# ICT CENTRE

**Ranking Report**

## Table of Contents

**Webometrics Rankings**

URL: https://www.webometrics.info/en

Webometrics Rankings started in 2004 and currently ranks 31,000 higher education institutions in 200 countries. The ranking uses quantitative analysis of the Internet and Web contents and aims to promote Open Access initiatives, electronic access to scientific publications and to other academic material.

Data for the ranking is collected between 1st and 20th of January and July of each year and the ranking is published twice a year, that is, in January and July. Institutions and scholars should have a web presence that accurately describes their activities. Best strategy to improve ranking is to increase the quantity and quality of web contents to promote open access and transparency, substantially increase the volume and quality of their electronic publications.

Volatility of search engines is very high; therefore, figures can be different and not easily replicated if the search is performed days later. Google info is very geographically biased, so the data is collected using the google.com mirror domain, English as language of the interface and Madrid (Spain) as location.

**Methodology**

| Indicators | Meaning | Methodology | Source | Weight |
|---|---|---|---|---|
| Presence | Public knowledge shared | Discontinued | | |
| Visibility | Web contents Impact | Number of external networks (subnets) linking to the institution's web pages (normalized and then the maximum value is chosen) | Ahrefs Majestic | 50% |
| Transparency (or Openness) | Top cited researchers | Number of citations from Top 210 authors | Google Scholar Profiles | 10% |
| Excellence (or Scholar) | Top cited papers | Number of papers amongst the top 10% most cited in each one of the all 27 disciplines of the full database Data for the five-year period: 2016-2020 | Scimago | 40% |

**Performance**

| Ranking Year | Kenya Rank | Africa Rank | World Rank | World Position | | | |
|---|---|---|---|---|---|---|---|
| | | | | Presence | Impact | Openness | Excellence |
| Jan-2017 | | 8 | 775 | 11 | 785 | 910 | 1513 |
| Jul-2017 | | No ranking | | | | | |
| Jan-2018 | | 7 | 874 | 4 | 726 | 985 | 1535 |
| Jul-2018 | | 8 | 850 | 42 | 652 | 1074 | 1569 |
| Jan-2019 | | 9 | 990 | 261 | 839 | 1216 | 1576 |
| Jul-2019 | | 10 | 1031 | 578 | 1028 | 881 | 1607 |
| Jan-2020 | | 11 | 1018 | 155 | 1127 | 854 | 1606 |
| Jul-2020 | | 10 | 956 | 198 | 1075 | 749 | 1625 |
| Jan-2021 | | 13 | 1052 | Disc | 1181 | 615 | 1625 |
| Jul-2021 | | 13 | 1054 | Disc | 1220 | 757 | 1632 |
| Jan-2022 | 1 | 12 | 1077 | Disc | 1024 | 1024 | 1690 |

**Times Higher Education World University Rankings**

URL: https://www.timeshighereducation.com/world-university-rankings

**Introduction**

Times Higher Education (THE) was founded in 2004. THE runs several rankings World Universities Rankings, Impact Rankings, China Subject Rankings, Japan Universities Rankings, US College Rankings, By Subject Rankings, Young Universities Rankings, World Reputation Rankings and the most recent is the regional ranking namely Emerging Economies University Rankings.

For a university to be included in the THE Rankings, it must meet the following criteria:

- Publish a sufficient number of academic papers over a five-year period – this threshold is currently set at 1,000 papers
- Teach undergraduates
- Work across a range of subjects

World Universities Rankings covers three main missions of university activity: research, teaching and impact and is accompanied by subject specific ranking which is used to aid students to determine where best to undertake specific courses.

The ranking profiles universities and is data driven providing information such as staff-to-student ratio of each university, the total income per student, the proportion of international students and the gender breakdown of students. Ranking is done yearly.

**<u>Methodology</u>**

Performance indicators are based on the institution's performance across four areas:

i. Teaching, ii. Research, iii. Knowledge transfer, iv. International outlook.

| Indicators | Meaning | Methodology | Source | Weight |
|---|---|---|---|---|
| **Teaching** | The learning environment | Reputation Survey (15%)<br>● The academic reputation survey which is run annually<br>Student – staff ratio (4.5)<br>Doctorate – Bachelor's ratio (2.25%)<br>Doctorate awarded to academic staff ration (6%)<br>Institutional income (2.25%)<br>● Institutional income is scaled against academic staff numbers and normalized for purchasing-power parity (PPP). It indicates an institution's general status and gives a broad sense of the | Reputation survey research income | **30%** |

| Indicators | Meaning | Methodology | Source | Weight |
|---|---|---|---|---|
| | | infrastructure and facilities available to students and staff. | | |
| **Research** | Volume, income and reputation | Reputation survey (18%)<br>● Research survey looks at a university's reputation for research excellence and it is based on the academic reputation survey<br>Research income (6%)<br>● The research income indicator is peer reviewed and takes into account funding for each subject.<br>Research productivity (6%)<br>● research productivity counts the number of publications in the academic journals indexed by Elsevier's Scopus database per scholar | Elsevier's Scopus database | **30%** |
| **Citations** | Research influence | Examines the number of times a university's published works is cited by scholars globally | Elsevier's Scopus database | **30%** |
| **International outlook** | Staff, students and research | Proportion of international students (2.5%) | research influence | **7.5%** |

| Indicators | Meaning | Methodology | Source | Weight |
|---|---|---|---|---|
| | | • looks at the ability to a university to attract undergraduates, postgraduate and faculty Proportion of international staff (2.5%) International collaborations (2.5%) • Calculates the proportion of a university's total relevant publications that have at least one international co-author and reward higher volume | | |
| **Industry income** | Knowledge transfer | captures research income an institution earns from industry (PPP), scaled against number of academic staff it employs | Earnings from PPP | **2.5%** |

**Performance**

UoN performance overall performance in the World Universities Ranking in the last five years:

| Year | Globally |
|---|---|
| **2022** | 501- 600 |
| **2021** | 601-800 |
| **2020** | 801 - 1000 |
| **2019** | 1000+ |
| **2018** | 801 - 1000 |

In other Rankings undertaken by THE recently, the UoN performed as follows:

Young Universities Rankings 2020:  201 - 250th; and on Impact Rankings - Partnerships for 2021 goals: 401 - 600th.

**Subject specific rankings result for 2022:**

| Year | Clinical, pre-clinical and health | Life sciences | Physical sciences | Social sciences |
|------|-----------------------------------|---------------|-------------------|-----------------|
| **2022** | 201 - 250 | 8001+ | 1001+ | 601+ |

**QS University Ranking**

**Introduction**

QS World University Rankings is an annual publication of approximately 1300 university rankings by Quacquarelli Symonds. Employers, students and faculty can use QS to rank universities, guided by six matrixes (see table below), to make informed decisions. The QS system comprises three parts: the global overall ranking, the subject rankings, and five independent regional tables—namely Asia, Latin America, Emerging Europe and Central Asia, the Arab Region, and BRICS.

**Methodology**

| Indicator | Meaning | Methodology | Weighted Score (%) |
|-----------|---------|-------------|--------------------|
| **Academic Reputation** | Teaching and research quality of world's universities | *Academic Survey of over 130,000 expert opinions* | 40 |
| **Employer Reputation** | Assessment of how successful Universities are at providing a university education by which students can receive valuable preparation for the employment market. | *QS Employer Survey* -75,000 responses (**Indicator:** institutions from which employers' source the most competent, innovative, effective graduates) | 10 |
| **Faculty/Student Ratio** | A measure of the teacher/student ratios is the most effective proxy metric for teaching quality. | An assessment of the provision of students with meaningful access to lecturers and tutors. The higher the number of faculty members per student the better the teaching quality | 20 |
| **Citations per** | The total number of citations | An assessment of 96 million | 20 |

| Indicator | Meaning | Methodology | Weighted Score (%) |
|---|---|---|---|
| **faculty** | received by all papers produced by an institution | citations from 14.7 million papers (citations are normalized to give equal weight among the different publishing fields) | |
| **International Faculty Ratio** | Ability to attract faculty from across the world | A measure of how strong the brand is internationally. - how global is the institutions outlook; Are students and staff provided with a multinational environment, facilitating exchange of best practices and beliefs | 5 |
| **6.International Student Ratio** | Ability to attract students from across the world | Same as above | 5 |

**Performance**

| Year | Kenya | East Africa | Africa | Globally |
|---|---|---|---|---|
| **2022** | 1 | 2 | 19 | 1001-1200 |
| **2021** | 1 | 2 | 20 | 1001+ |
| **2020** | 1 | 2 | 17 | 1001+ |

**uniRank – 2021**

URL: https://www.4icu.org

**Introduction**

Aim is to provide a non-academic *League Table* of the top Universities based on valid, unbiased and non-influenceable web metrics provided by independent web intelligence sources rather than data submitted by the Universities themselves.

**Methodology**

uniRank selection criteria:

- being chartered, licensed and/or accredited by the appropriate higher education-related organization in each country

- offering at least four-year undergraduate degrees (bachelor's degrees) or postgraduate degrees (master or doctoral degrees)

- delivering courses predominantly in a traditional, face-to-face, non-distance education format

## Performance

University of Nairobi was ranked in 2021 as follows:

| Year | Kenya | East Africa | Africa | Globally |
|------|-------|-------------|--------|----------|
| **2021** | 1 | 1 | 9 | 946 |

## Other Rankings

https://www.topuniversities.com/university-rankings

**University Ranking by Academic Performance (URAP)**

### Introduction

The URAP ranking system is based on academic performance indicators that reflect the quality and quantity of their scholarly publications. Data is obtained from reliable open sources. URAP undertakes two rankings that is, World Universities Rankings and field or subject based rankings

### Methodology

URAP is based on 6 academic performance indicators as outlined below:

| Indicator | Meaning | Methodology | Coverage | Source | Weight |
|-----------|---------|-------------|----------|--------|--------|
| **Article** | Current scientific productivity | Articles listed within the first, second and third quartiles of their journal impact factors | 2020 | InCites | **21%** |
| **Citation** | Research Impact | Scored according to the total number of citations | 2016 - 2020 | InCites | **21%** |
| **Total Document** | Scientific productivity | Scholarly output which includes conference papers, reviews, letters, discussions, scripts | 2016 - 2020 | InCites | **10%** |
| **Article Impact Total** | Research quality | The institutions normalized CPP (1) with respect to the world CPP in 24 subject areas | 2019 - 2020 | InCites | **18%** |

| Indicator | Meaning | Methodology | Coverage | Source | Weight |
|-----------|---------|-------------|----------|--------|--------|
| **Citation Impact Total** | Research quality | The ratio of the institutions CPP and the world CPP | 2016 - 2020 | InCites | **15%** |
| **International Collaboration** | International acceptance | International collaboration data | 2016 - 2020 | InCites | **15%** |

**Performance**

This is a new ranking. The university of Nairobi was recently ranked as follows.

| Year | Globally |
|------|----------|
| **2021 - 2022** | 1133 |
| **2020-2021** | 1222 |
| **2019 - 2018** | 1294 |
| **2018 - 2019** | 1317 |

**UI GreenMetric**

https://greenmetric.ui.ac.id/about/methodology

The University of Nairobi has never participated in this ranking. This ranking is by an Integrated Laboratory and Research Center at the University of Indonesia. Data is collected between May – October from the universities that are contacted and who are willing to provide information.

**Methodology**

These include the collection of basic information of the size of the university and its zoning profile, whether urban, suburban, or rural. Beyond this we would like to see the degree of green space. The next category of information concerns electricity consumption because of its link to our carbon footprint. Then we would like to know about transportation, water usage, waste management, setting & infrastructure, energy & climate change, and education & Research. Beyond these indicators, we would like to get a picture about how the university is responding to or dealing with the issues of sustainability through policies, actions, and communication. The criteria are:

i. Setting and Infrastructure (SI) (15%), ii. Energy and Climate Change (EC) (21%), iii. Waste (WS) (18%), iv. Water (WR) (10%), v. Transportation (TR) (18%), vi. Education and Research (ED) (18%)

**References**

https://www.timeshighereducation.com/world-university-rankings

https://www.webometrics.info/en

https://www.urapcenter.org/Rankings/

https://www.4icu.org/

https://www.uonbi.ac.ke/our-rankings

https://www.topuniversities.com/university-rankings/world-university-rankings/