

2024 ANNUAL REPORT REPORTING TEMPLATE

1. Name of the School/Faculty/Department/Unit: **Faculty of Computing and Information Technology (FCIT)**

2. Brief Historical Background of the School/Faculty/Department/Unit, including vision, mission and philosophy:

1.1 Introduction and Historical Development

The Faculty of computing and Information Technology (FCIT) took-off in 2021/2022 academic session with four (4) Departments and four (4) Undergraduate programmes during the first year of its establishment. Currently the faculty offers Bachelor degree programmes in Computer Science, Cyber Security, Information Technology and Software Engineering, with an enrolment of 1260 students across all the levels (1,164 male and 96 female). The faculty has commenced PGD in Computer Science, M.Sc. Computer Science and PhD in Computer Science with various specialisations such as IT, Software Engineering among others. In 2028, the faculty aimed to commence academic programmes in Artificial Intelligence, Information Systems, Telecoms and Informatics & Data Science.

The establishment of the faculty was a response to the Jigawa State Government's drive for incorporating ICT as a component of state' education policy. The State envisaged to use ICT in promoting its sustainable economic development by facilitating economic growth, effective delivery of human development services such as health, education, security, and advancement in the quality and improvement of governance. The Faculty focused on research and provide training aimed at producing graduates in the field of Computing who will be well equipped with knowledge and skills that will form the basis of an entrepreneurial mind-sets and innovative solutions.

1.2 Philosophy and Objectives of the Faculty

1.2.1 Philosophy

The Philosophy of the Faculty is to provide training that will develop the mind, impact both theoretical and practical knowledge of the students, and develop their self-confidence, in order to help them to be innovative and self-reliant in the fields of Computing and Information Technology.

1.2.2 Objectives

The objectives of the faculty are:

- a) Create in students the awareness of and enthusiasm for Computing and Information Technology and their capabilities.
- b) Involve the students in an intellectually stimulating and satisfying experience of learning and studying
- c) Provide a broad and balanced foundation in Computing and Information Technology knowledge and practical skills.
- d) Develop in students through an education in Computing and a range of transferable applicable skills of information technology to all aspects of human endeavours.
- e) Generate in students an appreciation of the importance of computer in an industrial, economic, technological and social context.
- f) Provide students with knowledge and skills base for further studies in computing and Information Technology or multi-disciplinary studies involving computer science.

1.2.3. Vision

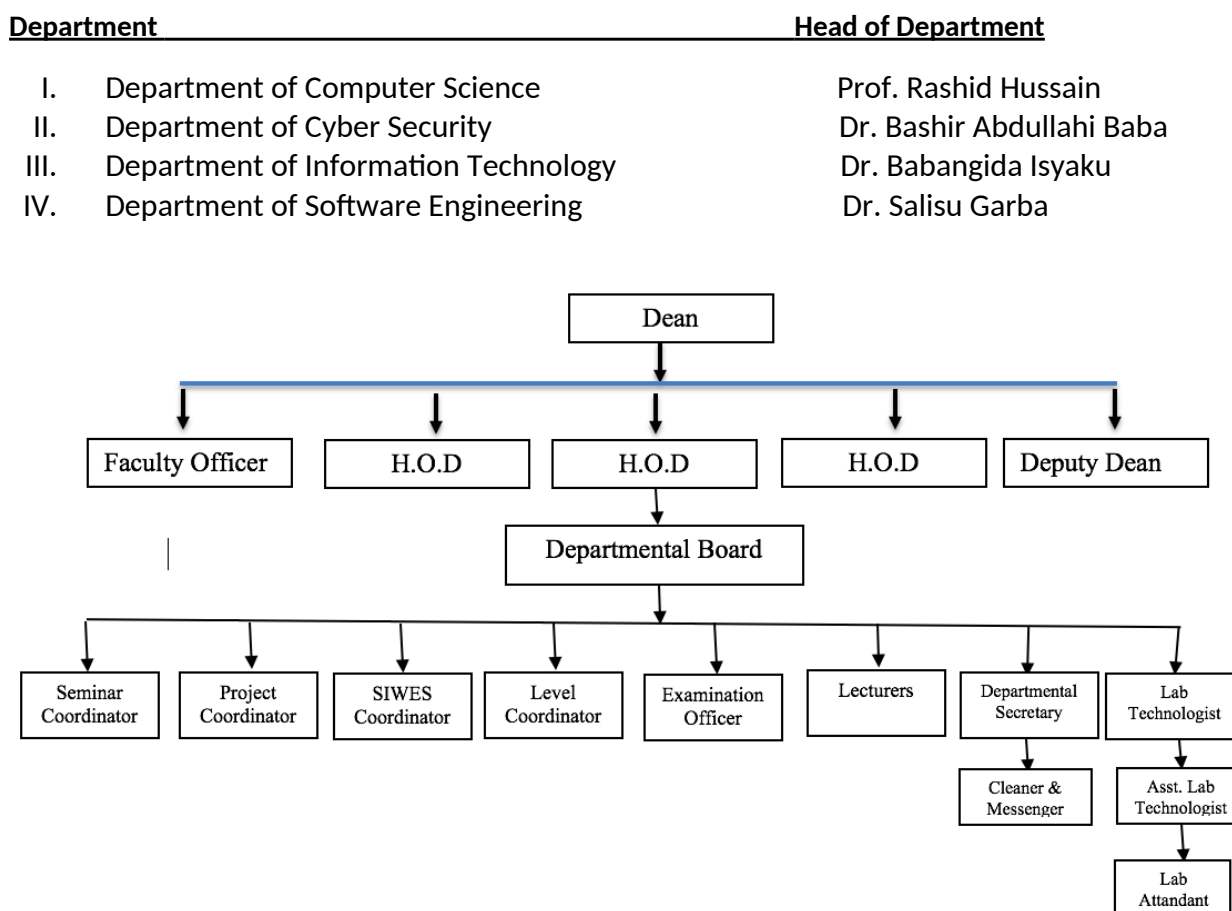
To be a World class Faculty that provides dynamic teaching, learning and research environment that will proffer solutions, using latest technology, to socio-economic problems through innovative solutions.

1.2.4 Mission

To produce graduates, sound in objective and critical judgment, in analyzing and synthesizing societal problems with a view to enhancing development through technologies.

1.3 Administration of the Faculty

The Faculty is headed by **Engr. Prof. Nasir Faruk** as the Dean, a Professor of Telecommunications and Information Technology, the Deputy Dean, Dr. Salisu Garba.



3. Picture (official portrait in academic gown if applicable) and Name of the Dean/Director/HOD:



4. Major activities undertaken in 2024:

- a) Teaching, research and administration
- b) Technical Presentation on The Faculty of CIT Guidelines and General Requirements for Excellence in Computing
- c) Membership Drive and Technical Presentation was organized by the IEEE ComSoc, Nigeria Chapter co funded by the IEEE ComSoc, HTB and Sule Lamido University Kafin Hausa Jigawa State, Nigeria. The Guest speaker of the event was Dr. Rislana Abdulazeez Kanya, Deputy Vice Chancellor Research Technology and Innovation, Technical Adviser on IT and Digital Economy. Dr. Rislana presented a paper on “Leadership Reflections: Meeting the Rising Expectations of 21st Century Jobs and Works”
- d) Presentation of Commendation Letters to Best Performing Students (2023/2024 Session)
- e) Showcasing Digital Marketing Certificates and Industry-Based Certification Policy for Faculty Students
- f) Technical Presentation on Mastering Research Gap Identification and Problem Statement Formulation in Computing Projects
- g) Deployment of Dedicated Internet Service Infrastructure and Services
- h) Accreditation of Computer Science Department
- i) Student Orientation Program
- j) Outsourcing of external Grants
- k) Industrial Linkages, Research and Collaboration

5. Staffing

5.1 Staffing [Department of Computer Science]

S/No.	Staff No.	Name	Rank/Designation	Nature of Appointment	STATUS
1.	359	Prof. Rashid Husain	Professor	FULL TIME	On ground
2.	651	Abdulrashid Sabo	Lecturer II	FULL TIME	On ground
3.	267	Ahmad Abdulkadir Madaki	Assistant Lecturer	FULL TIME	On ground
4.	407	Baffa Sani Mahmoud	Assistant Lecturer	FULL TIME	On ground
5.	193	Mohammad Jinjiri Wada	Assistant Lecturer	FULL TIME	On ground
6.	654	Aminu Malam Ya'u	Graduate Assistant	FULL TIME	On ground
7.	381	Isa M. Ismail	Lecturer II	FULL TIME	On Fellowship since 2021
8.	241	Marzuk Abdullahi	Lecturer II	FULL TIME	On Fellowship Since September 2021
9.	450	Usman Rabi'u Isah	Lecturer II	FULL TIME	on Fellowship: Since 2022
10.	545	Umar Aliyu Umar	Graduate Assistant	FULL TIME	On Fellowship 2023
11.	756	Umar Abdullahi Umar	M.Sc. in Computer Science	FULL TIME	On Fellowship Since September 2023
12.	816	Sa'du Zakariya Gujungu	Graduate Assistant	FULL TIME	On Fellowship Since September 2023
13.	655	Kabiru Musa	Graduate Assistant	FULL TIME	On Fellowship Since September 2023
14.	062	Nuruddeen Tijjani Wurno	Lecturer II	FULL TIME	On fellowship : Since 2024

5.2 Staffing [Department of Information Technology]

S/No.	Staff No.	Name	Rank/Designation	Nature of Appointment	STATUS
1.	537	Prof. Nasir Faruk	Professor	FULL TIME	On Ground
2.	061	Dr. Babangida Isyaku	Lecturer II	FULL TIME	On ground
3.	567	Ismail Ibrahim	Assistant Lecturer	FULL TIME	On Ground
4.	946	Lawan Abdullahi	Graduate Assistant	FULL TIME	On Ground
5.	512	Shafi'u Sani	Graduate Assistant	FULL TIME	On Fellowship since 2022

5.3 Staffing [Department of Software Engineering]

S/No.	Staff No.	Name	Rank/Designation	Nature of Appointment	STATUS
1.	055	Dr. Salisu Garba	Senior Lecturer	FULL TIME	On Ground

5.4 Staffing [Department of Cyber security]

S/No.	Staff No.	Name	Rank/Designation	Nature of Appointment	STATUS
1.	266	Dr. Bashir Abdullahi Baba	LECTURER I	FULL TIME	On Ground (Has withdrawn Service effective from August 2025)
2	1011	Wakili Safiya Suleiman	Assistant Lecturer	FULL TIME	On Ground

6. Staff Training (University-sponsored)

a) Staff on Fellowship

S/No.	Staff No.	Name	Programme of Study	Institution
1.				
2.				

Note: Any staff who wishes his graduation pictures to appear in the Annual Report should attached it to the submission.

b) Conference Attendance

S/No.	Staff No.	Name	Title of the Conference/Workshop/ Seminar	Date	Conference Organiser and Venue
1.	407	Baffa Sani Mahmoud	Academic Manuscript Writing: A Guide for Beginners	2024	Umma for Da'awa and Humanitarian Services (UDHS) Academic Unit, Online.
2.	816	Sa'du Zakariya Gujungu	Restructuring Nigeria's Economy: The Role of Science and Technology	2024	School of Applied Sciences Nuhu Bamalli Polytechnic Zaria @ Twin Theater, Beside Academic Planning building, Nuhu Bamalli Polytechnic Zaria
3.	055	Dr. Salisu Garba	Digital Marketing Strategy Training	2024	IEEE Communication Society, Nigeria Section @ Lecture Theater I, FCIT, Sule Lamido University Kafin Hausa
4.	055	Dr. Salisu Garba	Training on technology transfer & commercialization for beneficiary institutions	2024	TETFUND @ Sandralia Hotel, No. 1 Solomon Lar Road, Jabi, Abuja
5.	055	Dr. Salisu Garba	2 nd International Conference of the Faculty of Social and Management Science:	2024	Faculty of Social and Management Science @ Lecture Theater I, SMS,

			Dynamics of Corruption in Nigeria and the Imperative for a Virile Public Sector		Sule Lamido University Kafin Hausa
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Note: Any staff who wishes his pictures during the conference to appear in the Annual Report should attached it to the submission.

7. Staff Training (TETFund-sponsored)

a) Staff on Fellowship

S/No.	Staff No.	Name	Programme of Study	Institution
1.	241	Marzuk Abdullahi	Ph.D. in Computer Science	University Sains Malaysia
2.	381	Isa M. Ismail	Ph.D. in Computer Science	Cranfield University, UK
3.	450	Usman Rabi'u Isah	Ph.D. in Computer Science	INSA Centre Val de Loire France
5.	816	Sa'du Zakariya Gujingu	M.Sc. in Computer Science	Nigerian Defense Academy Kaduna
6.	655	Kabiru Musa	M.Sc. in Computer Science	Nigerian Defense Academy Kaduna
8.	756	Umar Abdullahi Umar	M.Sc. in Computer Science	Federal University Dutsee
9.	545	Umar Aliyu Umar	M.Sc. in Computer Science	Yusuf Maitama Sule University
10.	512	Shafi'u Sani	M.Sc. in Information Technology	Chandigarh University India
11	062	Nuruddeen Tijjani Wurno	PhD Computer Science	ATBU Bauchi

Note: Any staff who wishes his graduation pictures to appear in the Annual Report should attached it to the submission.

8. Research

a) Research Sponsorship

S/No.	Name(s) of Researcher(s)/Research Group	Title of the Research	Status (Ongoing / Completed)	Amount	Sponsor
1.	Engr. Prof Nasir Faruk	ICT-Hub and Internet For All Provision to Students and Host Communities in Sule Lamido University IEEE ComSoc ICT-Hub (23-COMHTB-03)	Completed	USD \$11,835.75.	IEEE Communication Society and Humanitarian Technologies Board Grant, USA
2.	Engr. Prof Nasir Faruk	Membership Development Program	Completed	USD \$1,500	IEEE Communication Society, USA

				Journal of Science and Technology		
				Book Chapters Book on "Federated Learning for Digital Healthcare Systems"	Elsevier	

9. Students' Enrolment Reporting Template

a) Undergraduate Programmes

Programme	Students by Gender			Students by State of Origin		
	Male	Female	Total	Jigawa	Others	Total
BSc. Computer Science	654	55	708	660	48	708
B.Sc. Cyber Security	167	14	181	161	20	181
B.Sc. Information Technology	201	21	222	209	13	222
B.Sc. Software Engineering	145	05	150	139	11	150
Total	1167	95	1261	1169	92	1261

b) Graduation Summary

Programme (e.g.)	First Class	Second Class (Upper)	Second Class (Lower)	Third Class	Total
BSc. Computer Science	6	20	24	-	50
B.Sc. Cyber Security	N/A	N/A	N/A	N/A	N/A
B.Sc. Information Technology	N/A	N/A	N/A	N/A	N/A
B.Sc. Software Engineering	N/A	N/A	N/A	N/A	N/A
Total	6	20	24	-	50

Please note that B.Sc. Cyber Security, B.Sc. Information Technology and B.Sc. Software Engineering are new programmes, the students are currently in 200 level.

10. Achievements and challenges

Achievements

a) Commencement of Postgraduate Programmes

The department of computer science, has commenced PGD in Computer Science, M.Sc. Computer Science and PhD in Computer Science with various specialisations such as IT, Software Engineering among others.

b) AD Scientific and Scopus Rating

Some of the Faculty members were ranked by AD Scientific.

c) Teaching, research and administration

The faculty establishes the very first national open data repository for radio science (SLUK Terrestrial Radio Propagation Repository). The repository is the first of its kind in the whole of west Africa. The url of the repository is www.slurepo.com.ng. Eighteen (18) high impact research journals and conference proceedings were published from the faculty research group. Three major projects have been embarked aimed at addressing local challenges as highlighted as follows:

I. A grant was obtained through IEEE Communication Society and Humanitarian Technologies Board Grant, USA to facilitate the establishment of ICT-Hub for Internet Provision to Students and Host Communities in Sule Lamido University, Nigeria. The project deployed an ICT- Hub domiciled in the Faculty, where students could have unrestricted access to the internet services. Also, 100 students of the faculty were trained on Digital Marketing strategies so as to achieve business goals by interlinking with digital platforms that would change their entrepreneurial mindset which could positively impact on the net growth rate of our industries.

II. A grant was obtained through TETFund NRF to develop a Smart Green Virtual Clinic Model, Cloud-Based Health Information System and National Clinical Data Repository for Sustainable Healthcare Delivery in Nigeria (CHISCDR). The study proposes a robust, elastic, privacy-proof cloud-based Clinical Data Repository (CDR) that will enhance clinical research productivity nationwide, where modules for secured Federated Machine Learning Model (FMLM), using distributed training datasets which was hosted on <https://hiscdr.com>. The CDR is developed to collect information relating to individual patients from a variety of sources such as data evolving from different health centers across Nigeria. The CDR consolidates data from various clinical sources with varieties of data including demographics, radiology images, lab results, transfers, admissions, diagnoses and treatment. The project is currently at pilot stage in 3 health centers across Kafin Hausa, Jigawa State.

III. Automated system of fish farming has become inevitable due to the immense importance of fisheries aquaculture. The efficiency of any fish rearing system depends on monitoring and control of pond water quality parameters a reliable power source. The funded project presents a fish pond monitoring and control system that improves on the efficiency of fish rearing. A sensor network consisting of temperature, pH, turbidity and water level sensors was used to measure water quality parameters and then relay the readings to the pond manager through a Wireless Module, Firebase Server and an Android Application. Microcontrollers (Arduino Uno and Arduino mega) programmed using C++ language were used to effect the monitoring and control of the system. Each sensor was interfaced with the microcontrollers through analog to digital converters (ADC). A prototype fish pond was constructed to demonstrate the workability of this system and several tests were carried out on this prototype to verify the efficiency of the designed system.

d) Student Orientation Program, Software Exhibition and IEEE ComSoc Membership Development Program

e) **Outsourcing of external Grants**

f) **Industrial Linkages and Collaboration**

In 2024, the following linkages were achieved between the faculty and some multi-national corporations.

- i. Huawei Technologies, Nigeria
- ii. Cisco Cooperation
- iii. IEEE Communication Society, Nigeria
- iv. Ahmadu Bello University Zaria

g) **Challenges**

a) ***Insufficient Academic and Non-Teaching Staff***

As rightly documented, the faculty has only 20 academic staff cutting across 4 academic departments. These staff are grossly inadequate to cater for the teaching and research need of the faculty. Each department is expected to have at least 8 academic staff during the first year of commencement of academic session. Therefore, there is a need to aggressively recruit academic staff in various departments for the faculty. The faculty has already included this request in the 2024 personnel budget. However, the recruitment should focus on senior academics, worst case, mid-term academics with a Ph.D, who would go straight to the class room, teach and supervise projects.

b) ***Insufficient Budget for Consumables***

As you may be aware that Computing required both hardware and software.. Software are consumables which normally need to be renewed every year. Most of these software are very expensive. The budget allocation for the software component is insignificant and need urgent and upward review. Furthermore, there are other hardware consumables such as RJ45, Cat 7 cables e.t.c which are normally utilized during networking practical classes.

c) **Insufficient Power and Lack of Water Supply**

For 3 years now, the Faculty is not connected to electricity grid and the power supply from the generator is not consistent aside being supplied for an average of 2-3 hours daily. The lack of power supply makes it impossible to hold practical classes for years. Water supply to the faculty has been STOPPED for over 9 months. This lead most of the toilet facilities inside the faculty building to remain shut. The toilets outside the faculty are becoming out of service. The population of the faculty is increasing; hence, the issue of water supply should be aggressively dealt with.

11. **Obituary** (staff/student's name, staff/registration number, level, date, cause & picture), if any:

Portrait
Name of the late staff/student
Staff/Reg. Number
Level _
Cause

12. Any other issue worth recording, including pictures of events:

Some Pictures



Vice Chancellor Delivering Speech



Cross section of Participants



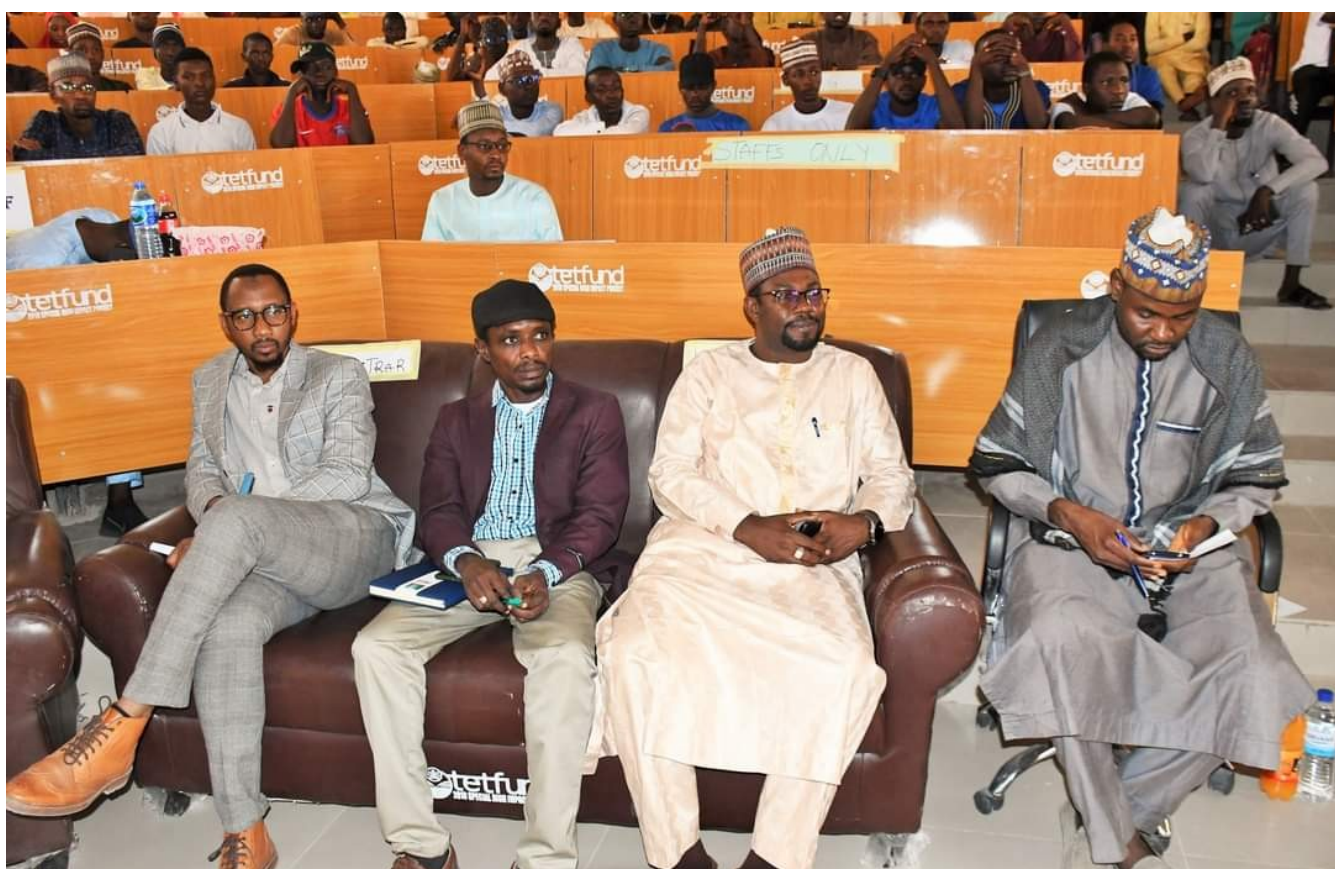
Registration Desk



Opening Remarks by the Dean, Prof. Nasir Faruk



Deputy Dean Presentation: Dr. Salisu Garba



Cross Section of Members of the high Table



Presentation of Certificate of excellence to Maryam Ahmed for Graduating with a First Class in Computer Science



Showcasing certificate of Accomplishment of Digital Marketing workshop sponsored by IEEE ComSoc



Presentation of Commendation letter to one of the best students in 300 Level











