

Impact Measurement and Reward towards building a World-Class University: The Covenant Experience

A Presentation Delivered at:

The LMU Executive Advance 2018

By

Prof. AAA. *Atayero* 

Vice Chancellor, Covenant University



## Agenda

- Introduction
  - Covenant Vision & Mission | Departure Philosophy | Core Values
- Vision 10:2022
- The ReCITe Agenda
- Impact Measurement
  - Research Output Data | Citation Data | Collaborations
  - Teaching Impact:
    - Accreditation Data | Employer Feedback | Graduation Results
  - THE Ranking Data
- Reward System: A&P Criteria | Policy Provisions



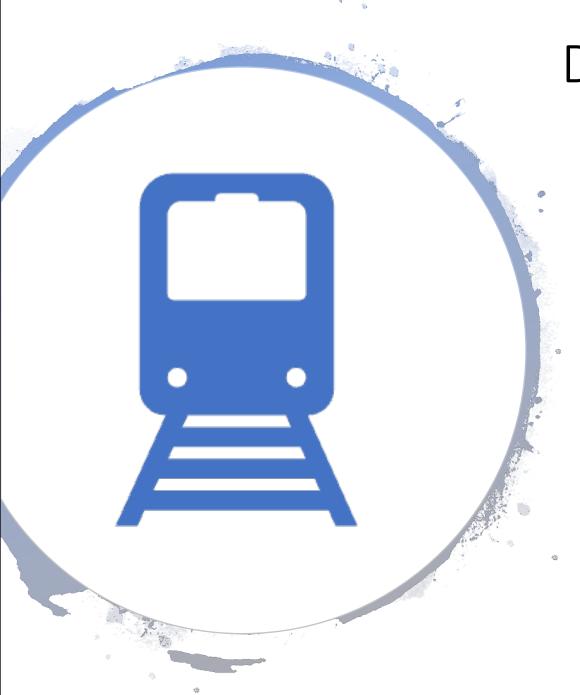
### The Covenant Vision

To be a leading World-class
Christian Mission University
committed to raising a new
generation of leaders in all fields
of Human endeavor.

# The Covenant Mission

To **create knowledge** and **restore the dignity of the black man** via a Human Development and

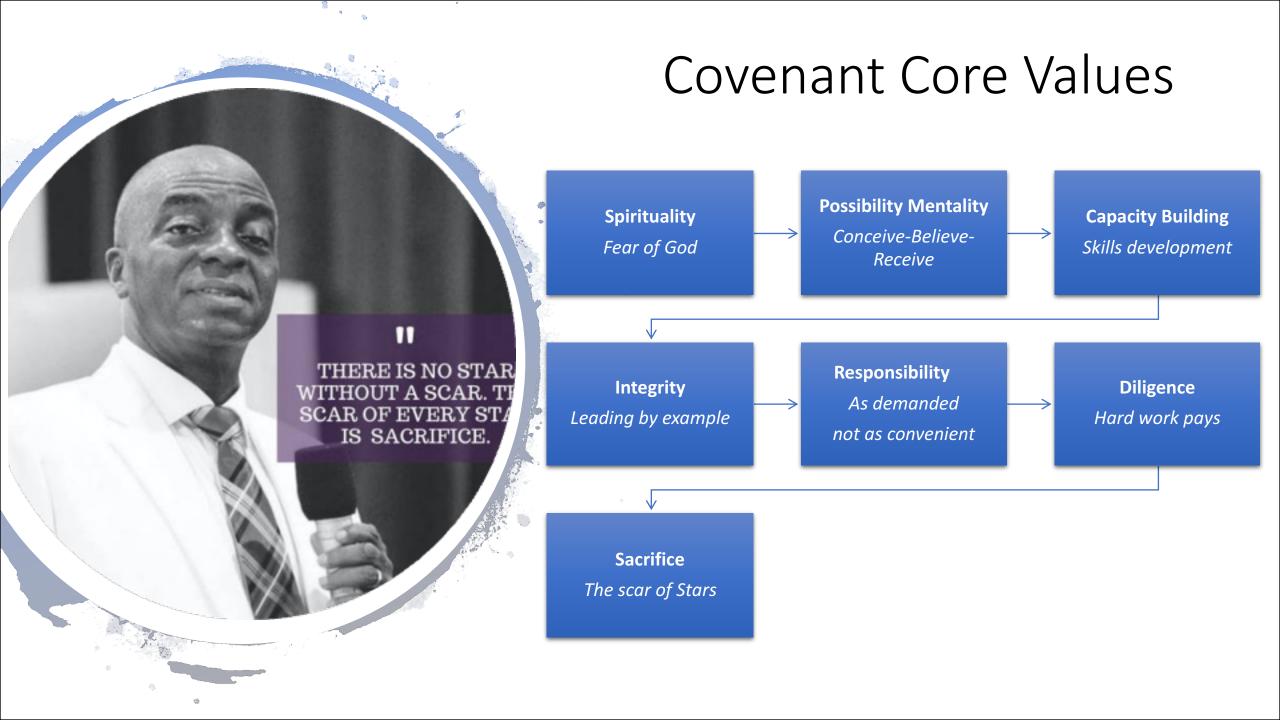
Total Man Concept driven curriculum employing innovative, leading edge, teaching and learning methods, research and professional services that promote integrated, life-applicable, life-transforming education relevant to the context of Science, Technology and Human Capacity Building.



## Departure Philosophy

### A departure from:

- form to skill,
- knowledge to empowerment,
- figures to future-building,
- legalism to realism,
- points to facts,
- mathematics to *lifematics*.

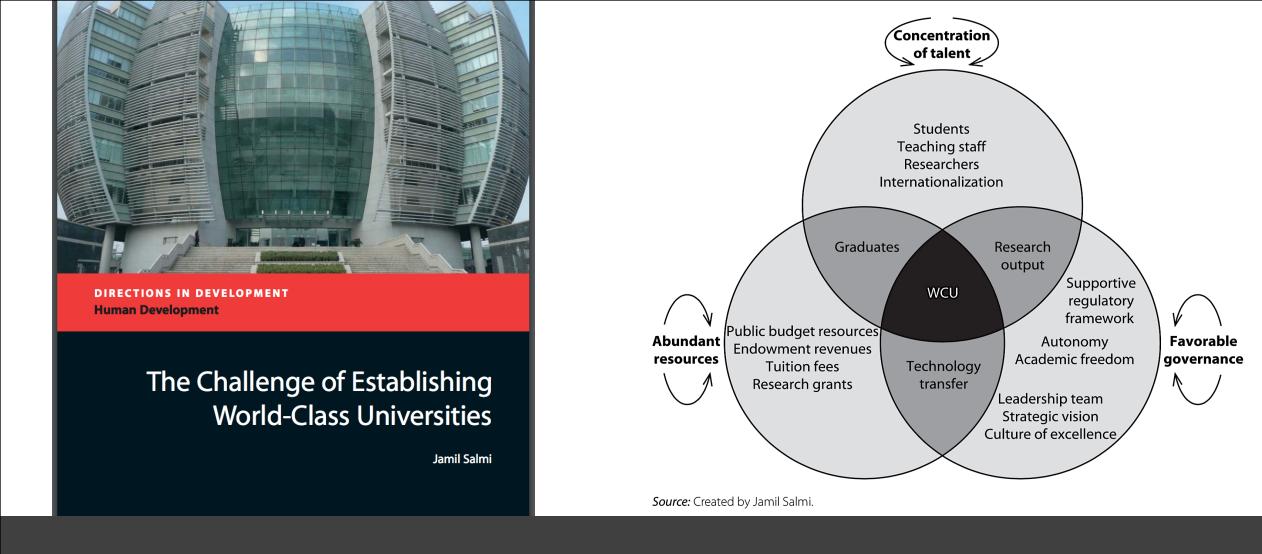


# Vision *10:2022*

To become one of the top ten universities in the world by the year 2022.

## VISION 10: 2022





Characteristics of a World-Class University

## Costs and Benefits of Strategic Approaches for Establishing World-Class Universities

Conditions	Upgrading existing institutions	Merging existing institutions	Creating new institutions
Ability to attract talent	Difficult to renew staff and change the brand to attract top students	Opportunity to change the leader-ship and to attract new staff; existing staff may resist	Opportunity to select the best (staff and students); difficulties in recruiting top students to "unknown" institution; need to build up research and teaching traditions
Costs	Less expensive	Neutral	More expensive
Governance	Difficult to change mode of operation within same regulatory framework	More likely to work with legal status different from that of existing institutions	Opportunity to create appropriate regulatory and incentives framework
Institutional culture	Difficult to transform from within	May be difficult to create a new identity out of distinct institutional cultures	Opportunity to create culture of excellence
Change management	Major consultation and communication campaign with all stakeholders	"Normative" approach to educate all stake- holders about expected norms and institutional culture	"Environmentally adaptive" approach to communicate and socially market the new institution

Source: Created by Jamil Salmi.

# The formula for a world-class university revealed

- The average top 200 university:
- Has a total **annual income** of **\$751,139** per academic
- Has a student-to-staff ratio of 11.7:1 (Covenant = 14:1)
- Has 20% of its staff from abroad
- Has a total research income of \$229,109 per academic
- Publishes 43% of all its research papers with at least one international co-author (Covenant = 32.3%)
- Has a student body made up of 19% international students.

#### Collaboration \$

Publications at Covenant University, by amount of international, national and institutional collaboration



Metric		Publications	Citations	
International collaboration	32.3%	666	2,141	
<ul><li>Only national collaboration</li></ul>	18.1%	374	739	
Only institutional collaboration	42.7%	879	974	
■ Single authorship (no collaboration)	6.9%	142	332	





# The Word of Prophecy

### *Romans* 9:28

For

**he will finish** the work, and **cut it short** <u>in Righteousness</u>:

because

a short work will the Lord make upon the earth





To fulfill Vision 10:2022 evolving World-Class Research University



# ReCITe Agenda

**Re**search is our responsibility

<u>C</u>itation + <u>I</u>nnovation <del>></del> Income is the reward

**Te**aching is our goal

# Research = 30%





ReCITe

Teaching = 30%

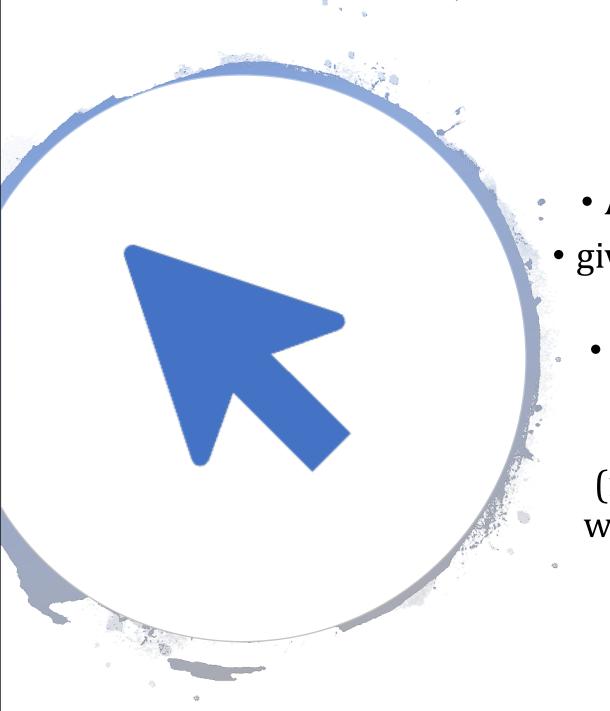
**Citation = 30%** 

Innovation etc = 10%



## **ASSUMPTION**

Vision 10:2022 (1-of-10-in-10) is considered fulfilled whenever Covenant attains a Top 10 position in any reputable global academic ranking outlet, irrespective of the ranking methodology.



## **STRATEGY**

- Aim for the Sun and land on the Moon,
- given that Moon resides in domain Top 10 WCU.
  - This we shall accomplish through the instrumentality of '*Glocalisation*'
  - i.e. benchmarking with established (indisputable) World Class Universities, while introducing innovations to address our local contextual needs.

# Approaches to Achieving WCU Status



- 1. Transition **from** a predominantly **teaching** university **to** a **research** university
- 2. Proper *leadership* and *vision* can drastically improve the quality of teaching and research in existing research universities.
- 3. A faster and more effective approach to achieving world-class status is by starting new Institutions if the following conditions are present from the start:
  - Availability of academic *talent*;
  - Availability of financial *resources*;
  - Responsible *governance*: particularly autonomy and academic freedom



# STRATEGIC Business Ry of Paragraphic A Para

Vision 10:2022

# **ReCITe** Approach for Realization of Vision 10:2022

- Gradual realization of an overall Student:Staff
   Ratio (SSR) of 10:1 across all programmes
  - Strict adherence to established grading policy
  - Pegging of Undergraduate intake from next academic session
  - Strict adherence to all established Senate decisions on promotion (or otherwise)

2018-2022

# ReCITe Approach for Realization of Vision 10:2022

- *Extremely* selective academic recruitment and progression policy
- Scientific identification and development of Covenant's core areas of natural competencies to create a niche for the university





**OPERATIONAL POLICIES** 

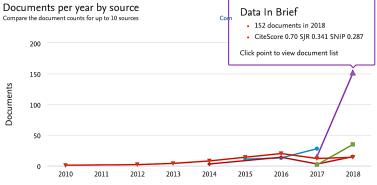
# ReCITe Approach for Realization of Vision 10:2022

- Increasing research visibility and accessibility
  - Elastic budget for high impact, open access (OA) publications
  - Sponsorship of conferences with Scopus/Wok OA Proceedings
  - Discouraging submission of articles to subscriptiononly publication outlets
  - Uploading of all CU-hosted conferences to university repository with CC OA License
  - Educating Faculty on proper outlets for dissemination of groundbreaking research findings
  - Set up a unit saddled with conference/workshop organization







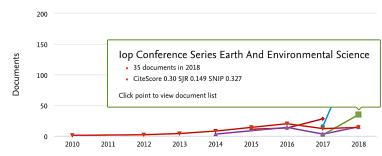


- ◆ International Journal Of Applied Engineering Research
   ◆ Aip Conference Proceedings
   ◆ Data In Brief
- → Lecture Notes In Computer Science Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes I Bioinformatics

#### Documents per year by source

Compare the document counts for up to 10 sources

Compare sources and view CiteScore, SJR, and SNIP data



- Data In Brief International Journal Of Applied Engineering Research
- ➡ lop Conference Series Earth And Environmental Science ★ Aip Conference Proceedings
- Lecture Notes In Computer Science Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes In Bioinformatics



ReCITe!

#### **COVENANT UNIVERSITY**

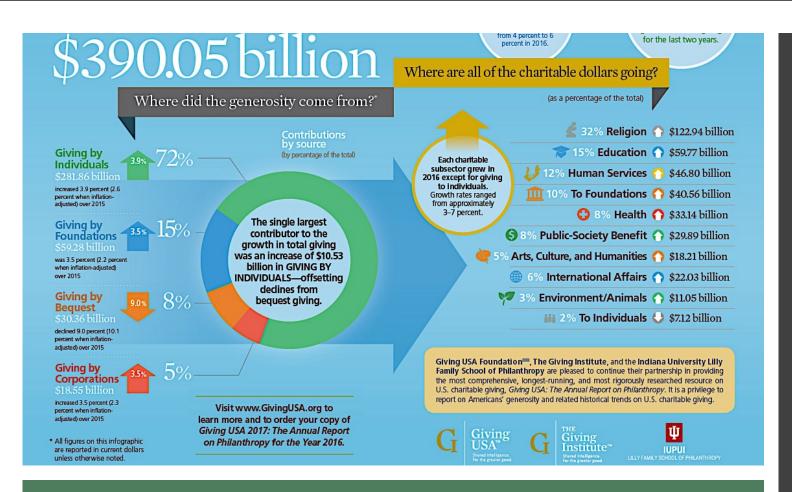
# Appointment and Promotion Criteria

Rewarding Academic Excellence

2018-2020

# ReCITe Approach for Realization of Vision 10:2022

- Revisiting the Appointment and Promotion criteria with a view to enhancing the reward of research excellence
  - Creation of special section for purely research Professors
  - Enhancing collaborations with *WCUs*



ReCITe Approach for Realization of Vision 10:2022

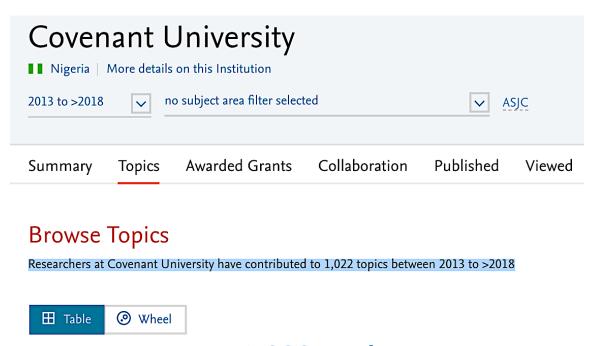
- Regular capacity building events for the management team
- Promoting fundamental and curiosity-driven exploration
- Re-invigoration of university's endowment drive
- Identifying key areas on which to concentrate the university's research and resources



## IMPACT MEASUREMENT

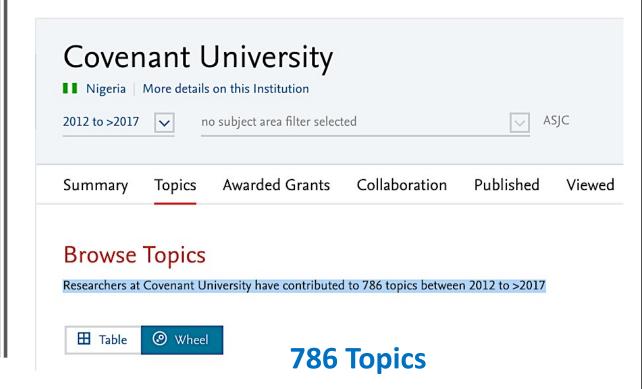
Research Output Data | Citation Data | Collaborations

#### 2013 to > 2018



**1,022 Topics** 

#### 2012 to > 2017



# 30.03% increase in Topics!

### 2016

In 2016, *Elsevier Scival* Data Analytics mined Covenant's publication Data in *Scopus* from (2011–2015) and reported Covenant as having:

- 2 Distinctive Competencies as #1 Globally
- 2 Distinctive Competencies as #2 Globally

Total of <u>4</u> Distinctive Competencies

### 2017

In 2017, Elsevier Scival Data Analytics mined Covenant's publication Data in Scopus from (2012–2017) and reported Covenant as having:

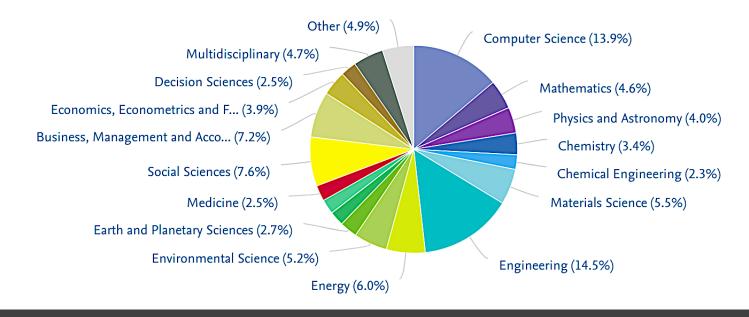
- 19 Distinctive Competencies as #1 Globally
- 17 Distinctive Competencies as #2 Globally

Total of <u>36</u> Distinctive Competencies

800% Increase in One year!

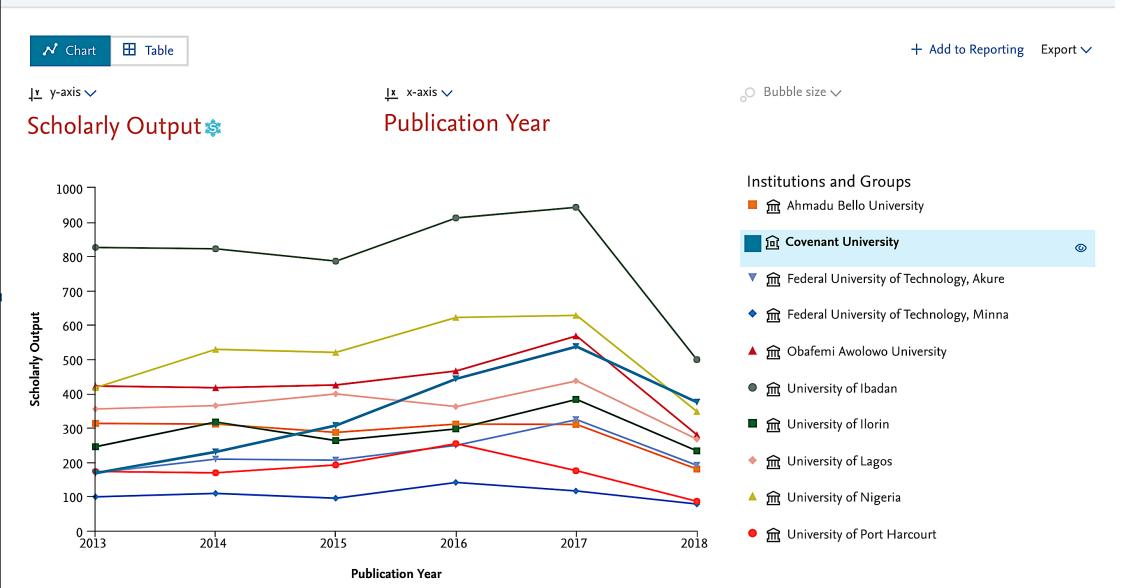


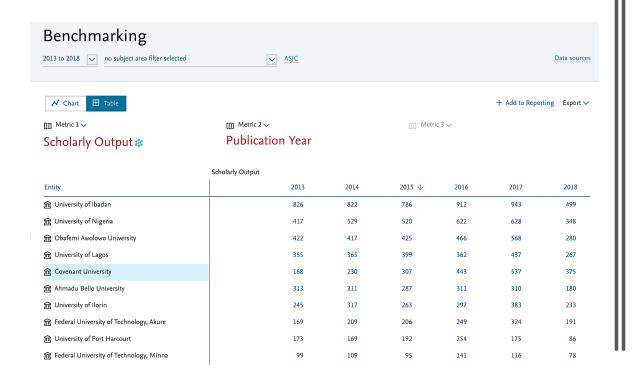


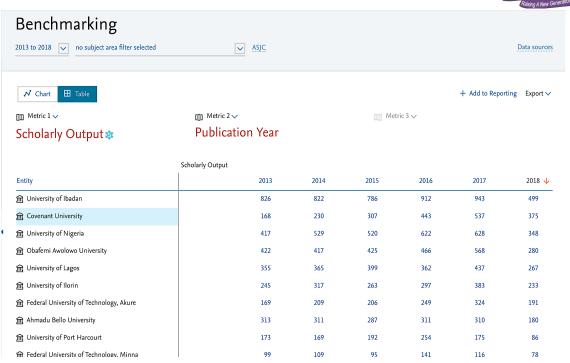


### Overall Research Performance 2018.08.07

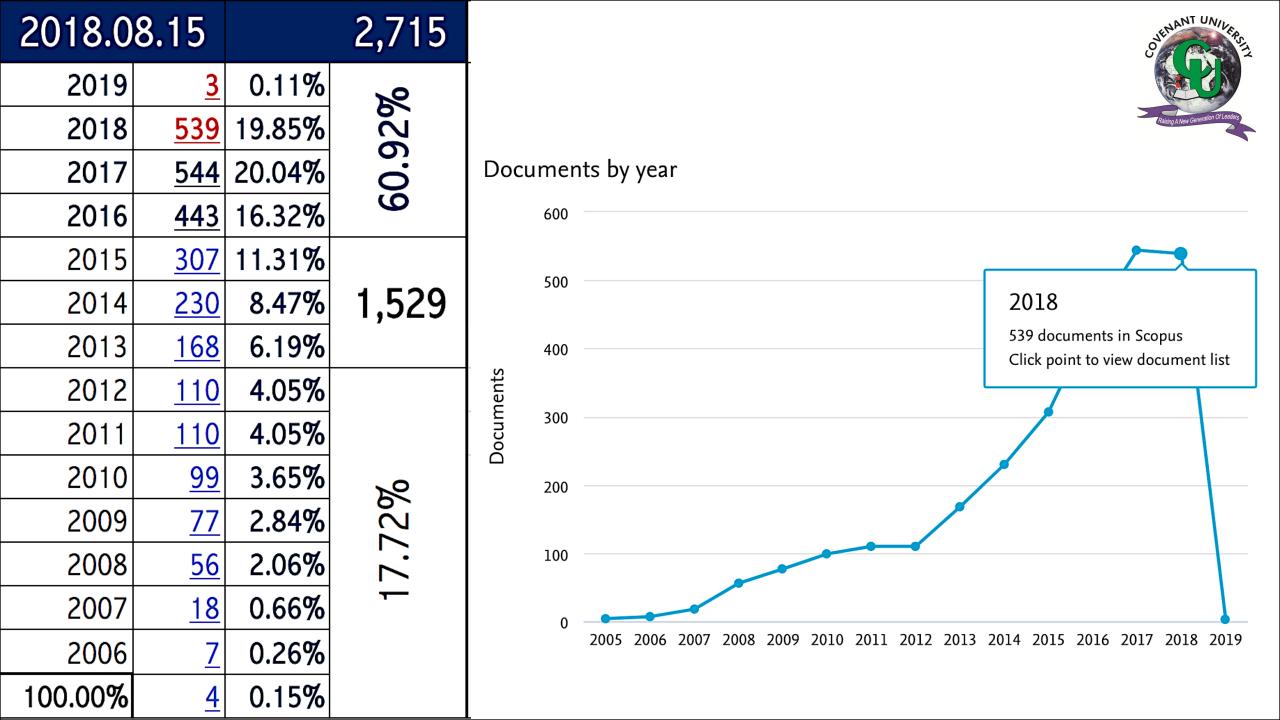


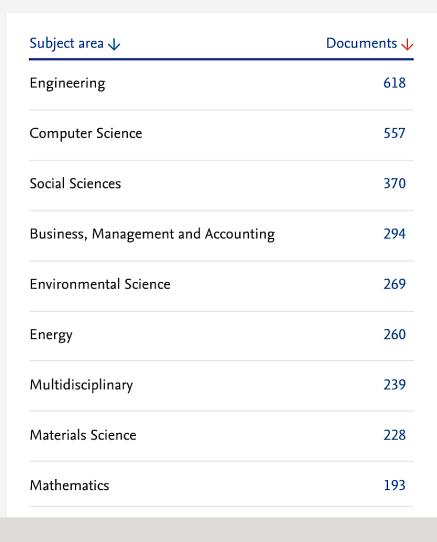


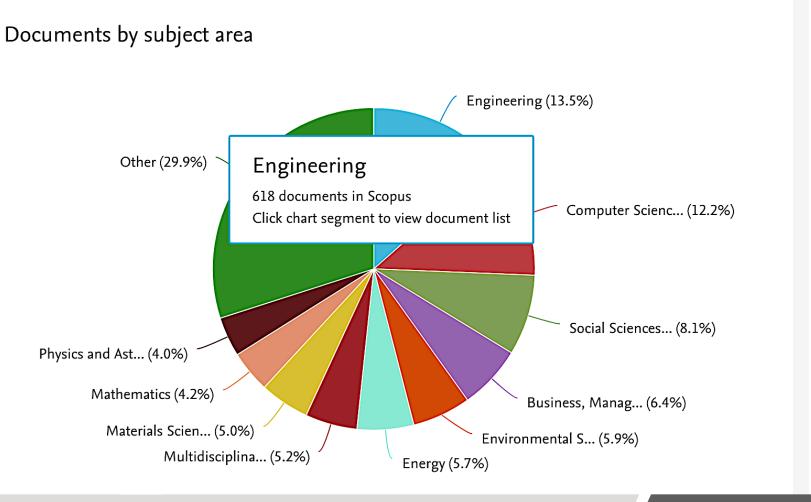




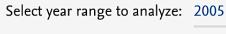
# From 5<sup>th</sup> to 2<sup>nd</sup> in Nigeria by Publication Volume







## Covenant's Core Competencies

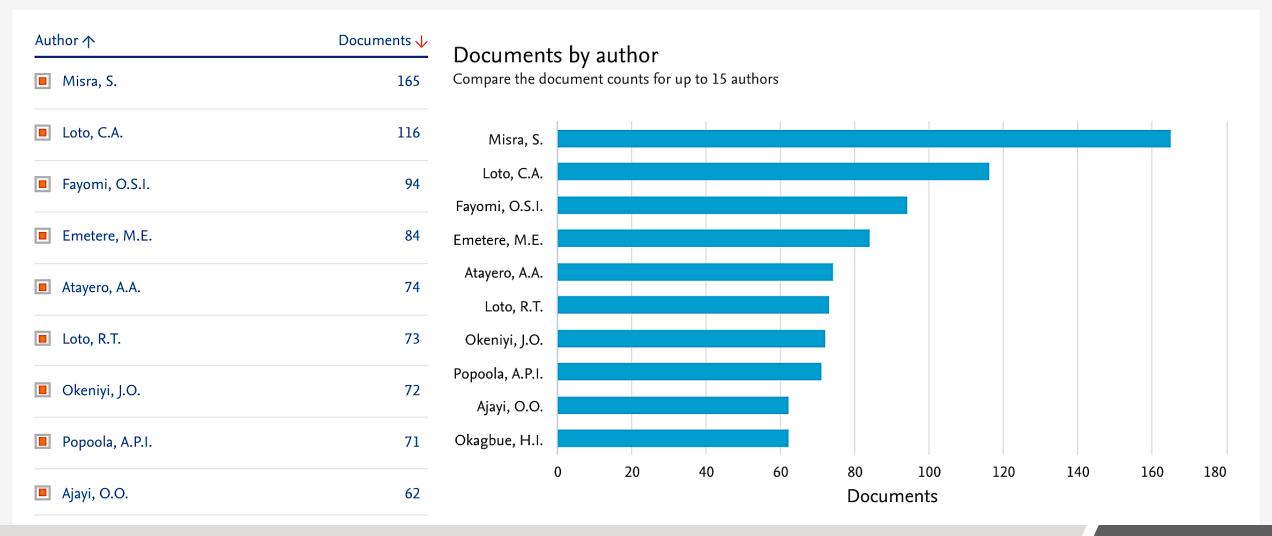




2019



Analyze



# Covenant's Top 10 Authors







































## TEACHING IMPACT

Accreditation Data | Employer Feedback | Graduation Results

### **NUC ACCREDITATION**

The 2017 accreditation exercise recorded

100% success with

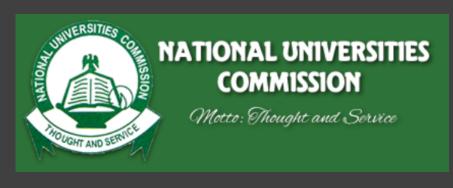
19 (i.e. 90.48%) of the 21 programmes visited returning with **FULL accreditation**.

s/n	Programme	Status	Visited	Maturity
1.	Accounting	Full	2015	2020
2	Banking & Finance	Full	2017	2022
3	Business Administration	Full	2017	2022
4	Industrial Relations & HRM	Full	2017	2022
5	Marketing	Full	2017	2022
6	English	Full	2017	2022
7	Mass Communication	Full	2015	2020
8	Psychology	Interim	2017	2019
9	Sociology	Full	2015	2020
10	Demography & Social Statistics	Full	2015	2020
11	Economics	Full	2015	2020
12	International Relations	Full	2015	2020
13	Policy and Strategic Studies	Full	2017	2022
14	Political Science	Full	2015	2020
15	Chemical Engineering	Full	2017	2022
16	Civil Engineering	Full	2017	2022
17	Computer Engineering	Full	2015	2020
18	<b>Electrical &amp; Electronics Engineering</b>	Full	2017	2022
19	Information & Communication Engrg.	Full	2017	2022
20	Mechanical Engineering	Full	2017	2022
21	Petroleum Engineering	Full	2017	2022
22	Architecture	Interim	2017	2019
23	Building Technology	Full	2015	2020
24	Estate Management	Full	2017	2022
25	Biochemistry	Full	2015	2020
26	Biology	Full	2017	2022
27	Microbiology	Full	2015	2020
28	Industrial Chemistry	Full	2017	2022
29	Computer Science	Full	2017	2022
30	Management Information System	Full	2017	2022
31	Industrial Mathematics	Full	2017	2022
32	Industrial Physics	Full	2017	2022



# Accreditation Status

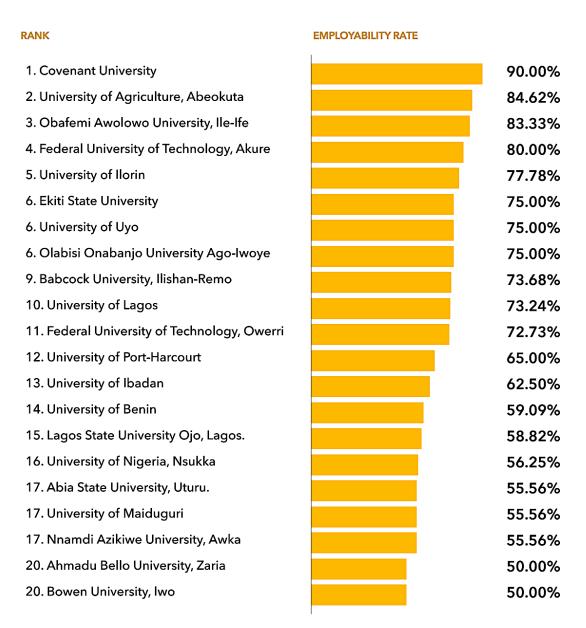
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12	International Relations	Full	2015	2020
13	Policy and Strategic Studies	Full	2017	2022
14	Political Science	Full	2015	2020
15	Chemical Engineering	Full	2017	2022
16	Civil Engineering	Full	2017	2022



## Accreditation Status

s/n	Programme	Status	Visited	Maturit	
17	Computer Engineering	Full	2015	2020	
18	Electrical & Electronics Engineering	Full	2017	2022	
19	Information & Comm. Engrg.	Full	2017	2022	
20	Mechanical Engineering	Full	2017	2022	
21	Petroleum Engineering	Full	2017	2022	
22	Architecture	Interim	2017	2019	
23	Building Technology	Full	2015	2020	
24	Estate Management	Full	2017	2022	
25	Biochemistry	Full	2015	2020	
26	Biology	Full	2017	2022	
27	Microbiology	Full	2015	2020	
28	Industrial Chemistry	Full	2017	2022	
29	Computer Science	Full	2017	2022	
30	Management Information System	Full	2017	2022	
31	Industrial Mathematics	Full	2017	2022	
32	Industrial Physics	Full	2017	2022	

#### **TOP 20 MOST EMPLOYABLE UNIVERSITIES**





#### **Covenant Tops Most Employable Graduates List**

Stutern, a Lagos-based startup and an online platform that carries out studies on employment in Nigeria and Nigerian universities, has in its 2016 edition of 'The Nigerian Graduate Report' publication ranked Covenant University Number One in the list of Nigerian universities (both private and public) with the Most Employable Graduates.

Click here to download Stutern Nigerian Graduate report 2016.

According to the report by Stutern, Covenant University, with 90% employability rate, emerged first among institutions that have more employed graduates according to the employment status of their graduates. Only two private institutions made the top 10 list while others were Federal and State institutions.

The University of Agriculture, Abeokuta, with 84.62% employability rate, was second; Obafemi Awolowo University, lle-lfe, with 83.33%, was third; while Federal University of Technology, Akure and the University of Ilorin with 80.00% and 77.78% were fourth and fifth respectively.



The Nigerian Graduate Report

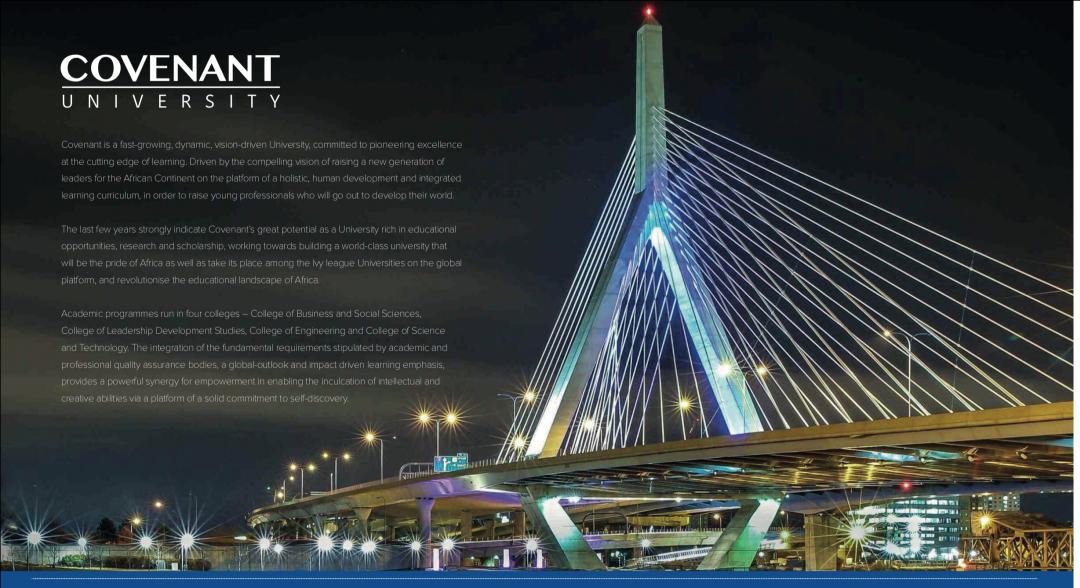
#### DEGREE CLASSIFICATION FOR GRADUATING STUDENTS ACROSS YEARS 211 2|2 **CLASS** 1st 3rd SESSION No. % No. % % No. % TOTAL No. 39.37 1,496 7.62 722 2012/2013 114 48.26589 71 4.7582 1,334 2013/2014 594 531 39.81 127 9.52 6.1544.53 609 6.92 1,315 2014/2015 104 7.91 46.31 511 38.86 91 1,399 2015\2016 156 10.54 685 47.52 454 34.04 104 7.9216.88 568 50.99 312 4.13 1,114 2016\2017 188 28.01 46 15.74 2017\2018 49.27 1,512 238 745 445 29.43 84 5.56 882 10.80 3,923 48.02 34.79 523 2,842 8,170 TOTAL 6.40

Comparative Analysis of Graduating Class Results since 2013



## GLOBAL RANKING

**Times Higher Education** 



NIGERIA'S **LEADER** IN **MULTIDISCIPLINARY OUTPUT** 

12% OF THE TOP 100 AUTHORS ARE FROM THE COVENANT UNIVERSITY

NUMBER 1 IN SCHOLARLY OUTPUT IN NIGERIA IN: BUSINESS MANAGEMENT & ACCOUNTING SINCE 2013
COMPUTER SCIENCE SINCE 2013
ENGINEERING SINCE 2015

Discover more: www.covenantuniversity.edu.ng



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Overview

Pillars

Metrics

Benchmark Institutions

Peer group analysis

Subjects

Reputation



## **Covenant University**

Rank

801-1000

Selected year: 2018 V

#### THEDataPoints NewData

The information on these pages is based on our best effort estimates of how you would have scored were you included in the THE Ranking this year. It is intended to help you better understand how your institution performed relative to your peers and universities worldwide. Information on these pages should not be used in your external communications.

Covenant University ranked joint 801–1000 this year out of 1102 institutions worldwide. Your strongest Pillar was Industry Income where you ranked in the 3 decile. Your weakest Pillar was Citations where you ranked in the 9 decile. Within Nigeria you ranked joint 1st out of 2 institutions.

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**Executive summary** 

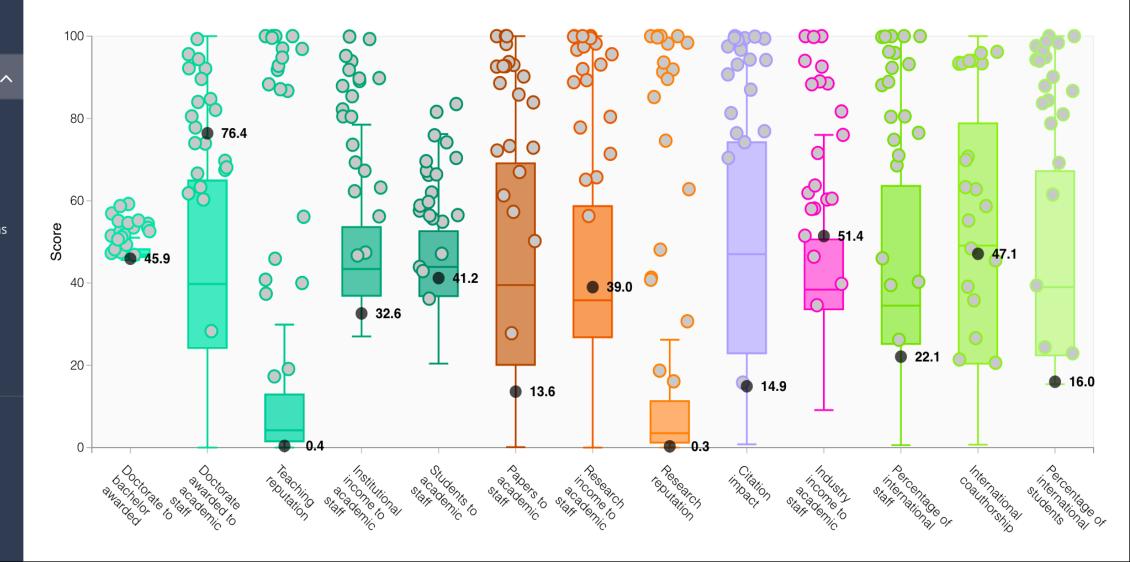
**COOKIE POLICY** 

TERMS AND CONDITIONS



**ADD ALL PEERS** 

Region: Worldwide



Subject: Your institution has been ranked | THE World University Rankings

From: summits@timeshighereducation.com

To: vc@covenantuniversity.edu.ng

Date: Wednesday, August 15, 2018, 7:08:27 AM GMT+1





#### Your university has been ranked in this year's *Times Higher Education* World University Rankings

We are pleased to let you know ahead of the official announcement, that your institution will be appearing in the *THE* World University Rankings 2019. You will be notified of your ranking position a minimum of two days prior to publication.



INTERNAL MEMO

To: Chancellor

From: Vice-Chancellor Date: August 15, 2018

Subject: Covenant Ranked among Top 5% of Universities globally!

Good news!



## REWARD SYSTEM

RECITE A&P CRITERIA | OPERATIONAL POLICIES



<u>ReCITe!</u>

## Appointment and Promotion Criteria

Rewarding Academic Excellence

2018-2020

# RECITE PROMOTION CRITERIA



#### Preamble

Covenant University is poised to become one of the top ten universities in the world by the year 2022. This is the very present encapsulation of the overall vision of the University, which is to raise a new generation of leaders in all fields of human endeavor. The ReCITe approach to the fulfillment of the vision raises a new set of demands with very strong emphasis on research as the driving force for attaining all other parameters necessary to becoming a world-class university. It is with this aim in mind that it has become imperative to evolve a new document for assessing the quality of applicants for various positions in the three career tracks which are: Research, Teaching and Research/Teaching (a combination of Research and Teaching) cadres of Covenant (see Appendix 1 and 2 for details).



#### Preamble

To ensure *equity, fairness* and *transparency* and to reward performance in all matters of promotion of academic staff these guidelines shall be followed. The University will strive to attain and maintain credible standards of appraisal for all Career tracks of Staff with the key objectives of *encouraging, acknowledging, and rewarding:* 

- a) Scholarship
- b) Teaching Quality
- c) Professional Competence and technical skills (where applicable)
- d) Service and Leadership.
- e) Alignment with Core Values.



## Professorial Appointment

- **2.10.** Appointment or promotion to the rank of Professor can only be approved for any faculty in the University subject to the following:
  - i. The applicant for Professorial position must not be more than sixty-five (65) years old.
  - ii. The applicant must have occupied or headed at least one leadership position with trait of exemplary leadership established, either in Committee, Directorate, Department, or College, in the University.



## The Scoring System

**Table 1: Parameters for Assessment of All Faculty Career Tracks** 

	Parameter	Research	Research/Teaching	Teaching
1.	Sound scholarship	330	90	75
2.	Effective and competent teaching	NA	240	255
3.	Leadership and Service <sup>b</sup>	15	15	15
4.	Contribution to Community Development <sup>b</sup>	15	15	15
5.	Alignment with the University's Core Values	40	40	40
Total		400	400	400

#### Scopus H-Index



- f) For promotion to the grade of **Senior Lecturer**:
  - 1. Applicant must have a *Scopus h-index* score of not less than One (1).
  - 2. Not less than 60% of the articles shall be published in international Journals.
- g) For promotion to the grade of Associate Professor:
  - 1. Applicant must have a *Scopus h-index* score of not less than Two (2).
  - 2. Not less than 70% of the articles shall be published in international Journals.
- h) For promotion to the grade of **Professor:** 
  - 1. Applicant must have a *Scopus h-index* score of not less than Three (3)
  - 2. Not less than 70% of the articles shall be published in international Journals.
- i) A candidate shall be the lead in not less than 60% of jointly authored articles for Senior Lecturer and above.
- j) **ALL** Journal articles indexed in *Scopus* or the *Web of Science Core Collection* (*Core Collection*), shall be scored between **1.02** and **4.00** points, using the *Scopus <u>CiteScore</u> percentile of the source journal as presented in Tables 3.1 and 3.2*

#### Percentile Table



**Table 3.1: Scoring of Journal Publications** 

	Points										
Percentile	+	0	1	2	3	4	5	6	7	8	9
	0	1.03	1.06	1.09	1.12	1.15	1.18	1.21	1.24	1.27	1.30
	10	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.60
	20	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.84	1.87	1.90
	30	1.93	1.96	1.99	2.02	2.05	2.08	2.11	2.14	2.17	2.20
	40	2.23	2.26	2.29	2.32	2.35	2.38	2.41	2.44	2.47	2.50
	50	2.53	2.56	2.59	2.62	2.65	2.68	2.71	2.74	2.77	2.80
	60	2.83	2.86	2.89	2.92	2.95	2.98	3.01	3.04	3.07	3.10
	70	3.13	3.16	3.19	3.22	3.25	3.28	3.31	3.34	3.37	3.40
	80	3.43	3.46	3.49	3.52	3.55	3.58	3.61	3.64	3.67	3.70
	90	3.73	3.76	3.79	3.82	3.85	3.88	3.91	3.94	3.97	4.00

<sup>\*</sup> Except in cases where the journal has a percentile score greater than 76% in Scopus.

## Career Progression



