INTEGRATING INTO E-LEARNING STRUCTURED ENVIRONMENTS

(PPT 25TH, APRIL, 2016 @ LASU MULTIMEDIA CENTER)

A FACT FINDING REPORT SUMITTED TO THE UNIVERSITY MANAGEMENT, DECEMBER, 2015.

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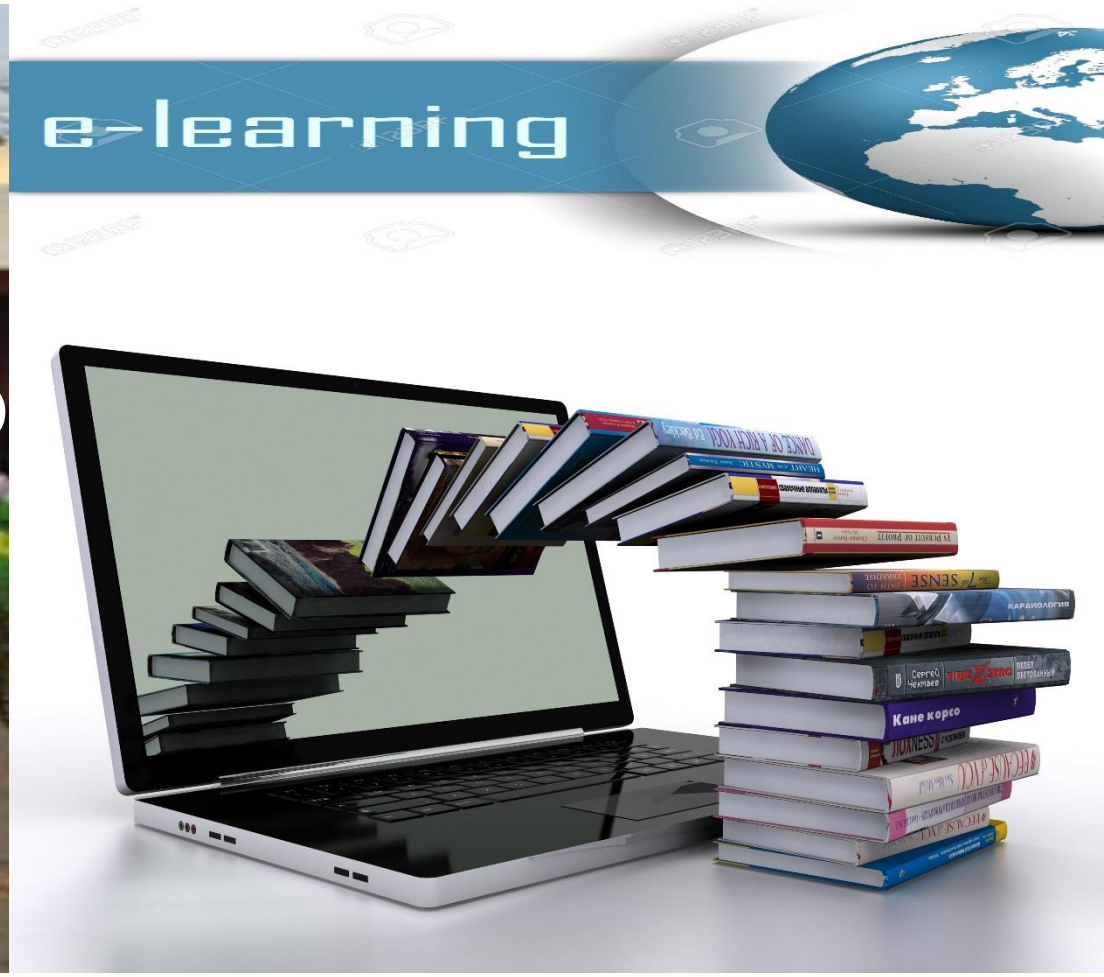




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ACKNOWLEDGEMENT





ABSTRACT

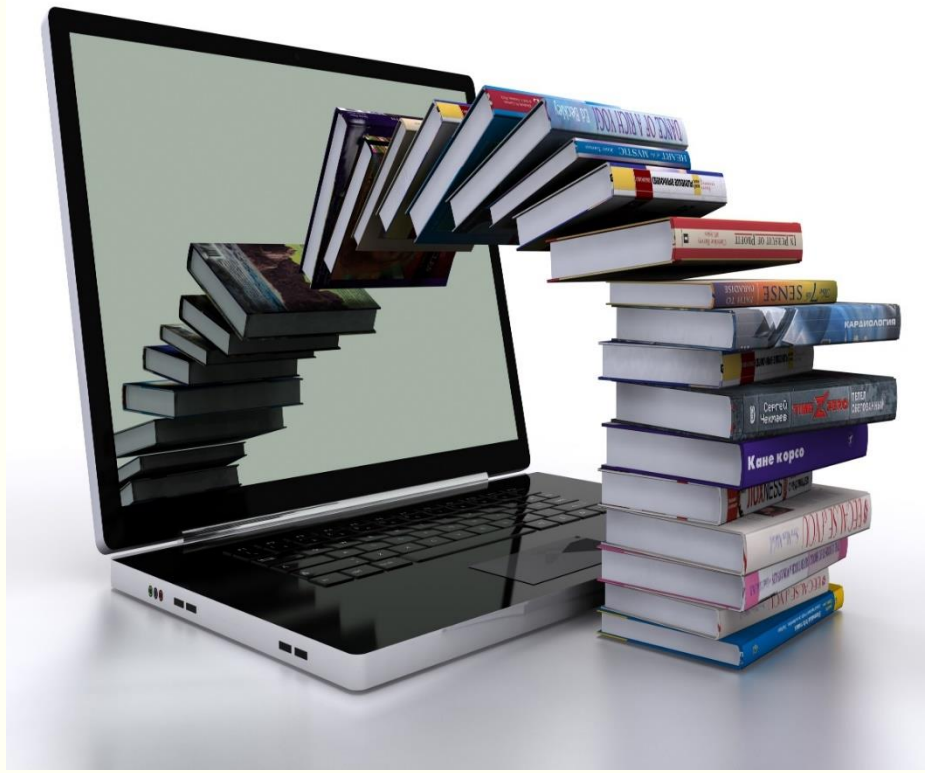


EDUCATION & FORMS OF EDUCATION HAVE EVOLVED OVER THE PAST TWENTY FIVE YEARS.

RECENTLY IS THE ELECTRONIC INTERACTIVE BOARDS WITH VIDEO GRAPHICS ADAPTERS CONNECTABLE TO A LAPTOP.

LAGOS STATE UNIVERSITY IS CURRENTLY FITTED WITH WHITE BOARD MARKERS IN FACULTIES AND DEPARTMENTS.

EDUCATION CAN BE LIKENED TO LIGHT IN DARKNESS.







CHAPTER 1

EDUCATION INVOLVES DEVELOPMENT OF BOOK LEARNING, INFORMATION, SKILLS, VALUES, BELIEFS AND ASSEMBLY OF INDIVIDUALS CONVEYED TO OTHER PEOPLE. EDUCATION IS SUPERVISED IN NIGERIA BY THE MINSTRY OF EDUCATION. THERE ARE ALSO THE STATE OWNED MINSTRIES OF EDUCATION. IN ADDITION, IS UNIVERSAL BASIC EDUCATION (6, 3) DETERMINED BY CONTINUOUS ASSESSMENT.





UNIVERSITY EDUCATION IN NIGERIA, VAST MAJORITY (129) IS GOVERNMENT OWNED. RECENTLY, NIGERIAN GOVERNMENT ISSUED LICENCES FOR 9 MORE PRIVATE UNIVERSITIES (MAY 2015).

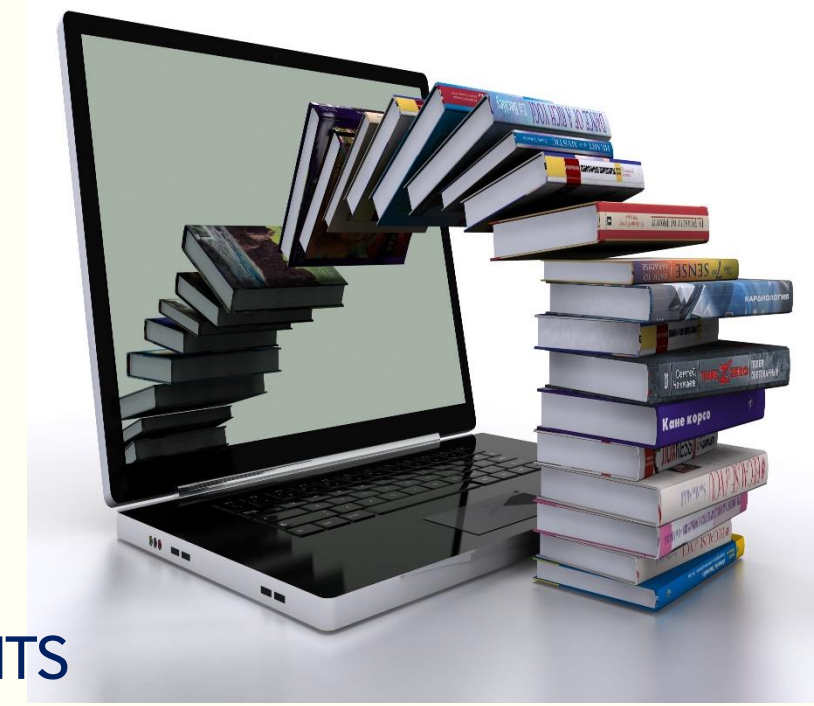
1ST GENERATION UNIVERSITIES (1948-1965) , BY BRITISH ASBY COMMISSION.

2ND GENERATION UNIVERSITIES (1970-1985) FOR SCIENCE & TECHNOLOGY.

3RD GENERATION UNIVERSITIES: (1985-1999).

STATE UNIVERSITIES: IMPERATIVE QUEST BY INDIGENOUS STUDENTS UNADMITTED TO FEDERAL UNIVERSITIES NATIONWIDE.







LAGOS STATE UNIVERSITY (informally LASU), ESTABLISHED IN 1983 BY THE ENABLING LAW OF LAGOS STATE. THE UNIVERSITY CATERS FOR AN APPRECIABLE NUMBER OF LAGOS INDIGENES, NIGERIAN STUDENTS AND INTERNATIONAL RESPONDENTS AS WELL . ITS CAMPUSES INCLUDE THE MAIN OJO, EPE, IKEJA, AND SURULERE .





SOME NOTABLE ALUMNI: Ramola Adeola (Youngest Phd), Chioma Chukwuka (Actress), Tara Fela-Durotoye (Celebrity make-up artist), Desmond Elliot (Actor & Politician), RuggedMan (Rapper), Dolly Unachukwu (Actress), Farida Mzamber Waziri (Former Efcc Chairman). Tajudeen Obasa (current Senator), Oluwatobi Owoeye(Computer Systems specialist).



DEFINITIONS: 1. FORMAL EDUCATION: CLASSROOM BASED, PROVIDED BY TRAINED TEACHERS. (INFORMAL EDUCATION): OUTSIDE CLASSROOM.

2. EDUCATION PLANNING: DEVELOPMENT OF PRODUCTIVE & RESULT ORIENTED,LEARNING.

3. TECHNOLOGY: GREEK WORD TECHIE (SKILL, CUNNING), LOGIA.

4. EDUCATIONAL TECHNOLOGY: TOOLS FOR E-LEARNING.

5. SELF DIRECTED LEARNING: SELF ABSORBING, PACED LEARNING.

6. DIGITAL DIVIDE: LINNING BETWEEN ACCESSIBILITY & NON ACCESSIBILITY OF E-LEARNING TOOLS.

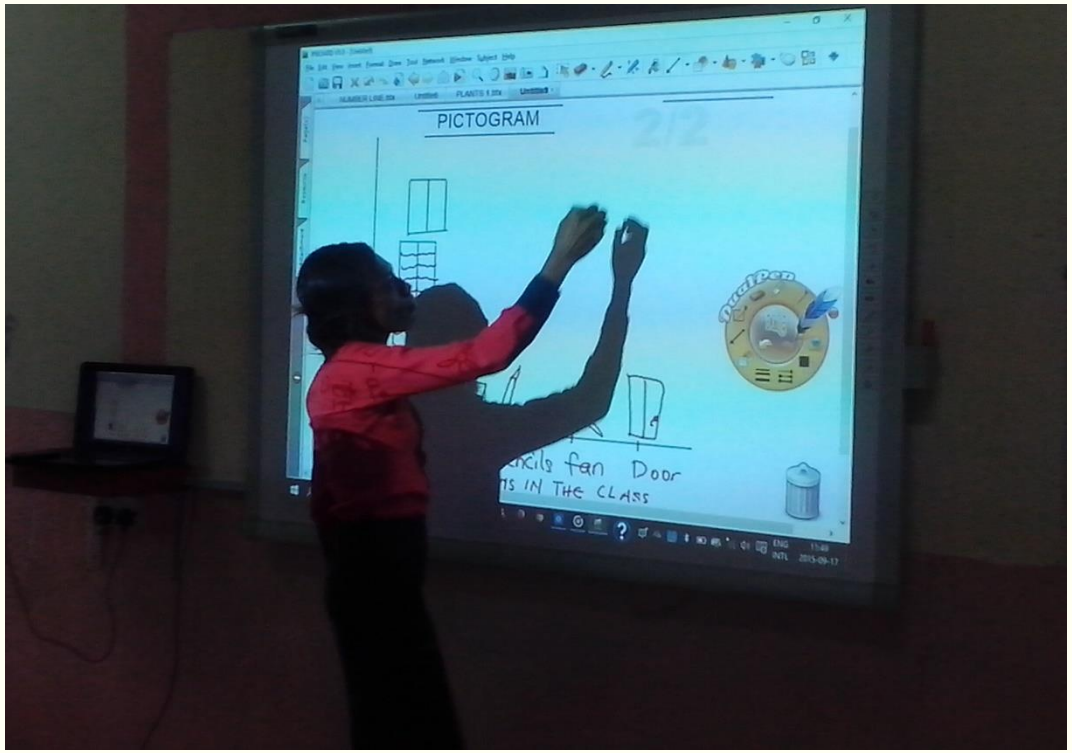
7. SYNCHRONOUS LEARNING: BALANCED, TIMELY LEARNING.

8. ASYNCRONOUS: ANALOGOUS TO INTERRUPTIBLE PROCESS.





9. DUAL PEN INTERACTIVE WHITEBOARD: AN ELECTRONIC HARDWARE, WITH PROPRIETARY COMPUTING SOFTWARE FOR PERFORMING ALL THE ACTIVITIES OF AN ANALOGUE BLACK/WHITE MARKER BOARD:











10. DUAL PEN: Electronic Battery powered pen (blue and yellow Colours) for writing on Electronic Interactive Dual Pen Boards.

This replaces the conventional white board markers.





11. INTERNET: GLOBAL SYSTEM OF INTERCONNECTED COMPUTER NETWORKS. THIS CARRIES AN EXTENSIVE RANGE OF INFORMATION RESOURCES AND SERVICES.



STATEMENT OF THE PROBLEM:



LAGOS STATE UNIVERSITY IS STILL FAR BEHIND THE E – LEARNING DAWN. MOST LABS & CLASSES AS AT THE TIME OF THIS WRITING ARE UNDER EQUIPPED TO DELIVER E LEARNING CLASSES. INTERNET ASSESSIBILITY, THE MAJOR TOOL FOR AN E LEARNING ENVIRONMENT, IS CURRENTLY POOR, INEPT AND NEEDS SERIOUS ATTENTION BY THE UNIVERSITY MANAGEMENT.



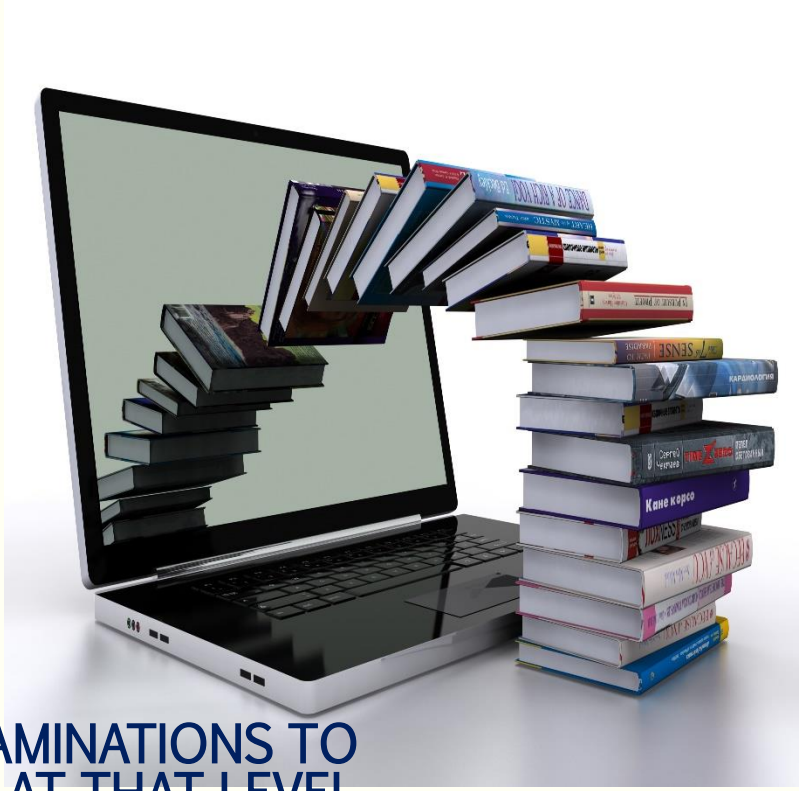


AIMS & OBJECTIVES:



IN THE LIGHT OF THE ABOVE PROBLEMS, THIS PAPER WILL ATTEMPT TO:

1. SERVE AS A DRAFT, GUIDIANCE & COUNSEL ON WAYS TO SUCCESSFULLY IMPLEMENT A ROBUST FULLY FUNCTIONAL AND RESULT ORIENTED E LEARNING ARM OF THE UNIVERSITY.
2. PROFER STEPS TO SUCCESSFULLY KEYING INTO AN E LEARNING CURVE TO FOUNDATION, UNDERGRADUATE AND POST GRADUATE STUDIES.
3. SUGGEST POSSIBLE WAYS TO AFFILIATE LASU FOUNDATION PROGRAMS WITH CAMBRIDGE INTERNATIONAL GENERAL CERTIFICATE EXAMINATIONS TO BETTER THE QUALITY ASSURANCE OF THE PROGRAMME AND ENTRANTS AT THAT LEVEL.





AIMS & OBJECTIVES (CONTD):



4. PROVIDE SPECIFIC FINANCIAL REWARDS ACCRUABLE TO THE UNIVERSITY WHICH CAN MAKE THE SCHOOL MORE INDEPENDENT AND INCOME DRIVEN THROUGH E-LEARNING CLASSROOMS.
5. POSITION & ENGAGE LASU ICT CENTER FOR GREATER PRODUCTIVITY.
6. SUGGEST POWERFUL, VIBRANT, COST EFFECTIVE WI-FI BROADBAND INTERNET ACCESS TO EACH FACULTY/DEPARTMENTS. WITHIN THE UNIVERSITY.
7. SUGGEST COST SAVING, HIGH RETURNS ON INVESTMENT (ROI) METHODS WITHIN THE HORIZON OF INTEGRATING E-LASU.





SCOPE OF STUDY:



THIS REPORT REFERS TO FACULTIES AND DEPARTMENTS WITHIN LAGOS STATE UNIVERSITY, ITS FOUNDATION, FULL TIME AND PART TIME, AND POST GRADUATE PROGRAMMES.



LIMITATIONS OF STUDY: THE STUDY IS ALSO LIMITED TO THE FACULTIES AND DEPARTMENTS WITHIN THE UNIVERSITY, BENEFITS TO ITS FOUNDATION, FULL TIME AND PART TIME UNDERGRADUATE, POST GRADUATE PROGRAMMES AND THE ROLE OF ICTC TOWARDS A SUCCESSFUL E LEARNING ENVIRONMENT.



CHAPTER 2

LITERATURE REVIEW



EDUCATION STARTED AS STORY TELLING. INTERACTION OF CULTURES OF SKILLS OVER THE CENTURIES GAVE BIRTH TO FORMAL EDUCATION.

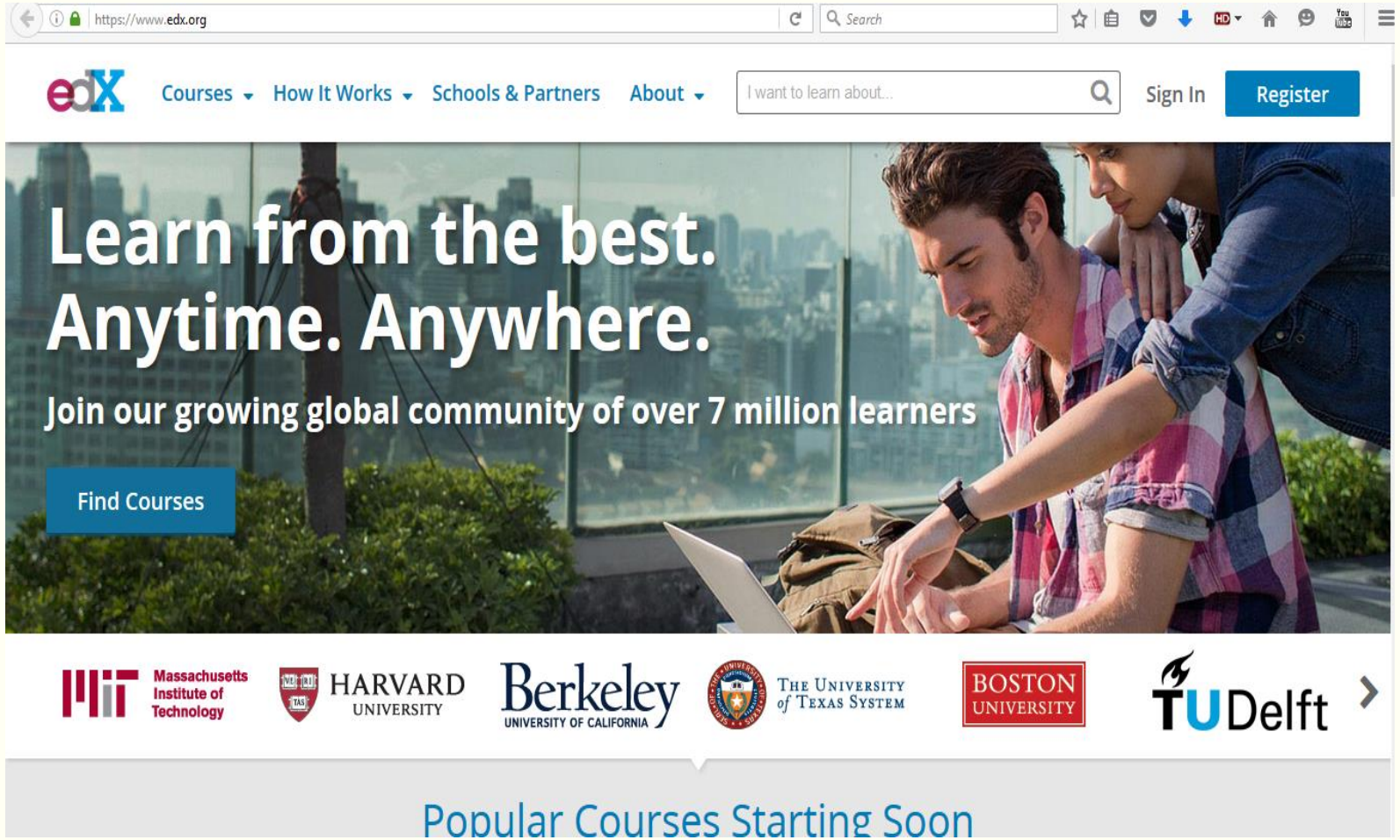
SCHOOLS EXISTED IN EGYPT IN THE TIME OF THE MIDDLE KINGDOM.

AS AT 2012 A.D., E –LEARNING HAD STARTED MULTIPLYING. THIS IS ALSO CALLED OPEN LEARNING. EXAMPLES ARE HARVARD, MIT AND BERKLEY'S EDX. STANFORD, PRINCETON, DUKE, JOHN HOPKINS EDINGBURGH, UNIVERSITY OF PENNSYLVANIA, MICHIGAN. VIRGINIA WASHINGTON & CALTECH ALL CHANGED LEARNING WAYS.

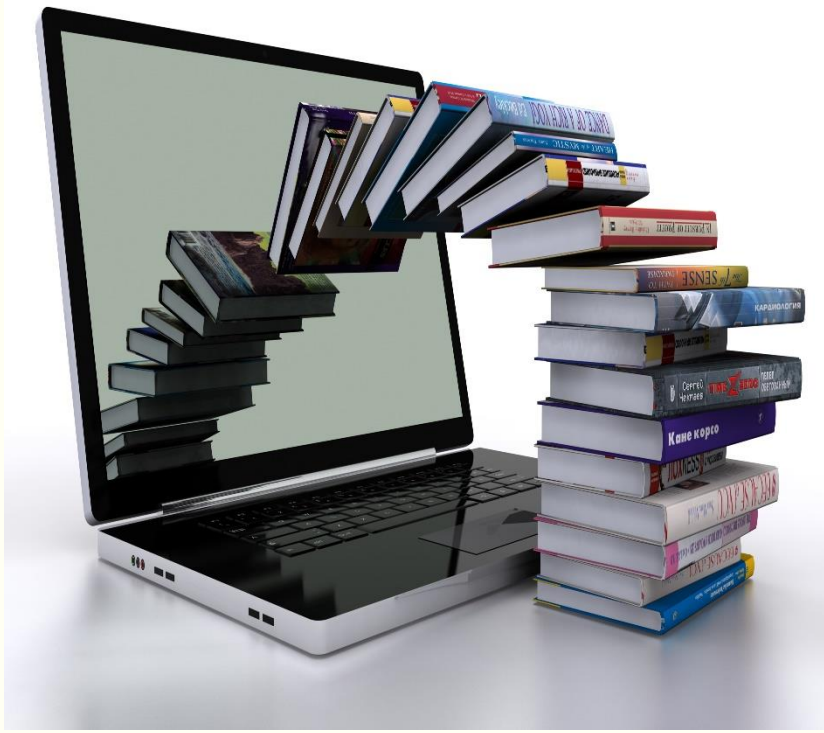



LAGOS STATE UNIVERSITY

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The University of Texas System
BOSTON UNIVERSITY
TU Delft
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e-learning



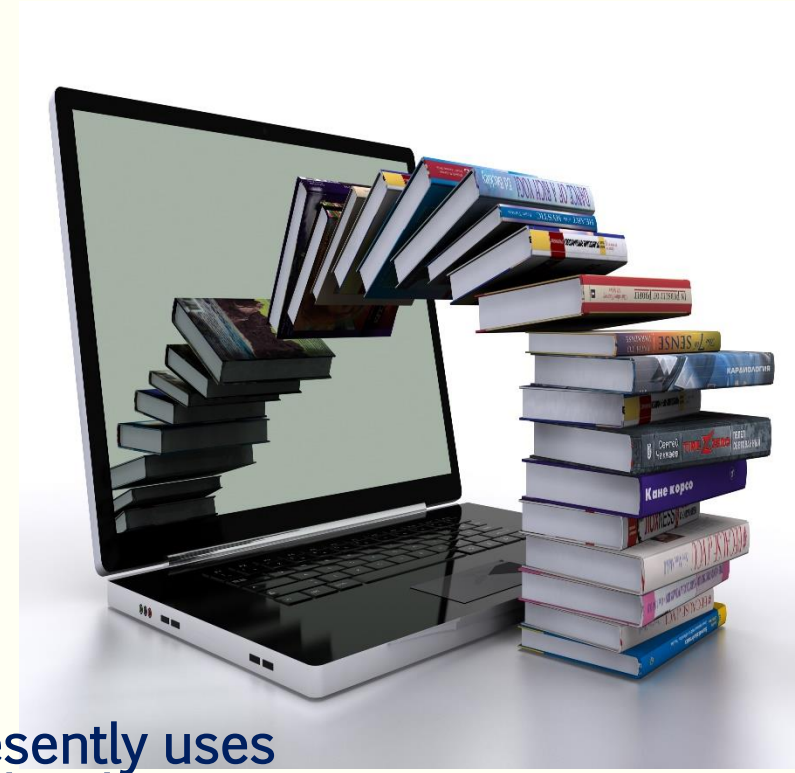




OPEN EDUCATION AS OPPOSED TO CONVENTIONAL OR TRADITIONAL SCHOOLING IS ON THE RISE. IN ADDITION, THEY ARE BASED ON A WELL STRUCTURED E LEARNING ENVIRONMENTS.

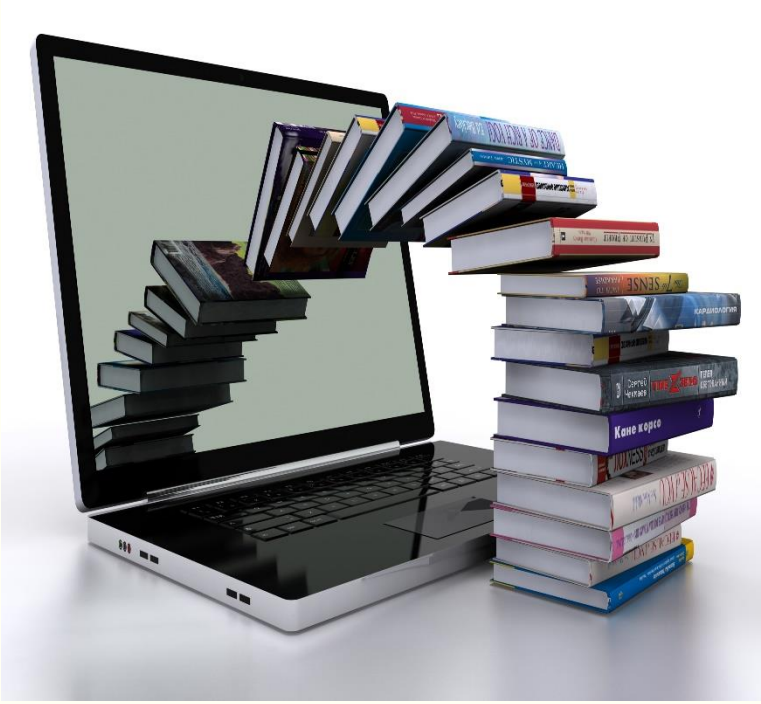
E LEARNING ENVIRONMENTS ALSO INCLUDES MANY TYPES OF MEDIA THAT DELIVER TEXT, AUDIO, IMAGES.

E LEARNING IN DEVELOPING COUNTRIES: HAITI HAS ONE LAPTOP PER CHILD PROGRAM BY CHARITIES AS AT 2008. NEW PATERNERSHIP FOR AFRICA'S DEVELOPMENT (NEPAD) has an e-school program to give 600,000 PRIMARY AND HIGH SCHOOLS WITH COMPUTER EQUIPMENT. NABUUR, Bill Clinton led initiative presently uses the Internet to allow co-operation by individuals on issues of social development.









INDIA: IS CURRENTLY ON DEVELOPING NEW TECHNOLOGIES

THAT WILL SPAN BEYOND LAND BASED TELEPHONY. THIS WILL

ENABLE DISTANCE LEARNING FOR ITS TEEMING POPULATION @ A REDUCED COST.

RICHEY DEFINES EDUCATIONAL TECHNOLOGY AS *" THE STUDY AND ETHICAL PRACTICE OF FACILITATING LEARNING AND IMPROVING PERFORMANCE BY CREATING, USING AND MANAGING APPROPRIATE TECHNOLOGICAL PROCESSES AND RESOURCES".*

ASSOCIATION FOR EDUCATIONAL COMMUNICATION AND

TECHNOLOGY (AECT) REFERS E LEARNING AS *" THE THEORY AND PRACTICE OF DESIGN, DEVELOPMENT, UTILIZATION, MANAGEMENT AND EVALUATION OF PROCESSES/RESOURCES FOR LEARNING".*



INTELLIGENCE, HUGE FACTOR ON INDIVIDUALISTIC RESPONSE TO EDUCATION. GENETIC ADVANTAGE OF CHILDREN OF THIS CONTRIBUTES TO EXCELLENCE IN FURTHER EDUCATION. IN A BALANCED THOUGHT, EDUCATION CAN ALSO INCREASE APPRECIABLE INTELLIGENCE. WHETHER BY INHEIRTED GENETICS OR BY ENVIRONMENTAL FACTORS, EDUCATION COMES IN VERY USEFUL AND LIFE REWARDING IN THE LIVLIHOOD OF EVERY HUMAN BEING.





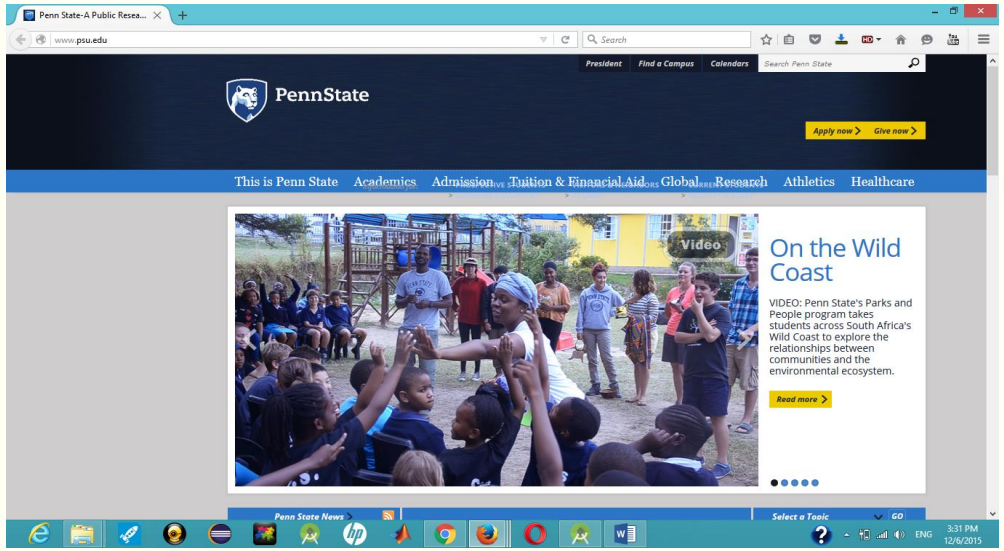


REVIEW OF SUCCESSFUL & AWARD WINNING WORLD RENOWN E-LEARNING UNIVERSITIES.



1. Pennsylvania State University Park, PA, USA

PSU was 48th in *U.S. News & World Report*'s 2015 ranking of top universities in the nation.



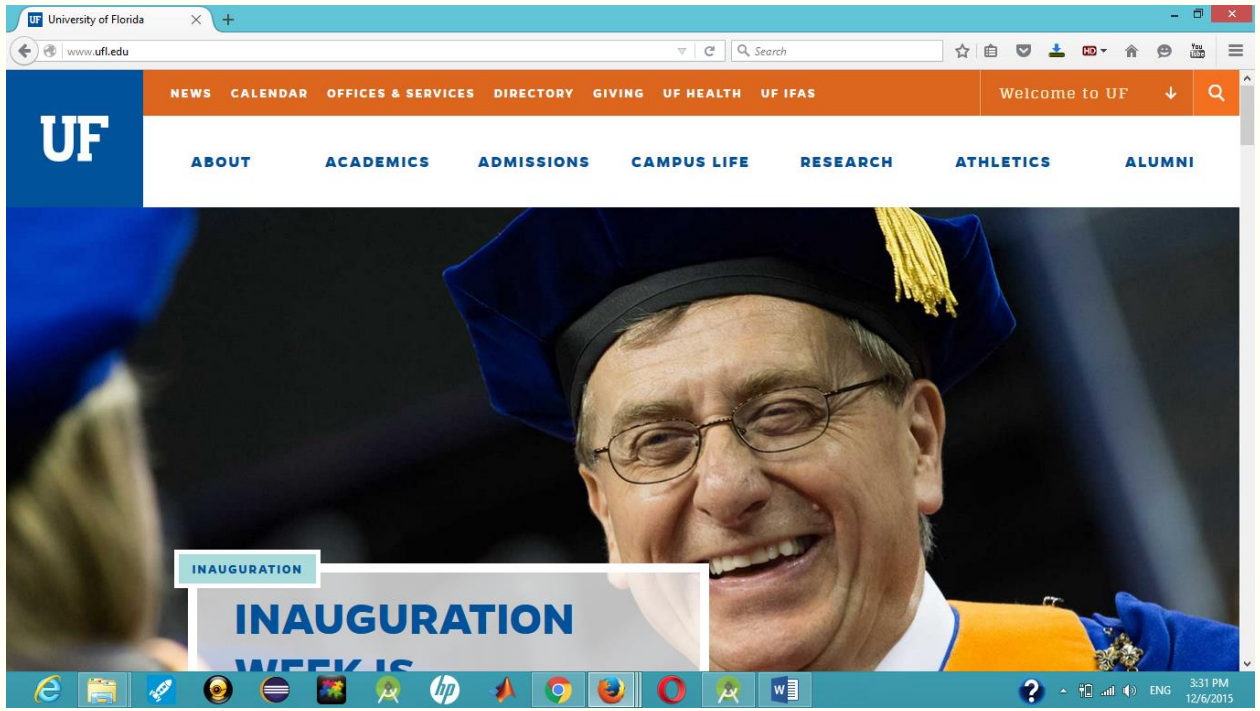




2. University of Florida, USA

named as having nation's fourth best online MBA programs by *U.S. News & World Report* in 2015





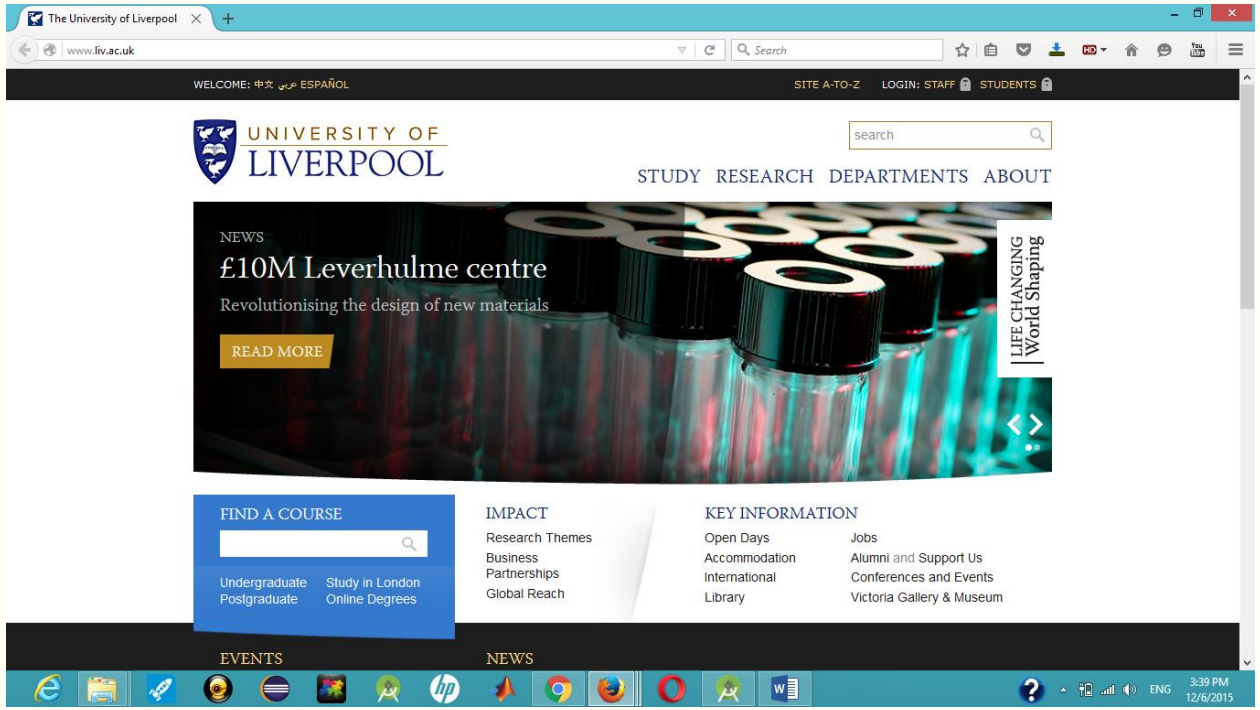




3. University of Liverpool, United Kingdom

More than 10,500 people living in over 160 countries are currently studying online programs with Liverpool, and over 7,000 have already graduated.



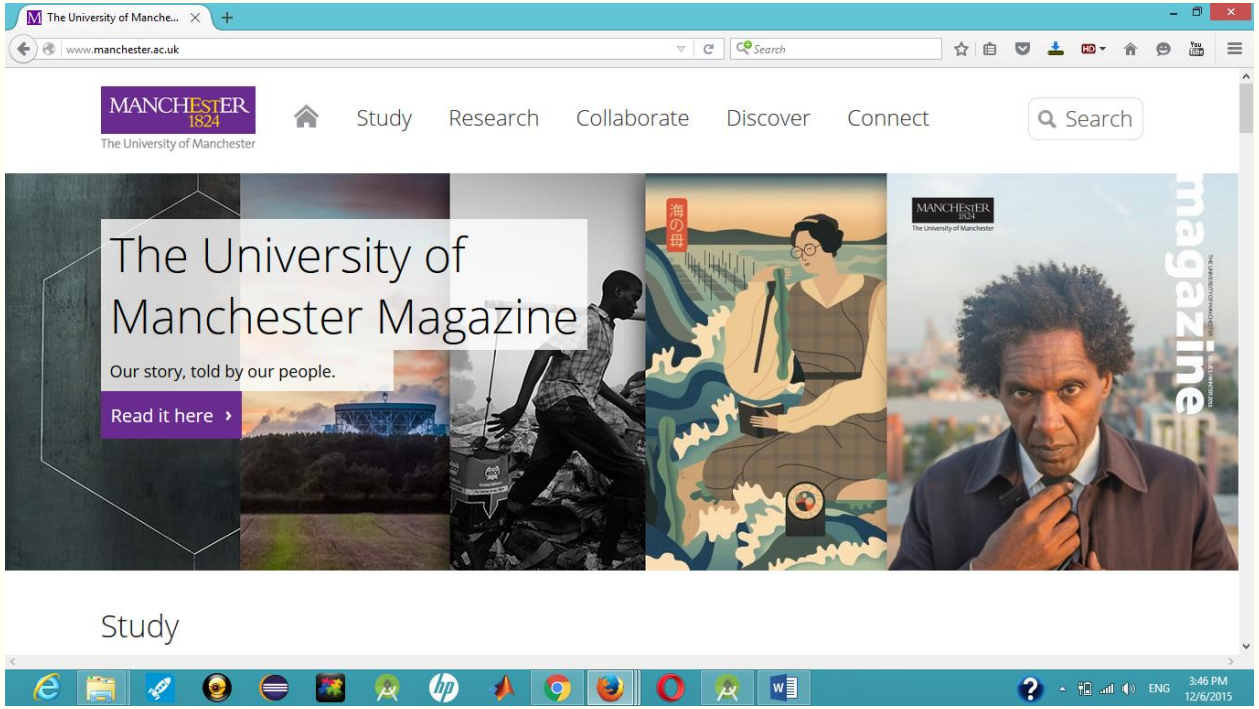






4. University of Manchester, United Kingdom

one of the top 35 business schools in the world and are ranked 5th in the UK (FT Global MBA rankings 2015).





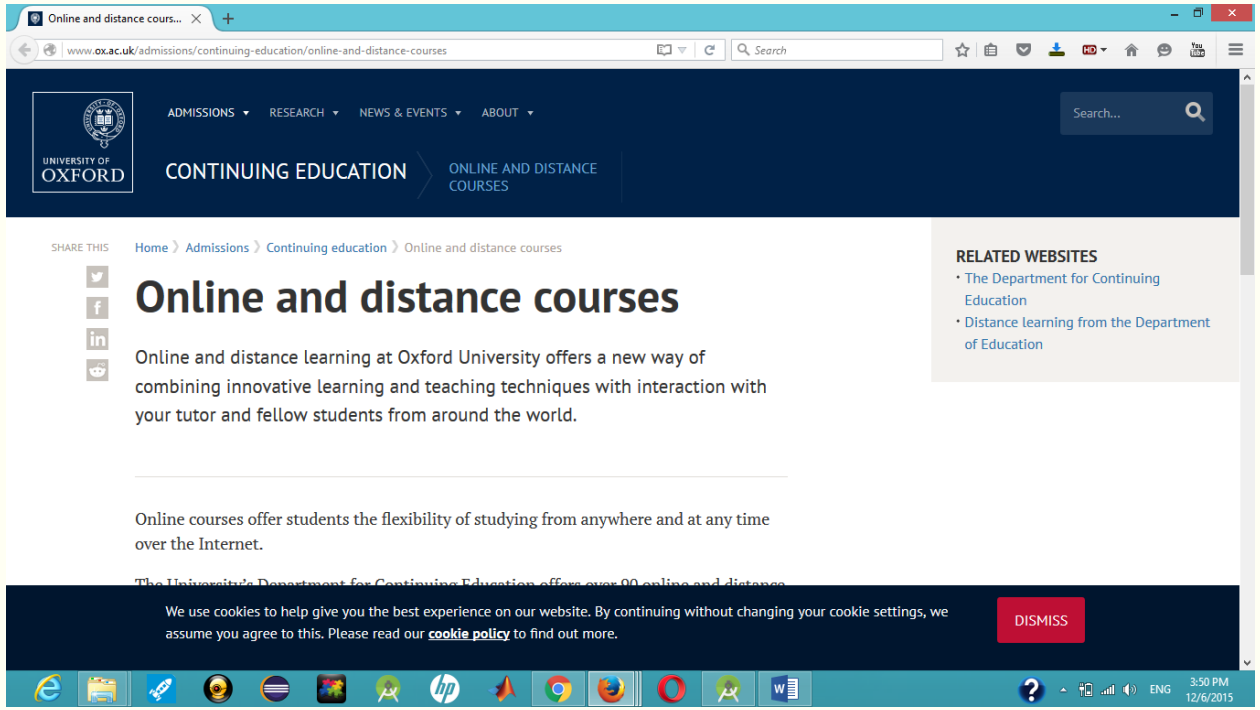


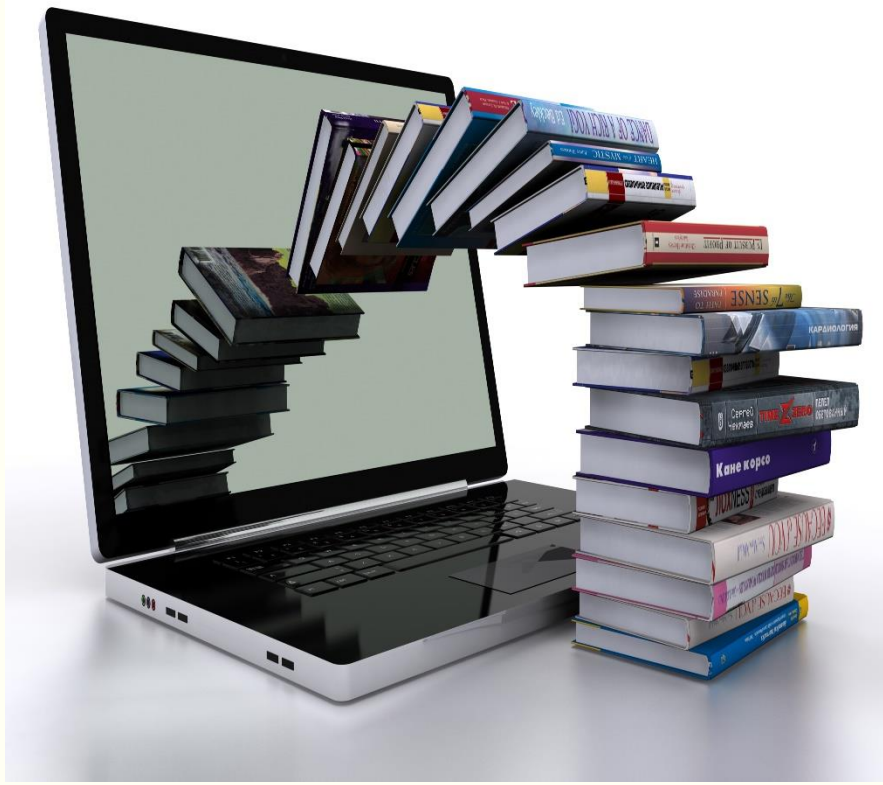


5. Oxford University, United Kingdom



The University's Department for Continuing Education offers over 90 online and distance learning courses across a wide range of subjects; some courses lead to University qualifications.

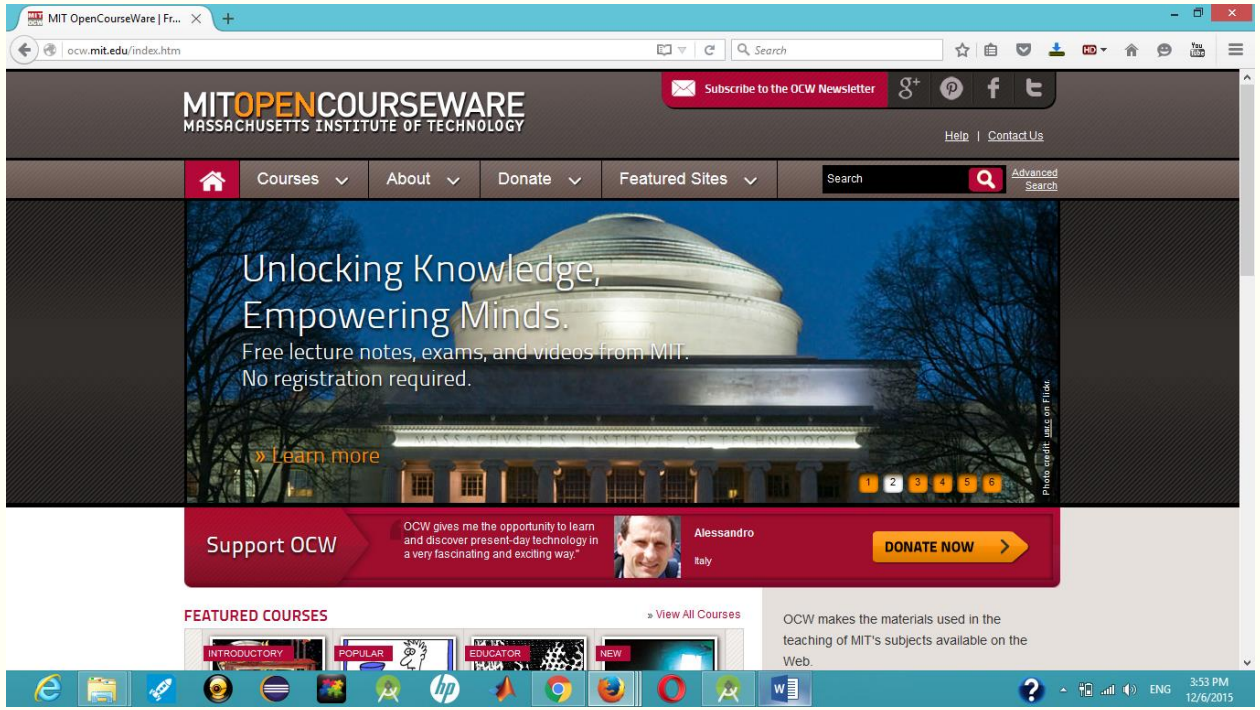






6. MASSACHUSETTES Institute of Technology

MIT Open-Course-Ware (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.





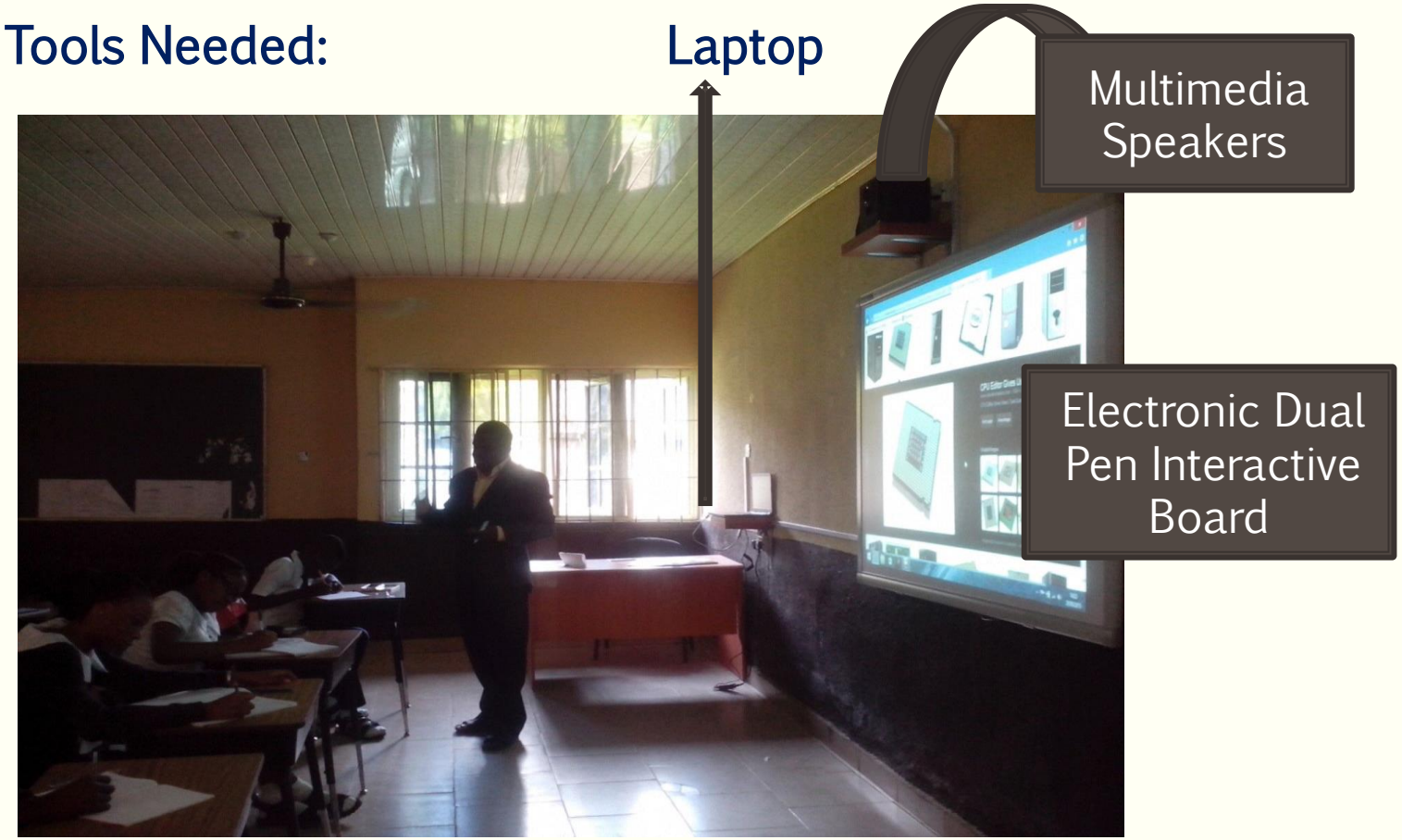


SETTING UP AN E LEARNING ENVIRONMENT



Setting up an E learning Environment is quite simple:

Tools Needed:







SETTING UP AN E LEARNING ENVIRONMENT (2)

Setting up an E learning Environment is quite simple:

Tools Needed:



Projector





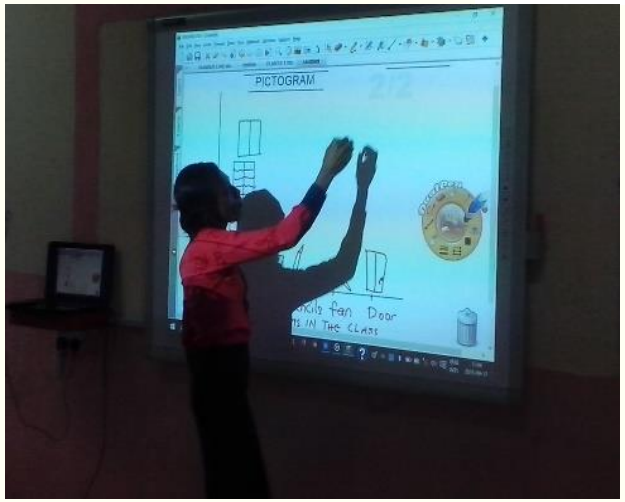
SETTING UP AN E LEARNING ENVIRONMENT (3)

Setting up an E learning Environment is quite simple:

Tools Needed:



Dual Pen



Dual Pen Interactive Board



Internet Ready Laptop



Projector

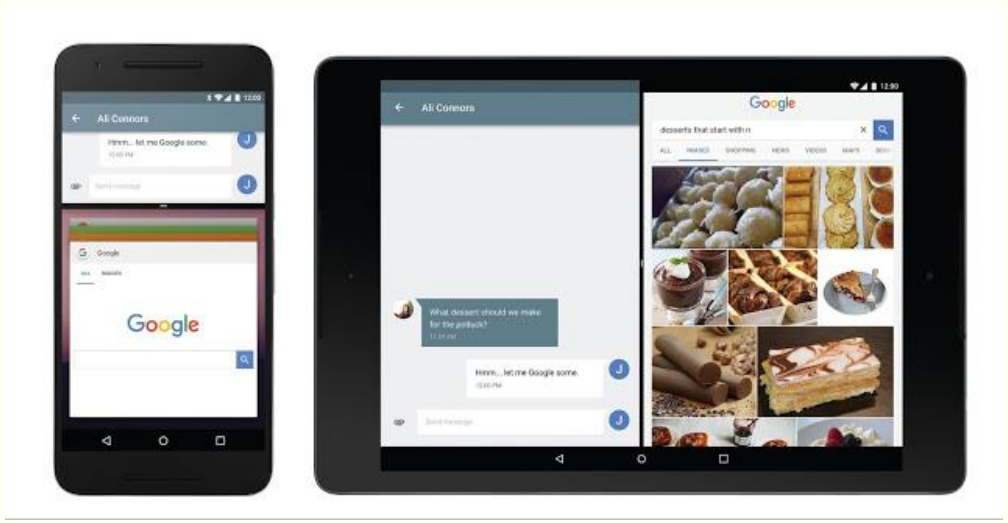




INTERNET: ESSENTIALLY FOR AN ACADEMIC ENVIRONMENT, IS A NECCESITY AND NOT LUXURY. ITS IMPORTANCE AND NEED FOR RESEARCH, TEACHING AND COMMUNICATION CANNOT BE OVER EMPHASIZED. BESIDES GONE ARE THE DAYS OF CLINGING ON TO EXPENSIVE RADIO MASTS AND VSATS THAT CART AWAY MILLIONS OF HARD CURRENCIES.





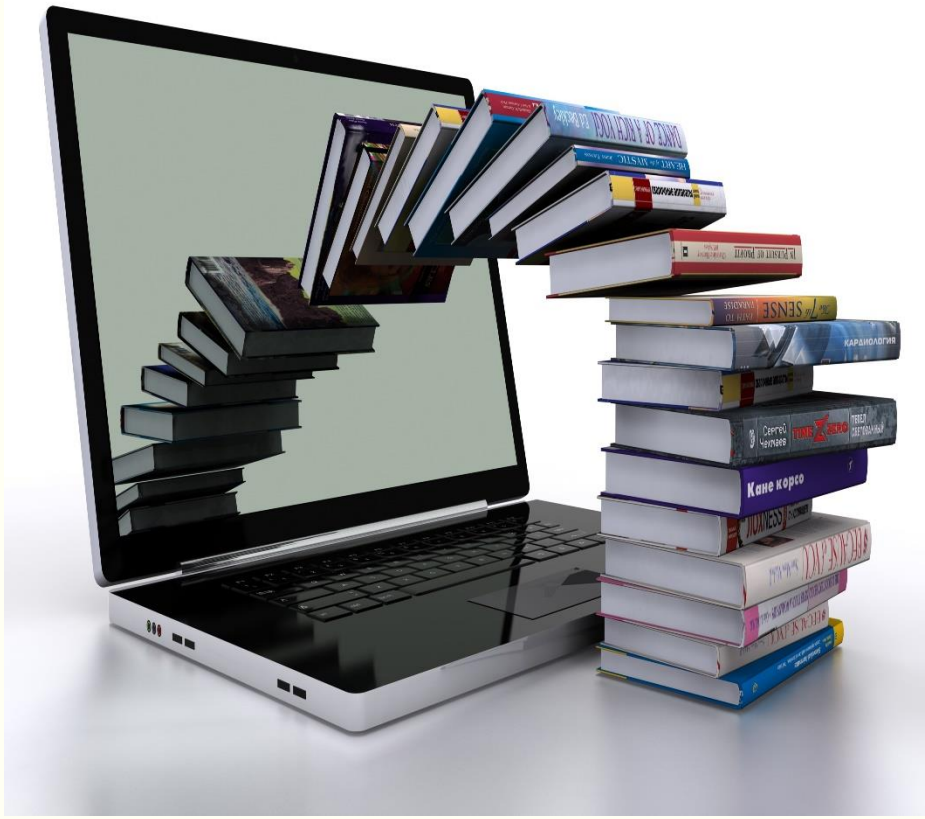




DEVICES SUCH AS ANDROID BASED MOBILE SETS, TABLETS OF ALL SHAPES & SIZES CAN PROVIDE QUALITY WI-FI HOTSPOTS FOR HIGH SPEED BROADBAND INTERNET FOR INDIVIDUAL & AND LARGER ORGANIZATIONS AS WELL.









GROSS INEFFICIENCY & CORRUPTION BY NIGERIAN TELECOMMUNICATIONS (NITEL) LED TO THE ADVENT OF GLOBAL SYSTEM FOR MOBILE COMMUNICATION (GSM) & DEREGULATION OF TELECOMS INDUSTRY IN 2001 BY FEDERAL GOVERNMENT OF NIGERIA (OVER 15 YEARS NOW), WHICH BROUGHT ABOUT THE ADVENT OF GSM REVOLUTION UNDER PRESIDENT OLUSEGUN OBASANJO. SUBSCRIBERS GREW FROM UNDER A MILLION TO OVER A 100 MILLION SUBSCRIBERS.

AT THE START, VOICE TRANSMISSION WAS THE FOCUS BUT TODAY, VOICE, DATA, & VIDEO HAS BEEN IMPROVED ON.

ECONET (VODAFONE, ZAIN NOW AIRTEL) CAME ON THE 8TH OF June, 2001 under 900 & 1800 MHZ.







AT THE START, A CALL WAS N50 FIFTY NAIRA PER MINUTE AND OVER FIFTY THOUSAND NAIRA FOR A SIM CARD.



IT WAS GLOBACOMM THAT INTRODUCED PER SECOND BILLING.

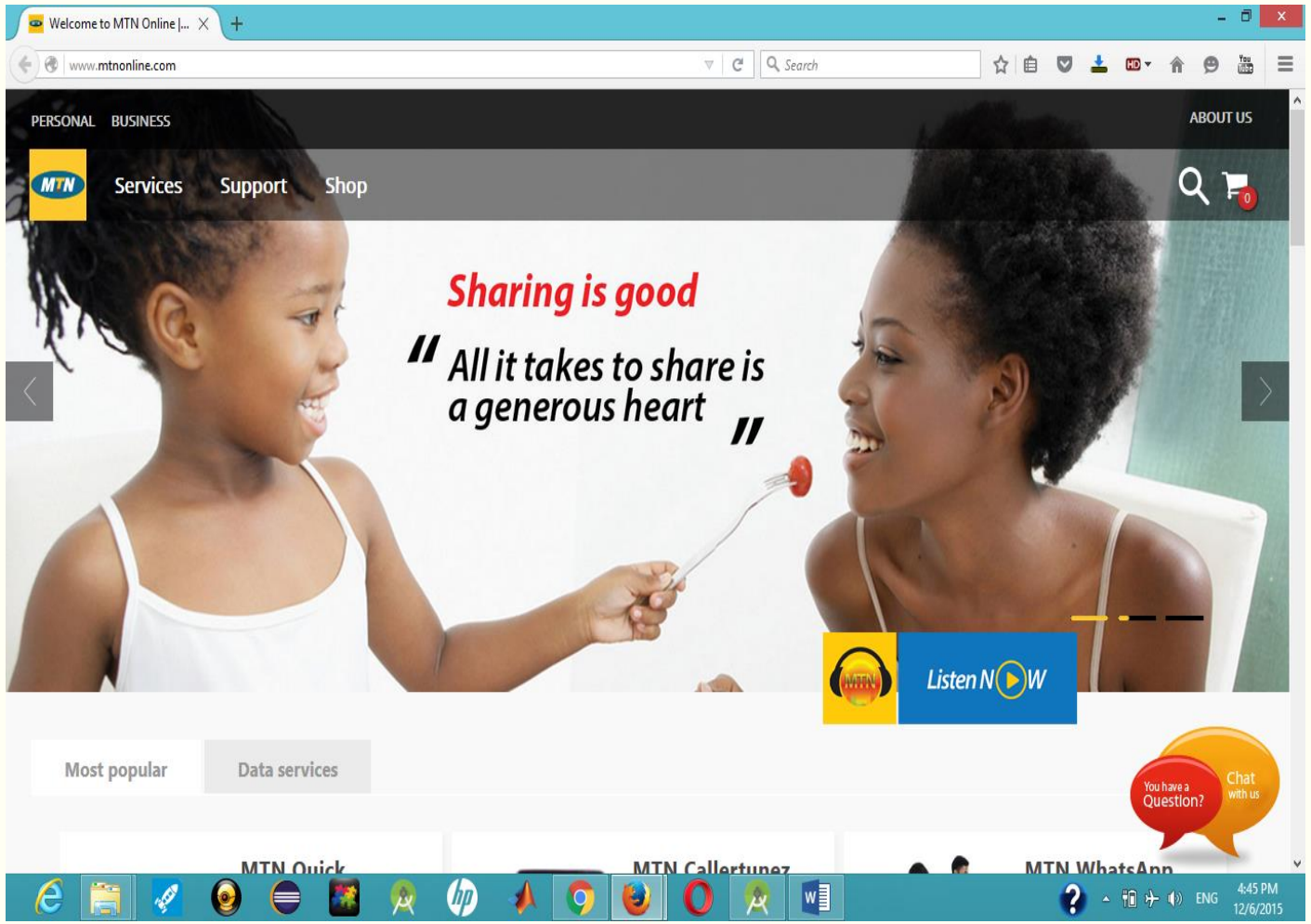
AIRTEL, GLO, MTN & ETISALAT TELECOMS ALL HAVE THEIR VARIATIONS AND PERCULIARITIES. RECENTLY, MTN ACQUIRED ZENITH OWNED VISAFONE. AN INDICATION OF LEAVING *"SPECIALTY TO THE SPECIALISTS"*.



THE NIGERIAN TELECOM INDUSTRY EVER SINCE IS STILL THE FASTEST GROWING IN THE WORLD SERVING AS A LARGE PROVIDER OF JOB OPPORTUNITIES .



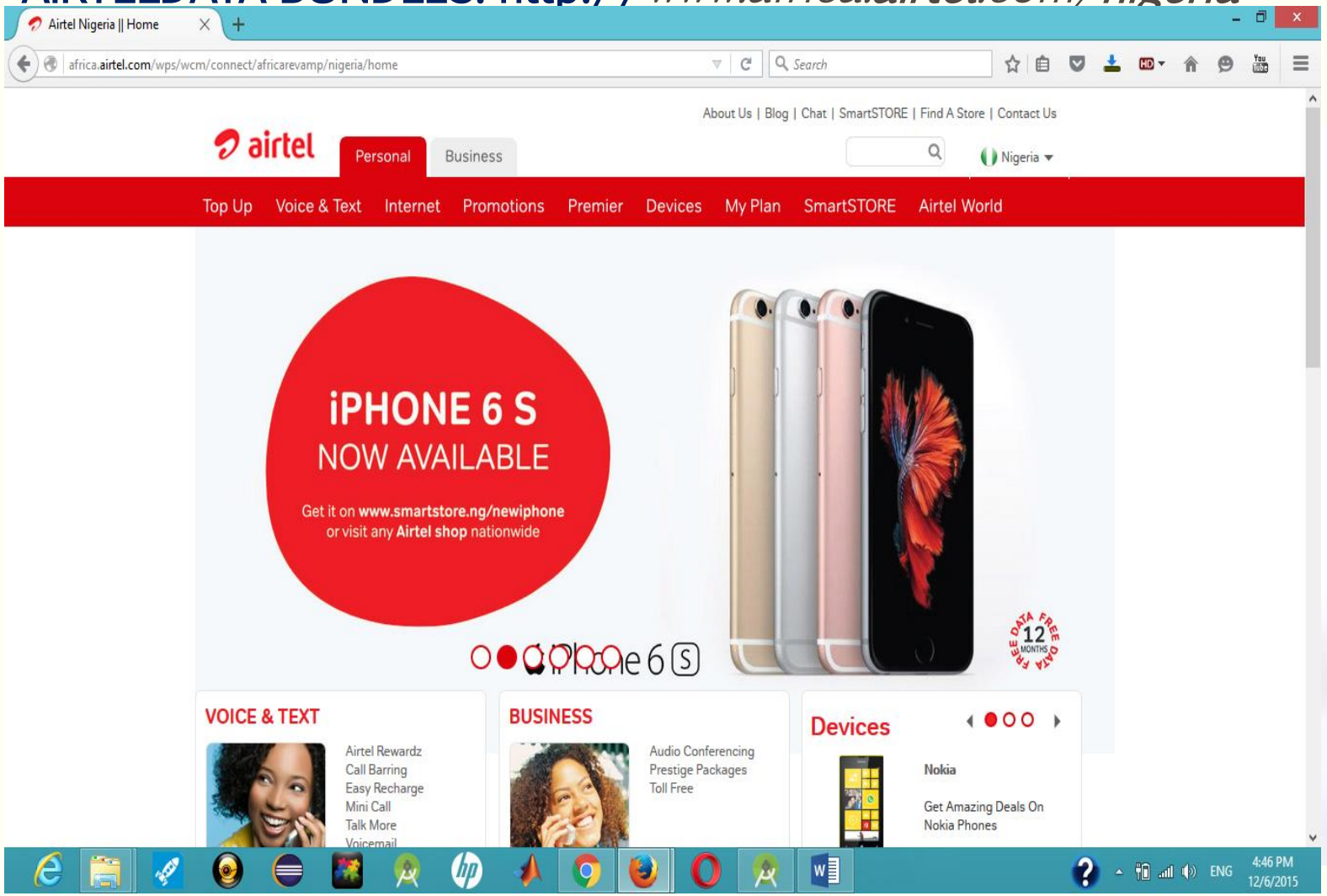
MTN INTERNET DATA BUNDLES: http://mtnonline.com







AIRTELDATA BUNDLES: http://www.africa.airtel.com/nigeria

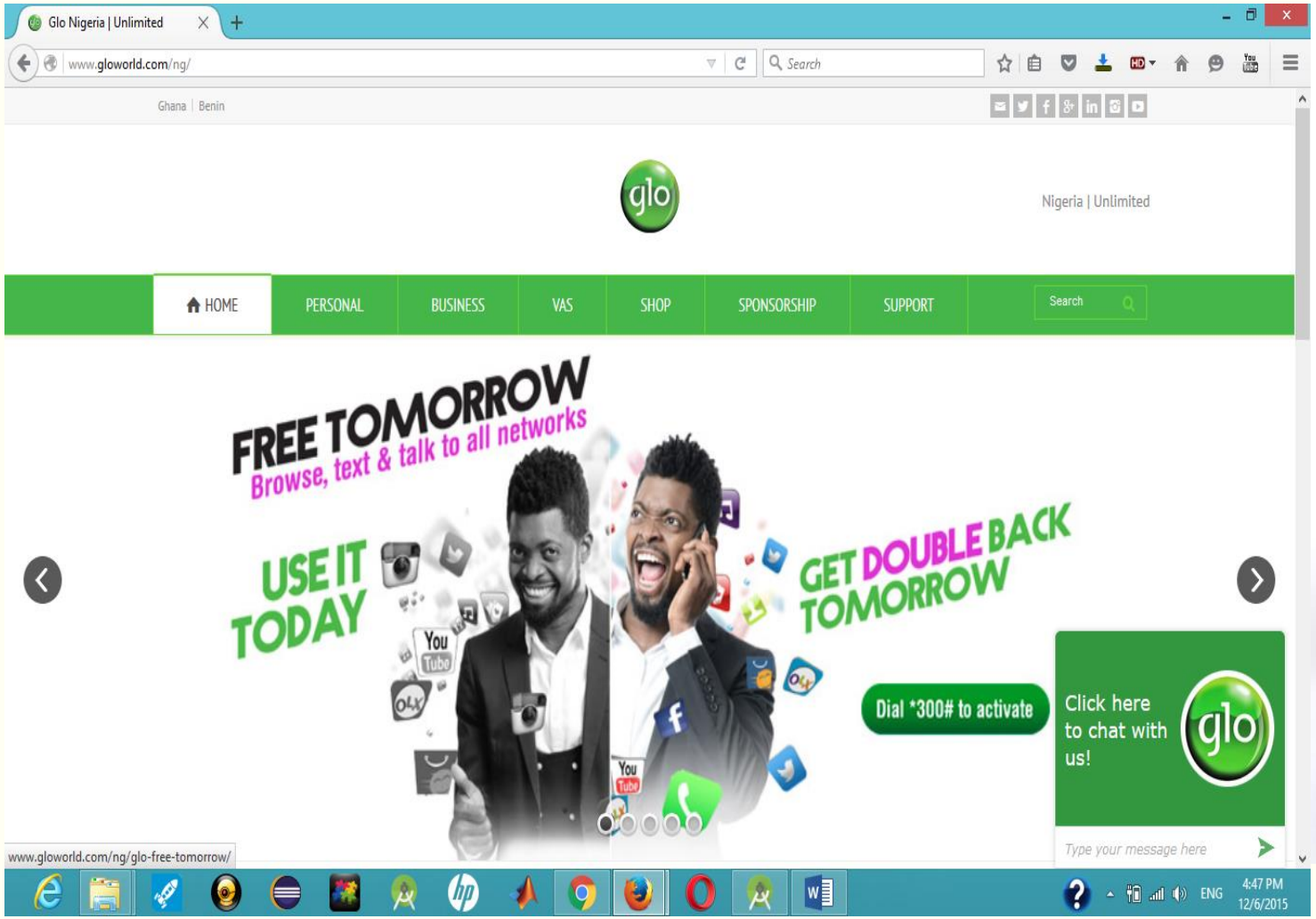








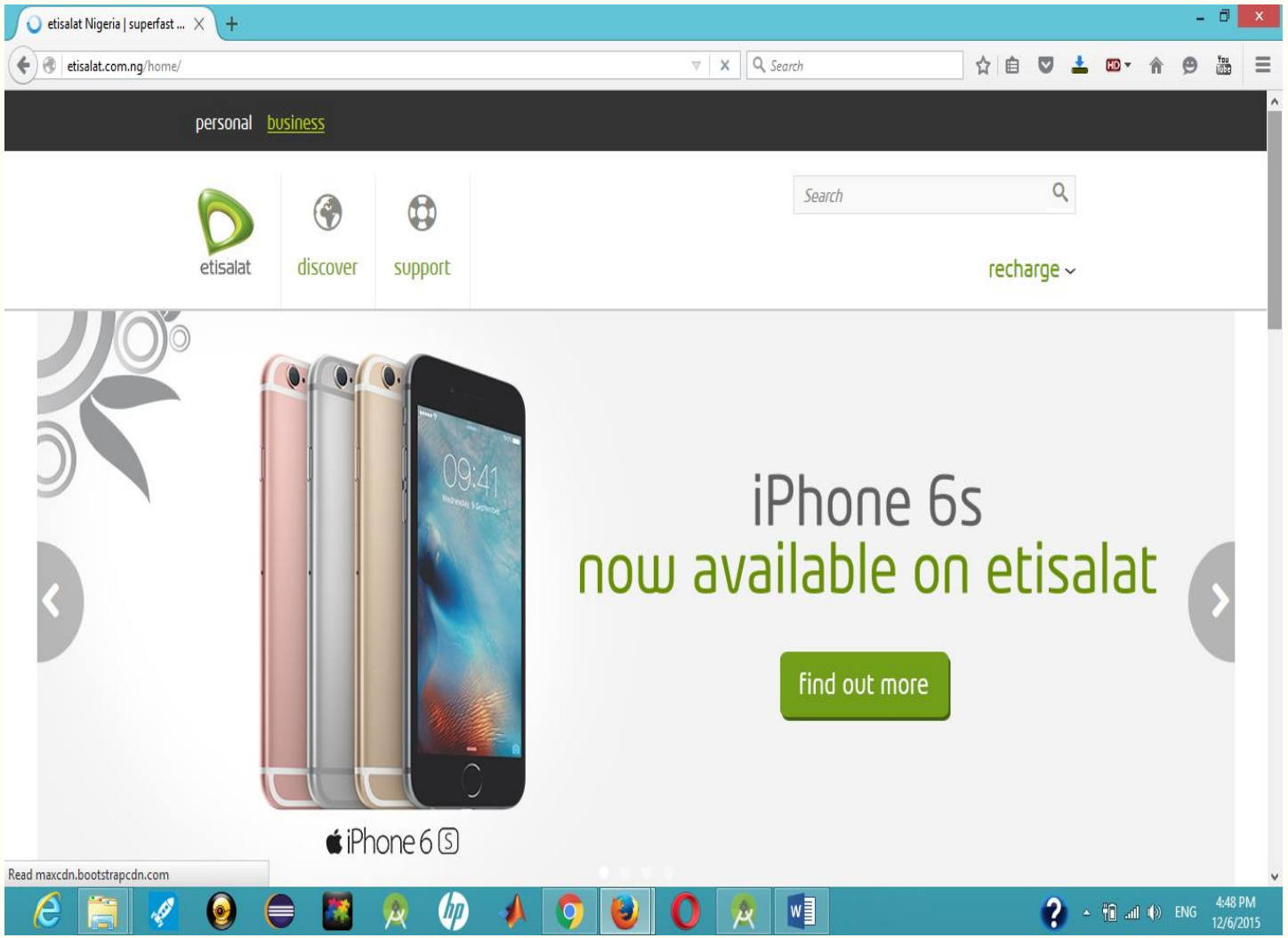
GLO DATA BUNDLES: http://gloworld.com







ETISALAT DATA BUNDLES: http://etisalat.com.ng







SIM CARD SLOT WIFI ROUTERS

SIM CARD SUBSCRIBED TO ANY OF THESE DATA PLANS CAN BE SLOTTED INTO WI-FI ROUTERS (SPECIAL NETWORK DISTRIBUTING DEVICE) WHICH IN TURN CONVENIENTLY SERVE INTERNET ACCESS (HOTSPOT) TO COVER INDIVIDUAL FACULTIES AND DEPARTMENTS.

EXAMPLES OF SIM CARD ROUTERS;





SIM CARD SLOT WIFI ROUTERS

1. HUAWEI e5151 2G 3G SIM CARD to WIFI WIRELESS PORTABLE ROUTER







SIM CARD SLOT WIFI ROUTERS

HUAWEI e5151 2G 3G SIM CARD to WIFI WIRELESS

Brand	Huawei
Model	E5151
Model Year	2013
Item Weight	150 g
Product Dimensions	9.1 x 1.5 x 6.4 cm
Batteries:	1 Lithium ion batteries required. (included)
Item model number	E5151
Screen Size	2 Inches
Voltage	3.7 Volts
Batteries Included	Yes
Batteries Required	Yes
Connector Type	wireless
Includes Rechargable Battery	Yes





SIM CARD SLOT WIFI ROUTERS



2. TP-Link TL-MR3020 Mini Pocket 3G/4G Wireless Router (Grey)







SIM CARD SLOT WIFI ROUTERS



2. TP-Link TL-MR3020 Mini Pocket 3G/4G Wireless Router (Grey)

TECHNICAL SPECIFICATIONS:

Brand	TP-Link
Series	TL-MR3020
Colour	Grey
Item Height	6.6 Centimeters
Item Width	23 Millimeters
Item Weight	59 g
Product Dimensions	7.4 x 2.3 x 6.6 cm
Item model number	TL-MR3020
Processor Count	1
Computer Memory Type	DDR3 SDRAM
Connectivity Type	802_11_N, 802_11_G, 802_11_B
Wireless Type	802.11bgn
Included Components	TL-MR3020 router, Quick Installation Guide, Power Adapter, USB Cable, Resource CD and Ethernet Cable

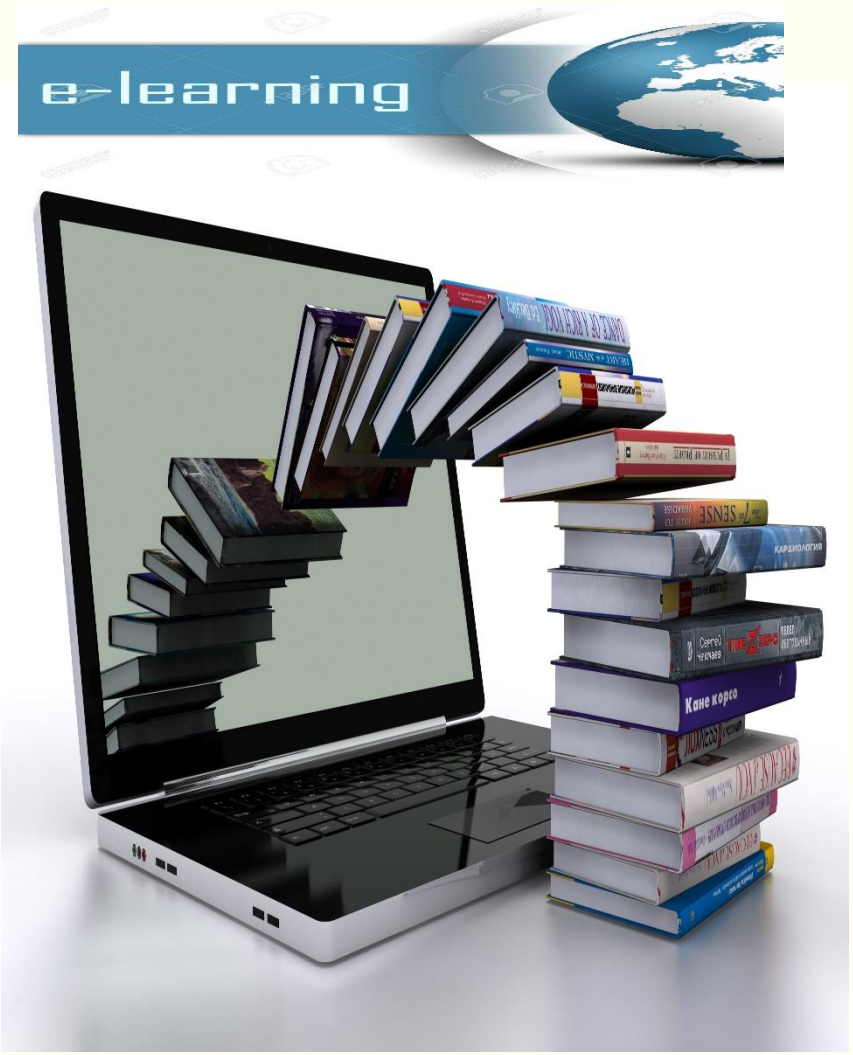




SIM CARD SLOT WIFI ROUTERS

3. NETGEAR ROUTER:







SIM CARD SLOT WIFI ROUTERS

3. NETGEAR: (BACK VIEW)







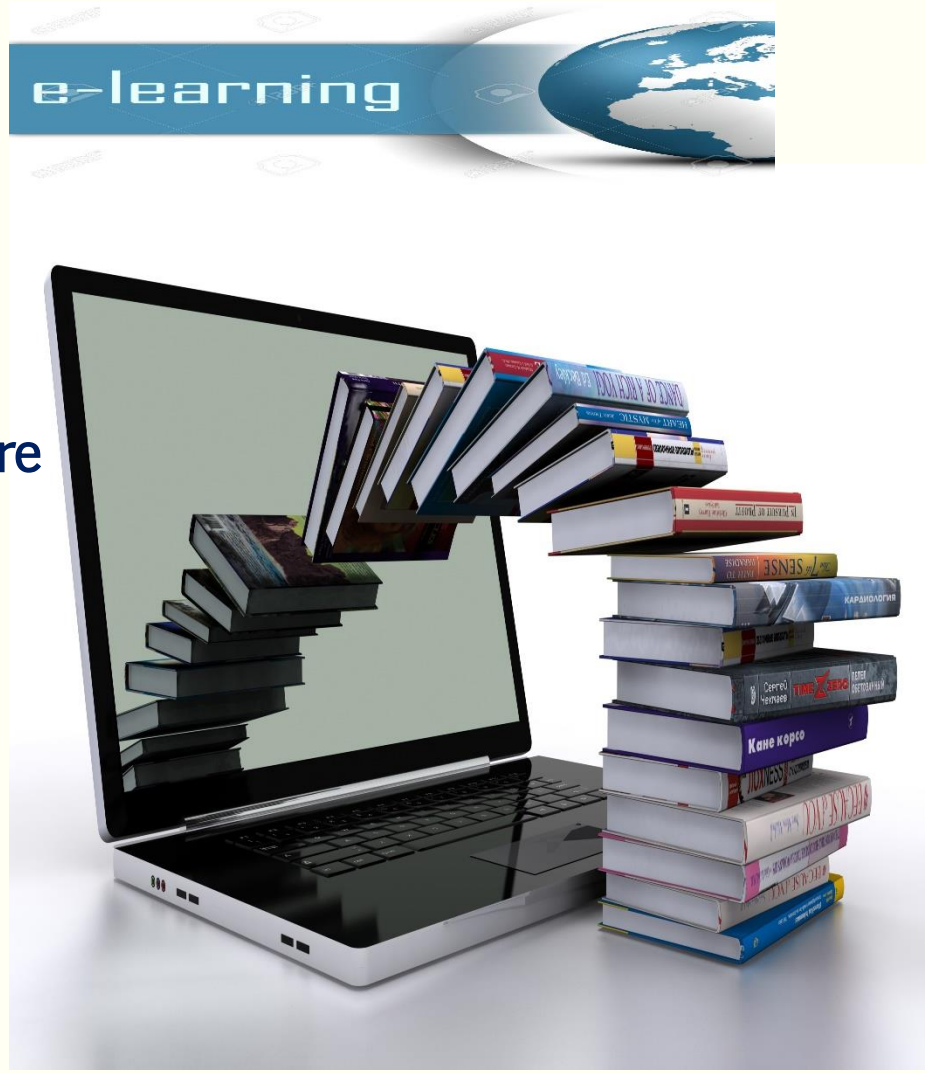
SIM CARD SLOT WIFI ROUTERS

3. NETGEAR: (TECHNICAL SPECIFICATIONS)

802.11ac Dual Band Gigabit, Quad-Stream AC2350 WiFi - up to 2.33Gbps (600+1733 Mbps)

Next generation Wave 2 WiFi, Fastest available 1.4 GHz dual core Processor Dynamic QoS bandwidth prioritization by application and device, Twin USB 3.0 and eSATA ports to connect external storage and enjoy fast, wireless access to high-capacity hard Drives Four high-performance external antennas and Beamforming+ for maximum range,

Manage your home network with NETGEAR genie.





SIM CARD SLOT WIFI ROUTERS

4. HUWEI B683







SIM CARD SLOT WIFI ROUTERS

4. HUWEI B683 (TECHNICAL SPECIFICATIONS)

Product Dimensions	8 x 7.5 x 2.2 inches
Item Weight	12 ounces
Shipping Weight	12 ounces (View shipping rates and policies)
Manufacturer	Huawei
ASIN	B009H4ANYS
Origin	Imported (China)
Item model number	B683-74v
Customer Reviews	2.8 out of 5 stars 4 customer reviews 2.8 out of 5 stars
Best Sellers Rank	#1,322 in Computers & Accessories > Routers
Date first available at Amazon.com	September 26, 2012





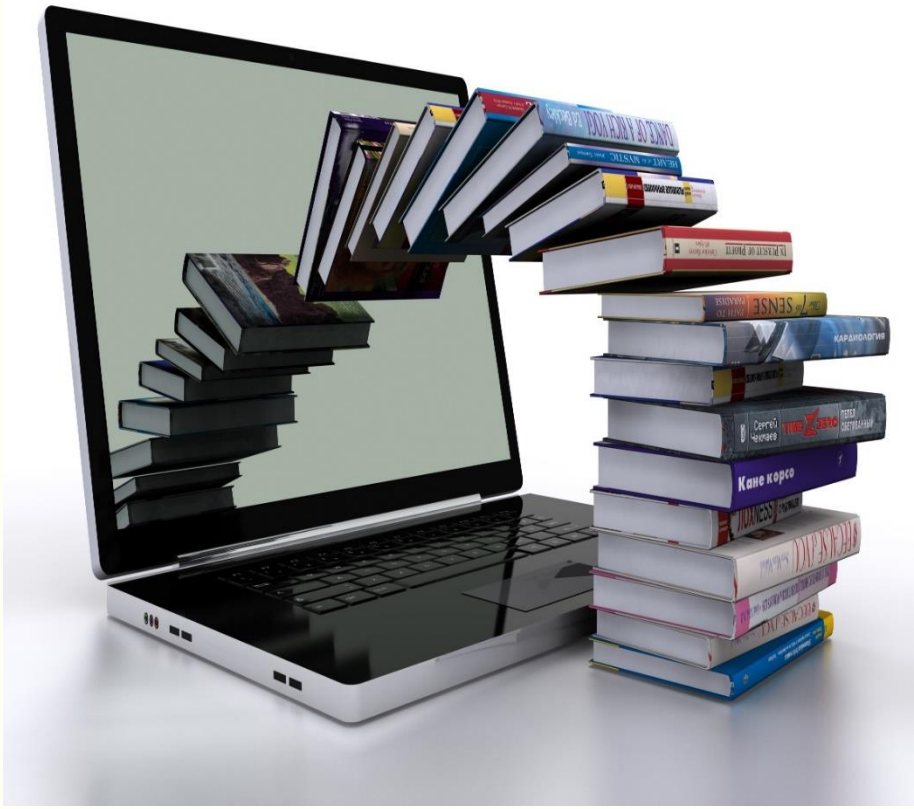
STRUCTURE OF AN E-LEARNING ENVIRONMENT



LET'S RECALL THE 5TH OBJECTIVE OF THIS FACT FINDING REPORT. "IF WELL IMPLEMENTED, THIS WILL POSITION AND ENGAGE

LASU ICT CENTER FOR GREATER PRODUCTIVITY".







CAMBRIDGE IGCSE



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THIS FACT FINDING REPORT, STRONGLY RECOMMENDS CAMBRIDGE IGCSE CURRICULUM INTO FUTURE LASU FOUNDATION PROGRAMMES.



CHAPTER THREE.

CONCLUSION & SUMMARY



1. GSM DATA LOADED SUBSCRPTION PACKETS +SIM CARD WITH ENABLED ROUTERS THAT CAN EFFECTIVELY DISTRIBUTE INTERNET ACCESS TO FACULTIES AND DEPARTMENTS WITHOUT THE OVERHEAD OF LASU ICTC Center RADIO MASTS.
2. FINANCIAL OVERHEAD IS DRASTICALLY REDUCED.
3. INTERACTIVE BOARDS, + ACER PROJECTORS +MULTIMEDIA SPEAKERS SHOULD BE PROCURED AND INSTALLED STRATEGICALLY FOR STUDENT DAILY LECTURES , SECURED AND ACCOUNTED FOR.



THIS WILL POTENTIALLY RAISE THE LASU STANDARD, RANKING AND RETURN ON INVESTMENT.



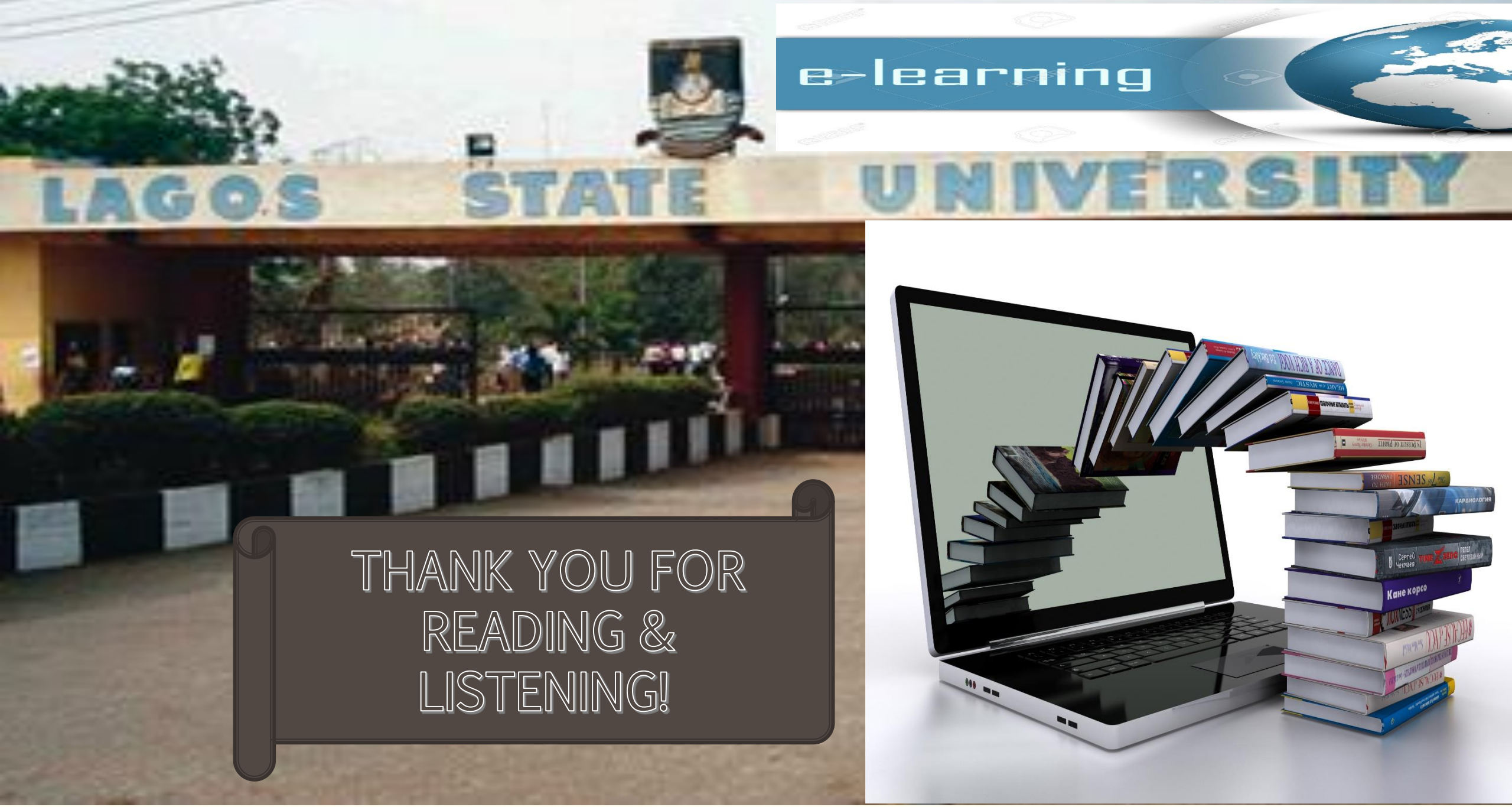
ACKNOWLEDGEMENT

BLESSED BE THE LORD OF HOSTS WHO DAILY LOADS US WITH BENEFITS ETERNAL. THROUGH WHOM ALL MEN HAVE THEIR BREADTH OF LIFE. TO JESUS THE SON OF GOD, AND TO THE HOLYSPIRIT. TO HIM WHO SITS ON THE THRONE BE BLESSING AND GLORY AND HONOR FOREVERMORE. AMEN.

MANY THANKS TO THE PROFESSOR LANRE FAGBOHUN (CURRENT VC), MR. AKIN LEWIS (CURRENT REGISTRAR), MRS AMOO (HOD MULTIMEDIA CENTER), MR. S. FADIPE, ALL THE ICTC STAFF AND LASU STAFF FOR GRANTING THIS AUDIENCE.






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THANK YOU FOR READING & LISTENING!