duties, periodic •

.to those affected within reasonable time frames, and a plan to correct an inter CHEDData •
the regulatory authority and the

Artificial Intelligence Products & Services -BY-DESIGN **Privacy** 2-6-4-

Data minimization, anonymity/anonymity, artificial samples where possible,removalofsensitiveattributesfromtrainingsets,andmodel •

(Data Sheets). and datasets (Model Cards)

1.0) and (Issuing AThe CompactCharter of Artificial Intelligence 2-7

What is the Charter of Responsible Artificial Intelligence? 2-7-1-

The Artificial Intelligence Charter is designed in a safe, ethical manner, and is developedtoensurethedevelopmentanduseofartificialintelligencesystems.

Human values are transparent, in order to achieve the public interest and to entail.

Purpose ▪

Protecting the rights of individuals and ensuring •

Promote the innovation of the international and compatible with the Tech. •

Aligning local practiceswithglobalbestpracticeswhiletakinginto account cultural specificity.

The most important thing in ▪
the Charter

Any artificial intelligence system, such as human well-being, transparency, mustfollowaprincipiethatdefines W13 Guidelines •

Adaptability, data protection, and non-

, conducting preliminary trials, forming a principle that outlines practical actions fortheapplicationofguiding :W14 Operational •

Multidisciplinaryteams, sensitive data protection, and performance monitoring.

- Scope of application
  - Start-ups: Government, private sector, academic institutions, and the field of artificial intelligence, so we include all entities working in the field.
  - Operation, monitoring and updating of the life cycle of artificial intelligence systems from the design stage to the stage.
- Guidelines
  - Human well-being
    - 1. first : Make the well-being of individuals and society the main goal of the application
    - 2. Protecting human values : The mother of dignity, justice, equality, and reedom is at ease.
    - 3. Transparency : Clarifying the mechanisms of working of the
    - 4. Fastability : Fromunderstandingtheoutputsofartificialintelligence andthehelpofthetwo user decision-making, we have a strong following.
    - 5. Accountability : Aslegalandmoralobligations for all partiesreferredIdentifyingthe Offender
    - 6. Security : Theythreatenindividuals or societytoensurethatsystemsare ee of risks.
    - 7 :We Remove biases andprotect vulnerable
    - 8. Sustainability : Taking into account the obviousimpact
    - 9. Privacy and data protection : Our national and international compliance.
    - 10. Development Design and implementation stages: We integrate ethical Responsible
    - 11. Directed : Encouraging innovation that serves national
    - 12. Greater : Sectors and actorsWe strengthen cooperation with me.
    - 13. Continuous Feeling : Regularly review and update systems and practices.
- Operational Principles
  - 1. And before the start of Evaluation of the adverse effect ny mash.
  - 2. (Pilot)Preliminary The complete ebuff of the niche
  - 3. .Formationofmultidisciplinary,legalandethicalteamsthatinclude technic
  - 4. Compulsory On our ethical practices for developers and users.
  - 5. Manage risk periodically Specific and clear plans were
  - 6. Non-disclosure to users When interacting with AI systems.
  - 7. Protect sensitive data Using encryption and anonymity
  - 8. with the context
  - 9. Culturally Compatible
  - Periodicreviews of performance by an independent
  - 10. Establish a We're going to correct the
  - 11. Compliance with international standards such as OECD،EUAIAct.
  - 12. Encouraging responsible science research The field of artificial ntelligence is NF.
  - 13. Contingency (Kill-Switch) Stop the system when
  - 14. The Society of Mishar Policy formulation and impact assessment.
- Benefit for Educational Institutions
  - Provides a framework to ensure the misuse of education and science research for
  - We help universities develop clear internal policies for governance, data protection, etc.

3- Ethical Principles and Controls

3-1- The Politics of the Academic LabyrinthintheStickofArtificialIntelligence

Academic research represents an organizational and ethical framework to ensure that the use of these technologiespreservestheethics associated with artificial intelligence, transparency, accountability, and the academic community in the researchprocess,andpreventsplagiarism

- and analyzing global (ENCC)For competitiveness,wesucceedinthestudyof
- e National Council
- Focus on transparency and disclosure, careful review of outputs,andmaintainingtheoriginalintellectual : UniversityofOxford –
- It prohibits the inclusion of artificial intelligenceas anauthor,and obliges ittodiscloseconfidentiality,with : CamterEdgeRadar –
- The curriculum is not to integratethe : HarvardUniversity –

It encourages interdisciplinary cooperation to develop (Embedded EthiCS) sintegration of the differences

Fair and responsible policies.

As the principles and themes are: These practices have resulted in

Transparency and 1.

Writing TextsData Collection, Analysis, or Research, Whether We Document All Stages of UsingArtificialIntelligence or

.Tools

To accurately explaintheroleofartificialintelligence,wededicate or

he section of F.

2. Accountability of the researcher

A critical review of all outputs resulting from artificial intelligence to ensure their accuracy and compliance with scientific standards.

And morality.

Not to use artificial intelligence as an excuse to evaderesponsibility. or

Authenticity and 3.

When using artificial intelligence tools, we ensure that the ideas and conclusionsbelongtothe or

esearcher.

Accurately documenting all sources and references to avoid plagiarism or infringement of intellectual or

Contrary to the law 4.

Local and international standards for the protection of privacy and human or

In light of technological developments, we periodically review

.nstitutional policies in the or

Awareness and 5.

po And the student on the use of the difference in the training of researchers for or

artificial intelligence

stgraduate studies in academic curricula, especially in the integration of artificial or

3-2- Academic Maze Policies International Nest Institutions

3-2-1- Nash HouseandaWorldProviderofScientificand Medical Information ( )ELSEVIER

Carmel Almash

Science and HealthcareFields.Webelievethatthroughadvancedinformationanddecisionsupportsolutions,weareaworld-leadingproviderof

The benefit of all is that we can shape the course of progress for the betterment of our communities.

3-2-1-1- Artificial intelligenceUses Allowed

:LanguageWe

The clarity and language of thetextsshouldbeimprovedundertheuseofartificialintelligencetoolstoimprovetheauthor's ability to

The authorsare fully responsibleforthe content.

Search Design and Methods: AI tools can be used as part of research or methods design (e.g., AI-assisted imaging details of the tools used, including our artificiality). This use should be described in a reproducible way.

•Disclosure:We donotdisclose the manuscriptaboutany use ofgenerative artificial intelligence or artificial intelligenceassistive technologies, so we must disclose transparently, the published work informs the readers of the writing process. The statement of the F.

Cancel allowed Artificial intelligence Uses **3-2-1-2-**

Artificial intelligence tools cannot be given the status of author or co-author,asauthorshipinvolves the responsibilitiesofthe : Author Attribution •

He does it to the bush

It is prohibited to use artificial intelligence to produce scientific, educational, or medical insights, or to draw scientific conclusions, or : Content Generation •

To provide Shiria

It allows the use of generative artificial intelligence tools or artificial intelligence assistance to create or edit images : Create or edit photos •

Thiswaspartofthedesignoftheresearchor methods as mentionedearlier,the

The manuscript violates the policies of Dar Al-Nash We do not disclose the use of artificial ntelligence tools in :Use artificial intelligence withoutdisclosure

Rantaka Al-Khalqiyyat Al-Nash RoqqaAata Elsevier

Table 1 Global Role of Artificial Intelligence: Policies for the Use of Artificial Intelligence

Key moments	Prohibited Uses	Permitted Uses With it	Disclosure required	/ Magazine Rallnach
Editors may refuse to contain the manuscripts Hyper-intelligent contentGenerated ToC Artificial Intelligence.Artificial intelligence	Use of Artificial Intelligence WithoutDisclosure;InfographicsCreatetextandimageswithDepartment of Thanksgiving and Methods of NF	Disclosure	Work	ACSPublications
Intelligent generated contentbad artificiality withoutpermission Behavior Science.	Any intelligence-generated text or Manufacturing without permission	Theonewhoexistswithout Advance	With the permissionof Dhi H	Science Journals
Artificial intelligence tools have trembled over; Ni Z Ralbesh	Use of artificial intelligence No Disclosure	Language Editing, Summarizing	Department of Thanksgivingand Methodsof NF Work	Wiley
Focus on transparency and the use of intelligence tools Artificial Intelligence.	Useofartificialintelligence No Disclosure	Mass, write, write, Summary	Summary and NF Methods Work	SciELO
Policiesvary; you shouldreview our guidelines for theauthor Selected Journal.	Any intelligence-generated content Manufacturing without permission	Mass, write, write, Summary	With the permission of Dhi H	Elsevier
The intelligencetoolscan be included; Crucial.	Intelligence-generated content without disclosure	Language Editing, Summarizing	Working Methods or NF Section Thanks	Nature Journals
The disclosure must be done by About Helping with Intelligence, Craftsmanship and Ensuring	Use of artificial intelligence No Disclosure	Language Editing, Summarizing	Working Methods or NF Section Thanks	Taylor & Francis
Emphasizes responsible use Disclosure of intelligence tools Artificial Intelligence.	Intelligence-generated content without disclosure	Language Editing, Summarizing	Working Methods or NF Section Thanks	Springer Nature

3-2-2- Practical Recommendations

3-2-2-1- Researchers

- Um Kamil by disclosing theuseofartificialintelligenceabout Raalt.
- Critically review AI outputs before listing them.
- Maintaining the independence of thought and innovation.

3-2-2-2- For Academic Institutions

- Adopting written and binding policies for creators to use artificial
- Courses: Integrating Ethics Topics
- Artificial intelligence employs the creation of ethics committees to review research onthesubject.

3-2-2-3- For Supporting and Funding Entities

- Or with the creators, link the financetothe strument.
- Providing ethical solutions to technical and legal challenges in support of research.
- Strengthen international cooperation to develop a common objective.

3-3- Scientific Secretariat oh Disclosure In the use of artificial intelligence

3-3-1- Definition of Scientific Trust

All stages of the use of artificial intelligence, starting from the design of the research and its universal commitment to academic and ethicalvalues.

Transparency, and accuracy of the outputs of the results, which ensures the trench.

3-3-2- He is afraid of impersonation and he is afraid

- Many of the examplesoftheroleoftheNestCompliantwith he policies of the Nest
- Use protected materials without permission.
- Applying internationally approved plagiarismtesting mechanisms, such as

Prohibits the production of false or negative data or results

Springer Nature

Elsevier

iThenticate

Turnitinor

, on the outputs resulting from artificial intelligence.

3-3-3- Protection frombelow

- Models and Outputs We assessandmitigatetheriskof bias in the
- Follow the
- Cultural or geographically,weintendtousedata sources to avoid understatement.

3-3-4- Final Term abuser

- As you emphasize Artificial Intelligence.
- The researcher or student must be fully awareofhowthe tool works and the limits of its work

Final Mandate for Decisions and Content Generated by Intelligence Systems

The offending person bears

AI Act (2024)

European Commission

Before adopting its outputs.

3-3-5- Definition of Disclosure

- It has been used, issued, and a clear and transparent statement that explains the tool or platform that does not disclose the use of artificial intelligence tools, i.e., the production of content or the completion of research, the purpose of its use, and the extent of reliance on it.

3-3-6- The importance of disclosure

The work of understanding the extent to which artificial intelligence intervenes • Promotes transparency enables readers or reviewers.

The Academy •Ensures It prevents misunderstandings or Ivan Rehm, the author ofo tnhe accusationsof lagiarism or forgery.

3-3-7- International DisclosureForum

Science is all stages of the development of the use of artificial intelligence, so we ecommend that it include.

- (UNESCO, 2021): Unesco
- International Committee of (COPE):

Texts Edit Ref to discloseanycontributionfromartificialintelligence,wearestrictonZ

Language, or feeling.

The thank you section or mention the details of the tool so that the author is obliged (Elsevier, Springer Nature, Nature Journals):

- International Rador sh methodology,whileprohibiting theinclusionofartificialintelligenceas an author.

3-3-8- Components of Good Disclosure

- Tool name (e.g. ChatGPT,DALL·E,Gemini).
- User's version.•
- •Purpose From use (editing, translating, summarizing, analyzing data, creating Review and edit the NF output.
- Yarmud the intervention

3-3-9- Example of disclosure

language, i.e., drafting a preliminary draft of the abstract and feeling that we can help ChatGPT(إصدار GPT-4، OpenAI) A tool was used•"

Complete by the researcher to ensure accuracy and consistencyComprehensive review and editing."

3-3-10- Risks of non-disclosure

- .
- Academic violations may amount to rejection of researchor
- The reputation of the researcheror the institution is invalid.

3.4-T Formation of ethics committees for artificial intelligence in universities(accordingtoMa'ayt Advanced Global)

Artificial intelligence is done in higher education environments, and ensuringthatinnovationisakeystepintheestablishment of these committees.

.and the preservation of human and societal values in the technological progressA stri moral governance that supports the public good, and balances the

3-4-1- Goal

In all aspects of the establishment of standing committees with a high level of specialization, the objectives of this founding framework are to establish an integrated governance structure in the national institutions and reference frameworks in academic and research environments, in order to ensure that these uses

Universal or with human values, guaranteeing andpromoting the design oftechnological innovationis a disgrace to scientificcreations. And this framework can

This field has all stages of implementation, with effective response mechanisms to rapid developments in transparency and accountability.

3-4-2- Composition

- Multidisciplinarity: Computer Science, Artificial Intelligence, Law, Technology and Choice, the committee includes a group of academics, public policy, digital economy, emerging technologies, and research ethics, in addition to a specialized aspect.
- Inclusive RepresentationAcademics:Bowman,faculty,andadministratorsEnsuringrepresentationofallsegments of the inclusive society, includingstudents,researchers,andperspectives,allowsfordiversityofviews.
- Information security, data protection, and risk management are all about ensuring that the ethical vision is :Technical and Security
  We areaccompaniedbyapracticaltechnicalcapabilitytoprotectsystems and users

3-4-3- Tasks

- Pre-Evaluation of Projects: Applications of artificial intelligence include artificial intelligence, with comprehensive and rigorous reviews of research and educational initiatives, and acceptance of approvals based on the analysis of their impact and violations.
- Impact and Risk Analysis: We apply quantitative and qualitative methodological approaches to identify and assess privacy, security, and equity risks to mitigate the collapse of access to technologies, and to develop strategies.
- GlobalsuchastheUNESCO RecommendationtoDevelopandUpdateInstitutionalPoliciesandPeriodic : Development Reference
  OECD Principles) and the Artificial Intelligence Risk Management Framework, on the Ethics of Artificial Intelligence (2021) (2019).
- Academic and Ethical Counseling: The student is about the use of specialized advisory support for faculty members and researchEducation and Research.
- or the adopted policies, and the issuance of periodic analytical reports that include the implementation : ContinuousMonitoring and Development recommendations forseniormanagement.
- Review guidelines and policies periodically to keep pace with global technical and legal developments. : Adapt to the latest developments

3-4-4- Validity

- And it contradicts moral principles or constitutes a full validity practice to suspend or redesign any :Suspension or modification of
  Asubstantialthreat to the safety of
- of the current situation and practical recommendations to promote Preparation and submission of detailed reports to senior management, including deepening analysis : Comingtothe Compliance andGovernance.

Raising the awareness of the founder and promoting the culture of use, we developandimplement training programs and advanced workshops that contribute to :Strengthening institutional Responsible and sustainable AI technologies.

3-5- Universities' internal policies on artificial intelligence(preferably Global Practices)

The field of artificial intelligence within universities is not strategic to ensure that innovation and the formulation and implementation of these internal policies is a step

. Freedom of Research and Protection of Academic and Societal ValuesWe ensure clear ethical and legal frameworks, in a way that achieves balance with

3-5-1- Goal

The internal policies of universities aim to establish a clear and binding regulatory framework that defines the controls and standards for the use of artificial Scientific Excellence,ProtectionofPrivacy,andPromotionof OlderInnovation Allacademic, research and administrative activities are integrated to ensure the best possible outcomes.

3-5-2- Policy Components

- Definitions and : Precise definition of basic terms such as "artificial intelligence", "generated output", and "usage"
- Range: •Itcovers policy,suchaseducation,research,science,administrativeservices,andinstitutionalanalysistoidentify areasof need.
- Roles and Responsibilities : Clarification of the security offender of the application and follow-up of the Internet, the specialized committees of the student's phenotypes, faculty members, and administrators. language and data analysis, we make a clear list of allowed applications such as Policies.
- :Permitted and Prohibited Uses .Prohibited applications suchasgeneratingfakeresearchdataorviolating

3-5-3- Implementation and follow-up mechanisms

- Approval Procedures : Artificial intelligence includes obtaining prior approval from the competent committee tooblige Al-
- Monitoring and : Secure the establishment of systems to monitor the use of AI tools, and conduct periodic audits to erify the data.
- Binding Disclosure : Submitted works and the disclosure of any use of artificial intelligence is an art item imposed on the esearchers.
- Training and Capacity Building : .Organizing training courses and workshops to rehabilitate the inclusive society on the use of responsible and violators

3-5-4- Accountability Procedures

- :Report Violations Safe and convenient channels to report any abuse are
- : penalties Define clear penalties that range from warning to academic ban or dismissal, dependingonthe
- Debugging and remediation As a result of the abuse, we make plans for the benefit of any Z.

3-5-5- Review and update

- Audit Periodicals : Understand the review of policies on an annual basis or when needed to keepupwith echnicaland technical developments.
- Alignment with : National and global frameworks and standards Ensure that policies are aligned with frameworks such as the UNESCO Ethics ArtificialIntelligence(2021)and Principles.OECD (2019)

Applied in higher education 4-M

4-1- Basic Applications of Artificial Intelligence in Education

Quality of teaching, and the allocation of educational options, we reshape higher education environments by realizing that artificial intelligenceplays a pivotal role in the

and the student and decision-makers alike, and simplify academic management. Its applications vary to include multiple fields that support the teacher.

4-1-1- Personalized Learning (PERSONALIZED LEARNING)

Personalized learning enables educational institutions to adapt content and activities to suit each student'slevel,curriculum,andlearningstyle:

Effective time, with accurate course recommendations we provide customized dynamic content based on student performance data

Knewton: • Platform • Paclatitvfoitriems.

and

Build adaptive interactive learning experiences, so that questions and activities are tailored to answers that allow the patient to

Smart Sparrow:

Student.

Learningoutcomesforallgroupsbridgeeducationalgapsandfeelthatthese technologieshelp

It relies on complex algorithms such as

•

Adaptation Jokes Introduction

. Recommendation & Editor

4-1-2- That assistant (AI TUTORS)

Smart assistants provide one-on-one support to the student around the clock, using natural language processing and deep learning techniques:

The student has not mastered the language lessons continuously, adjusting the level of difficulty and introducing the vocabulary.

•CustomizeDuolingo

Free Mathematics is a time to analyze the udent's progress in

BAYESIAN KNOWLEDGE TRACING

AI, Tshil: Yozfar (University of st

•Matthew

Exercises thattargetweaknesses.

Smart assistants reduce theburdenonfacultybyansweringfrequentlyasked questions and providing immediate support. •

The World Bank's studies have shown that the adoption of these technologies increases the success rate and improves the brand. •

4-1-3- Educational Data Analysis (LEARNING ANALYTICS)

Educational data analysis enables institutionstomakeaccuratedecisionsbasedonreal-time information:

Graphically display academic performance data, which helps to identify trends and monitor the

•Power BI and Tableau:P

. to evaluate the effectiveness of the curricula

.Interactive dashboards for teachers

Blackboard)

These tools can be integratedwithlearningmanagementsystems •

Allocatingresources to teaching strategies, and analyses can include assessing the effectiveness of the six tools. •

4-1-4- Education Content Setup (CONTENT AUTHORING)

AI-based content creation tools allow you to produce high-quality educational materials that are outrageousandwithoutheneedfora deep technical choice:

Customizable content that includes multimedia, allowing for instant documentation of educational steps.

•RainsScribe

•advance Lumen Learning Open Learning Resources (OER) Can be modified to suit the needs of each group of students, with continuous follow-up

To

• Itscultural andlinguisticadequacyisinfluencedby thedevelopment ofcurriculaandthetools of content preparation supported by artificialintelligencecontributetothe developmentofartificialintelligence.

.UNESCO recommends the use of these technologies to support active learninga ensure the sustainability of educational resources

Specifically: Personalization, intelligent analysis,andsupportinteractivityand inclusiveness, wherethese applications arecombinedasa basis for transforming higher education towards an environment that raises the quality of education, and promotes the parity of academic decisions. The use of these

and Achieve better results at the student and institutional level.

4-2- Personalized learning and adaptation (PERSONALIZED AND ADAPTIVE LEARNING)

higher education, as it allows the design of educational paths that arecompatiblewith themostprominent andpowerful applications of artificial intelligence, so e prepare personalized learning and adapt to

Data that declares the needs of each student, with the ability to adapt dynamically according to their performance and the extent of their knowledge acquisition. This approachis based on thecombination of

student and their interaction patterns with the content, and analyzed by advanced algorithms to deliver precisely designed learning experiences.

• Personalized Educational time and Focus on aligning content,activities,andpresentationwithindividuallearningstyles,ensuringthatyougetthemostout

• We learn to (LikeWe use performance analysis techniques in the ctual time Item ResponseBayesian Knowledge Tracing و Additionalpanelsbasedonneedtoidentifystrengthsandweaknesses,andintroduce ctivitiesoractivities.

• Practical Platfor m: KNEWTON Provideaccurateeontentrecommendations based on student teraction,andtheRalenplatform Re-enact Ralen DREAMBOX Theory)

Designingthelearningpathautomaticallyaccording to the student's responses to

• This method shows the ability to increase the rate of (Mastery Rate) Students with both levels, and reducing the educational gap in me .It also raises the level of satisfaction and

• Atmany universities,thisapproachiscombinedwithpredictive analytics to monitorstudentincomingperformanceandprovide early NF interventions.

4-3- Activated and blended education (INTERACTIVE AND BLENDED LEARNING)

Thepowerofface-to-faceeducationandtheflexibilityofdigitallearning, while takingfuladvantageofthepowerofactiveandblendedlearningrepresentsan

InteractionWe analyze learning behaviors and feel the artificiality of:

• Employs platforms Active Education NEARPOD وKAHOOT وQUIZIZZ Instant activities are a step, and the signs are designed to increase interaction and

• Physical learning environmentsanddigitalplatformsintegrate with me (such as Moodle and Blended Learning and real-time feedback. With the addition of AI tools Blackboar d)

To personalize activities and guide learning.

- Virtual reality (VR) and augmented reality (AR) technologies are augmented learning environments, which increase deep understanding We allow students to immerse themselves in the light of a professional interview simulation Arizona University Aft robot has been used to simulate
- Artificial intelligence can analyze student interaction during interactive sessions, and provide real-time reports to teachers.

Interest or difficulty.

- Immersive and diverse educational experiences in critical disintegration, preparing the student for the labor market, enhancingpractical skills, and mastering this model contributes to the development of the student market.

Preparing Tests and Assessment Using Artificial Intelligence 4-4-

Intelligence and flexibility in the field of measurement and evaluation of education, where the design and implementation of tests using methodssuch as artificial intelligence allows for a qualitative leap in performance, analyzing performance and providing real-time feedback that enhances the accuracy of results and increases the effectiveness of the learning process. It takes advantage of the capabilities of advanced algorithms in the

For both the student and the teacher.

- Generate Smart : AI-powered systems can create a variety of questions including multiple choice, essay questions, Matching,andproblem-basedquestions,takingintoaccountlearningobjectivesandknowledge levels.
- Quality Analysis and Trust : and improve the quality of the students who excel among the algorithms are used to assess the level of difficulty, and measure the extent of the death Qualityofthequestion bank.
- Advanced Patch Toolssuch as: GRADESCOPE و TURNITIN GRADESCOPE AI You correct the tests accurately, Perform and identify common mistakes, and provide detailed feedback that helps the student nderstand and feel.
- Adaptation alendar (Adaptive Assessment): The system adjusts the difficulty levelofthequestionsduringthetest according to the student's answers, which provides Accurate Picture of the Bag Knowledge .
- Predictive Analysis: Tracking student performance over the long term, predicting academic risks early and providing appropriate support interventions, and nurturing enrichment opportunities can be identified for the student who is adopted.
- Integrating Calendar with Learning : Link test results to personalized learning systems to guide the received content and achieve continuous learning.

Support for people with special needs 4-5-

Enhancing inclusive education opportunities by meeting the needs ofstudentswithphysical,sensoryorcognitivedisabilities,aswellasartificialintelligence n the field of

The educational process is their complete joke, so removing the traditional barriers to Machar.

- Smart Assistive Tools such as: MICROSOFT IMMERSIVE READER FOR TEXT-TO-VOICE AND RECOGNITIONSOFTWARE button to convert conversations to text, making content easier to access.
- :Personalization of the Systems allow adjusting font size, background colors, text, and volumebasedonindividualpreferences.
- :The immediate value of sign Computer-based applications convert spoken speech into instantaneoussignlanguage, enabling the deaf student We can easily follow the menstrual cycle.
- (Accessible Content):Accessible content Educational platforms that are compatible withglobal accessibility (WCAG) , so that Usescreenreadersandalternativenavigation
- Guided Learning : Systemsthatidentify the student's abilities and challenges, and redesignthecontentandactivitiestoachieve A lightequippedwithsmartassistantsforpeoplewithdisabilities,andtheuseofrealityglasses,andtheavailabilityofstudy
- Global : .With theeducationalenvironment, we are reinforcingthestude of the weakness of leprosy, so he died of rich interaction

4-6- Linking the applications of artificial intelligence with the quality and academic accreditation (NARS)

The efficiency of educational institutions is a strategy to enhance the employment of artificial intelligenceapplicationstosupport quality assurance and academic accreditation processes.
andensurethecompatibilityofitsoutputswiththenationalstandards.Byintegratingintelligentanalyticstoolsandlearningmanagementsystems,detailed

. Teaching activities and learning outcomes and contains
Accurate performance that links Perlher to Mosh

- Advanced Academic Performance : Leverage integrated learning analytics systems with learning managementsystems(e.g.Moodle)
To accurately monitor student progress, analyze their performance patterns, and measure the extent to which learning outcomes related to Maait Blackboard ,Canvas) And NARS.
- Theperformance atthe levelofthe Tar Namgand the (Dashboards)Dashboard Development:Multi-dimensional interactivere .and the level of satisfaction of attendees and participants, including success rates, the level of maste
- Early tracking for NARS compliance. : Automate the process of comparing learning outcomes and educational activities with academic
Instant support for internal and external audit readiness.
- Supporting Quality Assurance and : The art of quality teams and academic boards using live data to identify areas of improvement.
Curriculum and teaching, and allocating interventions
- :Integrated Archiving and Easily Hungry, Facilitating Audits Secure and Accessible Databases We store academicperformancedata in
External auditors and auditors, and provides ransparency
- : Practical NARS. With the actual time standards and linking it to the performance so it is not a bad show (BI Dashboards) Universities use business intelligence boards

4-7- In the shadow of generative artificial intelligence Yards Hall Management

Generative artificial intelligence opens new horizons for the management of nursery hallsininnovative and efficient ways, through theuse of smart tools for organizing activities, the academy. This approach relies on the immediate ability of generative models to create interactive content, allocate support, and

- Customized and interaction data analysis.
:Smart Educational Aids
Learning management systems to provide instant answers to student questions, and TOFT integrates enerative conversation bots into the
and directing the student towards additional resources ummaries for the muhad.
- :For ContentCustomization Enhances We generate personalized examples, exercises, and case studies during the class based on for the student, which
- :analysis of the reference The active time is a mildew so the Periwinkle and interaction, with alerts to menstruationUse data analysis tools to measure the values f the indicated
You need clarification of the last of
- : Smart GroupActivity Management Al-Mishari We automatically divide the student into balanced groups according to their levels and skills, ndfollowupontheirprogressinthe
Cooperat
- The academy incorporates the following tools for detecting plagiarism and generosity, with clear instructions for the student on the use of artificial intelligence.
- : Learning Powered by generative artificial intelligence, such as instant points and reward systems, (GamificatioPlay Apps n) and positive competition. To boost the motivation

- :Practical ManagementInstitutions that use educational platformsequipped th generative agents We have a dialogue in the hall of the Mother. and provide immediate feedback

On presentations.

4-8- Guidelines for Student and Faculty Members

Student and faculty membersfromsafeandelderlyuseTheseguidelinesaimtocreateahealthyandeffectiveenvironmentforartificialintelligence echnologies in the

Or by academic and ethical considerations, enhancing the quality of learning, and ensuring the quality of higher education, while maintaining the quality of education.

4-8-1- For the student

- : Use the tools with caution and We will talk about disintegrationandanalysisoftheperson,andbalancemetodealwithartificial telligence as an auxiliarytoolandIdon'twant

Benefit from technology and develop your

- : Disclosureand Preparing research or tasks,mentioningthetoolsandthescopeoftheiruse byannouncinganyuseofartificial elligence tools.

In accordance with the university's policy.

- :Content Validation Artificial intelligence is provided by reliable scientific sources, and make sure that it is free of errors.

Or the Tahteh.

- :Enhancing critical deconstruction and Treat AI outputs as astartingpointtobroadenyourunderstanding,andfind ways to develop

Ideas and Improvement.

- :Privacy Protection Secure GT systems or platforms We avoid entering personal information or sensitive academic data.
- Academic Responsibility: Stages When we use artificialintelligence,makesurethatthesubmittedworkreflectsyoureffort,person,and nderstanding.

Preparation or editing.

4-8-2- Faculty Members

- . IntegratingAwareness Courses to teach the student the basics of using artificial intelligence safely and not Why, with a view of allocatingtimein cases

Research and learning are the

. ocess of using it in

- : Designing activities that stimulate Create interactive tasksandactivitiesthattakeadvantageofthecapabilitiesofartificial intelligence, but require the student to analyze

and criticism and the production of an original

- :Define clear and written policies As well as academic work, we set regulations for the acceptable and unacceptable use of artificial intelligence in

The student from the beginning of the course.

- :Monitoring and Evaluation of Use analysis tools andlearningmanagementsystemstomonitorstudentusepatternsand assess its impact onthequalityofthetechnology

Learning.

- :Continuous Career Education We regularly attend workshops and training courses on the latest artificial intelligence technologies and their applications.
- :The academy is to rengthen the Encourage the studenttobecreativeanddevelopmechanismstodetectplagiarismorover-reliance on outputs

Automatic.

5- Artificial intelligence in research science

5-1- The role of artificial intelligence in the science research cycle

The results are all stages of research, starting fromthegeneration of hypothesesand the cycle ofscientificresearch, where artificial intelligence interferes with the fundamental quality of scientific outputs and their review. Researchers rely on artificial intelligence techniques to enhance efficiency, reduce time taken, and make sense.

5-1-1- Generating ideas and formulating hypotheses

- Artificial intelligence can analyze large amounts of published research that will extractknowledgegapsandidentifypromisingresearch
- Use of natural language processing techniques (NLP)
- New hypotheses summarize previous studies and ave been deduced.

5-1-2- Research Design

- Hypothesis testing initially before conducting the actual research Artificial intelligence-basedmodelingandsimulationtools help P.
- Making recommendations on appropriate data collection methods, experiment design,and best methods of analysis.

5-1-3- data collection

- Effective time we collect accurate data p.
- Internet of Thingsusesmartsensingtechniques (IoT) and you
- Pattern Recognition and Computer Vision Applications for Analysis of Images Research Data

5-1-4- Data Analysis

- Machine learning (Machine Learning) and deep (Deep Learning) The data reveals complex patterns in the
- AnalysistoolsAnalytics, AI-powered analytics to deliver accurate and accurate results.

5-1-5- FastResults

- The results are tested and linked to existing theories Decision Support Systems Science based on artificial ntelligence help F.
- It may not be apparent through traditional analysis to detect hidden suspensions and linkages.

5-1-6- Nish and Review

- Drafting them before sending them to the publicationUse artificial intelligence to edit
- This research includes systems for detecting plagiarism and bias that elp in
- Based on the field of research and keywords, the tools to choose the appropriate fields for the research.

5-1-7- Post-Lunch

- Tools for analyzing citations and citations Science Monitoring the impactof
- Learn from feedback and analyze it using sentiment and text analysis techniques.

The accuracy of bribing innovation and achieving resultsisastrongplatformtosupportallstagesofscientificresearch, which contributes to providing artificial intelligence to the researcher.

and reliability.

5.2.a Artificial intelligence tools for research, data collection and analysis

Artificial intelligence tools play a pivotal role in dealing with data organization, interpreting it, and producing advanced scientific insights. These tools not only help the researcher, but also extend to help in the

The quality ofthe analysisand the increased accuracy of theresults will time the story, with a sense of the growth of the data p. Pumping Quantities

5-2-1- Information and reference tools

- GPT-5 Research Assistant: Template-powered smart search academic, summarizingscientificpapersandidentifyingresearch gaps. GPT-5 and to provide references to Ra Al-Bahno, able to understand the context of the
- Semantic Scholar: Uses natural language processing (NLP) and semantic indexing algorithms to understandthe researcher's intention and provide results Rank the research according to relevance and importance, with links to me.
- Dimensions.ai Scopus AI Insights: Comprehensive reports on the impact enable science,displaytrend maps of research, and help Selection of Scientific Fields .
- Connected Papers: Studies, which enables the researcher to discover the basic and derived research of the suspensions of the His field is ugly.
- Research Rabbit: A smart platform to create dynamic reference collections and recommend new sources.

5-2-2- Data Collection Tools

- Web Scraping Tools:مثل PARSEHUB OCTOPARSE و Net, with the ability to set up automatic tasks to collect organized data from the Internet.
- APIs•AsForOpenData: OPENAIREWORLD BANK DATAAPI و Big Data Sources Grant Access to Mabash Ralen .and miscellaneous
- Smart Sensors : TOfield and experimental research, can be combinedwithNF platforms For environmentalorbiologicaldata,weanalyze hefollowing.
- CrowdsourcingPlatforms:مثل AMAZON MECHANICAL TURK .Nick or moments of the publishers to collect
- GPT-5 Study&LearnDataIntegration: Methods of organization, summarizing the And on the basis of a study or non-specialization thatallowsthecollectionand nalysis of data from multiple sources in

5-2-3- Statistical and big dataanalysistools

- RapidMiner وKNIME: Integrated platforms for big data analysis, withsupportformachinelearning and
- SPSS ModelerandJASPwithAIadd-ons: To simplify complex statistical analyses and provide interactive
- Google CloudAI &BigQuery: A secure and secure cloud environment for big data processing.
- Azure Machine Learning: Winch Development& Training Models Widespread T O .

5-2-4- Text and Language Analysis Tools

- Indicator Tools: To analyze repressive texts and deducerecurringconceptsandkeywords.
- GPT-powered Analysis: To generate abstracts, extract key ideas, andgeneratenewresearch
- LIWC (Linguistic InquiryandWordCount): Texts We analyze linguistic and psychological eatures F.
- MonkeyLearn: A platform foranalyzingemotionsandclassifyingtextsusingcustomAllearning
- GPT-5 Study Mode: Reading and analyzing academic texts, with simplified texts provided in a special way to learn and understand research topics. and examples.

5-2-5- Image and video analysistools

- ImageJ وFiji: Specialized Plugins. Analyzes scientific imageswithhighresolution,with
- MATLAB AI Toolbox وOpenCV: Computer Vision & VideoAnalysis We develop advanced solutions in the field of Computer Vision & Video Analysis.
- Google CloudVisionAPI: Suppressed Images To get to know objectsand atterns f.
- QuPath: Anopen-source tool foranalyzinghigh-resolution
- GPT-5 VisualAnalysis: Context of the results of the analysis of research images and videos, with accurate descriptions and

Search

It also opens the door for the families of artificial intelligence tools forresearch,datacollectionandanalysisthatnotonlyenhancestheradianceand accuracy of the work of the Bahn and the investment Philip

Comprehensive and innovative new knowledge discovery, making the research process ACT.

5.3.A For the labyrinth of research, plagiarism, and the permitted and prohibited uses.

Methodologiesfor the productionof knowledge,but thesearethe qualitativeadditionsthatarecapableof bringing about aradical transformation in the use of artificial intelligence in the academic and the controls of practice, both institutionally and individually, firmly rooted in the principles of tenuity, and the potential

Ensures transparency, safeguards intellectual property, and preserves the originality and accuracy of the product in accordance with ethical and legal standards.

5-3-1- Research Labyrinth

- :Systematic By disclosing in detailthenatureoftheartificialintelligencetoolsused,theobjectivesofemployingthem,andthe It has been incorporated into it, which enhances the verifiability and reproduction of the
- :Cash Verification• After subjecting the outputsofartificialintelligencetoacarefulreviewandacomparativeanalysiswithprimarysourcesand Ensure its reliability and uncluttered nderneath.
- :SolidAcademic Artificial intelligence systemsaccordingtotherulesofcitationR.M.byattributingallreferencesanddata generated or processedbythe Ithasadollar's nowledgeofthe dead.
- Responsibility and Accountability: The full mandate of the researcher for all published data and conclusions, regardless of their reliance on Affirmation of the abusive principle

Smart gadgets.

5-3-2- Fraud and prohibited uses

- Textual and intellectual plagiarism: Reusing content or ideas derived from the outputs of artificial intelligenceorother sources without documenting the correct insult is a serious violation of the Ethics of Artificial Intelligence.
- : Al-Khalal in Submitting automated outputs that have been modified or analyzed as an original .
- : Infringement of AgreementsInsertingprotecteddataorcontentwithoutobtainingapprovalsorlicensesisaviolationofthe ws.
- : Playing with data Outputs is the practice of anti-creationism of research, generating fictitious data or results for the purpose of sensationalism.

5-3-3- And the uses thatarenot

- : The observer supported Tasks such as summarizing literature, preparing preliminary drafts, or analyzing big data, we employartificial telligence in the

Accurate and documentationof datasources.

- : knowledge Use smart tools to organize references, manage databases, and draw statistical and knowledge patterns.
- : Linguistic Editing Texts without compromising the content of science or its substantive languageUse of language revision software to feel it.

Developing research and statistical skills within guided learning environments We employ artificial intelligence in the field of research. : Passion Training

5-3-4- Recommendationsto ensure compliance

- Establish clear and detailed institutional policies thatdefinethe rulesof use andtheroles of
- Using artificial intelligence, we are mastering and enhancing the awareness of the postgraduate student and organizing specialized training programs for the researcher.
- Integrating spoofingdetectionandautomated ¡Thenticateو Turnitin Scientific Works Review System NF.
- .To support researchvaluesAwareness initiatives and practices that the Aca terested inpromotingthecultureof

5-4- Research Tips Using Artificial Intelligence Tools

They use it with high professional ethics. In the case of research, the formulation of the word is effective, so the tools of artificial intelligence can be a great thing.

A set of practical tips:

- :Start bysettinggoalsclearly Beforeusinganytool,carefullydefine the research objective, its key questions to fill, and the knowledge gap.
- Take advantage of smart search tools : Use platforms like SEMANTIC SCHOLARأو GPT-5 RESEARCH ASSISTANT
- Explore the relevant literature and summarize key findings and discussions.
- Develop a Theoretical : Rely on text generation tools (e.g. ChatGPT, or Writefull) to draft a theoretical framework, then
- By proofreadingandimprovingitwithyourscientificstyle.
- Be sure to be authentic : Don't rely on the generated texts as they are; rephrase them, and combine them with your own
- Plan yourresearchmethodology : Use platforms like DIMENSIONS. AI RESEARCH RABBITو Define curricula, methods, and appropriatedatacollection
- Check the accuracy of the : H.Smarttools,anddocumentthemaccordingtotheapprovedcitationcriteria and review all data, figures and eferences.
- Maintain sound academic language : Use proofreading tools such as: Grammarlyأو Writefull Wording, making sure we feel
- Accurateknowledge eeps the meaning.
- The ethics of the search went : h. Avoid spoofing or manipulation of data.
- Idon't use the feedback : Afterusingsmarttoolsorcolleaguestoreviewthem, share your draft with Mash.
- :Remember thatartificialintelligence supports the alternative For your research skills, I don't want to make the role of your tools.

5.5.T Data analysis, image testing, and results generation

Amal Academic environments are not able to analyze data, image visualizations, and generate research results, especiallythebasicart of artificial intelligence.

Huge data and a variety of sources and formats. The optimal use of these techniques requires a deep understanding of the available tools, and the ability of the graduate student to design and achieve an integrated analytical methodology that takes into account quality and accuracy. Intheyear anexpanded setof

Benefit:

5-5-1- Pre-incubation ofdata

- Cleaning databeforeanalysis : fields to ensure that we remove duplicate or valid data and address missing values, while checking for consistency with
- Choosing the right formats : Use file formats that are compatible with AI tools (e.g. CSV, JSON, or Parquet) to make it easier

Reliability of results.

Processing and integrationwithbigdataanalytics platforms.

- Data (Data Annotation): The status of the leprosy or text data, make sure there is an accurate characterization to ensure the effectiveness of the NF forms Training.

5-5-2- Choosing the right analysis tools

- Use platforms such as: JASPأو SPSS MODELER With the components of artificial intelligence, Advanced Ana with the activation of the analysis Multi-variants and predictive models.
- Use tools like: Big Data Analysis GOOGLE BIGQUERYRAPIDMINER APACHE SPARK to Handle Large-scale datasets are grotesque and efficient.
- INTEGRATE MACHINE LEARNING TECHNOLOGIES: WHEN YOU NEED TO DETECT PATTERNS OR CLASSIFY DATA, RELY ON LIBRARIES SUCH AS SIKIT-LEARN OR TENSORFLOW.

5-5-3- TFST Images and Visual Media

- Computer Vision Tools TAKE ADVANTAGE OF IMAGEJ AND MATLAB AI TOOLBOX Medical and Scientific Image Processing and Analysis, NF With the application of pattern recognition
- : Accuracy of Models Training We train models using high-quality and diverse labeled data, and testing them on unused data Toensurethereliabilityofthe results.
- :Video Analysis Use video analysis techniques to extract time patterns when dealing with dynamic visual data.

5-5-4- Generate and view results

- :Validating results or scientifically validated methods, and use cross-validation methods to verify the results by comparing them th the Bish analyses. .When building (Cross-validation)
- Use tools like: We imagine POWER BIأو TABLEAU or software libraries PLOTLYلعرض وMATPLOTLIB such as The results areeasy tounderstand.
- :Formulate conclusions objectively , and avoid projecting GT supported conclusions and only show what the data is clearly supported.
- :Sensitivity analysis Perform tests to measure the extent to which the results are affected by the change of inputs or parameters.

5-5-5- Ensuring Scientific Labyrinth

- :Full documentation of the analytical Accurately record all work steps, settings, and tools used, to ensure that the experience can be Data Processing or FastMethod We divide the methodology of how artificial intelligence tools have ontributed to the clearly mentioning
- :Disclosing the Role of Artificial Images or support conclusions.
- :Check for repeatability Make sure that your results canbereproduced when you follow the same procedures.

5-6- Knowledge and Review

Extended Tips for Researchers and Students

In it, new knowledge is presented on the basis of scientific research, where the stage represents the basic points of science and revision from the thunder of the spark. With the development of artificial intelligence technologies, it is possible to benefit from them from the academic community and evaluate them accordingto the quality and qualitystandards.

Efficiency ofreview,andexpansionoftheimpactofpublishedresearch.Inaseriesofdetailedtips,toolstoenhancethequalityof search manuscripts, alif

. and the postgraduate student to benefit from these techniques for the researcher

Tips for Researchers and Students 5-6-1-

- Choosingtheright
  - JOURNAL/AUTHORNAMEESTIMATOR(JANE) Like with tools use– ELSEVIER JOURNAL FINDER، أوSPRINGER JOURNAL SUGGESTER
    Inaccordance withyourresearchtopic and scope,you an select the journal you are looking for.
    , the Accessibility Factor,andthe Open AccessRequirementsBeforeMakingaDecision –
    It is one of the fields that have been inspectedtoverifythatthejournalisnotincluded n the blacklists. –
- Manuscript QualityWe feel:
  - and drafting. Use languagereviewandeditingtoolssuchas Grammarly Premium، Trinka وWritefull To check the style –
    Clarity of the Scientific MessageWe use text analysis software to detect fillers,repetitions,orambiguousphrases,andto make sense. –
    Integrate specialized terminology proofreadingtoolstoensureconsistencyof –
- The Academy includes originality nd the following:
  - Before submitting the manuscript, check it with plagiarism iThenticate أوTurnitin , and maintain a low similarity ratio. –
    In the required documentationmethod(APA,MLA,Chicago, Ensuring the accuracy of the IEEE) –
    Avoid listinglicenseddataorfees,andgetthenecessaryinformationbeforeyou publish –
- Efficient Reference
  - Zotero Mendeley Artificial intelligence is to insert the quotes, and take advantage of who died Use reference management software and arrange –
    Research teams to unify sourceswhenworkinginreference raries Rice –
- View data and resultsWe feel:
  - Table Datawrapper أوFlourish To ensure the attractiveness of Design charts and tables with AI tools such as –
    Presentation and ease
    To increase reader engagement with the UltraElectGraphsattheNishweintegratetheF number interaction tools. –
- Benefit from the Advance Review:
  - Research Square Provides initial moments about text quality or automated review tools. Try pre-review platforms like– before sending it.
    Chooseafieldoracademic reading groupstogetearlyfeedbackfromRastch. –
- Avier Bahtan Dealing with Client Moments:
  - Categorized into key and procedural pointsWe use textanalysistoolstounderstandreviewer comments. –
    Reformulate responsesinprofessionallanguage, –
    Keep a structured record of allmomentsandcorrectiveactionsperformed.
- Follow-up of the impact of the search after the publicatio
  - Google Scholar Citations Altmetric، PlumX، و Cat, and the Ether to monitor the testimony, indicated Rely on tools such as – Scientists for your search
    Receiver and development of theprojectanalyzed data to identify opportunities forcollaboration. –

5.7.A For positive and negative effects and application guidelines

Artificial intelligence represents a powerful lever toreshapethescientific research system, as it providesvast opportunitiesto promote innovation and raise the efficiency of research processes, while at the same time imposing technical and ethical challenges that require careful management and good governance. These tips are directed to the researcher who is to ensure the optimal and conscious use of these technologies.

alif

5-7-1- Positive Feedback

- :Enhancing the accuracy and

The research cycle is called Science: Data Collection, Analysis, and Conclusion Extraction, andweexploitthepossibilitiesof artificialintelligence to reducethetime ittakestodisassemble theElastinCutter thatallows theresearchertodevelop. data, and reduce the use of advanced algorithms to detect complex and stuck patterns

Errors caused by manual analysis.

- :Scale and Analyze Capabilities

The researcher is concerned with dealing with large and diverse datasets of sources, including textual data.

Digital, and fictitious.

- :

.Generatenewhypothesesand research ideasbased on predictive analysesand

Creativityandinnovation

Artificial intelligence platforms for multidisciplinary research teams and geographies to facilitate the workof e work.

WorldPromotionof

I

blinked.

5-7-2- Negative Effects

- : The risk of over-

Divergence from critical evaluation in favor of AI results may lead to the acceptance of accurate or supportedGT Data, which adversely affects the results and conclusions, we may introduce or amplify biases in the data.

: Al-Khwarizmin

- :Decline of traditionalresearchskills

Poor ability to formulate hypotheses or conduct independent analysis as a result of over-reliance on

Instruments.

- :Privacy andsecurityrisks

Sensitive datamaybecompromisedormisusediftheprotocoldoesnotimplementstrong

- :Fast weare

.Difficulty in understanding how algorithms arrive at certaindecisions or outcomes, hindering transparency

5-7-3- Practical Guidelines for Researchers and Students

- : Technical and BalancingCapability

Use artificial intelligence as an aid to critical analysis, not a substitute forit.

- : Multi-level reviewandverification

Comparing the outputs of the different tools and reviewing them scientifically to

- : Focus on tools and

Don't rely on a single platform or model; try several options to compare and evaluate the The research was conducted on the basis of where and how artificial intelligencetools were used in a clear response from.

- : D

ocumentation and

Develop your analytical and critical abilities in addition to learning to use technical ools.

- : Enhancing Research

Research and protection of intellectual property in local and international referencesto ensure legal compliance.

:Or withthemoral

a'ayat

Security StrategiesoftheSetter

: pply

Make sure that all data and outputs are stored and secured to the highest standards of protection.

6- Smart Agent In science research

6-1- Research Definition ofaSmartAgent (AGENTIC AI) And their importance in education

Agentic AI is advanced AI systems designedtooperate with ahigh degree of autonomy, so that they canaccommodate their strategies based on complex goals, develop multi-step plans to achieve them, and perform the necessary actions efficiently, with the ability to modify the environment or data. What makes them capable of planning, reasoning, and continuous learning is what makes them capable of performing these systems is their integration.

Tasks that go beyond traditional automation.

Key Features of Smart Agent

6-1-1-

- Independence: Each stage, taking into account the general goals and the ability to make informed decisions and implement actions without detailed instructions in the Specific.
- Continuous: We analyze new data and employ previous choices, depict patterns and feel the improvement of performance over time. Responses.
- Multi-channel: Built-in systems through text, audio, graphical interfaces, or the ability to communicate with users NF working nvironments.
- Ability to integrate: collect and process data from diverse sources (e.g., databases, research repositories, sensors) to provide Accuracy and richness Rastabat Act
- Dynamic adaptation: Operating environmentoruserneedsWereadjustgoalsorworkingmethodsaccording tothe hanges in the

6-1-2- The importance of smartagencyin education

- Instant learning: Adapt the content, activities, and difficulty levels to suit the student's learning style,interests, andinterests.
- Round-the-clock support: Tuft's smartandalwaysavailable helpchannels are availabletoanswerstudentqueriesand guidethemto
- Teaching Efficiency: Automate processes such as preparing tests, evaluating performance, and creating interactive learning materials, which gives the school For creative interaction.
- Education Interaction Analysis: Teaching MethodsTeaching andPerformanceExtracting insights thatsupport curriculum development and improving the monitoring of teacher patterns.

6-1-3- The importance of the smart agent in scientific research

- You want access to information: Author of digital resources and provide accurate contextual summaries Rathwan Rahwan Conduct in-depth searches in the field of Thomas.
- Big Data Analysis: Use machinelearning andcomputervisiontechniquestoprocessandanalyzevastamounts of research data and extract New conclusions.
- Decision Support: Providing evidence-backed recommendations based on statistical models and simulations, which enhances
- Smart, cooperation, compassion.: Time is effective, data and insights, task organization and multidisciplinary team managers to facilitate work and collaboration.

6.2.a An advanced applied example of smart agency in the university environment

6-2-1- The research agent of the academic

Dalí is hungry for institutional databases and global digital libraries, with the application of EST techniques to perform in-depth and wide-ranging searches related to the extraction of references and sword analysis.

- Abaeter produces comprehensive analytical summaries that include theoretical and methodological dimensions, and Telpin's
- For
- Previousstudies to support the construction of the theoretical framework
- h. Innovative research topics for graduate studies, based on the latest global research trends, accurately and accurately identifyknowledge aps.
- Those refereed areas and specialized international conferences are not the most appropriate academics, including thosethat provide guided recommendations on niche channels.

6-2-2- Personal Learning SupportAgent

- It monitors a student's academic progress trajectory using predictive learning analyses, and accuratelyidentifies
- Interactive tools, advanced science articles, and immersive educational simulators that feature personalizedlearning resources, including a facilitator.
- Develops dynamic personalized learning plans that are updated based on actual performance, takingintoaccount
- , and the dates of entitlementsWe provide real-time feedback and smart notifications for both students and faculty members regarding chievements, assessment requirements.

Academy.

6-2-3- Vice Dean of Research Collections Management

- performance of selected devices and equipment, and applies predictive maintenance models to reduce thrateof ailures of the Casetime Monitor F.
- In its early stages, it produces preliminary technical reports to support research decisions and collects andanalyzes empirical data in a deliberate manner.
- Six trials verify the availability of research supplies and issue proactive alerts to avoid shortages or disruptions.

ResearchProjects Weorganizethescheduleoftheuseofthetestingfacilitiesinawaythat ensures operational efficiency and avoids conflicts.

6-2-4- Administrative Support Agent Al Kadeem

- and meetings are highly efficient, and we reset them in response to immediate contingencies andcoordinate e schedules of the patient.
- Ittracksand generatesin-depthanalyticalreportstosupportacademicplanningandanalysisof tendance andreferencedata
- Manages the registration and advising processes of the academy and the coordinationofstudent
- It integrates with management information systems to ensure the accuracyandintegrity of data, and it is continuously updated.

6-2-5- Intelligent EvaluationAgent

- .For the We design adaptive assessment tools supported by real-time analytics, so that the natureandlevelof questions adaptto thedegrading performance
- Performs the correct corrections supported by the fast type of errors and detailed momentsforeach
- Recommends targeted therapeutic activities or advanced enrichment opportunitiesbased
- With transparent reporting to faculty and administration, we integrate advanced mechanisms to detect plagiarismand nsure accuracy.

P(PROMPT ENGINEERING) Drafting inquiries M 6-3- University Environment

This topic illustrates University environmentsWeusethebest internationalpracticesand academic standards, to be a comprehensive reference for students and faculty members.

6-3-1- The Importance of Formulating Inquiries in Higher Education

:Effective Guidance for Artificial Academy. Contexts We formulate precise and clear inquiries that ensure high-quality and reliable outputs.

:Raising Learning Efficiency Criticalanalysis andcriticismare key,allowing for improvedmodelsthatreduceturnaround timeandavoid duplication and compaction.

: This is the academy and Thoughtful inquiries prevent plagiarism and ensure compliance with corporate policies and omplia nce we enhance the

:Deepen Active Learning• The learner has a carefully designed headset that stimulates critical deconstructionandanalysis nd enhances self-research skills.

:Customizing the learning • Artificial intelligence tools are used to adapt the outputs accordingto the needs of the student and their level.

process

: Advanced moment GPT-5 Environments using modelssuch as NF activating ITERATIVEROLEPROMPTING و Atigater recommends

REFINEMENT و frequent processes to ensure outputs based on GROUNDED reliable sources, with a review of the BUSH. RESPONSES

6-3-2- Fundamental principles of formulating an inquiry (Actua lly the PROMPT)

:Precisely identify the target of • Is it necessary to analyze, summarize, design an experiment, formulate a hypothesis,or

:Thompson Comprehensive Includes the academic material, the level of depth required, andthetarget

:Clearly define the role of Behavioral economics is an example: "Lined up as anacademic eviewer for a scientific journal P".

:Imposing strict restrictions Determine the output length, format, number of references,and

: quest Audit and self-Verification Subject to a review to ensure consistency and qualityof outputs.

: T gradual repetition and ensitivity Initiating and developing preliminary draftsbasedon

:Manage data with Avoid entering any personal data or copyrighted content.

:AsOr by the international frame of UNESCO AI Ethics وOECD AI Principles.

6-3-3- Drafting Framework Inquiries (PROMPT ENGINEERING)

• ROLE: Determine the required specialization

• TASK: Describe whatisrequiredspecifically

(CONTEXT): •Context State the area of knowledge, the levelofthestudent,and

(CONSTRAINTS): •Restrictions Language, formatting, text length, reference ferences.

(OUTPUT): Output • Required final shapeand

• Evaluation (EVAL): Quality and consistency review

6-3-4- Advanced Topics Rast

Few-shot prompting:• Include high-quality abbreviated examples that illustratethe

Chain-of-thought prompting:• Request for the presentation of the analytical steps leading to the result (subject to

Grounded prompting:• Link answers to specific academic sources or reference data.

- Decomposition prompting: Breaking down the task into smallerstagestoachievegreateraccuracy.
- Role-based prompting:• Define multiple roles within a single router to enhance depth.

6-3-5- Practical University Scenarios

- :Literature Review• Identify themes, formulate research questions,andbasic
- :Preparing an integrated Includes hypotheses, methodology, and
- Experimental Data Setting steps for analyzing the statisticsor
- :Educational Session .with specific and measurablelearningobjectives,with
- :Formulating adaptive The academy is the one thatwe se the application of the ma'aital. assessment questions

6.3.6.Framework Evaluating the Outputs

- Relevance: The extent to which theoutputsare lated to the original demand.
- Accuracy: The accuracyandscientific
- Traceability: The ability to trace informationtoits
- •Ethics: Or the moralandacademicma'ayat f Rachel.
- Readability: • .Text clarity and organization

6-3-7- Practical Tips

Faculty Members

- Recommended Activities We provide standard routing templates for se by F.
- Output: We design tasks that require a clear sequential effect.
- Final Version). Implementation of the system of interim reviews (draft, review,
- MISS. Train the student in the use of assessment tools such as

For the student

- Start with simple exploratory
- The accuracy and depth of the router gradually bend to become an act.
- Rephrase the output to combine it with your person's analysis.

6-3-8- Pre-Implementation Checklist (Inquiries PROMPT VALIDATION)

- The goal is clearly defined.
- The context is complete
- The restrictions and controls e clear.
- Verified data is built-in.
- Or institutional policies, they onfirmed.

6-3-9- Advanced Strategies (Expanded Rast)

- Few-shot prompting: إدراج High-quality shortened examples illustrating the desired pattern, with examples intended to cover different styles of Answers.
- Chain-of-thought prompting: طلب Display the analytical steps leading to the result (subject to privacy controls), and can be combined .With the Legacy of Validating Every Step
- Grounded prompting: ربط Answers with specific academic sources or reference data, with a requesttoreferto pages or research Approved.
- Decomposition prompting: Breaking down the task into smaller stages to achieve greateraccuracy,suchasdividingresearchwritingintodata Analysis, and drafting.
- Role-based prompting: تحديد Multiple roles within a single router to enhance depth, such as "analyst", "auditor", and "editor".
- Meta-prompting: Routing Router itselfbeforeusing it, to ensurethe perfectformulationofourtoolfor
- Multi-turn refinement: Reaching the Result Based on the outputs of the previous router, we adopt the use of a series of complementary routers. Final analogy.
- Self-evaluation prompts: Adding instructions to a tool to evaluate its output against specific quality parameters, such as the RATER framework ,andthe issuance of a port Strengths and weaknesses.
- Ads to avoid the limits of knowledgeor .We test the tool's responses by asking difficult questions or scenarios to reveal potential
- Cross-model prompting: Ruman Artificial Intelligence Model (Academia or General) and Compare It to Get theResultsofACT tegrating Outputs from ACT Accuracy and reliability.
- Context layering: →strict restrictions)to guide →Fine Details Sequential layers of information (generalintroductiontotheguided And thoughtful. Response gradually.

6-4- Use of Smart Agent Controls and evaluation (AGENTIC AI) In education

Smart (Agentic AI) Represents a merger Educational and assessmentenvironmentsare aradical transformationthat requires the evelopment of a comprehensiveandrigorous regulatory framework,which achieves the Nic Academic excellence, the protection of individual rights, ensuring the maximum use ofadvancedtechnical capabilitiesandmaintaining balance
All educational processes. This promotion aims to provide higher education institutions withanintegratedset ofpoliciesandpractices.

.Safe and responsible use of these techno

6-4-1- Transparency and Founder's Disclosure

- Preparing and obliging all academic parties, including students and faculty members, to disclose in advance any use of the smart agency administrative processes, specifying the tools or models used in the educational or research materials or the P.
- Alloutputsaccuratelyillustrate thenature of the contributionoftheintelligentsystem,thescopeofitsintervention,anditsimpactonthe product, with a comprehensive approach to the system. Indicate boundaries andresponsibilities.
- Adoption of standardized disclosure forms at the enterprise level to ensure consistency and auditability.

Audit and Verification 6-4-2-

- produced by intelligent agents, with a clear determination of the inputs of all the direct academic references of the
- Approval of the findings and documentation of the review
- Develop a specialized review protocol, including checklists and quality assurances, to ensure that outputs are consistent with educational
- Approved
- Or by policy, conduct periodic random reviews for quality control and verification f equipment.

Privacy and Data Integrity Protection 6-4-3-

- Outside of secured institutional systems, with the application of shifting technologies, Agentic AI environments that prevent the entry of any personal data or sensitive information into the
- or its equivalent, including technical management of the validity, GDPlocal and international data protection, and ensuring that the procedures are in line with the laws of the R
- Data retention and deletion policies.

Data with Secure GT Systems Implement awareness programs for students and f risks of MASHAR.

The labyrinth of the academy **Maintain** 6-4-4-

- or perform individual assessment tasks on behalf of the student, or provide any form of input to generate answers.
- Imposing multi-layered verification mechanisms including tools to detect plagiarism in text and evidence, and comparing the outputs with the
- .With academic discipline Maybe TDevelop clear penal policies for use violations• Itoach O

Sub-Algorithm Management 6-4-5-

- Multiple areas to ensure and address the selection of methodological or cultural representation, with DownwarConduct periodic reviews of forms to detect d
- Equitable.
- Adopt diverse and culturally and linguistically inclusive training data to ensure equity and
- Their summaries to enhance transparency document the results of the bias tests winch

Consistency with educational frameworks and standards 6-4-6-

- Atro International, and NARS))With the quality and accreditation of th national academies, such as Agentic AIEnsure the harmonization • linked its outputs to the Academic
- Methods to ensure that the outputs of smart systems enhance the achievement of targeted learning outcomes, improve the quality of the ducational process, and support innovation in the
- .Teaching and Assessment
- Curriculum and Curriculum Regulations NF. TO Usage RegulationsInclude

Capacity Development and Institutional Culture Building 6-4-7-

- Strategies of Integration, Controlling the Quality of Outputs, and Focusing on the Use of Differential Programs to Provide Advanced Training Programs for Faculty Members and Students
- Academic practices, with applied examples and NF case tudies. Agentic AI
- Dealing with the outputs of intelligent systems, and encouraging academic discussion about them, we promote critical and analytical practices.
- We have specialized academies to provide consultancy • and ongoing training, and we establish art support units.

6-5- Practical Applications Using GPTs, RAG, and Institutional Systems

This listaimstohelpstudentsandfacultyinvestintheadvancedcapabilitiesoflargelanguage models(GPTs)andtechnologies.

Academic and Academic Resources, Institutional Systems, Safely and Effectively, while Ensuring Effective (RAG) Hungry for enhanced knowledge

6-5-1- Education Content Setup

• For the student: Use GPT h. Complex concepts, reformulated in your own style to generate initial drafts of lessonsummariesor and documenting all sources. Try asking for practical examplesorillustrationsto supportunderstanding.

• Faculty Members: Integrate RAG with university digital repositories or academic databases to prepare custom learningmaterials,ensuring that content is based on reliable and up-to-date sources. Multiple versions of content can also be generated to meet theneedsofdifferentlevels of .We are learning

6-5-2- Academic Research Support

• For the student: Use GPT to extract basic concepts and theories from long research papers, critically analyze them and link them to your courses.

• Faculty Members: Activate RAG to draw on previous studies and detailed references from specialized databases, and link them to research questions, formulate research plans, or design new initial questionnaires. The system can also help F.

6-5-3- Assessment & Tests

• For the student: GPT used multiple-choice questions, story essay questions, and applied problems,while generating a variety of practice questions, including an understanding of the methodology for reviewing the answers.

So that the questions are answered based on the student's performance, • Faculty Members: GPTsCreateadaptivetestswith Prior to adoption of targeted learning methods. It is advisable to add a review layer to the BUSH.

6-5-4- Continuous support

• For the student: Ask GPT Additional materials for complex concepts at different levels of depth (beginner, intermediate,advanced),with spraying To read. Use it to createreviewcardsormindmaps.

• Faculty Members: With integratedlearning management stemsIntelligent agency building (LMS) effective time, and provide answers to the student's inquiries in the Individualized learning recommendations based on the student's performance.

6-5-5- Quality Assurance & Labyrinth

• For the student: Analysis We prepare your assignments or research, and maintain your active role by always disclosing the use of any artificial intelligence tools Art Ralt.

• Faculty Members: Develop written policies and guidelines that outline Academic activities, defining GPTs, RAG and criticism. what is NF Itisallowed andprohibited, and the mechanismsfordetectingplagiarismand verifyingthe authenticityof the work havebeenexhausted.

7- Risk Management & Assessment

7-1- Mucus classification

Artificial intelligence regulatory systems are world-class leading models, setting clear criteria for designing, developing,and deploying these systems according to potential risk levels. These are aimed at, and are consistent with the non-compliance of the Artificial Intelligence (AI) to ensure that the use of artificial intelligence is safe, accountable and principled.

Human Rights Foundation, by classifying risksintofourmaincategoriesanddefining
Precise requirements and controls for each category

7-1-1- Acceptable Risks (MINIMAL RISK)

- This category poses any significant threat to the rights or physical orpsychologicalwell-beingofindividuals,andisusedtoincludeartificial intelligence applications. Say
- The need for organizational intervention.

• Examples: WalterAlterHandSpamFilters General Instant Society, some content platforms, IT tools, simple recommendation systems

.Educational Games

•General controls, ensuringbasic transparency orlaws: This category does not require specialized regulatory licenses or reviews, but it is aware of information security and the protection of personal data, in addition to the necessity.

7-1-2- Limited Risk (LIMITED RISK)

- Having clear transparency mechanisms that allow them to understand the nature of the app has a limited and manageable impact on users.
- Their interaction with the system.

• Examples: Chatbots (Chatbots) Decision making, customer support tools, e-commerce stores, public services, and recommendation systems.

Low-impact.

•ControlsthattheyinteractwithanAIsystem,andensurethattheinformationprovided is clearandaccurate. N: Oblige developersto notify users

It also recommends a mechanism that enables the user to choose not to interact with the automated system.

7-1-3- High Risk (HIGH RISK)

- It has a significant impact on the lives of individuals, their economic or educational opportunities, or their basic rights, and needs to be regulated.
- with safe and compliance procedures.

Examples of intelligent monitoring systems for critical infrastructure, t-jobs, buzz diagnostic systems: inclusive admissions systems, applicant assessment systems, justice or security sector applications.

• Controls: – Conduct a comprehensive risk assessment before the incubation stage.

All sensitivedecisionsare made bytheNRCVerification Guarantee.

Or the European standards for safety, data protection, and transparency.

Maintain detailed operational logs and allow for audits by regulatory authorities.

Conducting periodic tests of the system to ensure its safe and conforming performance to specifications.

7-1-4- Prohibited Risks (UNACCEPTABLE RISK)

- We see that there is a clear threat, a plan, and an acceptablelanguagetohumanrightsorpublicsafety,sothatitscompletebanwillnot include he applicationsof the To protectthecommunity.
- Examples: Social scoring systems, government-run public spaces, large-scale mass surveillance in harmful ways or exploitation of vulnerable groups, and manipulation of vulnerable groups.
- developed or used by all EU countries, with severe penalties imposed on non-control entities: Strict ban of these applications F.

Moments for higher education institutions

- Learning environment or this classification as a reference for evaluating the tools of artificial intelligence before integratingthemsouniversities and educational institutions can adopt Management.
- Recommends the establishment of an Artificial Intelligence Ethics Committee within each educational institution,whichshallberesponsiblefor reviewing and classifying the use of And makesurethatitiscompatible
- The organization's policy should include clear procedures to reduce the risks associated with the "high risk" category,andtoensurethat "Prohibited risks" category.

7-2- model Rumaqat Evaluation Uses of Artificial Intelligence Inside the University

Academic Environment Thismodelaimsto provide universities with an integratedframeworkforexaminingand evaluating artificial intelligence applications before integrating them into a new one, including: Itensuresitsalignment withinternationalnationalstandardsandinternationalmoralstandards,andensures that it is protected by the laws of academia and technology.

7-2-1- Determine thenatureofuse

- Description Description: H All major and minor functions, mention the developer (internal orcomprehensively define the application or system, with the development of similar external technologies) andrecorditinthe
- :Purpose The use is intended for education, evaluation,research,management,oranyofthesepurposes.
- :Target Audience External ResearchStudent, faculty, administrators, or U.S.
- :Scope of Use , the duration of the application, the expected deployment size, and the number of users.

7-2-2- Risk Level Classification

- :Acceptable risks General or simple recommendations for rights or peace, such as regulationsthatdonot involvea reat.
- :Limited Risks Full transparency Applications with limited accessibility can be controlled, such as educational chatbots, withAsht.
- :High risk Systems thatmayaffectsubstantiveacademic decisionsor individualrights, such as inclusiveadmissionssystemsor a, such as social classification or surveillance systems, violate fundamental rights or pose a threat.
- :Prohibited Risks
- Meter Rating: Provide reasons for classification based on the type of data used, the nature of the decisions made, the size of the impact, and the signals Reference to Materials.

7-2-3- Assessment of the impactonthe educational process

- : Academic Analyze the alignment of the tools with the targeted learning outcomes and curriculum
- : Impact on active The learning process, and the extent to which it enhances interaction and discussion We evaluate the mpact of the tool on the student's role as an active participant.
- . And equality is underneath Algorithmand its potentialimpactonevaluationdecisionsorequalaccessopportunitiesAnalysisof e probability of the following

:Impact on Evaluation 7-2-4-

Compliance Requirements and Controls

- : Data Protection Protection of personal data.Compliance Procedures,PrivacyPolicies,Law ompliance
- Oh check the bush All sensitive and sensitive decisions are made by the people of Its decisions regarding the existence of eth ceo suynstrtye.m, its functions, its limitations, and the possibility of appeal, and it is mandatory to inform all users.

: Transparency and Disclosure

Benefit vs. Risk Analysis 7-2-5-

- •Benefits: Innovation efficiency, increased achievement, decision support support, access to personalized ducational resources, andinspiring.
- •Risk: ,increasing educational disparities, misleading users, misuse, over-reliance on technology, loss of control .
- • Budget: The benefits outweighed the risks, and plans were developed to address the potential risksAssessing if.

Preventive MeasuresPlan 7-2-6-

- Strategies to reduce risks suchas destroying the status quo
- Hybrid Coordinating programs
- Developinganemergencyprotocolthatincludes crash scenarios,privacybreaches,orexpectedsystemadverse outcomes.
- Identify Shia response teamstosituationsof danger.

.n. Periodic reviews, and comprehensive user training

Decision to Adopt or Reject 7-2-7-

- Recommendation of the Acceptance, rejection, or
- :Andthe mplementationis Introducing technical modifications, adding safeguards, or limitingthe
- Documentthe decision Recording all resolution meters and retaining them for thepurposes of the actual review.

Continuous monitoring and auditing 7-2-8-

- Perform periodic reviews of system performance very 6-12 months.
- .Regulatory environment We re-evaluate when there are material tec pdates or disruptions
- Prepare performanceand transparencyreports available to the concerned authorities.

The university, and linked it to the innovationpolicies andrecommended the integration of this model into the quality management system in the

Evaluation teams should .Institutional be trained on Guardian

The latest AI assessment practices, with a simulation of the application of this model prior to its adoption.

7-3- Mechanisms to reduce risks and ensure public verification (Hybrid Grading)

In thefield of university environments,especiallythebasicartofmanaging artificial intelligence systems, themechanisms of risk reduction andensuring the verification of the

To achieve an integrated Hybrid Grading . Our approach aims at the academy, which requires high precision and extreme sensitivity to e dimension of the sciences.

Ontheother hand, to ensurethe fairness of the evaluationand the preservation of the radianceandefficiency of intelligent systems on the one hand, and the selection and rule of the review by the Peshnbidem.

7-3-1- Copy that Verification HYBRID GRADING)

It is a dual assessment approach based on the implementation of the first assessment based on a pre-determined meter and academic assessment. It provides a review and verification of these results, with the possibility of modifying them based on the understanding of the Assessor Assessment of this layered approach.

Extra security and enhances the reliabilityofthe results.

7-3-2- Objectives Verification HYBRID GRADING)

Processing and analyzing huge amounts of gruesome data, while ensuring that the evaluation is free of NF

T O

- Raising Accuracy and : Leverage the Believe infundamentalor nderlying errors.
- The academyisto : Ensure that the results reflect the student's active effort and level of achievement, notjust automated
- Achieving transparencyand : The Publisher is responsible for ensuring that there is a party with full responsibility for the final decision, with documentary debates for each stage.
- Algorithm Mitigation Early detection and correction of any patterns of preference or exclusion of GTT.

7-3-3- Application Steps Verification HYBRID GRADING) At the University

- :Define the scope of tasksthatcanbe Evaluation of the ER codes according to the outputs, or statistical analysis of the data suchas
- Design with aclearevaluation Draft:Rubrics They are used to ensure the consistency of the hinge system and the bush.
- We specialize in whattheyare Qualitativeorcomplexassessments We review the student's work,especially thosewhohaveacademic
- Integrate Outputs• : After reviewing the results according to a clear weighting mechanism, or through the decision of Nahat Bishr, the results of the initial evaluation and the general review combined with System results.
- Comprehensive Documentation : Save all the evaluation steps and moments for full transparency and the possibility of real review.

7-3-4- Advanced Risk Reduction Mechanisms

- :Double Review Sensitive or critical cases, especially independent art, is the application of my eview.
- Ongoing trainingforresidents : Periodic courses on the use of AI systems Analyze its outputs, and detect errors or underneath.
- Periodic systemperformance : Regularly evaluate the accuracy and reliability of the system and update
- Algorithmic bias control : Data or outputs We perform quantitative and qualitative analyses to detect any underneath.
- Contingency Plans : Set up a clear protocol to deal with system crashes or logical GT results.

7-3-5- Benefits of Hay Verification HYBRID GRADING)

- OperationalEfficiencyWe : Reduce evaluation time without
- We keep thedistanceof rgetfulness : Student and evaluator, encouraging constructive feedback, and reinforcing my
- Evaluation ProcessWe nhance Confidencein : For every important decision by ensuring a viewof theBush.
- Compliance with academic quality standards : On sensitive decisions, the President stressed on the compatibility with the national and international frameworks.

7-4- Periodic audit of artificial intelligence systems in universities

to theteam/committeeordepartmentresponsibletoensurethattheuseofartificialintelligencesystemsintheTheserecommendationsareaddressedto

EAcademic excellence, enhancing compliance with national and international standards, while establishing confidence in all stakeholders in the development of technologies, and protecting the .

7-4-1- Define a clear and integrated framework

, scope of work, and clear timelines. (KPIs) Key PerformanceThe key performance is strategic, an indicator anda

and internal policies and the Charter of Artificial Intelligence national and we make sure that the plan is in compliancewith international laws

to the university.

Technical, academic, and administrative teams are fine-tuned, with a structure to coordinate me.

- Define the responsibilitiesofeach member of theteam

7-4-2- Continuous and preventive monitoring

This is the accuracy rate, response time, and the number of n, including the performance data in the form of case studies (Dashboard s)

- Activate real-timefollow-up

Registered.

.This alert system relies on proactive analyses to detect naturalpatternsbeforeproblemsc

- Perform regular random reviews of a sample of outputs to validate and be freeofbias.

The system criticizes distractionstoabuseorinadequacyintrackingusagepatternsandanalyzingthemtoidentify behaviors or deviations.

7-4-3- In-depth periodicaudit

, Data Protection, and Algorithm BiasWe conduct a comprehensive semi-annual orannual audit coveringperformance, compliance, and security.

- Hire independent third parties to provide an impartial and conflict-of-interest

.We explore other local and international systems to identify strengths (Benchmarking)

and areas of sensitivity

- Benchmarking

Multiple dimensionssuchasgender,language,andculturalbackgrounduseadvanced analysis tools to detectbiasand algorithms.

7-4-4- Processing results and continuous improvement

- Prepare detailed and documented reports with all actionable findings, observations, and

Prioritizes, resources required, and a timeline for operational improvements.

- Retest the system after modifications are made to ensure that the improvements are effective in

.A historical database of audit results and action plans as a reference for future

7-4-5- Promoting Transparency and Institutional Communication

Periodic summaries of the results of monitoringontheinternalplatformsoftheuniversitytoenhancethe

.We don't have moments or complaints from the student, faculty members, and st

To discuss the final performance and challenges, the Committee and the usersare encouraged to hold periodic meetings of B.

,can ensure the sustainability of our quality and the first line of defense against technical and ethical risks. hrough the Istabaf approach

The Monitoring Task Force is

Thesetechnologiesimprove thereliability ofartificial intelligence systems, protect the reputation of the academic institution, and establish the trust of the inclusive community.

8- Recommendations and Implementing Policies

8-1- Universities Executive Plan

: Politics

Universities to develop a comprehensiveandintegratedimplementationplanandemployartificialintelligencesystems,withclear me stages.

. and the necessary technology to support sustainable implementation and delibera use priorities, and to ensure that financial resources and resources are exhausted.

Details:

- Establishment of AI Governance Committees: About Senior Management, Colleges, Information Technology Unit, Ethics Committee, Advisor Student Representatives, with the aim of setting policies, setting priorities, ensuring transparency, and representativesof theInstitute.
- Preparing a timeline :Axillary consists of four stages:
  - Incubation Stage: Formulate public and private policies, define long-term goals, analyze the current situation, and define Technical needs and ushes.
  - Trial phase –: Accurate performance of teaching, research, management, and evaluation of their impactusing .e Implementation of Pilot Projects in the
  - Expansion Phase –: Dissemination of successful applications to multiple colleges and departments, and development
  - Full Adoption Phase –: All academic and administrative processes, with a review of policies and ensuring that we integrate artificial ntelligence systems into the Fullcompliancewiththe Ma'ait.
- Prioritizing Usage :, smart educational aids, advanced research data analytics, and automation of adaptive assessment systems
- Financial : Recurring administrative ResourcesTummy
  - Strategic cooperationwith the privatesector,andbenefitingfromlocalandinternationalgrants,the allocationofannual budgets, and the holding of a sponsorship.
- Develop written and updated policies :Define the permitted and prohibited uses, monitoring and follow-up mechanisms, and compliance requirements for the Environment.
  - National and International .

8-2- Training and Capacity Building Programs

: Politics

In order to enhance technical knowledge, we encourage universities to launch continuous and comprehensive training programs targeting faculty, students, and administrators.

anddevelopingtheskillsofresponsible useofartificial intelligence systems.

Details:

- Specialized Courses for Faculty :, and ensure that we cover the design of AI-supported curricula, the development of adaptive assessment methods.
  - Integrate modern technologiesina .fferent way
- Student Workshops :Focusoncriticaldissociation,the skillsofanalyzingthe outputsof artificial intelligence, and the
- Training Programs for :It includes managing surveillance systems, analyzing big data, and implementing Aldaree Leading AI initiatives from efficiency to individuals who achieve high levels of excellence.
- Attigiar Akat : Internal and external
  - Leading technology and science research centers, to provide practicaltraining and access to the latest technology with the help of the TechCrunch.

Performance and follow-up sessions **M 8-3-**

Achieving comprehensive and trackable performance goals, to measure the successoftheuseofartificialintelligencein universities by developing a relay system

: Politics

Academic and administrative.

Details:

The percentage of courses integrated with artificial intelligence tools includes artificial intelligence, and the Academic success rates, student and faculty satisfaction, and quality of the curriculum include a eling.

:The technologyisnota

- The quality of the director
- Capacity Building
- Periodic Evaluation Mechanisms

.The National Institutes of Health and Human Services (IAEA) has adopted the

olicies.Orderlinacersityaesthe2hehsitnituotfet,hwentircahinlinncgl,uadnedathdeecpreadsiegtiangteheofrathte

ecipientof thetechnician includesthe numberofmentors.

Continuous quarterly and annual reports are presented to senior management, including recommendations for improvement.

These policies are bindingonalldepartmentsandcolleges,andshouldbereviewedand updatedregularlytoensure that they keep pace with technical developments and improvements

The university as an innovative and responsible educational institution.

Attaché 9-

Using artificial intelligence Shadia (R) Internal Policy Template 9-1-

Table2:Document record

Moments	Date of issuance	Issuer	The Third Edition
-	1/9/2025	Cairo University	2025 1.0

Introduction

In the field of artificial intelligence technologies, there is an urgent need to develop clear and specific policies to regulate whattheworldiswitnessinginlight the Shiite developments

We use these systems within the Arab Republic of Mars, in order to achieve a balance that aims to achieve the goal of

Artificial intelligence systems in the form of a special and special type of hay

Educational and Research Institutions

This policy has not been a regulatory and guiding framework that

, andeffective, safe, and disagreed.

Number, through

The fields of innovation and transformation of the state focused on keeping pace with the Fourth IndustrialRevolutionand enhancing its national capabilitiesisanart that reflects thispolicy of

Supporting Abuse This framework is based on best practices and practices across vital sectors. Nol Technologies and its Integration

Subject to privacy and local considerations.

and International

We contribute to

Smart Systems, we expand the policy to ensure transparency, dataprotection,achievejusticeandinclusiveness,inadditiontoenhancing ublic trust in the

Supporting sustainable development is the art of quality of life for citizens.

Goals

Educational

We develop a regulatory framework that defines the controls and standards for the se of artificial intellige nce techniques in th e

The use of local and international standardsofartificial intelligencein accordancewiththe lawshas been affected.

1.

Protect the data of individuals and organizations and maintain their privacy while using artificial

2.

All stages of the development and application of artificial intelligence technologies We promote transparency and accountability.

3.

Artificial Intelligence We support innovation and national capacity building.

4.

The quality of services is vital to improving the effective integration of artificial intelligence.

5.

Raising the awareness of society about the benefits and

6.

Using smart systems to serve all segments of society to ensure inclusivity and non-lethality.

7.

8.

Scope of application

Higher institutes and research centers.

That public and private universities all educational institutions, including

General Ethical Principles

Achieving the public benefit of all segments of society regardless of cultural dimensions or ensuring that artificial intelligence technologies contribute to the development of artificial intelligence technologies.

. 1. Inclusiveness

Social or professional.

2. Humanism:
Quality of human life and ensuring the accuracy of the services provided to beneficiaries Design and operation of artificial telligence systems onImprover.

:3. Liability
The use of artificial intelligence, with the application of effective mechanisms of control, accountability, and audit to ensure that

Practices.

:4. Justice
Or the rule of law and harmony with human values in terms of achieving fairness and equality and avoiding as.

Principles of Policy
Higher Education and Research Science NF

1.
. Academic
Preparing or analyzing research or educational materials without disclosing any useofartificial telligence technologies in the.

2.
: Thisisthe ientific one
ResearchData:Weprohibitanyuseofsmarttoolsthatmayleadtoplagiarismor manipulation.

3.
When using AI outputs, ensure that copyright is not infringed.

4.
Protection of intellectual
Education or research before it is adopted, ensure that the results of artificial intelligence are reviewed and auditedby a professional.

5.
Y.R.F. Al-ushraalsh

6.
.NM has strict controls to protect research data and personal information of students and
Curriculsuemardceheersio.
Security Ineata
pment and research design We encourage the use of artificial intelligence as anaidin

.

Promoting
Education and Research We use artificial intelligence to serve the goals of sustainable development and address ational challenges in the

: 7. Social Responsibility

Science.

8.
and global standards, i.e., higher education and science research are compliant with the laws we ensure that all applications in the

: Alignment with international
Adaptingthemaccordingtothecontextreferred to them.

Shadia Raalst
Policy Articles
Regarding data classification, and the Supreme Council of Or by the policies and instructionsissuedby them

:)1. Article (1)
.Personal data, information security, open data, and business continuity, taking into account
Local, regional and international human rights and moral standardsWe subject all artificial intelligence systemstothelaw.

:)2. Article (2)
Each unit develops internal policies and procedures to regulate the use of artificial intelligence, and ensures that allstakeholders

:)3. Article (3)
on these policies.
Mandates, competencies and levels of administrative authority related to all stages of development and operation

Identifying anddocumenting roles and abuse
:)4. Article (4)
.Artificial Intelligence Systems
Artificial Intelligence Systems for Persons with Disabilities.

(Accessibility)
TOFT Accessibility
:)5. Article (5)
6. Article (6): Conduct a comprehensive risk assessment (security, financial, health, environmental,and languageof therisks) and take the necessary preventive measures, and integrate the results of this assessment into the development and operation plans of the NF.

7. Article (7)
.:)The resources needed to protect systems from instantaneous attacks such as hacking, data theft, o
Or bias during all stages of the training and training, with periodic audits to make sure that the algorithms are free of deaths.

:)8. Article (8)
.That
Develop a standardized mechanism for auditing and data quality assurance, including data collectionand processing, algorithmprogramming, and manufacturingprocesses

:)9. Article (9)
Resolution
Classify the types of decisions (automated and automated) supported by artificial intelligence, and determine an appropriate level of intervention.

:)10. Article (10)
.Substantive Decisions
.Trace its roots and understand the factors behind it to ensure the ability toma

:)11. Article (11)
Actual environment Specific time before it is turned on Ferlift

(Testing Environment)
A test environment we put stemsin

:)12. Article (12)
(Production Environment).
operational environment, and disclosing its existence to all concerned parties while monitoring and recordingalltheactivitiesof artificial intelligence systems in the

:)13. Article (13)
Indicate the extent of its damage

:)14. Article (14)
.Request prior approval from all parties concerned when there are im
.Setting clear metrics to measure the quality of services

:)15. Article (15)
provided with artificial intelligence

Priorities and specializations	Preparation and implementation of a comprehensive plan for the continuity of artificial intelligence	:)Article (16)	.16	
	and the level of relevant administrative authority, and aperiodic policy review plan.			Policy Management
educational institutions, and this policy is subject to artificial intelligence in the	Preparation of Public Policy Use	Supreme Council of	• Specialized	
			Toreviewandupdateas needed.	
Supreme Council of Universities.	Implementation as of the date of its adoption and circulating before we enter this policy until		•	

9-2-N Sample Acknowledgment Using Artificial intelligence

: Purpose of the model The purpose of this approval is to document the disclosure of the use of artificialintelligencetoolsbythestudentor culty members in the

Or by institutional policies and ethical considerations foracademic, research or administrative work, and ensuring the integrity of the work.

data Student/Faculty Member/Administrative:

Full Poison : .....

Collector's Number/Job : .....

College/Department : .....

Adjective Student: □ □MemberFaculty □Administrative

Details of using artificial intelligence tools:

Purpose of use: 1.

□ Preparing or developing Academies content

□ Research Science We Help

□ Analysis, analytics or data processing

□ Manage or automate administrative tasks

□ Clarification (please.....:

2. Artificialintelligence tools used:

- Tool/Platform Name..... :
- Developer Ralsh..... :
- Type of technology (text generation, data analysis, image generation, etc.).....

3.M The work dews contribute to the tool'scontributionto:

□ Key Contribution.

□ Partial contribution.

□ Minor help.

4. Secure Walt's Declaration:

I hereby acknowledge the following:

- I have not violated intellectual property rights or the ethics of scientific research.
- The content has been reviewed and edited by Qabil to ensure accuracy and
- Data ProtectionWe have used artificial intelligence tools for the purposes described above, and in accordance with the University's policies and policies.
- I bear the offender Full liability for any violations or consequences resulting from such use.

Poison: .....

Signature: .....

Tar X: ____ / ____ / _____

Moment: Academic Review or Audit Status We file the student/faculty memberas a reference and we keep a copy of this acknowledgment inthe Academic Review.

9-3-Use a Framework for Risk management

The Dangers of Artificial Intelligence

It may affect our health

It is an approach that aims to reducethe potentialnegativeeffects of artificial intelligence systems, such as hazards.

ArtificialIntelligenceRisk

EffectiveHandling of the Risks of Artificial Intelligence andits

Maximizing the benefit ofpositive epresentations.

InadditiontoPublicor environmental,

Reliability of the development of potential AI systems, through documentation and systematic management, p.

9-3-1-Understandingandaddressinghazards,impacts andharms

Repent of him. The magnitude or degree of the consequences ofan event,and the magnitudeor egree of the consequences that are likely and contingent, are combined into a bitter scale.

ContextoftheRisk ScatteringFramework,AIRMF

, it can also open the door to opportunities or threats. The effects of artificial intelligence systems or their results are positive, negative, or a combination of the two, according to the standard of

:(1)Sizeprobability is defined as a function consisting of t, the risk when studying OMB Circular A-130 2016

ISO 31000:2018

he effect of

The likelihood of this event happening.

2) Caused by theoccurrence oftheeventorthe swelling of tuberculosis (, ,

Planet Earth. Negative impacts on individuals, groups, organizations,societyasa whole,ortheenvironment,orwecriticizethesedefinitions

Risk management is "the coordinated activities to guide and monitor the organization with respecttorisks."

ISO 31000:2018

R

Focusing on risk management processes in general to reduce negative impacts, the framework provides methodologiesaimed at mitigatingNF tinguish.

It can maximize positive impacts. The management of artificial intelligence systems is expected to be prepared, in addition to identifying the opportunities for these risks to be reliable, while maximizing the desired benefits at the level of individuals, communities and organizations, and developing artificial

Environmental.

Risk management also enables developers and users of artificial intelligence systems to recognize potential impacts, and to take into account the limitations

Artificial intelligence technologies are designed to improve the overall performance of the system, enhance reliability, and increase the chances of adopting their systems, which is beneficial.

Many times I have been able to see every situation you face. Therefore, intelligence risk management efforts must take into account that artificial intelligence systems are capable of succeeding, or that they have capabilities beyond what can be provided by the pioneering of artificial intelligence, as Cathton believes that these systems are more artificial than these predictions.

Traditional.

9-3-2-Can the risk posed by artificial intelligence systems be tolerated?

The extent to which we are willing to take the risks resulting from the applications of artificial intelligence means that the university is willing to accept a level with the concerned authorities in order to achieve its goals. This readiness depends on several factors, most notably the context in which artificial intelligence is applied, and the type of risks

Usage,legal andregulatoryrequirements, aswellaspolicies and regulationsset by theownersor developersof thesesystems.RenStrategyandits resource management capabilities may also vary. As the development of the technologies of reinforcement, organizations according to their priorities, the level of risk tolerance in the environment of industrialization, and the potential policies continue to evolve, and the development of knowledge and methods for measuring

, some contexts may still be challenging to effectively implement risk management frameworks to reduce the negative impacts of AI systems.

And the pros

Artificial Intelligence Systems 9-3-3-

, operate, design, develop, and winch we share with all the actors Stakeholder Classification Artificial intelligenceriskmanagementcontext, including NF

throughout its life cycle. It is preferable that these entitiesPositive and Negative – Evaluation of artificialintelligencesystems,takingintoaccountpotential mplications.

Choices,backgrounds anddisciplines,aswell as awidevariety of disciplines,toensurethe comprehensiveness of insights and increase the effectiveness of risk management.

OECDto comply with On the previous classification (NIST)For the people and technology of the Thisclassificationincludes accordir National Institute

Rattul ft (TEV V) , while emphasizing the importance oftesting,evaluation,verification AI RMF Framework Objectives

Risk detection and remediation, as a pivotal p. Thelife of the artificial intelligence system

AI RMF Use a Frame 9-3-4-

As a comprehensive tool for evaluating and developingartificialintelligence applications at the university

Theuseensuresthat thefieldof AI riskmanagementistouched,asitprovidesan integratedandsecure approach to these EssentialWe will not create such a fram

, and universities can flexibly adapt it to cover different With the latest developments in artificial intelligence Multiple functions to adapt The international frameworks ave been adopted on Techniques.

It is summarizedas follows: Aspects of Academic and Administrative Work

- Governance

– Develop integrated policies and regulations that include ethical and technicalaspects,withacleardefinitionof About the beneficiaries, representatives, legal, technical, and the formation of a permanentcommitteeofartificial ntelligence, which includesacademic choices.

– .Organizing training and capacity building programstoenhanceundersta

– .Security of performance for the measurementoftheLFandperiodic udit supported by the indicator of the applicationofthemechanismsof

- Characterization and Analysis:

– .We employ we record a drawing with a good description andwearekeenand ocumenting all artificial intelligence applications in

– .n, Data, and Compliance with LawsAnalysis of the Work EnvironmentandContex orweak security) dependingonthelevelofreliabilityandtheclassificationandassessmentof potential risks (e.g. underneath.

Map stakeholders with theirrolesandresponsibilities.

- Trustworthy AI TrustedArtificial

.Performance to measure accuracy, efficiency, responsetime,anduser

Conduct security and reliability tests tosimulateattacksandverify

The meeting on the implementation ofjusticeandequalopportunitiesto assess theimpact of thedifferences.

.We perform benchmark analyses compared tootherinstitutionstoide

- StakeholderEngagement

– Review & Development (Developers, Regulators) VariousCategories(Student,Academics.

– Continuous development and integration of effective feedback mechanismstocollectandanalyzeuser moments.

– Ensure transparency of decisions and policies through clearchannelsofcommunicationwithall

- Human RightsHuman Rights

– Ensure that all policies are consistent with the fundamentalvaluesandprinciplesofhuman

– .Consider fairness, equality, and privacy when designing,developing,ar

– Periodic review of the impact of applicationsonacademicandsocietal

- Operation & Sustainability EOperation and

Develop comprehensive emergency response plans that include technical failures and

Regular updates to applications and policiestokeep pace with technological developments andtouch.

Retirement or replacement of application lifecycle management since esignand longing.

Practices that ensure sustainability and achieve long-term added value.

The adoption of these initiatives helps to establish a culture of bad innovationArtificial intelligence technologies, loomswithin universities, and enhances the confidence of the academic community in ethical and legalvaluesand values,while maintaining thequalityof advertising and making the most of these technologies and innovations to ensure a balance between research and development.

Science and reduce potential risks.

Manufacturing Regulation for Intelligence Frame use phases 9-4-

Several Rakas Methodological Tools for Managing the Risks of Artificial Intelligence and Ensuring Safe and Effective Use

Regulationof artificial intelligence

Can be used frame

Practical Steps:

System Merge P 9.4.1.The

- Start from the planning and design phase to implement governance items such as setting policies and regulations,defining roles, and documenting responsibilities.
- By setting context and targeting, understanding priorities, and monitoring potential Characterization
- During development and esting,
- Performance measurement, security and privacy testing, and ensuring
- Reliable Artificial
- and operation, implement the items
- By collecting feedback, activating transparent communication channels, and integrating
- Stakeholders
- and operation, make sure to keep the
- eps oCf tohnel Fous development of the moments of the moment.
- Design and operation are designed with fairness, equality and privacyinmind.
- HumanRights
- Mwithtwoprinciplesforthe
- , Apply Contixntueonussio On poef rtahteio lnif ea ncydc Olep, twimhiizcahtio
- Management and follow-up to address new risks, update models,
- Employment and sustainability such as
- NF Practices
- and ensure the sustainability of added value.

Periodic assessment tool 9-4-2-

Mu From Benoder taken from the stage of the

Internal Checklist• Rice

Evaluation questionnaire is periodically funded by the development, review, and

K use it

- Assign points or weights to each item to determine the level of compliance and measure improvement over time.

Document and Sense Processes 9-4-3-

- Clearly, we link the results of the evaluation
- Whether it is in front of regulators or in front of reg uthlaet oimrsp, riot vis
- or each round of the Evidence Review.
- Security and Privacy MechanismsWe use the results to modify policies, train teams, or inform.

Concerned parties 9-4-4-

- Risk managementExisting partnerships with different departments: Technical, Legal, esources, and Resources.
- List items and ensure comprehensiveness or opt-in to improve external moments from users.

Sources 10

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Council Al , Marsi Nasdar

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Supreme Council of Universities
2025