

# Onaizah Colleges (OC) Scientific Research Plan

2023/2024

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allah, the Most Gracious, the Most Merciful

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**Dr. Abdullah Saleh Alshetaiwi**  
Chairman of Boards of Trustees

Praise be to Allah, Lord of the Worlds, and peace and blessings be upon the noblest of prophets and messengers, our prophet, Muhammad, and upon his family and companions. Onaizah Colleges have steadily progressed since their inception towards scientific advancement at the academic, research, administrative levels and community service. Given the importance of scientific research as one of the pillars of any institution of higher education, the Research Council and Center were established at Onaizah Colleges to oversee, evaluate and document research activities at the colleges. This includes providing scientific and research support to faculty members, students and researchers in the internal college community and encouraging them to understand and properly apply scientific research methodology according to international standards adopted by distinguished universities and colleges for scientific publication in the world's top ranked journals. The colleges hope that the research plan will enlighten researchers about policies, procedures, projects and activities that achieve the desired progress, and that the Research Center at the colleges will be a house of expertise for research production and a beacon to guide researchers to what please and satisfy them.

May Allah grant success.

## Key Definitions of OC Research Plan

Definition	Term Meaning from the Colleges' Perspective
<b>OC</b>	Onaizah Colleges
<b>Teaching Faculty</b>	Professors, Associate Professors, Assistant Professors, and lecturers.
<b>Scholarly Activities</b>	Any scientific activity conducted, whether research activities such as conducting and publishing research, or practical activities such as workshops, courses and scientific seminars.
<b>Intellectual Property</b>	"The set of rights that protects human intellect and creativity, including copyrights, related rights, patents, trademarks, industrial designs, plant varieties and integrated circuit layout designs." (Saudi Authority for Intellectual Property, 2022)
<b>Commercialization</b>	Commercialization of research production and intellectual property in any form.
<b>Patents</b>	"A document of protection issued by the Authority granting its owner the exclusive right to prevent others from exploiting the invention without his consent." (Saudi Authority for Intellectual Property, 2022)
<b>Research Funding</b>	Refers to the budget allocated to fund research, scientific research activities and competitions.
<b>Interdisciplinary Research</b>	"Research that integrates diverse intellectual backgrounds and research methodologies between researchers in different disciplines within a single framework to produce accurate results that help solve problems appropriately."

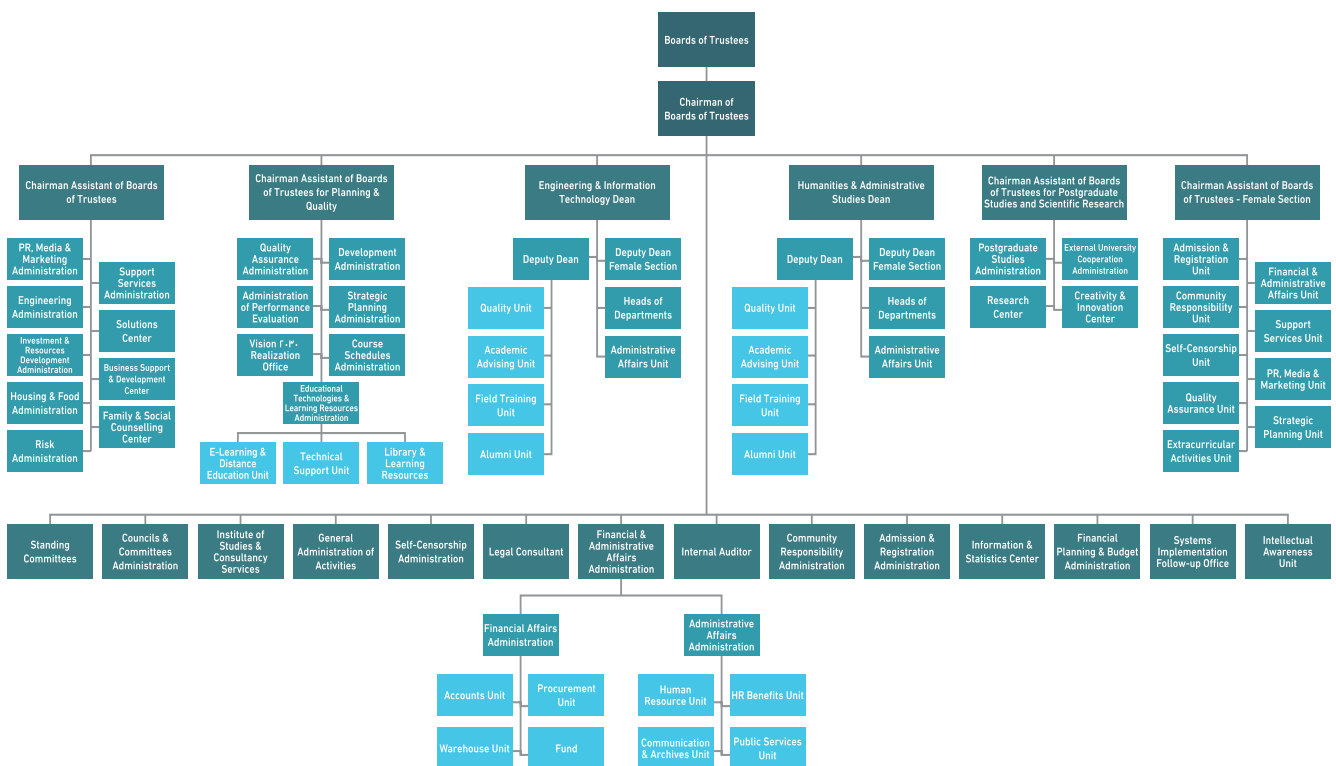
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**About OC**

# Chapter 1: About OC

Onaizah Colleges was established in 1437-2016 with two colleges: College of Engineering and Information Technology and College of Humanities and Administrative Studies. They offer diverse academic specializations aligned with job market needs and contribute to achieving national directions. OC strives for excellence in private higher education by focusing on educational, research, and community partnership activities.

## OC Organizational Structure



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**OC New Strategy (2023 – 2027)**



## Chapter 2: OC New Strategy (2023 – 2027)

### OC Vision, Mission and Values

**Vision:** OC aspires to become a distinguished higher education institution that contributes to building knowledge communities and to the realization of the Kingdom's Vision 2030.

**Mission:** To offer competitive higher education that prepares qualified graduates, make research contributions, promote community engagement, and participate in realizing the Kingdom's Vision 2030.

**Values:**

- Excellence.
- Justice.
- Transparency.
- Institutionalism.
- Responsibility.
- Aspiration.
- Self-censorship.

### Strategic Themes and Objectives

#### 1. Organizational Environment

- Enhancing governance at the colleges.
- Automating key processes.
- Developing human capabilities.
- Improving recruitment and retention.

#### 2. Educational Excellence

- Improving teaching and learning practices.
- Developing students' knowledge and skills.
- Providing a motivating academic environment.

#### 3. Research and Knowledge Contribution

- Developing the research system.
- Promoting research partnerships.
- Incentivizing scientific research.

#### 4. Partnerships and Societal Impact

- Promoting community partnerships.
- Maximizing impact of community contributions.
- Entrenching the principle of volunteerism.

#### 5. Financial Sustainability

- Increasing and diversifying financial resources.
- Improving spending efficiency.
- Centralized marketing for the colleges.

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## **OC Research Plan**

## Chapter 3: OC Research Plan

### Research and Knowledge Contribution

Unlike OC previous strategy, OC new strategy includes a strategic theme about research, which is research and knowledge contribution, which aims to promote research and scholarly activities.

### Research Objectives

The objectives of OC research plan are three, all stemming from the fourth strategic theme of Onaizah Colleges' strategy (Research and Knowledge Contribution), which are:

**Objective 1:** Develop a Scientific Research Ecosystem

**Objective 2:** Enhance Research Partnerships

**Objective 3:** Incentivizes Scientific Research

The first objective aims to develop scientific research ecosystem at OC, starting with developing, publishing and implementing research policies, regulations and policies, clarifying ethics and integrity of the academic environment in scientific research, enhancing excellence in research activities among teaching faculty members and students, and including research items in recruitment and promotion criteria to support scientific research. In addition, training teaching faculty and students to enhance their research skills and contributions. It also ensures providing research resources such as facilities, labs, research learning resources, and funding to support research activities. It also aims to ensure research sustainability and impact by providing research funding and incentives mechanisms.

### Research KPIs

OC has developed 25 key research KPIs aligned with OC research objectives that can be summarized as follows:

#### **Objective 1: Develop a Scientific Research Ecosystem**

1. Stakeholders' satisfaction with OC Research Ecosystem
2. % of automated research services
3. % of budget allocated for scientific research activities
4. % of teaching faculty research publication per year
5. Ratio of research publication per faculty member
6. # of published papers by full-time faculty members in highly-ranked journals.
7. Ratio of citations per faculty member in peer-reviewed journals
8. % of research publications in the most 10% cited journals
9. Stakeholders' satisfaction with availability and adequacy of electronic resources, digital information databases and accessibility



### Objective 2: Enhance Research Partnerships

- 10.# of established research partnerships
- 11.% of research and scholarly activities in light of community pre-identified needs
- 12.% externally funded research
- 13.% of teaching faculty who are peer-reviewers

### Objective 3: Incentivize Scientific Research

- 14.# of patents and innovations
- 15.% of teaching faculty's participating in conferences and scholarly events
- 16.Faculty members' satisfaction with OC covering their research publications
- 17.% of faculty members who met research excellence award criteria
- 18.# of global research awards achieved by faculty members
- 19.# of research funds
- 20.% of research publications consistent with OC research priorities
- 21.Student satisfaction with research training programs
- 22.# of scholarly sessions and seminars held during the year
- 23.% of research involving students and faculty members
- 24.Average student satisfaction with supporting gifted, creative and outstanding students
- 25.% of research activities included into extracurricular activities

## Scientific Research Initiatives along with their Detailed Activities

### First: Sound Researcher Initiative

1. Disseminate the culture of research ethics and integrity.
2. Complete OC research infrastructure.
3. Automate and streamline research services and activities.
4. Attract qualified researchers.
5. Include research as one of the key recruitment criteria.
6. Cooperate with qualified researchers nationally and internationally.
7. Develop, disseminate, and apply a research handbook.
8. Allocate a research budget and monitor spending.
9. Market OC research production.
- 10.Increase publications in peer-reviewed journals (ISI, SCOPUS, ARCIF).
- 11.List and disseminate predatory journals.
- 12.Provide services for researchers (statistical analysis, proofreading, translation, etc.).
- 13.Check plagiarism in research activities and production.
- 14.Diversifying research resources and database.
- 15.Engage faculty members and students in OC annual Scientific Forum "Creativity".
- 16.Provide researchers with research fund.

**Second: Partnership Initiative**

17. Establish research partnerships with external entities.
18. Increase community institutions' contribution to OC research and scientific activities.
19. Engaging faculty members in collaborative research projects.
20. Publish and market OC community achievements and activities.
21. Identify community research needs.
22. Seek for research external funding.

**Third: Promising Researcher Initiative**

23. Establish awards for patent winners
24. Help faculty members to be journal peer reviewers
25. Support teaching faculty's participation in conferences and scholarly events
26. Pay publication fees for faculty in Scopus, Clarivate, and ARCIF journals
27. Introduce Excellence in Research Award
28. Recognize teaching faculty who have received global research awards
29. Provide research grants
30. Identify OC research priorities
31. Invite external speakers and trainers in scientific research to the colleges
32. Organize research workshops and training courses for students
33. Include research skills into courses and study plan
34. Engage students in teaching faculty research activities and production.
35. Establish an award for students participating in teaching faculty research
36. Develop mechanisms for exploring gifted students
37. Establish an award for students participating in creativity and innovation activities
38. Include research and scholarly activities into OC extracurricular activities
39. Organize meetings and sessions with students about research and innovation
40. Supervise high school gifted students' projects
41. Engage students in OC Innovation Forum
42. Provide researchers with research funds

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**OC Detailed Research Plan  
(A Matrix of Research Goals, Objectives,  
Initiatives, KPIs, and activities)**

## Chapter 4: OC Detailed Research Plan (A Matrix of Research Goals, Objectives, Initiatives, KPIs, and activities)

OC research plan’s goals and initiatives were incorporated and aligned with OC third strategic theme (Research and Knowledge Contribution). Specific supporting research activities were added, clarifying the ownership of each initiative, along with developing a set of KPIs that helps measure the implementation of the research plan.

### Objective 1: Develop a Research Ecosystem

The first objective of scientific research focuses on developing a research ecosystem by developing, applying, and monitoring research regulations, systems, and policies, in addition to ingraining self-censorship regarding scientific research activities.

OC 2 <sup>nd</sup> Theme: Research and Knowledge Contribution							
Objectives	Initiatives	Executive Activities	Ownership	Participating Parties	KPIs/Evidence	Target Value	Actual Value
Develop a Scientific Research Ecosystem	Environment	1. Disseminate the culture of research ethics and integrity	Research Center	Scientific Depts. + Development Administration	Stakeholders' awareness of research ethics, values, and rules of academic integrity and intellectual property	4	-
		2. Conduct training programs about research ethics	Research Center	Development Administration	# of training programs about research ethics per year	2	-
		3. Complete OC research infrastructure	Research Center	Information and Statistics Center + Support Service Administration + Other Concerned Parties	Stakeholders' satisfaction with OC Research Ecosystem	3.5	-
	Paperless	4. Automate and streamline research services and activities	Research Center	Information and Statistics Center	% of automated research services	50%	-
	Attraction	5. Attract qualified researchers	HR	HR	Stakeholders' satisfaction with OC Research Ecosystem	3.5	-
					6. Include research as one of the key recruitment criteria	Recruitment forms	-
		7. Cooperate with qualified researchers nationally and internationally	Research Center	HR	Samples of research cooperation agreements	-	-
		8. Raise faculty's awareness of promotion requirements relevant to research	Research Center	HR	Samples of the activities relevant to this activity	-	-
		9. Conduct a needs analysis for research facilities expansion.	Research Center	The Deans	Samples of the needs analysis report	-	-
		10. Re develop the existing labs	Research Center	The Deans	A report of the existing labs	-	-



OC 2 <sup>nd</sup> Theme: Research and Knowledge Contribution							
Objectives	Initiatives	Executive Activities	Ownership	Participating Parties	KPIs/Evidence	Target Value	Actual Value
Develop a Scientific Research Ecosystem	Attraction	11. Recruit lab technicians	HR	The Deans	# of recruited technicians	2	-
	Sound Researcher	12. Develop, disseminate, and apply a research handbook	Research Center	Scientific Depts.	Stakeholders' satisfaction with OC Research Ecosystem	3.5	-
		13. Allocate a research budget and monitor spending	Research Center	Financial Planning and Budget Administration	% of budget allocated for scientific research activities	1% of the operating budget	-
		14. Market OC research production	Research Center	PR, Media, and Marketing Administration	Samples of marketed research	-	-
		15. Increase publications in peer-reviewed journals (ISI, SCOPUS, ARCIF)	Research Center	Scientific Depts.	# of published papers by full-time faculty members (or equivalent) in Scopus	40	-
					# of published papers by full-time faculty members (or equivalent) in Clarivate	20	-
					# of published papers by full-time faculty members (or equivalent) in ARCIF	30	-
					# of books or book chapters published in Clarivate	2	-
					Ratio of citations per faculty member in peer-reviewed journals	5:1	-
					% of research publications in the most 10% cited journals	4%	-
		16. List and disseminate predatory journals	Research Center	OC Central Library	Stakeholders' satisfaction with OC Research Ecosystem	3.5	-
		17. Provide services for researchers (statistical analysis, proofreading, translation, etc.).	Research Center				
		18. Check plagiarism in research activities and production	Research Center				
19. Diversifying research resources and database.	OC Central Library	Research Center	Stakeholders' satisfaction with availability and adequacy of electronic resources, digital information databases and accessibility	4	-		
20. Engage faculty members and students in OC annual Scientific Forum "Creativity"	Research Center	General Activities Administration + Business Support and Development Center	Samples of student work	-	-		
21. Include research into RASID	HR	Research Center	Screenshots of RASID	-	-		



## Objective 2: Promote Research Partnerships

The second objective focuses on establishing and promoting research partnerships and agreements with external entities to conduct collaborative research that serves the community and engages OC faculty members in conducting research for public, private, and charitable sectors.

OC 2 <sup>nd</sup> Theme: Research and Knowledge Contribution							
Objectives	Initiatives	Executive Activities	Ownership	Participating Parties	KPIs/Evidence	Target Value	Actual Value
Promote Research Partnerships	Partnership	22. Establish research partnerships with external entities 23. Increase community institutions' contribution to OC research and scientific activities	Research Center	Social Responsibility Administration	# of established research partnerships	1	-
		24. Engaging faculty members in collaborative research projects 25. Publish and market OC community achievements and activities	Research Center	Social Responsibility Administration + PR, Media, and Marketing Administration	% of teaching faculty research publication per year Ratio of research publication per faculty member	60%	-
		26. Identify community research needs	Research Center	Social Responsibility Administration	% of research and scholarly activities in light of community pre-identified needs	50%	-
		27. Seek for research external funding	Research Center	Social Responsibility Administration	% externally funded research	10%	-



### Objective 3: Incentivize Scientific Research

The third objective focuses on incentivizing faculty members and students to participate effectively in research and scholarly activities and production, developing their research skills by organizing workshops and training courses, and incorporating research into program and course learning outcomes. In addition, the objective aims to engaging students in several activities through diversifying events and activities, and developing relationships with alumni, benefiting from their experiences, supporting and developing their research skills. Moreover, it ensures providing diverse scientific research, research services provided to faculty members and students, providing varied learning resources and journal databases which contributes to developing OC research infrastructure, management and technologies.

OC 2 <sup>nd</sup> Theme: Research and Knowledge Contribution							
Objectives	Initiatives	Executive Activities	Ownership	Participating Parties	KPIs/Evidence	Target Value	Actual Value
Incentivize Scientific Research	Sound Researcher	28. Establish research partnerships with external entities	Research Center	Creativity and Innovation Center	# of patents and innovations	1	-
		29. Help faculty members to be journal peer reviewers	Research Center	Relevant Scientific Depts.	% of teaching faculty who are peer-reviewers	20%	-
		30. Support teaching faculty's participation in conferences and scholarly events	Research Center	Development Administration	% of teaching faculty's participating in conferences and scholarly events	50%	-
		31. Pay publication fees for faculty in Scopus, Clarivate, and ARCIF journals	Research Center	Financial Planning and Budget Administration	Faculty members' satisfaction with OC covering their research publications	3.5	-
		32. Introduce Excellence in Research Award	Research Council	Research Center	% of faculty members who met research excellence award criteria	50%	-
		33. Recognize teaching faculty who have received global research awards	Research Center	Relevant Scientific Depts.	# of global research awards achieved by faculty members	3	-
		34. Provide research grants	Research Center	Relevant Scientific Depts.	# of research funds	2	-
		35. Identify OC research priorities	Research Center	Relevant Scientific Depts.	% of research publications consistent with OC research priorities	80%	-
		36. Invite external speakers and trainers in scientific research to the colleges	Research Center	Development Administration	Stakeholders satisfaction with external speakers	3.5	-

OC 2 <sup>nd</sup> Theme: Research and Knowledge Contribution							
Objectives	Initiatives	Executive Activities	Ownership	Participating Parties	KPIs/Evidence	Target Value	Actual Value
Incentivize Scientific Research	Promising Researcher	31. Organize research workshops and training courses for students	Research Center	General Activities Administration	Student satisfaction with research training programs # of scholarly sessions and seminars held during the year	3.5	-
		32. Include research skills into courses and study plan	Research Center	Quality Assurance Administration + Scientific Depts.	% of programs that included research skills into their courses	80%	-
		33. Engage students in teaching faculty research activities and production.	Research Center	Scientific Depts.	% of research involving students and faculty members	3%	-
		34. Establish an award for students participating in teaching faculty research	Research Center	General Activities Administration	Samples of recognizing students	-	-
		35. Develop mechanisms for exploring gifted students 36. Establish an award for students participating in creativity and innovation activities	Research Center	Creativity and Innovation Center + Academic Counselling Units	Average student satisfaction with supporting gifted, creative and outstanding students	3.8	-
		37. Include research and scholarly activities into OC extracurricular activities	Research Center	General Activities Administration	% of research activities included into extracurricular activities	5%	-
		38. Organize meetings and sessions with students about research and innovation	Research Center	General Activities Administration	Student satisfaction with research training programs	3.5	-
		39. Supervise high school gifted students' projects	Research Center	Social Responsibility Administration	Samples of workshops held for high school gifted students	-	-
		40. Engage students in OC Innovation Forum	Research Center	General Activities Administration	Samples of student work	-	-

