

# Computers, Networks and ICT Development: The BUK Experience



By

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# Outline of Presentation

- Introduction
- History of ICT Development in BUK
- Recent Developments
- The Dream
- Accomplishments So Far
- The Journey Ahead
- Conclusion

# Introduction



- The Presenter ...
- Nigeria ...
- ICT in Nigeria ...
- Nigerian Universities ...
- Bayero University Kano ...

# A Little Bit of History ...

- Establishment of NUNet
- Support from ICTP to NUNet
- Support from ICTP to BUK
- Lost Dreams, Lost Hopes

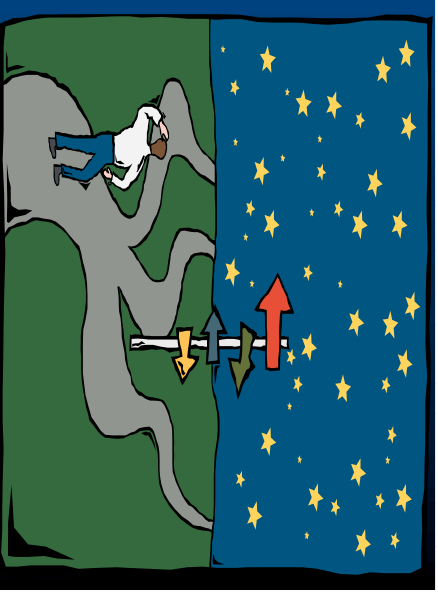


# Recent Developments



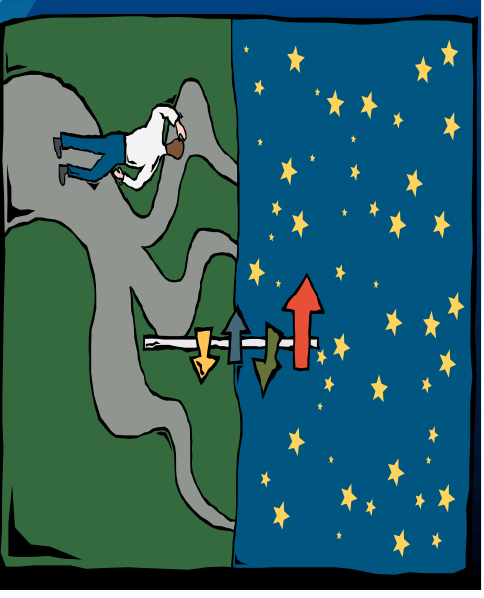
- Visit by MacArthur Foundation
- Small Grant for Computer Enhancement
- BUK's Strategic Plan
- Large Grant for ICT Development
- Other Developments

# The Dream...



*To become the leading university in the use  
and development of ICT, and in the  
training of ICT manpower in order to  
promote rapid socio-economic  
development.*

# The Dream ...



*To become a centre of excellence in teaching and research, to contribute to the manpower needs of the immediate society and the country at large, and to efficiently manage the university's resources, Bayero University must make full use of ICT.*



# Changes in Education

- e-institutions
- Teaching methods
- Research tools
- High demand for IT Professionals
- Changing Curricula
- Different environment
- New management techniques



# e-University

- Quality education can be obtained without students and staff being in the same physical location.



# New teaching Methods



- IT has brought about completely new teaching methods and new ways of interaction between lecturers and students.

# New Research Tools



- Computers and the Internet have revolutionized the way research is undertaken.

# New ways of disseminating knowledge



- Printed books and journals, for long the dominant vehicle for the dissemination of knowledge, are giving way to e-books and e-journals

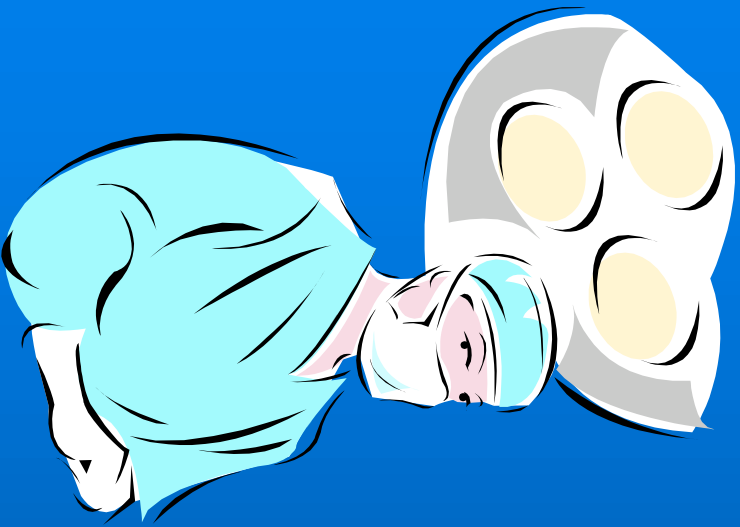
# New Needs



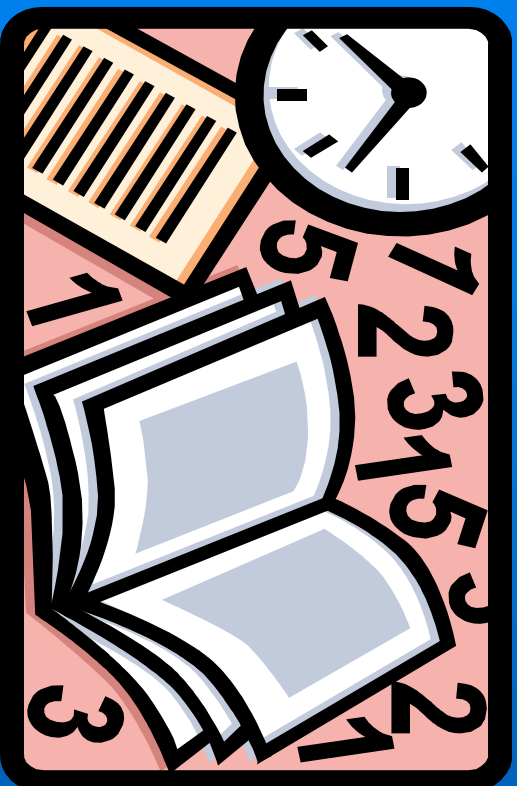
- The demand for IT professionals worldwide exceeds that for any other profession and it is increasing ...

# IT Content for every profession

- Every profession  
now requires  
extensive IT skills  
and knowledge



# Literacy Vs Computer Literacy



- Every educated person today must have enough knowledge and skills on IT to carry out everyday functions and activities

# New World

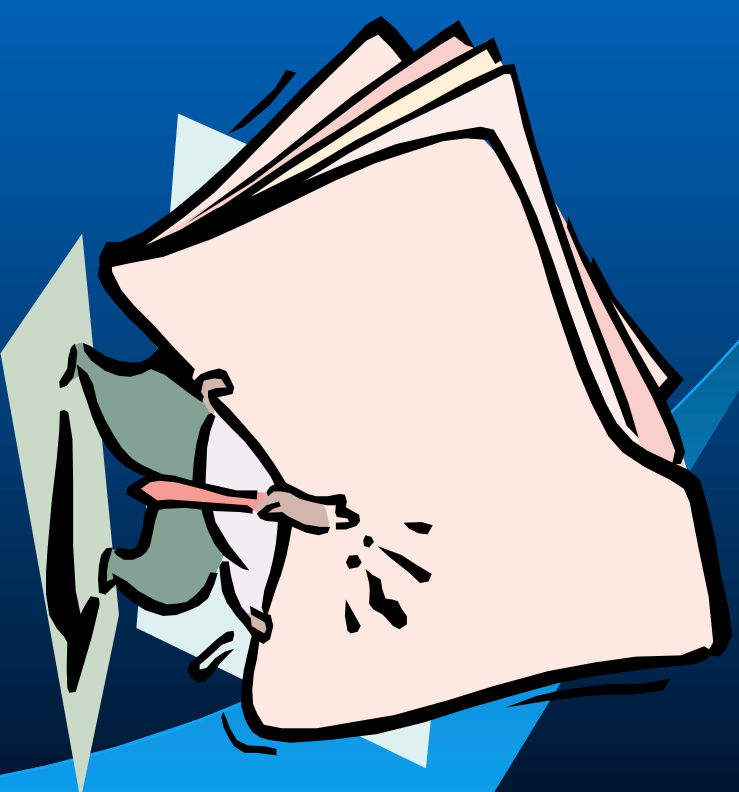
- e-commerce
- e-banking
- e-government
- Tele-medicine
- Tele-agriculture





# New Management Techniques

- Efficient university management requires state-of-the-art IT hardware and software.





# Elements of the Plan

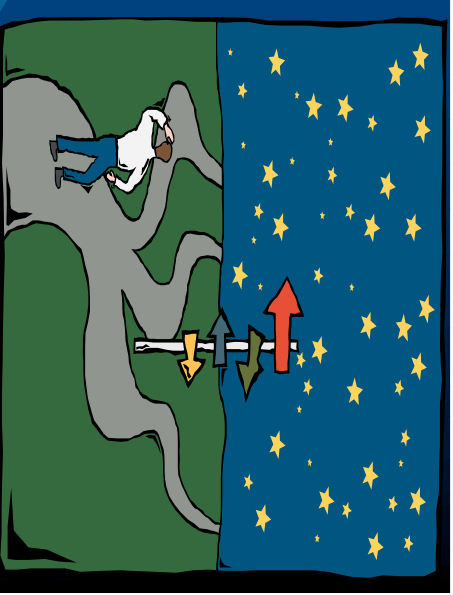
- A New Computer Centre Building
- Lots of Computers, Computer Equipment
- LANs, CANs, WANs
- Fast and Reliable Internet Connection
- New Computer Courses
- IT Curriculum in all Courses

# Accomplishments So Far



- New Computer Centre Building is being built
- Solid ICT Plan in Place
- Funding Partially Available
- New B.Sc. Programmes in Computer Engineering, Computer Science and Information Sciences.
- Full Internet Connectivity, BUK Website ...

# Conclusion



BUK is:

- determined to become a leader in ICT
- has a solid ICT plan in place
- has (partial) funding for the project
- has full support of the university administration and the university community