

**Mzuzu University**  
**Faculty of Information Science and Communications**  
**Department of Information and Communication Technology (ICT)**  
**Individual Projects – BICT 4804/BSDS 4805**  
**Group Projects – BICT 3605/ BSDS 3604**  
**Final Product Presentations and Demonstration Announcement**  
**05/11/2024**

There will be final product presentations and demonstrations on Tuesday 5<sup>th</sup> November, 2024 . The venue and the starting time are as follows: -

**Venue** : ICTLAB 1

**Starting Time** : 9:30 AM.

You are expected to observe time. Anyone who will not be ready at his/her allocated time will not be given another chance. Make sure that all PowerPoint presentations are loaded on one computer that will be used for presentations before the presentations start and your system is properly configured with all required environments. You are required to deploy or host your projects either on our local server or on any cloud-based environment. Those who have failed to host may use their laptops for demonstration, but it's a must to host their project by Friday, 8<sup>th</sup> November 2024.

Your presentations should cover the following areas:

- a) **Features proposed.**
- b) **Feature implemented**
- c) **Successes and Challenges (experiences).**

A demonstration of the product will follow the presentation.

**The presentation structure:**

- ✓ **PPT Presentation** : 5 Minutes
- ✓ **System Demonstration** : 15 minutes
- ✓ **Question Time** : 10 Minutes

The presentations will be assessed using the following criteria and weighting:

**A:** How students answer questions satisfactorily 1 Mark

**B:** Logical flow of a presentation 1 Mark

**C:** Conformity to the allocated time for presentations 1 Mark

**D:** Student presentation in general, e.g. audibility, attire, eye contact 2 Marks

**E.** Core System features completion percentage 15 Marks

**F.** User Experience (Choice of colours, navigation and usability). 5 Marks

**G.** Database Design (data modelling and normalisation) 5 Marks

**H.** System Validation and Security Compliance 5 Marks

**I.** Deployment and Hosting . 5 Marks

Cheers,

Donald Phiri

**Project Coordinator**

**Presentation Schedule in ascending order.**

**#1 Data Science Generic Groups**

<b>Student Name</b>	<b>GROUP ID</b>	<b>Topic</b>
Oreen Harazi	2	Skin Cancer Detection with 3D Total Body Photography (TBP)
Christobel Mkondiwa	2	Skin Cancer Detection with 3D Total Body Photography (TBP)
Nice Nkhoma	2	Skin Cancer Detection with 3D Total Body Photography (TBP)
Bright Paipila	2	Skin Cancer Detection with 3D Total Body Photography (TBP)
Peter Chimbayo	2	Skin Cancer Detection with 3D Total Body Photography (TBP)
Frank Nguluwe	1	Name Entity Recognition for Chichewa
Clever Hauya	1	Name Entity Recognition for Chichewa
Sibongire Malama	1	Name Entity Recognition for Chichewa
Austine Zuza	1	Name Entity Recognition for Chichewa
Maiwase Zulu	4	Forecasting Prices of Agricultural Products Using Machine Learning Techniques
Tamanda Musa	4	Identifying Anomalies in Food Prices Using Machine Learning
Wongani Nyirenda	4	Identifying Anomalies in Food Prices Using Machine Learning
Fatsani Lawe	4	Identifying Anomalies in Food Prices Using Machine Learning
Rejoice Mikundi	3	The Respiratory Sound and Classification at Record Level Using Machine Learning
Thandiwe Chilumanga	3	The Respiratory Sound and Classification at Record Level Using Machine Learning
Memory Sinkhonde	3	The Respiratory Sound and Classification at Record Level Using Machine Learning

McDonald Alfred	3	The Respiratory Sound and Classification at Record Level Using Machine Learning
Wakisa Chihana	5	Developing an Automated System for the diagnosis and grading of diebetic retinopathy using machine learning
Ramsey George	5	Developing an Automated System for the diagnosis and grading of diebetic retinopathy using machine learning
Emmanuel Malunga	5	Developing an Automated System for the diagnosis and grading of diebetic retinopathy using machine learning
Enock Makhwalu	5	Developing an Automated System for the diagnosis and grading of diebetic retinopathy using machine learning

## #2 Data Science Weekend Groups

Student Name	GROUP ID	Topic
Tendai Kamwatendo	3	advanced recognition of Rice varieties using Deep Learning in Malalwi
Amos Gwai	3	advanced recognition of Rice varieties using Deep Learning in Malalwi
Wilson Kashawa	3	advanced recognition of Rice varieties using Deep Learning in Malalwi
Sebastina Macheso	1	Survielance AI
Oscar Mkandarie	1	Survielance AI
Kilious Kandawa	1	Survielance AI
Martin Makawa	4	Water Quality Analysis using machine Learning
Blessings Nyirenda	4	Water Quality Analysis using machine Learning
Chilumba Mhone	4	Water Quality Analysis using machine Learning
Samuel Kachali	2	Legal-Constituion Chatbot

Peter Mataya	2	Legal-Constituion Chatbot
Patrick Phandera	2	Legal-Constituion Chatbot

### #3 ICT Upgrading Group Projects

Student Name	GROUP ID	Topic
George Mbewe	1	Mzuzu University Employee E-Workflow System
Joseph Phiri	1	Mzuzu University Employee E-Workflow System
Madalitso Chilenje	1	Mzuzu University Employee E-Workflow System
Grace Chisambi	4	Yewo Car Hire System
Tito Shaba	4	Yewo Car Hire System
Pemphero Kadzako	4	Yewo Car Hire System
Faith Mkandawire	2	Mzuzu University Leave Management System
Chikond Chiomba	2	Mzuzu University Leave Management System
Micheas Makumba	2	Mzuzu University Leave Management System
Ryan Mithi	2	Mzuzu University Leave Management System
Aubrey Mlenga	3	Hostel Management System
Goefry Mwangomba	3	Hostel Management System
Emmanuel Mkumbwa	3	Hostel Management System
Anthony Chaima	3	Hostel Management System

#### #4: Diploma Group Projects

Student Name	GROUP ID	Topic
Timothy Nyirenda	3	AHL Tobacco farmer registration booking and System
Jeremiah Nyasulu	3	AHL Tobacco farmer registration booking and System
Peter Mvula	3	AHL Tobacco farmer registration booking and System
Oblation Brian Simbeye	4	Miagent App
Yamikani Chirwa	4	Miagent App
Innocent Nyirongo	4	Miagent App
Mc Donald Nkhata	2	Mental Health Reasource and Support Monitoring Mobile App
Innocent Kumwenda	2	Mental Health Reasource and Support Monitoring Mobile App
Kelvin Likkweta	2	Mental Health Reasource and Support Monitoring Mobile App
Hendricks Lipande	1	Case Management System
Peter Maagawa	1	Case Management System
Curthbet Chibwana	1	Case Management System
Lonex Kanduna	1	Case Management System

### #5 ICT Generic Groups

Student Name	GROUP ID	Topic
Gift Mkyelu	1	Construction Project Tracker
Fred Phiri	1	Construction Project Tracker
Pheona Chikwati	1	Construction Project Tracker
Norah Kanyumba	1	Construction Project Tracker
Lasmon Kapota	1	Construction Project Tracker
Tadala Nlape	2	MUSREC Business Management System
Taonga Tseka Phiri	2	MUSREC Business Management System
Joseph Menye	2	MUSREC Business Management System
Henderson Hollah	2	MUSREC Business Management System
Christopher Ryan Kuchawo	2	MUSREC Business Management System
Imran Yusufu Shaibu	4	Mzuzu Taxi Booking
Yamukani Suwedi	4	Mzuzu Taxi Booking
Chifundo Njewa	4	Mzuzu Taxi Booking
Cosmas Henrico	4	Mzuzu Taxi Booking
Alexinard Simbeye	4	Mzuzu Taxi Booking
Joseph Nhane	3	Mzuni Maintenance Fault Reporting System
Yamikani Kadyeleni	3	Mzuni Maintenance Fault Reporting System
Richard Kondowe	3	Mzuni Maintenance Fault Reporting System
Dalitso Mbicholo	3	Mzuni Maintenance Fault Reporting System
Emmanuel Salamba	3	Mzuni Maintenance Fault Reporting System

## #6. Data Science Weekend Individual Projects

First Name	Second Name	Topic
Richard	Luke	A Machine Learning Based Parantage Prediction Using Computer Vision in Limited Resource Setting,
Janet	Jobe	Dehydration Detection using Machine Learning
prince	mwalughali	English - Chichewa translation App powered by Computer transformers
Brenda	Nkhoma	Fraud Detection in Mobile Money Transaction Using Machine Learning
Anthony	Kamowa	Loan Eligibility Predeiction Using Machine Learning
Harrison Brown	Chikadza	Deep Learning acucurate based identification of brachystegia species
Justin	Piriminta	Predicting Secondary School Performance in Mathematichs using maching learning
Milton	chithenga	Student Perfomance Prediction using machine learning
Mayamiko	Kadzanja	English - Chichewa translation App powered by Computer transformers
Chimwemwe C.	Mvula	White seed maize quality detection
Fatima	Kanthema	Heart Disease Prediction and Real-time Monitoring Using Machine Learning
Samuel	Msiska	Using LL model for financial analysis of public traded financial institutions
Samson	Mhango	Leveraging Large language model for public health surveillance
Enamu	Makhonja	Monitoring Effects of Dry spell through soil moisture predtion using Machine Learning
Glory	Phiri	Diates Prediction Systems Using Machine Learning



		Algorithms
Terence	Mnindi	Forest Watch
Francisco C.	Magwira	Optimizing Pulmonary Tuberculosis diagnosis through advanced artificial intelligence
George	Kalua	AI Powered Chatbot for Mental Health
Weston Zambia	Mkandawire	Aqua Tech: Machine Learning Mobile Driven Application
Bernard	Musewu	Machine learning based algorithm for maize yield prediction using meteorological variables and farm inputs

### #7 ICT Upgrading Individual

Student Name	Topic
KWENDA PHUNZIRO	Grand palace Booking System
LACKION D. ANACLET	ROYAL MAID MANAGEMENT SYSTEM
KANYUMBU HARRY	National ID Inventory System
NUNDWE E. EVERSON	Course Evaluation System
SISYA GANIZANI	NRWB ICT Equipment Acquisition System
MABASO STEPHEN	E-PROCUREMENT SYSTEM
HARA C. TIMOTHY	Madzi App
KAFUWA KELVIN	KANENGO POLICE STATION CASE MANAGEMENT SYSTEM
MPONDA ASHER	VILLAGE BANK PLATFORM
KUMWENDA MEMORY	YEWO CAR IMPOTER CRM
NYIRENDA WESTON	MZUZU CENTRAL PHYSIO CARE SYSTEM
BANDA PATRICK	E-PROCUREMENT SYSTEM

NSEMA SYMON	LAND OWNERSHIP BLOCK CHAIN SYSTEM
KUWALI SIPHIWE	LAND OWNERSHIP BLOCK CHAIN SYSTEM
PHILLIP NG'ANJO	KWITHU EMPLOYEE PERFORMANCE MANAGEMENT
BANDA DYSON	CTS Courier Management System
CHINSEU JONES	RENT SIMPLIFY
CHİYENDEYENDE ALFRED	TB DATA MANAGEMENT SYSTEM
FRIDAY KONDWANI	E-PROCUREMENT SYSTEM
KAUNDA ALEX	Mzuzu Funeral Service Platform
KAPULULA GODFREY	Mzuzu Community Policing Management Sysyem
LAWANI TIYAMIKE	Chisanga Entertainment Event Management System
LUHANGA NOEL	MzuniPay
MBOWE BENARD	MZIKA HUB APP
NDINDI NELSON	St Johns Institute for Health SMS
PHIRI SOLOMON	LAND OWNERSHIP BLOCK CHAIN SYSTEM
MUNTHALI YAMIKANI	UCHEMBERE WABWINO MEDICATION EXPIRY SYSTEM
MPELEKENI LECKSON	UNIROOM
KONDOWE COSSAM	Digital Agricultral Ecosystem
KALAMBO BLAVE	Center for Non Communicable Disease Platform

**#8 ICT Generic Individual**

<b>Student Name</b>	<b>Topic</b>
HALMITON PHIRI	FISHERLY EXCHANGE
VICTOR PHIRI	NETPASSMW (Ticketing System)
VICTORIA KANKHOKWE	COMMISSION - BASED HOTEL BOOKING APPLICATION
EMMANUEL SOGOLERA	MLIMI MBAMBANDE
WONGANI GWAYI	ONLINE CHURCH PLATFORM
LUMBANI NYASULU	ROAD TRAFFIC E-TICKETING SYSTEM
JIL SOKO	ERRAND MANAGEMENT SYSTEM
MASAUTSO MWANZA	FARM MANAGEMENT SYSTEM FOR MONITORING TOBACCO PRODUCTION
BAKI FRANK	REMOTE PATIENT MONITORING AND CONSULATION SYSTEM
LETICIA KASAMALE	Blockchain Based Mining Transactions Monitoring System
JOB NTHALI	MRA ONLINE AUTION SYSTEM
KONDWANI KASAMBALA	ULIMI WAMAKONO E-EXTENSION SYSTEM
SHAMEEM MAULANA	Mzuni E Tutoring App
SAMUEL MAHOWE	Mzuni Odel Admission System
MONICA MWANZA	REFERRAL TRACK
JOSEPH BANDA	STUDENT MANAGEMENT SYSTEM (SMS)
TAKONDWA JEAN KAULENDO	DODMA WAREHOUSE MANAGEMENT SYSTEM
BACKSON SALIMU	FUND A PATIENT

SABRINA ZAID	MLANGIZI APP
SEKERANI R. MKONDA	Blockchain Based Mining Transactions Monitoring System
WANANGWA V. MUNTHALI	ROAD TRAFFIC SAFETY APPLICATION
TIYAMIKE KANYAMA	MED ACCESS HUB
HENRY NG'AMBI	MALAWI CULTURAL HERITAGE HUB
KETRINA SWETALA	SECONDARY SCHOOL CONNECT (STUDENT LEARNING HUB)
REGINA BISIKA	Secondary School Career/Program Guidance App
FAITH CHISEPEYA	HOSPITAL PATIENT BILLING SYSTEM
BRAIM C. MKANDAWIRE JR.	NEEF LOAN MGT SYSTEM
PAUL CHINKHUNTHA	SMART OUTDOOR OUTDOOR PLANT IRRIGATION SYSTEM
ELLINA NASIYAYA	GREEN CART FOR SHOPRITE ( GREEN CART FOR CHIWAYO)
STANLEY JABESI	ROAD SIDE SAFETY SERVICES APP