

A GOOD MATHEMATICAL MODEL MUST AGREE TO NATURAL PREDICTIONS - PROF AIYESIMI |By Aliyu Jidda Ibrahim



PROF. AIYESIMI PRESENTING HIS LECTURE.

Prof. Yomi Monday Aiyesimi of Department of Mathematics, Federal University of Technology, Minna has declared that the complexity of a Mathematical model most often determines the quality of its results and conformity with natural expectations.

The Prof. made this declaration on Thursday 16th September, 2021 during the delivery of the 90th Inaugural Lecture of the University, held at the University Auditorium, Main Campus, Gidan Kwano, Minna.

He attributed his assertion to the fact that mathematical models are formulations from real life observations and diligent experimental processes.

Aiyesimi, a professor of Applied Mathematics who delivered his Lecture with the theme: *Applied Mathematics: The Reality, Validity and Contemporariness of Mathematical Modelling to Real*

Life Problems" opined that it is a known fact that, the quality of the results of any scientific research depends very much on how well the mathematical models of functions that establish these relationships are formulated.

He said that in the fields of business and engineering, mathematical models may be applied as optimisation tools.

Driving home his exposition further, the Mathematics Don explained that linear programming, as with many mathematical techniques, was developed primarily for the purpose of solving certain class of practical problems.

He related that, during the 2nd World War (World War II) several problems arose in connection with the optimal deployment of air crafts, submarine, men materials and transport.

Similarly, the same problem arose

during the post war era in industries and government like economic problems, manufacturing, optimal choice of shipping routes etc. This class of problem is best described as "the optimal allocation of scarce resources which the classical mathematical methods of calculus and algebra failed to solve for the fact that formulations of the problems are basically inequalities rather than equations" he stated.

The presenter further dwelt on other areas where applied mathematical models are necessary in our contemporary time, stressing that mathematics in decision making is a very versatile branch of mathematics with enormous application in a wide range of human activities also known as the science of decision making.

According to him, the process encompasses a wide range of problem solving techniques and methods applied in the pursuit of improved and efficient decision making.

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Other human endeavours that applied mathematical models have impacted on, according to the lecturer are: simple transportation problems, cybernetics, music, cryptography, linear programming and mathematical modelling of real life problems, among other relevance.

Prof. Aiyesimi recommended that there should be a deliberate

government policy to establish a synergy between the University system and the industry for the purpose of harnessing results from the researches of these institutions for possible industrial revolution.

Speaking after the event, the Vice-Chancellor of the University and Chairman of the occasion, Prof. Abdullahi Bala FSSN said that the essence of inaugural lectures is to

create an avenue where town and gown meets. He commended the presenter for being able to demystify the abstract mathematical equations into real life situations.

The Vice-Chancellor expressed appreciation to all guests who graced the occasion.

QAP ORGANIZES REFRESHER TRAINING

| By Yusuf Abdullahi Zurmi



THE REPRESENTATIVE OF THE VICE-CHANCELLOR, PROF. AKIM O. OSUNDE.

The Quality Assurance and Productivity Unit, Federal University of Technology, Minna has organized a refresher workshop with the theme “Instructional Leadership: A Key to Students’ Academic Success”.

The three (3) day workshop which commenced on Tuesday, 14th September and ended on Thursday, 16th September, 2021 was organized for School Deans, Deputy Deans, Heads of Departments, School/ Departmental Examination Officers and Academic Level Advisers of the University.

To achieve the desired objectives, each set of participants had a day dedicated to them. Tuesday 14th September, 2021 was meant for the Deans, Deputy Deans and HODs. Wednesday, 15th September, 2021 was earmarked for Examination Officers, Academic Level Advisers and Counsellors of SAAT, SIPET, SIT and SET while Thursday, 16th September, 2021 was for all Examination Officers, Academic Level Advisers and Counsellors of SICT, SEET, SPS, SLS and SSTE

respectively.

In his address before declaring the workshop open at the Chemical Engineering Hall, Main Campus, Gidan Kwano, the Vice-Chancellor, Prof. Abdullahi Bala, FSSN represented by the former Deputy Vice-Chancellor (Academic) Prof. Akim Osarhiemen Osunde said most of the participants were academic staff charged with the responsibilities of administration, hence, the workshop would help them acquire modern administrative skills and competencies that would enable them to direct the affairs of the University towards the achievement of desired goals.

He thanked the Director, Quality Assurance and Productivity Unit, Prof. Suleiman Adai and all resource persons for organizing an all-inclusive training workshop and urged participants to take advantage of the workshop, adding that it would go a long way to add value to the type of leadership they would offer in their respective assignments.

In his welcome address, the Chairman of the occasion and the Deputy Vice-Chancellor (Academic) Prof. Faruk Adamu Kuta who was represented by the Deputy Director, Academic Planning Unit, Dr. John Alhassan said that for the targeted staff to be able to carry out their assigned responsibilities, there is need for capacity building to enhance their administrative skill for the attainment of desired goals.

He called on participants to participate actively as the workshop would improve their administrative efficiency.

Speaking earlier the convener of the workshop Prof. Suleiman Adai said the workshop objectives were that at the end of the training, participants would be refreshed on their roles and responsibilities in ensuring that every student receives the best quality instruction each day through coaching, motivation, encouragement and counselling that will enhance their internal drive to succeed.



PARTICIPANTS POSE FOR A GROUP PHOTOGRAPH AFTER THE TRAINING

FUTEC, LUE ORGANISE SCIENCE-BASED EXHIBITION FOR HIGH SCHOOLS IN MINNA

• Prof Bala, Dr Alenoghena Get Award of Excellence | By Ugboaja, Stanley U.



THE REPRESENTATIVES OF THE VC, PROF. UDENSI, AND OTHER POS INSPECTING ONE OF THE EXHIBITED PROJECTS AT THE EVENT.

The Federal University of Technology, Minna (FUT, Minna) Entrepreneurship Centre in conjunction with Lue Explore Network Thrive have organised a five-week Boot Camp and Business Idea Challenge for secondary schools in Minna, Niger State.

The grand finale of the event tagged: “High School Spark” took place on Friday, September 10, 2021 at the Entrepreneurship Centre, Main Campus, Gidan Kwano, with five secondary schools in attendance. Also in attendance was a host of dignitaries.

Delivering his address at the occasion, the Vice-Chancellor of the University, Prof. Abdullahi Bala, FSSSN, commended the Director of the Centre and the organisers of the event for staging the science-based exhibition for the students, adding that early exposure to science and innovative based crafts would develop a scientific spirit and curiosity in the students.

The Vice-Chancellor who was

represented at the event by the Deputy Vice-Chancellor (Administration), Prof. Emmanuel Emeka Udensi, *fnip*, stated that science has a vital role to play in the technological advancement of any nation. He assured the organisers of the event that the University would support them so that they can organise the programme beyond Minna in subsequent editions.

Prof. Bala disclosed that the event is in line with the University's mandate through sensitization in the areas of innovation and entrepreneurship. He applauded the different schools that participated in the event on the quality of the projects exhibited while stating that they are all winners.

On her part, the Director of the Centre, Engr. Dr. (Mrs.) Caroline Alenoghena disclosed that the purpose of the event was to develop local inventions for the country as well as to establish linkages for scaling up the developed projects. She expressed appreciation to the University Management for always honouring the Centre's invitation

and congratulated the students for participating in the event.

Speaking earlier, the Founder, Lue Explore Network Thrive, Master David Utulor stated that the event would promote economic diversification and place Nigeria and Africa at large among the drivers of innovation in the 21st century.

He added that the platform was created in order to harness the potential of students to transform the country for good.

The Founder thanked the LUE team, the facilitators and the University's Entrepreneurship Centre and other partners who contributed towards the success of the event.

At the end of the exhibition, Kowa Schools, Kpakungu, Minna came first with 199 points; Brighter Schools, Minna emerged second with 196 points while Maryam Babangida Science College, Bosso, Minna came third with a total of 192 points.

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Other schools that participated at the exhibition were Diamond Global College, Minna and Army Day Secondary School, Minna.

The highlight of the event was the presentation of an award of

excellence to the Vice-Chancellor of the University, Prof. Bala in recognition of his commitment and support towards human development and entrepreneurship. The Director of the Centre, Dr.

Alenoghena was also honoured with an award of excellence for championing entrepreneurial development in the University.

AIBINU-LED AEIRG MAKES GOOD SHOWING AT RESEARCH FAIR

|By Mustapha Alhassan



FUT, MINNA, VC, PROF. ABDULLAHI BALA INSPECTING THE PIPELINE ROBOT AT THE UNIVERSITY'S BOOTH.

The Advanced Engineering Innovation Research Group (AEIRG), Federal University of Technology, Minna has through, its participation in two different research exhibitions, attracted some wins and positive outlooks for the University.

Coordinator of the AEIRG and Director of the Centre for Open Distance and e- Learning (CODEL), Prof. Abiodun Aibinu disclosed this in an exclusive chat with Campus News.

At the Nigerian Content Development and Monitoring Board (NCDMB) Research and Development Fair held at Yenagoa, Bayelsa State on Thursday, September 9, 2021, the research group presented a total of 18 products of its cutting edge research (16 through posters and two by flex banners), out of which eight were

physically displayed at the event, Prof. Aibinu stated.

He explained that the eight products physically displayed were oil and gas and energy-related and outcomes of the Tertiary Education Trust Fund (TETFund) and the Royal Academy of Engineering, United Kingdom-funded research grants.

"Over 200 people visited our booths. We were able to network with industries and other institutions, especially in the oil and gas field, " said Prof. Aibinu.

Aibinu, a professor of Mechatronics Engineering, further disclosed that they were able to secure opportunities for internship and job placement for students and graduates of the University during the event.

The entire products showcased were developed under the projects titled Intelligent Vision for Pipeline

Monitoring (IV4PM) and Artificial Intelligence for clean Energy (AI4CE), with Prof. Aibinu as Principal Investigator.

The Vice-Chancellor of the University, Prof. Abdullahi Bala FSSSN led the University's delegation comprising , Prof. Moses Olutoye, Director, Directorate for Research Innovations and Development, Dr. Dr. Abdulkadir Mukhtar, Head of Department, Chemical Engineering.

Also on the team was an interdisciplinary group of research assistants drawn from FUT, Minna, and other universities.

The research assistants are Muhammad Aliyu, Undie Unimakpei, Maria Suleiman, Attahiru Jibril and Mariam Faleye were Research Assistants on the team.

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VISITORS ADMIRING A PRODUCT AT THE UNIVERSITY'S BOOTH

Other are Eunice Abayomi, Emmanuel Morenikeji, Victoria Afolayan and Abdullahi Asimiyu.

Many higher institutions, ministries departments and agencies, the Bank of Industry, commercial banks and manufacturing companies were at the exhibition.

At the end of exhibition, 11 products from the University were submitted for assessment for funding towards

commercialization.

Some of the products submitted are: Intelligent Vision for Pipeline Monitoring (IV4PM), Mobile Application for Pipeline Monitoring and Defects Localization, Autonomous Crawler for Pipeline Monitoring, Defect Detection and Localization and E- Learning Content Development and Conversion, amongst others.

AERIRG also participated at the

Nigerian Army Research and Development Conference Hosted by the Headquarters Training and Doctrine Command, Nigerian Army, Minna from 8th to 10th September.

Dr. Taliha Folorunsho who is research fellow in the group represented Prof. Aibinu at the event where the military announced its intention to collaborate with the University in the production of military hardware.

EXTENTION OF LEAVE OF ABSENCE



The Vice-Chancellor has approved the extension of Leave of absence for Dr. Obafeoluwa Alfred Michael, Department of Library and Information Technology tenable at the Plateau State University, Bokkos for another period of one year effective from August 29, 2021 to August 28, 2022.

NEWS FROM ALHALAL

Al-Halal Cooperative Multipurpose Society, Federal University of Technology, Minna hereby informs its members who are yet to collect their individual statements of accounts that the statements are available for collection at the Society's Secretariat, Bosso Campus. Such members are to obtain, check and return the statements for any necessary correction, not later than Thursday, September 23, 2021.

COUNSELLING TIPS



As a staff of this great citadel of learning, be you an academic or non-academic staff, be patient enough to listen to a student's concerns brought to you. You are his or her available parent at the point of contact. Your parental guidance in love will help him or her build confidence in you and to feel comfortable with the system to forge ahead.

**Guidance and Counselling Unit,
Students' Affairs Division.**

Money Matter

Weekly Financial Digest for Monday 6th September - Friday 12th September 2021

SN	RECEIPTS	₦
1	Transcript	641,700.00
2	Collection of Certificate	251,000.00
3	Motorcycle Registration	17,000.00
4	Turnitin Undergraduate	10,000.00
5	Turnitin Master	20,000.00
6	Verification /Proficiency in English	40,000.00
7	HUAWEI Academic Training	21,000.00
8	Teaching Practice	24,000.00
9	Verification /Proficiency in English	40,000.00
10	Prepaid Meter	55,500.00
11	Replacement of I. D Card	500.00
12	Semester Result	17,600.00
13	Acceptance Fees	380,000.00
14	Registration Fees Pre-Degrees	2,375,250.00
15	Postgraduate School Fees	2,423,750.00
16	Undergraduate School Fees	90,776,400.00
17	Sales Of Forms Pre-Degree	98,000.00
18	Hostel Accommodation Fees	21,720,005.00
19	CODEL Registration	105,950.00
	TOTAL RECEIPTS	119,017,655.00
20	Contractors/Suppliers	
	(i) Staff	
	(a) Advance	3,964,900.00
	(b) Refund /Payment to Staff	5,911,148.24
	(ii) Contractors/Suppliers	
	(a) Pioneer Int. Serv. Ltd. - Repairs	283,000.00
	(b) Barocer Nig. Enterprise - Supply	502,250.00
	(c) IBK Arena - Supply	358,969.38
	(d) Brizelane Concept Ltd. - Repairs	660,000.00
	(e) Fotosermen Ltd. - Supply	4,128,000.00
	(f) Leah Eyagi - Refreshment	120,000.00
	TOTAL PAYMENTS	15,928,267.62