

KENYA EDUCATION NETWORK (KENET)

Annual Core Data 2022 Questionnaire - Tertiary Colleges

1.	a) Date:b	b) Name of Head of College	
2.	a) E-mail Address	b) Personal Mobile Number:	
3.	Name of College:	Location	_
4.	College Address		
	Telephone		
Ī	E-mail		
Ī	Location of Headquarters	(HQ)	
Ī	Website address		

5. Total number of college branches _____

6. Start Month for college Academic Year e.g., September 1, and/or Financial Year

e.g., July 1 _____

Total Number of Students

7. Total Number of Students in the entire college (sampling date = October 1 of every year)

	AY 2020 (Oct 202	-	AY 2021 (Oct 202	-	AY 2022 (Oct 202	-
Category	Male	Female	Male	Female	Male	Female
Higher Diploma						
Diploma						
Certificate						
Others						
(eg,Bridging courses)						
Total						

8. Total number of students (headcount) - including privately sponsored students in the college (AY 2022/2023) _____

Employee data

9. Total Number of Staff (**2022**)

Category	Male	Female	Total
Total Full-tome Teaching staff or faculty			
Total Full-time teaching staff with PhD degree			
Total Part-time teaching staff			
Total Full-time researchers (who are not faculty members)			
Total Administration support Staff			
Others e.g Casuals, interns			



10. a) What is the tittle of the Head of ICT services in your college? (e.g., CIO, ICT director, ICT manager)

b) Total number of ICT staff

ICT Staff	Male	Female	Total
Network /System Admin Staff			
Application developers			
Webmasters			
Instructional designers			
End-user Support (include call center if any)			
Others			

11. How many years of experience does your senior system/network administrator have?

None <1 year 1-2 years	3-4 years 4-5 years	5-7 years >7 years
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Capacity Development for ICT Staff

12. What training opportunities are available to your junior ICT workforce?

None	Local ICT	In-house	External	Local vendor
	colleges 🗌	programs 🗌	consultants 🗌	training 🗌

13. What training opportunities are available to your senior ICT professionals?

None	Local colleges /universities	Training abroad	External consultants

- 14. How many ICT professionals received systems and network administration training in the FY 2021/2022?
- 15. a) Do you have a budget for training ICT staff? Yes 1 No 2

b) If yes, what is the budget? Ksh.____

16. How often on average do the ICT staff upgrade their technical skills?

Never	Every Year	Every 2	Every 3	Every 4-5	≥5 years
		years	years	years	

17. Which areas of training for ICT department are the most critical?

Area of Training	Please tick
Systems Administration	1
Network Administration	2
Application development	3
Big Data	4
Cyber security	5
Wireless networks	6
Cloud Computing	7
Others, please specify	



a) How many trainings have the network and systems administrators attended in the past year

b) Has the network and systems administrators attended any of the KENET trainings?

Yes No

c) If yes, please specify the training(s) they have attended

18. Which trainings would you like the ICT team to undertake at KENET?

Training	Please tick
Cyber Security	1
Systems Administration (Unix/Linux)	2
Network monitoring and management	3
Scalable Campus network design	4
Wireless networks	5
Others, please specify	

Capacity Development for Staff

19. a) Does the college use online Webinars for workshops and staff capacity building?

b) If yes, what Webinar platform does the college use (e.g., Big Blue Button or Zoom)?

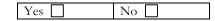
c) If yes, what is the total number of active WiFi access points in all your college?

d). Are you aware that KENET has FREE online courses in Cyber Security Awareness Course for all staff and students?

Yes No

e). If yes, how many of your staff have taken the courses in the past one month

f) Are you aware that KENET has FREE online courses in Introduction to Moodle for all faculty?



g). If yes, how many of your staff have taken the courses in the past one month

20. What ICT capacity development courses were offered to staff in the FY 2020/2021?

eLearning Services or Academic ICT Services

21. Has Your institution embraced online/hybrid learning?

Yes No

22. Does your institution have an eLearning policy?

Yes No

Core Data 2022 - Tertiary Colleges



23. What learning management system (LMS) does your institution use for continuous staff development (Please tick)?

1 Moodle 2 Blackboard

3 Other . (specify)

4 None

24. What library system was deployed in your institution e.g Koha

25. a). Have you setup a digital repository? Yes No

d). If yes, which application is it running on ? eg DSPACE.....

c). Is your institution subscribed to digital e-books?



b) Where is the digital repository hosted?

1 KENET

- 2 On Campus
- 3 Cloud provider in Kenya.
- 4 Cloud Provider outside Kenya
- 5 Others please specify____

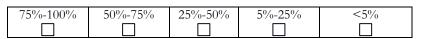
26. Which library security system is used in your library?

Electro-magnetic systems
Radio frequency (RF) systems
Concealed EAS systems.
Microwave systems.
Acousto-magnetic systems
Others, please specify______

27. Is access to Facebook / YouTube allowed during working hours?

Yes	No 🗌

28. What is the percentage of staff who need Internet access for their daily work or research?



29. a) Do your researchers use advanced research computing (e.g., HPC or Grid Infrastructures, research data storage etc.) and scientific applications or appliances available through Institutional ICT directorates or through KENET research ICT services?

Yes	No 🗌	Do not know

b) If yes, please select the advanced research computing services you use from the list below

Research Computing Services	Please tick
i. KENET Virtual LAB (Research Computing)	1
ii. HPC access at the Centre for High Performance Computing in South Africa	2
iii. Research data storage	3



iv. Software (R, MATLAB, Scilab, GNU Octave, Jupyter Notebook)

College Expenditure

30. Expenditure (extracted from audited accounts and/or management accounts; provide copy of audited accounts for each FY)

Expenditure	FY 2020/2021	FY 2021/2022
a. Total Institutional Expenditure		
b. Total Recurrent Expenditure		
c. Total Capital Expenditure		
d. Annual ICT recurrent Expenditure		
e. Annual ICT capital expenditure		
f. Annual Internet Expenditure		
g. Annual Student ICT Lab Fees		
h. Annual Telephony Expenditure		
i. Total Annual ICT Staff salaries		

31. Budget for Digital Infrastructure and Skills Investments

	FY 2021/2022	FY 2022/2023	Projection 2023/2024	FY
a). College ICT Infrastructure				
b). Digital Skills Development for faculty and staff (Faculty Development for Teaching with technology, Instructional Design, Curriculum Reforms)				
c). Digital Skills Development for Students (e.g., Analytics, Application Development, Digital Designs, Digital Marketing				
d). Remote Teaching Classroom Infrastructure (white boards, virtual classroom software for live interactive online classes)				

32. Gross Salary range for ICT staff with 3 years of experience and average for department

Salary Ranges	Lowest (KSh)	Highest (KSh)	Average (KSh)	
System Administrators				
Network Administrators				
Application Developer				
Webmasters				
Instructional designers				
ICT Director				

33. a) Does your college charge students' computer/ICT lab fees?

Yes No

b) If Yes, do you charge per term or per academic year?

Term	Academic	vear	1

34. c). How much do you charge for Computer/ICT lab fees per student per academic year in KES?



College ICT Infrastructure

- 35. Do you have a backup generator for all ICT equipment at your college? Yes 1 No 2
- 36. If yes, what is the capacity (in KVA) of the generator at your location?
- 37. Do you have solar power (or other renewable energy) at your campus?
- 38. If yes, what is the capacity (in kW) of the renewable energy source at your location?
- 39. Do you have UPS equipment (distributed or centralized) for all your networked ICT equipment including office computers?

Yes 1	No 2

- 40. Do you have air-conditioning equipment for your server room?
- 41. What was the size of your college wireless LAN in terms of total number of wireless network access points in October 2021?
- 42. Do you have a VoIP gateway on your PBX (SIP/E1)? Yes 1 No 2
- 43. Is your college network segmented using VLANs for the different areas of the college or is it one flat network?

Yes 1 No 2

- 44. Does your college have firewalls installed at all your campuses?
- 45. Is there free Wi-Fi in your college? Yes No
- 46. Do you plan to upgrade, refresh, or renew your campus ICT infrastructure in the next 12 months? Yes 1 No 2
- 47. If yes, how are you planning to finance the upgrade/refresh/renewal?

1 CAPEX (as ICT CAPEX)2 OPEX (as ICT OPEX)

Others, please specify_____

Information Systems (ERP and Learning Management Systems (LMS)

48. Has your college implemented an ERP/ Integrated business system or individual business applications?

1 ERP/Integrated business system
2 Individual business applications
3 Non
4 Others, please specify

- 49. If your college implemented an ERP/Integrated business system,
 - a) What is the product name of the ERP/Integrated business system?
 - b) Which year was the ERP//Integrated business system acquired?



50. Is the Implementation of an ERP/Integrated business system complete?

Yes	No 🗌
Other, specify	

51. To what extent is ERP/Information system implementation completed?

81%-100%	61%-80%	41%-60%	>40%
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52. Which ERP modules have been completed and are fully operational?

- 1 Finance Management Module
- 2 🗌 Student Admission, Registration & Student Management
- 3 🗌 Academics and Exam module
- 4 Procurement Module
- 5 🗌 Human Resources Management
- 6 Others, please specify____
- 53. To what extent does your ERP/Information system meet institutional business requirements or delivers value for money?

81%-100%	61%-80%	41%-60%	>40%

54. How frequently do you experience problems with your ERP/Information Systems?



55. What is the extent of your reliance on vendor/supplier support on resolution of ERP/Information System(s) issues?

81%-100%	61%-80%	41%-60%	>40%

- 56. What is the name of the vendor who implemented or support your ERP Systems)?
- 57. Was your staff trained to develop and maintain the integrated administrative information systems/ERP?
- 58. nIs the college data available from the computer-based information system/ERP of the college (Please tick:)?
 - Yes 🗌 No 🗌
- 59. Which other systems, apart from ERP/MIS are in use in your college?
- 60. a). Is any of your systems hosted in the private, community or public cloud?
 - Yes No

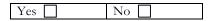
b). If yes, please state the systems hosted in the cloud ______



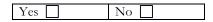
61. Where are your information systems servers (ERP, LMS etc.) located?

	Institution Server	Public/Community
	Room (tick)	Cloud (tick)
Computer-based information system /ERP	1	2
LMS	1	2
Others		

62. Are you willing to collaborate with another college in your member category to have a common cloud-based information system /ERP (Please tick□)?



63. Do you have a centralized identity database (shared user database) for authenticating your users into Internal systems like ERP, LMS, Library Catalogue?



Cyber Security and Business Continuity

64. Does your college have approved ICT policies and procedure manuals (e.g., ICT security, disaster recovery plan, business continuity plan)?



65. a). Do you have a disaster recovery plan for the systems running in your college?

Yes No

b) If yes, in what ways do you perform disaster recovery?

1 Full disaster recovery site (i.e., all services can run on the secondary site)

2 Offsite backup site for dumping files and databases

- 3 FREE Offsite storage (e.g., Google Drive or Dropbox)
- 4 dothers (describe)

c) If no, list some of the reasons *e.g., budgetary constraints, lack of ICT expertise etc.)

d). If yes, where is your DR site hosted.?

1 Different location of the college

2 KENET data center

3 External Public Cloud 4 Other

e) What is the total monthly cost of operating your full-fledged disaster recovery sites (e.g., servers, communication costs, colocation etc) KES _____

66. Which of the following KENET cloud services are you aware of?

Cloud Service	Please tick
Disaster recovery	1
Colocation	2
Virtual Private Server (VPS)	3
Domain hosting	4
Web Hosting	5
Virtual lab	6

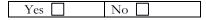


Data Protection Section

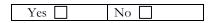
67. Have you ever heard of the Data Protection Act (DPA), 2019? i.e. the law which provides for the protection of personal data/information.



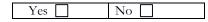
68. Are you aware of the Data Protection Act, 2019 and how it will affect your institution



69. Is your institutions complaint with the Data Protection Act 2019?



70. Has your institution registered as a Data Controller with the Office of the Data Protection Commissioner?



71. Are you aware of the right to privacy as guaranteed under the constitution of Kenya 2010?

Yes No

72. Are you aware of the legal requirements that apply to you/your institution for processing sensitive and non-sensitive personal data?



73. How would you like KENET to assist you in implementation of the Data Protection Act 2019?

1 Develop data protection policy templates

- 2 Conduct capacity building/awareness sessions on the Act
- 3 Assist in implementing the Data Protection Act for your institution

4 Others Please Specify_____

74. What are the sources of the personal data your institution collects?

1 Individuals

- 2 Government agencies
- 3 Private Companies
- 4 Others
- Specify ____

75. Are you aware of the data subject rights?

Yes	No 🗌

76. Do you have the following policies in place

Policy	Yes	No
Data Protection Policy (A policy that governs how your institution processes	1	2
personal information in accordance to the Data Protection Act 2019)		
Privacy Policy (A policy that informs persons whom you collect their personal	1	2
data, how the data will be processed and stored.)		



77. Does your institution? (Please tick)

	Yes	No
Process biometric data?	1	2
Use video-audio surveillance and/or facial recognition systems	1	2
Handle sensitive data such as health related data	1	2
Use personal data for direct marketing	1	2
Have any data protection training needs	1	2
Provide data protection training to employees	1	2
Make available privacy and data protection policies and notices?	1	2
Review privacy and data protection policies and notices to ensure they can be easily understood?	1	2

78. What threats if any has your institution encountered when complying with the DPA? [Please tick all that apply]

1	The potential	of data ta	impering by	third	parties/01	ur staff
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- 2 Bureaucracy in registration
- 3 The possibility of eavesdropping and Data Theft
- 4 Password-Related Threats
- 5 Unauthorized Access to data/information
- 6 Data subject related issues
- 7 None
- 6 Others
- Specify _____
- 79. How does your institution assess data related risks? [Please tick all that apply]
 - 1 The potential of data tampering by third parties/our staff
 - 2 Bureaucracy in registration
 - 3 The possibility of eavesdropping and Data Theft
 - 4 Password-Related Threats
- 80. And how does it mitigate these risks? [OPEN]

	1	
Name of ICT Director	Signature	Stamp _

Name of CEO _____

Signature_____ Stamp ____

THANK YOU FOR YOUR TIME END.