

MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY



PROSPECTUS

2018/2019 – 2020/2021

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1.0 INTRODUCTION**1.1 VICE CHANCELLOR’S MESSAGE**

Mbeya University of Science and Technology (MUST) provides Technical Education, Research and Consultancy services. Due to rapid technological changes in the world today in many fields, there are ever widening technical skill gaps in the labour market of scientists, technicians and engineers. MUST has set for itself the task of responding to these changes at the same pace as that at which the technology is changing by making frequent reviews of its curricula and developing new curricula and Programmes to fit and fill the skill gaps that new technologies pose. MUST, therefore plays its role of training scientists, engineers and technologists in numbers and quality so as to spearhead development in the public and private sector.

1.2 HISTORICAL BACKGROUND

Mbeya University of Science and Technology (MUST) is a result of the transformation of Mbeya Institute of Science and Technology (MIST) through the University Act No. 7 of 2005 and the Charter of Mbeya University of Science and Technology, 2013. The then Institute was a result of the transformation of the former Mbeya Technical College (MTC) through the National Council for Technical Education (NACTE) Establishment order No. 9 of 2004 and section 9 of the NACTE Act of 1997. MTC was officially launched on 1st September, 1986.

The transformation from MTC to MIST and then MUST was done to fulfill a long-term plan, made during the first phase Government, under the then President of the United Republic of Tanzania, the late Mwalimu Julius Kambarage Nyerere.

In a bid to expand and offer services to a wider client base, in 2015, Mbeya University of Science and Technology (MUST) acquired a new Campus (Rukwa Campus) which is in Rukwa region.

1.3 LOCATION

Mbeya University of Science and Technology has two campuses. The Main Campus is located in Mbeya City in the Southern Highlands of Tanzania 10 km outside the city center and about 3 Km from the Mbeya – Tunduma Highway. The road to MUST branches from the highway at the Iyunga/Ituta – TAZARA area. The Rukwa Campus of Mbeya University of Science and Technology is located at Kianda along Tunduma-Sumbawanga road, about 50 km from Sumbawanga.

1.4 VISION, MISSION AND OBJECTIVES OF THE UNIVERSITY**1.4.1 VISION**

The vision of Mbeya University of Science and Technology is to become the leading centre of excellence for knowledge, skills and applied education in Science and Technology.

1.4.2 MISSION

The mission of Mbeya University of Science and Technology is to develop academically, technologically and socially competent students, staff and other stakeholders who will be responsive to the broader needs and challenges of the society specifically by:

- i. Facilitating appropriate tuition, practical training and support according to the needs of students and other customers.
- ii. Encouraging staff commitment to quality education and services including research, consultancy and innovation.
- iii. Fostering lifelong learning, honesty and responsibility.
- iv. Promoting an environment conducive to human development.
- v. Promoting effective entrepreneurship and usage of appropriate technology that meet national and international needs and standards through skills and practical oriented training, research and consultancy.

1.4.3 UNIVERSITY OBJECTIVES

- i. To offer training in science and technology, technical education and other training, thus developing a critical mass of highly trained manpower.
- ii. To formulate plans for the promotion, technological development and improvement of the quality of education and training being offered to students and other stakeholders.
- iii. To promote and encourage innovation, initiative and readiness amongst staff and students in their fields of specialization and study.
- iv. To collaborate with other institutions nationally and internationally in the initiation, promotion and conduct of technical education, science and technology Programmes.
- v. To carry out any other assignments given by the government through its various organs.

1.5 ACCREDITATION

Mbeya University of Science and Technology is fully registered and accredited by the Tanzania Commission for Universities (TCU) to conduct higher education Programmes. However, some of the Programmes at the University are accredited by NACTE.

1.6 MEMBERSHIP

Mbeya University of Science and Technology is a member of the following Institutions.

- i. The Commonwealth Association of Polytechnics in Africa (CAPA)
- ii. Inter University Council for East Africa (IUCEA)
- iii. African Network of Scientific and Technical Institutions (ANSTI).
- iv. Water Net

1.7 SENIOR OFFICERS OF THE UNIVERSITY**Chancellor**

Hon. Pius Msekwa

Chairperson of the University Council

Hon. Zakia Meghji

1.8 MEMBERS OF THE COUNCIL**Prof. Joseph Msambichaka**

Vice Chancellor (ex-officio)

Prof. Godliving Mtui

Deputy Vice Chancellor Academic, Research and Consultancy (ex-officio)

Prof. Justinian Anatory

Deputy Vice Chancellor Planning, Finance and Administration (ex-officio)

Prof. Shukrani Many

University of Dar es Salaam

Prof. Lughano Kusiluka

Public University

Dr. Amos M. Nungu

Ministry of Education, Science and Technology

Dr. Haji Mwevura Haji

State University of Zanzibar

Dr. Lwitiko S. Mwakalukwa

Private Sector

Dr. Asheri Mwidege

Chairman of MUST Academic Staff Association (MUSTASA)

Deogratius Japhet Machupa

President of MUST Students' Organization (MUSTSO)

Ms. Anna Mbelwa

Ministry of Finance

Mr. Emmanuel Mwangomo

Chairman, Tanzania Higher Learning Institutions Trade Union (THTU) –MUST

Ms. Saumu Mruke

Corporate Counsel

1.9 EXECUTIVE OFFICERS OF THE UNIVERSITY

Vice-Chancellor (VC)

Prof. Joseph J. Msambichaka- PhD (Dortmund), MSc. (UDSM), BEng. (Mysore)

Prof. Godliving Mtui

Deputy Vice Chancellor Academic, Research and Consultancy (ex-officio)

Prof. Justinian Anatory

Deputy Vice Chancellor Planning, Finance and Administration (ex-officio)

Principal of College of Engineering and Technology

Dr. Zacharia Saimon Katambara - PhD (WITS), MSc Eng. (UDSM), BSc Eng (UDSM)

Principal of Institute of Science and Technology

Dr. Alexander N. Mtawa – PhD (CPUT, SA), MSc (Sofia Bulgaria), FTC Mech.Eng. (ATC)

Dean of School of Humanities and Business Studies

Dr. Visent T. Kipene – PhD (SUA), MBA (SUA), Bsc Ed (SUA), Dip.Ed. (Monduli)

Principal of College Of Science and Technical Education

Dr. John P. John - PhD. Energy Eng. (Berlin Tech. University-Germany), MSc. Elect. Eng. (UDSM), B. Eng. Elect. (DIT), FTC. (ATC)

Principal Rukwa Campus

Dr. Duncan A. Mwakipesile – PhD (UDSM), Msc (RUSSE-BULGARIA), Bsc (RUSSE-BULGARIA)

Director of Undergraduate Studies

Dr. Idasi Kiondo Mweteni – PhD Arch. (ARU) M.Eng. Theory of Arch & History (Tongji China), Adv.Dip.Arch. (Ardhi Inst), FTC (DTC)

Director of Administration and Human Resource Management

Ms. Devotha M. Msuya Masters (Mzumbe), Bachelor (Mzumbe)

Head of Quality Assurance and Quality Control

Ms. Albentina Mwakibete –Masters (MZUMBE), Bachelor (UDSM)

Chief Internal Auditor

Mr. Deusdedit Sinda-CPA (T), PGD Finance Management (IFM), ADA (IFM)

Chief Accountant

Mr. Shwaibu Shaban-CPA (T), PGD Finance Management (IFM), ADA (IFM)

Director of Planning and Development

Mr. Cornel Msemwa-MBA (SUA), BSc. FST (SUA)

Dean of Students

Mr. Auguste Matem – MA in Ed. (UDOM) BSc. Ed. (UDSM) Dip.Ed. (MKWAWA)

Director of Library Services

Mr. Novatus Luanda – MA. (UDSM), BA. (UDSM), DIP (NYEGEZI)

Ag. Director of Centre of Networking and Computing

Mr. Imani Mwalumbwe-MSc (UDSM), MBA (Coventry Univ), PGD (UDSM), Adv.Diploma (IFM)

Head of Postgraduate Studies, Research and Publication

Ms. Juliana Mbuke - MSc (HUST, CHINA), BSc (IFM)

Director of Must Consultancy Bureau

Dr. Duwa Hamis Chengula – PhD (KASSEL), Masters (UDSM), Bsc (UDSM), FTC (MTC)

Corporate Counsel

Ms. Saumu I. Mruke – LLM (RUAHA), LLB (MZUMBE)

1.10 ACADEMIC ORGANS

Mbeya University of Science and Technology consists of two Colleges, one School, one Institute and three Centres.

1.10.1 DEPARTMENTS UNDER THE COLLEGE OF ENGINEERING AND TECHNOLOGY

- i. Department of Information and Communication Technology
- ii. Department of Electronics and Telecommunication Engineering
- iii. Department of Energy and Production Engineering
- iv. Department of Built Environment Engineering
- v. Department of Settlement Planning and Designing Technology

1.10.2 DEPARTMENTS UNDER THE INSTITUTE OF SCIENCE AND TECHNOLOGY

- i. Department of Architecture
- ii. Department of Civil Engineering
- iii. Department of Computer Engineering
- iv. Department of Electrical and Electronic Engineering
- v. Department of Mechanical Engineering
- vi. Department of Science and Business Management

1.10.3 DEPARTMENT UNDER THE SCHOOL OF HUMANITIES AND BUSINESS STUDIES

- i. Department of Business Studies

1.10.4 DEPARTMENT UNDER COLLEGE OF SCIENCE AND TECHNICAL EDUCATION

- i. Department of Natural Science
- ii. Department of Health Science and Technology
- iii. Department of Education and Psychology

1.11 CONTACT ADDRESSES AND TELEPHONE NUMBERS**General Administration Mbeya University of Science and Technology**

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Information, Education and Communication Office

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Fax: 255 (0) 25 250 2302

E-mail: ieco@mustnet.ac.tz

1.12 QUALITY ASSURANCE AND QUALITY CONTROL

The University has in place a Quality Assurance Policy that aims at:

- i. Improving the quality of the University functions including educational Programmes, human resources, finance and information technology, improving information management strategic planning, enhancing international relations and marketing.
- ii. Ensuring that the stated student learning outcomes are realized and
- iii. Ensuring that the university goals given in the University vision and mission are realized.

The University has appropriate academic standards through its quality control guidelines which aim at achieving excellence in career education, research and consultancy.

1.13 INSTITUTIONAL COLLABORATION

The University collaborates with peer universities and other higher learning institutions. Currently the University is collaborating with Lilongwe Technical College of Malawi, Kilimanjaro International Institute of Telecommunications, Electronics and Computer (KIITEC), Commonwealth of Learning (COL), Bielefeld University of Applied Science of Germany, Technical University of Dortmund of Germany, Dar es Salaam

Institute of Technology (DIT), Tanzania Atomic Energy Commission (TAEC), Sokoine University of Agriculture (SUA), Mbeya Referral Hospital (MRH) and Arusha Technical College (ATC).

1.14 STUDENTS SERVICES

1.14.1 MEDICAL SERVICES

The University has a Dispensary which provides clinical and health services. The Dispensary has full-time Medical Staff who attend students and University staff as well as the neighbouring community.

All students are required to join the National Health Insurance Fund (NHIF) which guarantees medical treatment at the University Dispensary and elsewhere.

All new students are required to furnish the University with a medical report, including a chest X-ray from a recognized medical practitioner or medical officer for registration.

1.14.2 STUDENTS WELFARE

The Office of the Dean of Students is responsible for students' administration, personal and social welfare of the students at the University. The Dean of Students is assisted by matrons/wardens, student's counsellors and janitors.

The Office of the Dean of Students also provides the following facilities: residence, games and sports. The Dean of Students oversees the activities of students' organizations and provides general guidance and counselling in social and religious issues.

1.14.3 RESIDENCE

During a semester session, students may either be accommodated in University hostels or find their own accommodation outside the campus. Students who secure University accommodation are obliged to pay accommodation fees at an authorized rate. All payments for accommodation in University hostels shall be made in advance and no student shall be accommodated without full payment of accommodation fee.

Mbeya University of Science and Technology has four (4) hostel blocks which can accommodate about 2100 students. Priority for in-campus accommodation is given to government sponsored Ordinary Diploma students, female students, foreign students and those with disabilities. Regardless of the Programme one is undertaking, the University will not offer accommodation for students with children; such students will be required to look for their own accommodation off campus. All students will be required to observe the student bylaws.

1.14.4 MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY STUDENT ORGANIZATION (MUSTSO)

Formal student activities are administered by the Mbeya University of Science and Technology Students Organization (MUSTSO). The organization deals with students' academic, social and recreational activities. Every MUST student is automatically a member of MUSTSO. The students' organization shall address itself to aspects of representing students' interest in various decision making bodies such as College/Institute/School boards, Senate and University Council. MUSTSO under leadership of its Chairperson is a formal active voice of students, within and outside the University.

Under MUSTSO there are other affiliated organizations such as religious and foreign students' organizations.

1.14.5 GAMES AND SPORTS

The University has sports facilities that include football grounds, volleyball, tennis, netball, basketball and badminton courts. Students are therefore encouraged to participate in athletics, jogging, table tennis, football, basketball, netball and badminton. Mbeya University of Science and Technology, takes part in sports and games competitions organized by various sports bodies, such as the East African University Games (EAUG), East, Central and Southern African Universities Sports Association (ECSAUSA), the Federation of African University Sports (FASU) and Federation of International University Sports (FISU), Shirikisho la Michezo ya Vyuo vya Elimu ya Juu Tanzania (SHIMIVUTA).

1.14.6 CATERING SERVICES

Catering services at the University are free for Ordinary Diploma government sponsored students. The services are commercialized for all other students. Under commercialization, students are required to pay for their meals. The cafeteria services are outsourced to private catering service providers approved by the University to give the meal service to students. Students are not allowed to cook in the halls of residence and therefore are required to use the catering services approved by the University.

1.14.7 RELIGIOUS ACTIVITIES

Religious facilities and services are available on campus for various denominations.

1.14.8 BANKING SERVICES

Financial facilities include Automatic Teller Machines (ATMs) installed within the campus. Other services include money transfer facilities provided by major mobile phone companies. Bank services are provided by various banks located in the city centre.

1.14.9 UNIVERSITY LIBRARY

MUST Library contain various book collections catering for various courses in the fields of Engineering, Science, Technology, Business and Economics. The Library publishes quarterly access information as well as Library Rules and Guidelines as required. The guidelines are distributed to readers from outside and to new students during the orientation week. All readers are required to abide by the library rules and regulations. In addition, there is provision for access to online library resources (e-Library) and a collection of CD-ROMs (Compact Disc Reads Only Memory) database services.

2.0 UNIVERSITY DEGREE, DIPLOMA AND CERTIFICATE AWARDS

2.1 DEGREES OFFERED BY THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET)

- i. Bachelor degree of Electrical and Electronic Engineering
- ii. Bachelor degree of Mechanical Engineering

- iii. Bachelor degree of Civil Engineering
- iv. Bachelor degree of Computer Engineering
- v. Bachelor of Technology in Architecture

2.2 ORDINARY DIPLOMA AND DEGREE OFFERED BY THE SCHOOL OF HUMANITIES AND BUSINESS STUDIES (SHBS)

- i. Ordinary Diploma in Business Administration
- ii. Bachelor degree of Business Administration

2.3 ORDINARY DIPLOMA AND DEGREE OFFERED BY THE COLLEGE OF SCIENCE AND TECHNICAL EDUCATION (CoSTE)

- i. Ordinary Diploma in Biomedical Equipment Engineering
- ii. Diploma in Technical Education
- iii. Bachelor degree of Science with Education (Chemistry/Biology)
- iv. Bachelor degree of Science with Education (Chemistry/Mathematics)
- v. Bachelor degree of Science with Education (Chemistry/ Physics)
- vi. Bachelor degree of Science with Education (Physics/ Mathematics)
- vii. Bachelor degree of Science in Laboratory Science and Technology
- viii. Postgraduate Diploma in Technical Education

2.4 ORDINARY DIPLOMA OFFERED BY THE INSTITUTE OF SCIENCE AND TECHNOLOGY

- i. Ordinary Diploma in Architecture
- ii. Ordinary Diploma in Electrical and Electronic Engineering
- iii. Ordinary Diploma in Electronics and Telecommunication Engineering
- iv. Ordinary Diploma in Mechanical Engineering
- v. Ordinary Diploma in Mechatronic Engineering
- vi. Ordinary Diploma in Mechanical Engineering with Industrial Safety and Occupational Health.
- vii. Ordinary Diploma in Civil Engineering
- viii. Ordinary Diploma in Mining Engineering
- ix. Ordinary Diploma in Highway Engineering
- x. Ordinary Diploma in Computer Engineering
- xi. Ordinary Diploma in Computer Science

- xii. Ordinary Diploma in Information and Communication Technology
- xiii. Ordinary Diploma in Laboratory Science and Technology
- xiv. Ordinary Diploma in Food Science and Technology

2.5 ORDINARY DIPLOMA OFFERED BY MUST- RUKWA CAMPUS

- i. Ordinary Diploma in Automotive Engineering
- ii. Ordinary Diploma in Civil Engineering
- iii. Ordinary Diploma in Highway Engineering

3.0 ACTIVITIES UNDER THE DEPARTMENT OF DISTANCE AND CONTINUING EDUCATION

- i. Managing and Administering Short courses Programmes.
- ii. Managing and Administering Distance Learning Programmes.
- iii. Managing and administering courses through Flexible Skills Development.

4.0 GRADUATION AWARDS FOR STUDENTS

4.1 ORDINARY DIPLOMA PROGRAMMES

- i. Chancellor's prize: Best Overall Finalist Student
- ii. University Prize: Best Overall Finalist Female Student
- iii. Other Award to be set by the University

4.2 UNDERGRADUATE PROGRAMMES

- i. Chancellor's prize: Best Overall Finalist Student
- ii. University Prize: Best Overall Finalist Female Student
- iii. Other Award to be set by the University

4.3 DEPARTMENTAL PRIZES

Other Prizes from departments may also be given to students based on criteria and award set by the departments.

4.4 OTHER PRIZES

Other Prizes from individuals or institutions may also be given to students based on criteria and award set by the donor.

5.0 FEES AND BURSARIES

Students pursuing Ordinary Diploma Programmes (NTA Level 4-6) may join the University under either Government sponsorship or private sponsorship. Students pursuing Bachelor Programmes (UQF Level 6-8) may apply for scholarships or loans from the Higher Education Students Loan Board (HESLB).

Note: Fees may change due to prevailing circumstances.

The fee structure for Government and privately sponsored students are as shown in the following tables:

5.1 FEE STRUCTURE FOR ORDINARY DIPLOMA

5.1.1 GOVERNMENT SPONSORED STUDENTS

Table 1: Fee structure for Ordinary Diploma government sponsored students in (Tshs)

S/N	Item	NTA 4	NTA 5	NTA 6
1	Tuition fee (cost sharing fee)	130,000	130,000	130,000
2	<i>Other Expenses</i>			
i	Caution money	20,000	-	-
ii	Hiring University mattress	10,000	10,000	10,000
iii	Hiring University bed	10,000	10,000	10,000
iv	Library membership fees	30,000	30,000	30,000
v	Examinations fee	50,000	50,000	50,000
vi	Certification	40,000	-	-
vii	Students' Organization fee	10,000	10,000	10,000
viii	Registration fee	10,000	10,000	5,000
ix	Student's Identity Card	5,000	-	-
x	Medical Contribution (NHIF)	50,400	50,400	50,400
xi	Capitation fee	10,000	10,000	10,000
xii	Prospectus	3,000	-	-
xiii	NACTE Registration	15,000	15,000	15,000
			195,400	190,400
	Subtotal ; Other Expenses	263,400	325,400	320,400
	Total fees	393,400	NTA 5	NTA 6

5.1.2 PRIVATE SPONSORED STUDENTS

Table 2: Fee structure for Ordinary Diploma in Engineering, Architecture and Sciences Courses (NTA4) private sponsored students in (Tshs)

S/N	Item	In campus		Off campus
		<i>Meals and accommodation</i>	<i>Accommodation Only</i>	

1	Tuition fee	900,000	900,000	900,000
2	<i>Other Expenses</i>			
i	Meal Costs	1,176,000		
ii	Accommodation	107,100	107,100	
iii	Caution money	20,000	20,000	20,000
iv	Library membership fees	30,000	30,000	30,000
v	Examinations fee	50,000	50,000	50,000
vi	Certification	40,000	40,000	40,000
vii	Students’ Organization fee	10,000	10,000	10,000
viii	Registration fee	10,000	10,000	10,000
ix	Student’s Identity Card	5,000	5,000	5,000
x	Medical Contribution (NHIF)	50,400	50,400	50,400
xi	Capitation fee	10,000	10,000	10,000
xii	Prospectus	3,000	3,000	3,000
xiii	NACTE Registration	15,000	15,000	15,000
	Sub-total ; Other Expenses	1,526,500	350,500	243,400
	Total fees	2,426,500	1,250,500	1,143,400

Table 3: Fee structure for Ordinary Diploma in Business Administration Course (NTA4) private sponsored students in (Tshs)

S/N	Item	In campus		Off campus
		<i>Meals and accommodation</i>	<i>Accommodation Only</i>	
1	Tuition fee	700,000	700,000	700,000
2	<i>Other Expenses</i>			
I	Meal Costs	1,176,000	-	-
Ii	Accommodation	107,100	107,100	-
iii	Caution money	20,000	20,000	20,000
Iv	Library membership fees	30,000	30,000	30,000
V	Examinations fee	50,000	50,000	50,000
Vi	Certification	40,000	40,000	40,000
Vii	Students’ Organization fee	10,000	10,000	10,000
viii	Registration fee	10,000	10,000	10,000
Ix	Student’s Identity Card	5,000	5,000	5,000
X	Medical Contribution (NHIF)	50,400	50,400	50,400
Xi	Capitation fee	10,000	10,000	10,000
Xii	Prospectus	3,000	3,000	3,000
Xiii	NACTE Registration	15,000	15,000	15,000

	Sub-total ; Other Expenses	1,526,500	350,500	243,400
	Total fees	2,226,500	1,050,500	943,400

Table 4: Fee structure for Ordinary Diploma in Engineering, Architecture and Sciences Courses (NTA 5) private sponsored students in (Tshs)

S/N	Item	In campus		Off campus
		Meals and accommodation	Accommodation only	
1	Tuition fee	900,000	900,000	900,000
2.0	Other Expenses			
I	Meal Costs	1,142,400	-	-
Ii	Accommodation	107,100	107,100	-
Iii	Caution money	-	-	-
Iv	Library membership fees	30,000	30,000	30,000
V	Examinations fee	50,000	50,000	50,000
Vi	Certification	-	-	-
vii	Students' Organization fee	10,000	10,000	10,000
viii	Registration fee	10,000	10,000	10,000
Ix	Student's Identity Card	-	-	-
X	Medical Contribution (NHIF)	50,400	50,400	50,400
xi	Capitation fee	10,000	10,000	10,000
xii	Prospectus	-	-	-
xiii	NACTE Registration	15,000	15,000	15,000
	Sub-total ; Other Expenses	1,424,900	282,500	175,400
	Total fees	2,324,900	1,182,500	1,075,400

Table 5: Fee structure for Ordinary Diploma in Business Administration Course (NTA5) private sponsored students in (Tshs)

S/N	Item	In campus		Off campus
		Meals and accommodation	Accommodation Only	
1	Tuition fee	700,000	700,000	700,000
2	Other Expenses			
I	Meal Costs	1,142,400	-	-
Ii	Accommodation	107,100	107,100	-
Iii	Caution money	-	-	-

Iv	Library membership fees	30,000	30,000	30,000
V	Examinations fee	50,000	50,000	50,000
Vi	Certification	-	-	-
Vii	Students' Organization fee	10,000	10,000	10,000
viii	Registration fee	10,000	10,000	10,000
Ix	Student's Identity Card	-	-	-
X	Medical Contribution (NHIF)	50,400	50,400	50,400
Xi	Capitation fee	10,000	10,000	10,000
xii	Prospectus	-	-	-
xiii	NACTE Registration	15,000	15,000	15,000
	Sub-total ; Other Expenses	1,424,900	282,500	175,400
	Total fees	2,124,900	982,500	875,400

Table 6: Fee structure for Ordinary Diploma in Engineering, Architecture, Sciences and Business Administration Courses
(NTA 6) private sponsored students in (Tshs)

S/N	Item	In campus		Off campus
		Meals and accommodation	Accommodation only	
1	Tuition fee	900,000	900,000	900,000
2.0	Other Expenses			
I	Meal Costs	1,142,400	-	-
Ii	Accommodation	107,100	107,100	-
Iii	Caution money	-	-	-
Iv	Library membership fees	30,000	30,000	30,000
V	Examinations fee	50,000	50,000	50,000
Vi	Certification	-	-	-
vii	Students' Organization fee	10,000	10,000	10,000
viii	Registration fee	5,000	5,000	5,000
Ix	Student's Identity Card	-	-	-
X	Medical Contribution (NHIF)	50,400	50,400	50,400
xi	Capitation fee	10,000	10,000	10,000
xii	Prospectus	-	-	-
xiii	NACTE Registration	15,000	15,000	15,000
	Sub-total ; Other Expenses	1,419,900	277,500	170,400
	Total fees	2,319,900	1,177,500	1,070,400

5.2 FEES STRUCTURE FOR BACHELOR DEGREE PROGRAMME FULL-TIME STUDENTS

5.2.1 COSTS PAYABLE TO THE UNIVERSITY BY BACHELOR DEGREE IN ENGINEERING AND ARCHITECTURE STUDENTS (3 YEARS PROGRAMMES)

Table 7: University's Fees and Other Expenses for Bachelor Degree students under 3 years programme in (Tshs)

S/N	Description	UQF 7-I (2 nd Year)	UQF 7-II (3 rd Year)	UQF 8 (4 th Year)
1.0	Cost Sharing Fee	1,100,000	1,100,000	1,100,000
2.0	Other Expenses			
i.	Caution Money	20,000	-	-
ii.	Hiring University's Mattress			
iii.	Hiring University's Bed	107,100	107,100	107,100
iv.	Library Membership	30,000	30,000	30,000
v.	Examination Fee	120,000	120,000	120,000
i.	Certification	40,000	-	-
ii.	Students' Organization	10,000	10,000	10,000
iii.	Registration	10,000	10,000	5,000
iv.	Student's Identity Card	5,000	-	-
v.	Medical Contribution (NHIF)	50,400	50,400	50,400
vi.	Capitation fee	10,000	10,000	10,000
vii.	Prospectus	3,000	-	-
viii.	Quality Assurance fee (TCU)	20,000	20,000	20,000
ix.	Sub-total; Other Expenses	420,500	357,500	357,500
	Total fees (Shs)	1,525,500	1,457,500	1,452,500

*Note: *The amount set for the final project is determined by the HESLB*

5.2.2 COSTS PAYABLE TO THE UNIVERSITY BY BACHELOR DEGREE IN ENGINEERING AND ARCHITECTURE STUDENTS (4YEARS PROGRAMMES)

Table 8: University's Fees and Other Expenses for bachelor degree students under 4 years programme in (Tshs)

S/N	Description	UQF 6 (1 st Year)	UQF7-I (2 nd Year)	UQF 7-II (3 rd Year)	UQF 8 (4 th Year)
1.0	Cost Sharing Fee	1,100,000	1,100,000	1,100,000	1,100,000
2.0	Other Expenses				
i.	Caution Money	20,000	-	-	-
ii.	Hiring University's Mattress*	107,100	107,100	107,100	107,100
iii.	Hiring University's Bed				
iv.	Library Membership	30,000	30,000	30,000	30,000
v.	Examination Fee	120,000	120,000	120,000	120,000
vi.	Certification	40,000	-	-	-
vii.	Students' Organization	10,000	10,000	10,000	10,000
viii.	Registration	10,000	10,000	5,000	5,000
ix.	Student's Identity Card	5,000	-	-	-
x.	Medical Contribution	50,400	50,400	50,400	50,400
xi.	Medical Capitation	10,000	10,000	10,000	10,000
xii.	Prospectus	3,000	-	-	-
xiii.	Quality Assurance fee (TCU)	20,000	20,000	20,000	20,000
	Sub-total; Other Expenses	425,500	357,500	352,500	352,500
	Total (Shs)	1,525,500	1,457,500	1,452,500	1,452,500

Table 9: University's Fees and Other Expenses for bachelor degree students in Business Administration in (Tshs)

S/N	Description	UQF 7-I (2 nd Year)	UQF 7-II (3 rd Year)	UQF 8 (4 th Year)
1.0	Cost Sharing Fee	800,000	800,000	1,100,000
2.0	Other Expenses			
vi.	Caution Money	20,000	-	-
vii.	Hiring University's Mattress	107,100	107,100	107,100
viii.	Hiring University's Bed			
ix.	Library Membership	30,000	30,000	30,000
x.	Examination Fee	120,000	120,000	120,000
x.	Certification	40,000	-	-
xi.	Students' Organization	10,000	10,000	10,000
xii.	Registration	10,000	10,000	5,000
xiii.	Student's Identity Card	5,000	-	-
xiv.	Medical Contribution (NHIF)	50,400	50,400	50,400
xv.	Capitation fee	10,000	10,000	10,000

xvi.	Prospectus	3,000	-	-
xvii.	Quality Assurance fee (TCU)	20,000	20,000	20,000
xviii.	Sub-total; Other Expenses	425,500	357,500	352,500
	Total fees (Shs)	1,225,500	1,157,500	1,452,500

5.2.3 COSTS PAYABLE DIRECTLY TO THE STUDENTS BY SPONSORS

Table 10: Costs payable direct to the students by sponsors for Bachelor Degree in Engineering and Architecture 3 Years Programmes in (Tshs)*

S/N	Description	UQF 7-I	UQF-II	UQF 8
1	Industrial Practical Training (IPT)	700,000	700,000	-
2	Book / Stationery costs	200,000	200,000	200,000
3	Final project Printing	0	0	120,000
4	Special faculty requirements	300,000	300,000	120,000
5	Accommodation and Meals Allowance	1,837,500	1,785,000	1,785,000
6	Transport fare to attend IPT	Variable	Variable	
	TOTAL	3,037,500	2,985,000	2,225,000

Table 11: Costs payable direct to the students by sponsors for Bachelor Degree in Engineering and Architecture 4 Years Programmes in (Tshs)

S/N	Description	UQF 6	UQF 7-I	UQF-II	UQF 8
1	Industrial Practical Training	700,000	700,000	700,000	-
2	Book / Stationery costs	200,000	200,000	200,000	200,000
3	Final project Printing	0	0	0	120,000
4	Special faculty requirements	300,000	300,000	300,000	120,000
5	Accommodation and Meals costs	1,837,500	1,785,000	1,785,000	1,785,000
6	Transport fare to attend IPT	Variable	Variable	Variable	
	TOTAL	3,037,500/=	2,985,000/=	2,985,000/=	2,225,000/=

**Amounts stated in Table 10 and 11 reflect the minimum requirements. Sponsors are free to pay their students according to their ability.*

**5.2.4 UNIVERSITY FEE STRUCTURE FOR FOREIGN STUDENTS FOR ACADEMIC YEAR 2018/2019
(FEES AND OTHER DIRECT COSTS PAYABLE TO THE UNIVERSITY)**

		Diploma Programmes			Bachelor Degree Programmes UQF 6-8			
		NTA 4	NTA 5	NTA 6	Year 1	Year 2	Year 3	Year 4
S/N	ITEM	USD	USD	USD	USD	USD	USD	USD
	Tuition fee (per year)	1,840	1,840	1,840	2,000	2,000	2,000	2,000
	Application fee	30	-	-	30	-	-	-
	Other direct University fee –per year (<i>Caution money, Library membership fees, Examinations fee, Certification, Students’ Organization fee, Registration fee, Student’s Identity Card, Medical Contribution (NHIF), Student’s Relief Fund, Prospectus, NACTE Registration</i>)	500	450	450	500	450	450	450
	TOTAL	2,370	2,290	2,290	2,530	2,450	2,450	2,450

5.2.4.1 INDICATIVE STIPEND AND OTHER ALLOWANCES PAYABLE TO FOREIGN STUDENTS

S/N	ITEM	Diploma Programmes	Bachelor Degree Programmes UQF 6-8
		USD	USD
1	Accommodation (Annually)	300	300
2	Meals (Annually)	1,500	1,500
3	Books and stationery allowance (Annually)	500	800
	GRAND TOTAL	2,300	2,600

5.3 INSTALLMENTS PAYABLE

The tuition fee may be paid in two instalments, one at the beginning of each semester; while all other fees must be paid in full at the beginning of each academic year. All payments are made directly to the University Bank Account before the students can be registered for studies.

6.0 GENERAL ADMISSION REQUIREMENTS

6.1 GENERAL PROVISIONS

- i. Admission to the University is open to bona fide students or persons meeting the entry requirements. Such persons shall be required to go through registration formalities to confirm their status as bona fide students.
- ii. To be admitted in the first year of study in Mbeya University of Science and Technology one must have relevant certificates entitling him/her to go for the course he/she has applied for and duly approved by the relevant authority or have other qualifications considered equivalent by the University.
- iii. A student from a similar institution wishing to be admitted into the second year of study at MUST, must have passed all examinations in the relevant Programmes in the preceding year of study.
- iv. No student from another institution shall be admitted to the third or final year of study at Mbeya University of Science and Technology.
- v. A student, who has been admitted and does not report for registration in a particular year, may re-apply for admission during the following year provided the admission requirements remain the same.
- vi. An Ordinary Diploma Student who postponed studies for more than two academic years or absconded studies according to university examination regulations number 16.1.24 shall be required to apply for re-admission by paying an application fee and filling the respective form. The university will evaluate the application and make decision.
- vii. A Bachelor Degree Student who postponed studies for more than two years or absconded studies according examination regulations 10.1.21 and stayed out of the university for more than two years shall be required to re-apply for admission through the central admission system under TCU.

6.2 APPLICATION FEES

Applicants must pay an application fee to be determined by the Council from time to time. All Application fees shall be payable to the University Bank Account:

The Online Application Forms must reach the University Admission Office not later than the deadline set for application submission in the online system, and the Duly Filled Application Forms may be sent through the following address:

The Vice-Chancellor,

Mbeya University of Science and Technology,

P.O. Box 131

Mbeya, Tanzania.

6.3 PAYMENT OF FEES

Students will only be registered upon payment of prescribed fees whose amount shall be determined from time to time.

6.4 GUARANTEE OF SPONSORSHIP

Applications can only be considered once the University receives satisfactory evidence that the student will be adequately financed during his or her course at the University. Applicants who are in need of assistance to meet the University fees and expenses should seek bursaries from funding organizations.

6.5 MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY ACADEMIC YEAR

The academic year for Ordinary Diploma and Bachelor Degree Programmes will begin in October every year, otherwise stated differently, and shall end as indicated by the University Academic Almanac.

6.6 REGISTRATION DEADLINE

Deadline of registration for all beginners shall be **two weeks** after the first day of Orientation Week. The deadline of registration for continuing students shall be **two weeks** after the University opens. All beginners shall have to submit original certificates on the registration day and must attend orientation week without missing.

6.7 CHANGE OF COURSES

Except in exceptional circumstances, no student under Diploma and Bachelor Programmes will be allowed to change courses later than **three weeks** after the beginning of the first semester for the undergraduate students and the **second week** of the quarter of the Programme of study for graduate students.

For Bachelor degree students, change of programmes shall only be accepted after receiving approval from TCU.

6.8 STUDENTS' NAMES

No change of names by students will be permitted during the course of study at the University and students will only be allowed to use names appearing on certificates which qualified them for admission.

6.9 POSTPONEMENT OF STUDIES

No student is allowed to postpone studies after commencement of academic year, except under special circumstances. Permission to postpone studies will be considered after producing satisfactory evidence for the reasons of postponement and producing a written approval from ones sponsor.

A student who has postponed studies shall be allowed to be away from studies for a **maximum of two academic years only** if she/he is to be allowed for registration to the same year of study. Otherwise, the student will be required to apply afresh for re-admission.

6.10 ADMISSION REQUIREMENTS FOR ORDINARY DIPLOMA PROGRAMMES**6.10.1 ENTRY REQUIREMENTS**

Applicants may join Ordinary Diploma Programmes through direct entry scheme.

6.10.2 DIRECT ENTRY REQUIREMENTS**● For students applying for Technology in Architecture**

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, three of which must be Mathematics, Physics, Chemistry/Geography

OR

Possession of Certificate of Secondary Education Examination (CSEE) from Technical Secondary Schools with a pass in at least four (4) non-Religious subjects, three of which must be Mathematics, Engineering Science, Chemistry and any one of the following subjects: Architectural Drafting/Building Construction, Electrical Engineering Science/Electrical Drafting, Workshop Technology/Mechanical Drafting.

OR

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two of which must be among the following subjects: Mathematics, Physics, Chemistry/Geography with possession of TRADE TEST GRADE I / NVA LEVEL III issued by VETA.

● For students applying Engineering Courses

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, three of which must be Mathematics, Physics, Chemistry

OR

Possession of Certificate of Secondary Education Examination (CSEE) from Technical Secondary Schools with a pass in at least four (4) non-Religious subjects, three of which must be Mathematics, Engineering Science, Chemistry and any one of the following subjects: Architectural Drafting/Building Construction, Electrical Engineering Science/Electrical Drafting, Workshop Technology/Mechanical Drafting.

OR

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two must be among the following subjects: Physics, Chemistry and Mathematics with possession of TRADE TEST GRADE I / NVA LEVEL III issued by VETA.

● For students applying for Computer Science or Information and Communication Technology

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two of which must be Mathematics and English

OR

Possession of Certificate of Secondary Education Examination (CSEE) from Technical Secondary Schools with a pass in at least four (4) non-Religious subjects, two of which must be Mathematics and

English and any two of the following subjects: Engineering Science/Chemistry, Architectural Drafting/Building Construction, Electrical Engineering Science/Electrical Drafting, Workshop Technology/Mechanical Drafting.

OR

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two must be among the following subjects: Mathematics, Physics, Chemistry, English with possession of TRADE TEST GRADE I / NVA LEVEL III issued by VETA.

● **For students applying for Biomedical Equipment Engineering and Laboratory Science and Technology**

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects in Mathematics, Physics, Chemistry and Biology.

OR

Possession of Certificate of Secondary Education Examination (CSEE) from Technical Secondary Schools with a pass in at least four (4) non-Religious subjects, Mathematics, Engineering Science, Chemistry and Biology.

OR

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two must be among the following subjects: Mathematics, Physics, Chemistry, Biology with possession of TRADE TEST GRADE I / NVA LEVEL III issued by VETA.

● **For students applying for Food Science and Technology**

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least Four (4) non-Religious subjects three of which must be Mathematics, Physics/Chemistry and Biology.

OR

Possession of Certificate of Secondary Education Examination (CSEE) from Technical Secondary Schools with a pass in at least four (4) non-Religious subjects, , three of which must be Mathematics, Engineering Science/Chemistry and Biology and any one of the following subjects: Architectural Drafting/Building, Construction, Electrical Engineering Science/Electrical Drafting, Workshop Technology/Mechanical Drafting.

OR

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects, two must be among the following subjects: Mathematics, Physics, Chemistry, Biology with possession of Trade Test Grade I / NVA Level III issued by VETA.

● **For students applying for Ordinary Diploma in Business Administration**

Possession of Certificate of Secondary Education Examination (CSEE) with a pass in at least four (4) non-Religious subjects.

6.10.3 ADMISSION REQUIREMENTS FOR BACHELOR DEGREE PROGRAMMES

The following are the minimum entry requirements for Bachelor Degrees:

S/N	Programme	Admission requirements: Form VI	Admission requirement: Diploma(Teacher Education or NTA Level 6)	Specific Requirements	Minimum Institutional Admission points For Form VI	Programmes Duration (years)
1	Bachelor of Business Administration	Any Two principal passes including subsidiary in Mathematics at Level or pass level	Holders of Ordinary Diploma (NTA Level 6) in Business Management or Business Administration, or Education, Engineering, Law, Accountancy, Marketing with at least a GPA of 3.0	5 passes at O' level	4.0	3 years
2	Bachelor of Civil Engineering	Two passes in Mathematics, Physics and Chemistry	Holders of Ordinary Diploma (NTA Level 6) in Civil or Transportation or Water Supply and Sanitation (Bias in Construction) or Civil and Irrigation Engineering with at least a GPA of 3.0 OR Full Technician Certificate (FTC)) in Civil or Transportation Management or Water Supply and Sanitation (with a Bias in Construction) or Civil and Irrigation Engineering with at least average of C grade at 3.0 points	One of the passes must be in Mathematics 5 passes at O' level	4.0	3 years for Ordinary diploma 4 years for Form VI
3	Bachelor of Electrical & Electronics Engineering	Two passes in Mathematics, Physics and Chemistry	Holders of Ordinary Diploma (NTA Level 6) in Electrical or Electronics and Telecommunication Engineering with at least a GPA of 3.0	One of the passes must be in Mathematics	4.0	3 years for Ordinary diploma

S/N	Programme	Admission requirements: Form VI	Admission requirement: Diploma(Teacher Education or NTA Level 6)	Specific Requirements	Minimum Institutional Admission points For Form VI	Programmes Duration (years)
			OR Full Technician Certificate (FTC)) in Electrical or Electronics and Telecommunication Engineering with at least average of C grade at 3.0 points	5 passes at O' level		4 years for Form VI
4	Bachelor of Technology in Architecture	Two passes in Mathematics, Physics and Chemistry or Geography OR Two passes in Mathematics, Economics and Geography	Holders of Ordinary Diploma (NTA Level 6) in Architecture or Engineering with at least a GPA of 3.0 OR Full Technician Certificate (FTC)) in Architecture or Civil Engineering, all with at least average of C grade at 3.0 points	One of the passes must be in Mathematics 5 passes at O' level	4.0	3 years for Ordinary diploma 4 years for Form VI
5	Bachelor of Mechanical Engineering	Two passes in Mathematics, Physics and Chemistry	Holders of Ordinary Diploma (NTA Level 6) in Mechanical or Automotive or Automobile or Autoelectric and Electronics Engineering with at least a GPA of 3.0 OR Full Technician Certificate (FTC)) in Mechanical or Automotive or Automobile Engineering with at least average of C grade at 3.0 points	One of the passes must be in Mathematics 5 passes at O' level	4.0	3 years for Ordinary diploma 4 years for Form VI

S/N	Programme	Admission requirements: Form VI	Admission requirement: Diploma(Teacher Education or NTA Level 6)	Specific Requirements	Minimum Institutional Admission points For Form VI	Programmes Duration (years)
6	Bachelor of Computer Engineering	Two passes in Mathematics, Physics and Chemistry	Holders of Ordinary Diploma (NTA Level 6) in Computer Engineering/Science with at least a GPA of 3.0 OR Full Technician Certificate (FTC)) in Computer Engineering/Science with at least average of C grade at 3.0 points	One of the passes must be in Mathematics 5 passes at O' level	4.0	3 years for Ordinary diploma 4 years for Form VI

7.0 UNIVERSITY GENERAL REGULATIONS

Upon admission all first year students must obtain and thoroughly read the following:

- i. Students' By-laws.
- ii. Conditions for Government Sponsorship
- iii. Examination Regulations.
- iv. Library Regulations
- v. Industrial Practical Training Regulations
- vi. Constitution of MUSTSO
- vii. Any Other Relevant Rules and Regulations of the University

Any of these regulations can be obtained from the Director of Undergraduate Studies, Dean of Students, or Heads of respective Departments and University Library. Students can also access these Regulations directly from MUST website: www.mustnet.ac.tz

8.0 COURSES OFFERED IN VARIOUS PROGRAMMES

8.1 INSTITUTE OF SCIENCE AND TECHNOLOGY (IST)

8.1.1 ARCHITECTURE DEPARTMENT

Programmes

The Department offers one (1) Programmes:

- i. Ordinary Diploma in Architecture

8.1.1.1 LIST OF STAF

Emmanuel J. Liombo Master of Arch (Nairobi University), B. Arch (UDSM)

(Head of Department)

Assistant lecturers

Juma N. Julius MBA in Marketing (UoI), B. Arch (UDSM), Dip. Ed (KLERRUU)

Benjamin M. John B. Arch (UDSM), MSc. Housing (Ardhi University)

Arnold K. Kashula B. Arch (UDSM), MSc. Housing (Ardhi University)

Benson V. Karumuna B. Arch (ARU), M. Eng. Arch. (Chongqing University)

* Ally A. Ally Msc. Const. Mangt (ARU), BSc. BE (UDSM), Dip-Ed (ALHARAMAIN)

Tutorial Assistants

*Ibrahim M. Charles B. Arch (UDSM)

*Shija P. Ng'wandu B. Tech-Arch (MUST)

Oscar J. Shiganza BSc. Civil (ST. JOSEPH UNIVERSITY)

Marco D. Nassary B. Tech-Arch (MIST)

Frank P. Mnyanyi B.Tech-Arch (MUST), TECH-ARCH (MTC).

*Rosemary E. Kavishe BSc. Civil (ST. JOSEPH UNIVERSITY)

*Kamugisha J. Kajumulo B. Arch (UDSM)

*Blasius K. Venance B. Tech-Arch (MUST), Dip. Arch (MIST)

Instructors

Gabriel N. Nicomedi BSc. Landscape Arch (ARU)

Elvis F. Lyimo BSc. Landscape Arch (ARU)

Assistant Instructors

Jonas.E. Mwamasage BTA (MUST), Dip-Arch (MUST)

Technicians

Christopher J. Almasi FTC-Arch (MTC)

*On study leave.

8.1.1.2 COURSE MODULES

A. NTA LEVEL 4: Basic Technician in Architecture

Semester I

Fundamental modules		
Module code	Module name	Credit
SBT 04101	Basics of Calculus, Logarithms and Number systems	5
SBT 04102	Introduction to Mechanics	5
SBT 04103	Introduction to Technical Communication	2
COT04105	Basic computer application I	3
Core modules		
ART04108	Introduction to Geometrics	6
ART04102	Force Systems & Properties of Sections	5
ART04103	Water supply in building	5
ART04104	Building elements	7
ART04101	Geometrical drawing and freehand	13
ART04105	Masonry and timber materials	5
TOTAL		56

Semester II

Fundamental modules		
Module code	Module name	Credit
SBT 04201	Polynomials, Matrices and Binomial theorem	5
SBT 04202	Essentials of Mechanics	5
SBT04210	Fundamentals of English Grammar	2
BT 04203	Basic computer application II	2
Core modules		
ART04207	Basics of Auto CAD	4
ART04209	Elasticity and Analysis of Structure	4
ART04210	Waste disposal systems in buildings	4
ART04206	Architectural Design Principles	6
ART04211	Site organization	6
ART04212	Architectural graphics	12
ART04213	Cement and paints Materials	5
ART04214	Basic substructure and superstructure construction	4

ART04215	Practical Site Works	10
TOTAL		69

B. NTA LEVEL 5: Technician in Architecture

Semester I

Fundamental Modules		
Module code	Module Name	Credit
SBT 05101	Linear programming and Trigonometry	6
SBT 05102	Waves and Oscillations	6
SBT 05103	Technical Communication skills	2
SBT 05104	Entrepreneurship and development	2
GST05105	Basic computer Application III	2
Core modules		
ART05101	Basics of Structural Design	5
ART05103	Metal, Plastics and Glass Technology	5
ART05107	Arch CAD Application in Draughting	4
ART05105	Design of Single Storey Buildings	10
ART05108	Electrical Systems in Buildings	4
ART05110	Vertical communication in Buildings	4
ART05112	Laws, Ethical Conducts & Liabilities	4
ART05114	Pre-Historic Ages & Ancient Architecture	6
ART05116	Space & Ordering Principles	5
TOTAL		65

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical properties and fluid mechanics	6
SBT 05203	Fundamentals of technical communication	2
SBT 05204	Entrepreneurship and intellectual property	2
GST05205	Basic computer Application IV	2
Module Code	Core Modules	
ART05202	Concrete Reinforcement Technology	6
ART05204	Finishes Building Materials	6
ART05206	Design of Multi – storey Buildings	10
ART05209	Mechanical Movement & Ventilation System in Building	4

ART05211	Building Components	6
ART05213	Architectural Office & Registration Process	4
ART05215	Modern and Postmodern Architecture	6
ART05217	Architectural Forms & Theories	5
ART05218	Practical Office Works	10
TOTAL		75

C. NTA LEVEL 6: Diploma in Architecture

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vector and coordinate Geometry	7
SBT 06102	Heat and Thermodynamics	7
SBT 06104	Entrepreneurship	3
COT 06105	Basic Computer Applications V	2
TOTAL		19
Core Modules		
ART06101	Steel and Timber Design	8
ART06102	Openings, Framed and Fire Safety.	7
ART06105	Public Building Scheme Design	16
ART06107	Climatic Design	8
ART06109	Project Planning, Operation & Association	6
		45

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statistics	7
SBT 06202	Organic compounds	7
TOTAL		14
Module Code	Core Modules	
ART06203	Fittings	7

ART06204	Urban Development and Housing	8
ART06206	Public Building Working Drawings	16
ART06208	Thermal Design, Day lighting and Sonic Environment	8
ART06210	Cost Estimates and Tendering	6
TOTAL		45

8.1.2 DEPARTMENT OF CIVIL ENGINEERING

Programmes

The Department offers three (3) Programmes:

- a) Ordinary Diploma in Civil Engineering
- b) Ordinary Diploma in Mining Engineering
- c) Ordinary Diploma in Highway Engineering

8.1.2.1 LABORATORIES AND WORKSHOPS

- i. Pneumatic and Hydraulics laboratory
- ii. Carpentry and Joinery Workshop
- iii. Soil and Materials Testing Laboratory
- iv. Land and Surveying Laboratory
- v. Mining Laboratory

8.1.2.2 LIST OF STAFF

Mr. Omari Shegwando: MSc. Environ. Tech & Managm (ARU), BSc. Environ. Eng. (UDSM)

(Head of Department)

Assistant Lecturers

Mr. Hashimu H. Mnzava- MSc. Mater. Sci Eng, (NMAIST); Bsc. Civil & Str. Eng. (UDSM)
 Mr. Oltingey Lindi- Msc. Petroleum Engineering (Norwegian University of Science and Technology); BSc. Mining (UDSM)
 *Mr. Charles Mtaita Msc. Mining Survey Eng. (Moscow State Mining),

Tutorial Assistants

Mr. Cyriacus J. Rugakingira- BSc. Civil (UDSM); FTC. Civil (DAR TECH)
 Mr. George C. Lyimo- BSc. Civil & Str. Eng. (UDSM); FTC. Civil (ATC)
 Mr. Mathew A. Gwao- BSc. Land Survey (UDSM)
 Mr. Melckzedek Mgimba- BSc. Mining (UDSM)
 Mr. Godfrey Mbungula - BEng (MUST), FTC (DIT)
 Mr Asifiwe Z. Swalo BEng. Civil (MIST), OD. Civil (DIT)

Mr. John P.M. Kachira-	BSc. Ed. (UDSM)
*Mr. Wilson L. Ngole	BSc. Mining (UDSM)
*Mr. Nickson N. Lushasi-	BSc. Mining (UDSM)
*Mr. Osmund E. Mwangupili-	BSc. Mining (UDSM)
*Mr. Herfrid J. Mgeni-	ADE. Civil (MIST); FTC. Civil (MTC)

Instructors

Mr. Valentino A. Chaffu-	Masters of Eng. In Maintenance Management in Civil Eng. (DIT); B. Eng. In Civil Eng. (MIST), FTC in Civil Eng (MTC);
Mr. Justus P. Eliya-	Bsc. Civil (MUST); FTC. Civil (TCA)
Mr. Frank A. Mwakyembe-	Bsc. Mining (UDSM)
Mr. Abasi A. Hawaii	Bsc. Mining (UDSM)
Mr. Crodiwick W. Ruvunduka	Bsc. Civil (DIT), OD. Transportation Eng. (ATC)
*Mr. Kizito A. Ngowi-	Bsc. Urban & Reg. Planning (ARU); Ord.Diploma in Cartography (Ardhi Inst.-Tabora)
*Mr. Adamu Musa	BSc. Mining (UDSM)
Mr. George J. Nyaisonga-	AD BEcon. (Ardhi Inst.)
Mr. Godwin Z. Kabungo-	ADE. Civil (MTC); FTC. Civil (DAR TECH)
*Mr. Stephano S. Maduka-	Ord. Diploma in Transportation Eng. (ATC)

Technicians

Mr. Edson B. Rogasian	BEng. Civil (MUST), OD. Civil (MIST)
Mr. Alfred B. Nyingi	BEng. Civil (MUST), OD. Civil (ATC)
Asha Thobias Chiwanga	OD. Mining Eng. (MRI-Dodoma)
Teresia M Luambano	OD. Mining Eng. (MUST)
Mr. Samwel J. Kihogo	ODE. Civil (MIST)
*Mr. Aaron J. Maganga	FTC in Water Laboratory Technology (Water Resources Institute)

Artisans

Mr. John Mwakambonja-	Technician Auxiliary I
Mr. Joseph Gesu-	Technician Auxiliary II
Mr. Anselim B. Raphael-	Technician Auxiliary II
*On study leave	

8.1.2.3 COURSE MODULES

8.1.2.3.1 CIVIL ENGINEERING

A. NTA LEVEL 4: Basic Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	4
SBT 04102	Introduction to Mechanics	4
SBT 04103	Introduction to Technical Communication	4
COT 04105	Introduction To Computer Hardware And Software	3
Core Modules		
CET 04101	Basic Civil Engineering Materials	6
CET 04102	Basic Soil Mechanics	6
CET 04103	Introduction to Engineering Drawing.	9
CET 04104	Building Workshop Practice	12
CET 04105	Building Construction	6
CET 04106	Road construction	6
TOTAL		60

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomial Theorem	4
SBT 04202	Essentials of Mechanics	4
SBT 04203	Fundamentals of English Grammar	2
COT 04210	Introduction To Spreadsheet And Word Processing Software	4
Core Modules		
CET 04201	Civil Engineering materials	6
CET 04204	Building services Workshop Practice	12
CET 04205	Building Maintenance	4
CET 04206	Unpaved Road Maintenance	4
CET 04207	Introduction to Structural Mechanics	6
CET 04208	Linear Surveying	8
FPT 04	Field Practical Training	10
TOTAL		64

B. NTA LEVEL 5: Technician in Civil Engineering**Semester I**

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	4
SBT 05102	Waves and Oscillations	4
SBT 05103	Technical Communication skills	3
SBT 05104	Introduction to entrepreneurship	3
COT 05105	Introduction to Databases and Presentations	3
Core Modules		
CET 05101	Structural Mechanics	6
CET 05102	Civil Engineering Materials Mix Design	3
CET 05103	Soil Mechanics	6
CET 05104	Carpentry and Joinery Workshop Practice	9
CET 05105	Building design and Drawing	6
CET 05106	Pavement Design and Construction	6
CET 05107	Construction of Framed Structures	4
TOTAL		57

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical properties & Fluid Mechanics	4
SBT 05203	Fundamentals of Technical Communication	3
SBT 05204	Globalization and Social Change	3
COT 05210	Introduction to Computer Programming in C	3
Core Modules		
CET 05208	Introduction to Reinforced Cement Concrete Design	8
CET 05209	Quantity Surveying	6
CET 05210	Mechanical Properties of Civil Engineering Materials	6
CET 05211	Paved Road Maintenance	3
CET 05212	Building Service Maintenance	3
CET 05213	Basic Construction Management	3
CET 05214	Water Supply and Sanitation	3
CET 05215	Land Surveying	6
FPT 05	Field Practical Training	10
TOTAL		67

C. NTA LEVEL 6: Ordinary Diploma in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vector and coordinate Geometry	5
SBT 06102	Heat and Thermodynamics	5
SBT 06104	Entrepreneurship	4
COT 06105	Introduction to computer network	2
Core Modules		
CET 06102	Introduction to Foundation Engineering	6
CET 06105	Construction of Building Services	5
CET 06107	Reinforced Cement Concrete Design	6
CET06109	Estimation and Costing	6
CET 06110	Construction Planning	5
CET 06111	Water Supply and treatment	6
CET 06112	Fluid Mechanics and Hydraulics - I	6
CET 06113	Timber Structural Design	7
CET 06115	Project – I	8
TOTAL		71

Semester -II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statistics	5
SBT 06202	Organic compounds	5
Core Modules		
CET 06201	Building Materials	3
CET 06205	Construction of Building Protections	5
CET 06207	Concrete Retaining walls and Pre-stressed structures	6
CET 06210	Construction Management	5
CET 06211	Waste Water Management	5
CET 06212	Fluid Mechanics and Hydraulics II	6
CET 06214	Steel Structural Design	7
CET06215	Project II	10
TOTAL		57

8.1.2.3.2 MINING

A. NTA LEVEL 4: Basic Technician in Mining Engineering

Semester-I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	3
SBT 04103	Introduction to Technical Communication	3
SBT 04104	Elementary Theories of Entrepreneurship Development	3
COT 04105	Basic Computer Application I	2
Core Modules		
MNT 04101	Introduction to Mining	6
MNT 04102	Fundamentals of Drilling Practices	6
MNT 04103	Mine Safety and Regulations	6
MNT 04104	Drilling Skills Practices	6
MNT 04105	Land Surveying	8
MNT 04106	Technical Drawing	9
MNT 04107	Introduction to Physical Geology	6
MNT 04108	Workshop Practice I	9
TOTAL		72

Semester-II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomial Theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	2
COT 04210	Basic Computer Application II	2
Core Modules		
MNT 04201	Introduction to Basics of Surface Mining	6
MNT 04202	Explosives and Blasting Techniques	6
MNT 04203	Introduction to Rock Properties for Drilling and Blasting	6
MNT 04204	Basic Mineralogy, Petrology and Ore Geology	7
MNT 04205	Workshop Practice II	9
MNT FPT 04	Industrial Practical Training	10
TOTAL		58

B. NTA LEVEL 5: Technician in Mining Engineering**Semester I**

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	5
SBT 05102	Waves and Oscillations	5
SBT 05103	Technical Communication skills	2
SBT 05104	Entrepreneurship and Simple Business Projects	3
COT 05105	Basic Computer Applications III	2
Core Modules		
MNT 05101	Drilling and Blasting Practices in Mine Works.	12
MNT 05102	Mine Equipment and Installations Maintenance Monitoring	12
MNT 05103	Introduction to Safety and Risk Assessment in Mine Works.	12
CET 06112	Hydraulics and Fluid Mechanics I	6
TOTAL		59

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical properties & Fluid Mechanics	4
SBT 05203	Fundamentals of Technical Communication	2
SBT 05204	Globalization and Social Change	2
COT 05210	Basic Computer Applications IV	3
Core Modules		
MNT 05201	Introduction to Rock Mechanics	12
MNT 05202	Basics of Technical Report Writing	8
MNT 05203	Introduction to Mine Business and Mining Regulatory Framework	12
MNT 05204	Basics of Ore Dilution and Production Control	12
MNT 05205	Industrial Practical Training	10
TOTAL		71

C. NTA LEVEL 6: Ordinary Diploma in Mining Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vector and coordinate Geometry	5
SBT 06102	Heat and Thermodynamics	5
SBT 06104	Small Enterprise Management	3
COT 06105	Basic Computer Applications V	2
Core Modules		
MNT 06101	Introduction to Underground Mining	9
MNT 06102	Basics of Mining Excavation and Tailing Dam Design.	9
MNT 06103	Introduction to Mine Surveying	9
MNT06104	Mine Equipment and Installations Maintenance Management	7
MNT 06105	Safety Practices in Mine and Civil Works	6
CET 06212	Fluid Mechanics and Hydraulics –II	6
MNT 06107	Project – I	6
TOTAL		67

Semester -II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statistics	5
SBT 06202	Organic Compounds	5
Core Modules		
MNT 06201	Underground Mine Support Systems	8
MNT 06202	Mine Ventilation	8
MNT 06203	Material Handling System Design	10
MNT 06204	Introduction to Mineral Processing Techniques	6
MNT 06205	Introduction to Management in Mine Works	6
MNT 06206	Project – II	6
TOTAL		54

8.1.2.3.3 HIGHWAY ENGINEERING:

A. NTA LEVEL 4: Basic Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	3
SBT 04103	Introduction to Technical Communication	3
COT 04105	Basic Computer Applications I	2
Core Modules		
CET 04101	Civil Engineering Materials (Theory – I)	6
CET 04102	Soil Mechanics - I	6
CET 04103	Engineering Drawing-I.	9
CET 04104	Workshop Practice - I	12
CET 04105	Building Construction -I	6
CET 04106	Road construction-I	6
TOTAL		58

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomial Theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	2
COT 04210	Basic Computer Applications II	2
Core Modules		
CET 04201	Civil Engineering materials (Practical-I)	6
CET 04204	Workshop Practice - II	12
CET 04205	Building Maintenance - I	4
CET 04206	Road Maintenance - I	4
CET 04207	Structural Mechanics - I	6
CET 04208	Land Surveying - I	8
FPT 04	Field Practical Training	10
TOTAL		64

B. NTA LEVEL 5: Technician in Civil Engineering**Semester I**

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	5
SBT 05102	Waves and Oscillations	5
SBT 05103	Technical Communication skills	2
SBT 05104	Introduction to entrepreneurship	2
COT 05105	Basic Computer Applications III	2
Core Modules		
CET 05101	Structural Mechanics - II	6
CET 05102	Civil Engineering Materials (Theory-II)	3
CET 05103	Soil Mechanics - II	6
CET 05104	Workshop Practice -III	9
CET 05105	Engineering Drawing-II	6
CET 05106	Pavement Design and Construction	6
CET 05107	Building construction -II	4
TOTAL		56

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical prop. & Fluid Mechanics	4
SBT 05203	Fundamentals of Technical Communication	2
SBT 05204	Globalization and Social Change	2
COT 05210	Basic Computer Applications IV	3
Core Modules		
CET 05208	Reinforced Concrete Design - I	8
CET 05209	Quantity Surveying	6
CET 05210	Civil Eng. Materials (Practical-II)	6
CET 05211	Road Maintenance - II	3
CET 05212	Building Maintenance - II	3
CET 05213	Construction Management - I	3
CET 05214	Water Supply and Sanitation - I	3
CET 05215	Land Surveying - II	6
FPT 05	Field Practical Training	10
TOTAL		65

NTA 6: Ordinary Diploma in Highway Engineering

Semester I

Fundamental Modules		
CODE	MODULE	CREDITS
GSD 06101	Coordinate Geometry and Differential Equations	4
GSD 06102	Correspondence, and Report Writing	4
Core Modules		
TET 06120	Route design	9
TET 06121	Pavement Materials	9
TET 06122	Traffic and Transportation Engineering	9
TET 06123	Basic Bridge Construction and maintenance	6
TET 06124	Soil Mechanics and foundations	9
CET 06123	Structural Timber Design	6
TET 06125	Project I (Project Proposal)	5
TOTAL CREDITS		61

Semester II

Fundamental Modules		
CODE	MODULE	CREDITS
GSD 06201	Linear Programming, Statistics and Probability	3
GSD 06202	Enterprise Management	6
Core Modules		
TET 06226	Social and Environmental Management	6
CET 06226	Hydraulics and fluid mechanics	9
TET 06227	Construction Management and Procurement Practice	9
TET 06228	Pavement Engineering	9
CET 06230	Structural Steel Design	9
TET 06229	Project(Report)	5
TET 06230	Industrial Training	10
TOTAL		66

8.1.3 DEPARTMENT OF COMPUTER ENGINEERING

Programmes

Currently the Department offers the following three Programmes:

- a) Ordinary Diploma in Computer Engineering
- b) Ordinary Diploma in Information and Communication Technology (ICT)
- c) Ordinary Diploma in Computer Science

8.1.3.1 LABORATORIES AND WORKSHOPS

- i. Computer Maintenance and Repair Laboratory
- ii. Two Computer Software Application Laboratories

8.1.3.2 LIST OF STAFF

Lecturers

Mr.Mrindoko R Nicholaus MSc. EEIT (UDSM), B.Eng (DIT), FTC (MIST)

(Head of Department)

Assistant Lecturers

*Mr.Sadiki L. Kusyama MSc. ((NM-AIST, Tanzania) B.Eng (DIT), FTC (DIT)

Mr. Joseph N.Lutera MSc. Mathematical Sciences (AIMS-Tanzania), BSc. Ed (UDSM-MUCE)

Tutorial Assistants

Mr. Pascal J. Yamakil MSc. EEIT (UDSM), Advanced Diploma (IAA)

Mr. Edwin P. Nchia Advanced Diploma (IFM)

*Mr. Richard C. Rajabu BSc. (UDSM)

Mr. Noel Y. Chintelele MSc. TE (UDOM), B. Eng (DIT)

Mr.Godphrey G. Kyambile MSc. Comp (NM-AIST), BSc Computer Science (St. Joseph)

Mr. Ally S. Sikoro MSc. Comp (UDOM), B. Eng (DIT), FTC (DIT)

*Miss. Christina L. Mwabeza B. Eng (DIT), FTC (DIT)

*Mr. Charles C. Johnstone B.Sc. Physics (UDSM)

Mr. Bally S.Omary B. Eng (DIT), FTC (DIT)

Mr.ShadrackD.Njugunya. MSc. Comp (UDOM), B. Eng (DIT), FTC (DIT)

Mr.LusunguP.Wangilisasi B.Sc.Eng (UDSM)

Mr. Peter J.Madembwe	B.Sc Computer Science (St. Joseph)
Mr.NyamwagaM.Kaare	B.Sc Computer Science (St. Joseph)
Mr.AmanSanga	B. Eng (DIT)
*Mr.DanielI.Bynite	FTC (TCA); B. Eng.& Technology (DSTU) Russian Federation
Mr.BestoneLufyagila	B.Sc. Eng (UDSM)
Mr.TumainMbinda	B.Sc Computer Science (St. Joseph)

Instructors

Mr.Liberatus M. Sago	B.Sc. Eng (UDSM)
Mr.TumainMbinda	B.Sc Computer Science (St. Joseph)
Mr.Enlai N. Watson	B. Eng (DIT), FTC (DIT)
*Miss Rahel A Mtali	FTC in Comp Eng (DIT)

Technician

Mr.RizikiPangahela	Diploma (TPSC-Magogoni)
George R.Kitula	Diploma in Comp.Eng (MUST)

8.1.3.3 COURSE MODULES**8.1.3.3.1 INFORMATION AND COMMUNICATION TECHNOLOGY****A. NTA LEVEL4: Basic Technician in Information and Communication Technology****Semester 1**

Fundamental Modules		
Code	Module Name	Credit
CIT 04105	Basic Communication Skills	05
CIT 04106	Discrete Mathematics	07
Core Modules		
CIT 04101	Computer Fundamentals	12
CIT 04102	Microcomputer Applications	12
CIT 04103	Fundamentals of Computer Networks.	12
CIT 04104	Basics of Electronics	12
TOTAL		60

Semester II

Core Modules		
Code	Module Name	Credit
CIT 04201	Computer Maintenance and Repair	12
CIT 04202	Internet Essentials and Web Technology	12
CIT 04203	Introduction to High level Programming	12
CIT 04204	Introduction to Entrepreneurship	06
CIT 04205	IT Safety and Management Practices	08
CIT 04206	Industrial practical Training	10
TOTAL		60

B. NTA LEVEL 5: Technician Certificate in Information and Communication Technology**Semester I**

Fundamental Modules		
Code	Module Name	Credit
CIT 05105	Communication skills	03
Core Modules		
CIT 05101	Operating Systems	12
CIT 05102	Computer Network Design	12
CIT 05103	Object-Oriented Programming Basics	08
CIT 05104	Advanced Computer Maintenance and Troubleshooting	12
TOTAL		47

Semester II

Core Modules		
Code	Module Name	Credit
CIT 05201	Introduction to Principles of Management	07
CIT 05202	Business Management	12
CIT 05203	Web Design	12
CIT 05204	Computer Network Administration	11
CIT 05205	Introduction to Entrepreneurship	08
CIT 05206	Computer Architecture	11
CIT 05207	Industrial Practical Training	12
TOTAL		73

C. NTA LEVEL 6: Ordinary Diploma in Information and Communication Technology

Semester I

Fundamental Modules		
Code	Module Name	Credit
SBT 06104	Entrepreneurship	03
SBT 06103	Business Communication skills	02
Core Modules		
CID 06101	Object Oriented Programming in JAVA	08
CID 06102	Management Information Systems	10
CID 06103	IT Security	08
CID 06104	E-Commerce	08
CID 06105	Network Management	09
CID 06106	Research Methodology	06
CID 06108	Geographical Information System	04
CID 06107	Project I	10
TOTAL		68

Semester II

Fundamental Modules		
Code	Module Name	Credit
SBT 06201	Logic and Statistics	07
SBT 06202	Business Management.	05
Core Modules		
CID 06202	Internet and Web Development Technology	04
CID 06205	System Analysis and Design	06
CID 06203	Project Management	09
CID 06204	Law of Computing	04
CID 06201	Website Design and Hosting	07
CID 06207	Project II	10
TOTAL		52

8.1.3.3.2 COMPUTER SCIENCE

A. NTA LEVEL4: Basic Technician Certificate in Computer Science

Semester I

Fundamental Modules		
Code	Module Name	Credit
CST 04101	Basic Communication Skills	06
CST 04102	Elementary Mathematics	06
Core Modules		
CST 04103	Computer Fundamentals	12
CST 04104	Microcomputer Applications	12
CST 04105	Programming Concepts.	12
CST 04106	Basics of Electronics	12
TOTAL		48

Semester II

Core Modules		
Code	Module Name	Credit
CST 04201	Basics of Computer Maintenance and Troubleshooting	10
CST 04202	Internet Essentials and Web Technology	10
CST 04203	Computer Networks Fundamentals.	10
CST 04204	Basics of Mobile Application	08
CST 04205	Multimedia Technologies	10
CST 04206	Industrial practical Training	12
TOTAL		60

B. NTA LEVEL 5: Technician Certificate in Computer Science

Semester I

Fundamental Modules		
Code	Module Name	Credit
CST 05101	Business Communication skills	03
Core Modules		
CST 05102	Operating Systems	10
CST 05103	Computer Network Design	12
CST 05104	Computer Maintenance and Troubleshooting	12
CST 05105	Object-Oriented Programming	12
TOTAL		49

Semester II

Core Modules		
Code	Module Name	Credit
CST 05201	Web Design and Hosting	12
CST 05202	Basics of Principles of Management	05
CST 05203	Mobile Application Development	12
CST 05204	Computer Network Administration	11
CST 05205	Business Management	08
CST 05206	Computer Architecture	11
CST 05207	Industrial Practical Training (IPT)	12
TOTAL		71

C. NTA LEVEL 6: Ordinary Diploma in Computer Science

Semester I

Fundamental Modules		
Code	Module Name	Credit
SBT 06101	Introduction to Computer Science Mathematics I	04
SBT 06103	Communication Skills	04
SBT 06104	Entrepreneurship and Development	04
Core Modules		
CSD 06101	Introduction to JAVA	06
CSD 06105	Software Engineering	06
CSD 06102	Database Concepts	08
CSD 06104	Website Design and Hosting	08
CSD 06103	Research methodology	06
CSD 06108	Project I	10
TOTAL		56

Semester II

Fundamental Modules		
Code	Module Name	Credit
SBT 06201	Introduction to computer science mathematics II	04
Core Modules		
CSD 06201	Advanced JAVA	11
CSD 06202	Design and Implementation of Database	11
CSD 06204	IT security	09
CSD 06206		08

CSD 06207	Introduction to Geographical Information System Management	09
CSD 06208	Information Systems Project II	10
TOTAL		62

8.1.3.3.3 COMPUTER ENGINEERING

A. NTA LEVEL4: Basic Technician Certificate in Computer Engineering

Semester 1

Fundamental Modules		
Code	Module Name	Credit
SBT 04101	Advance Mathematics I	05
SBT 04102	Mechanics I	05
SBT 04103	Introduction to technical communication	02
Core Modules		
CET 04101	Computer application software I	06
EET 04101	Electrical engineering I	04
MET 04109	Workshop technology	06
CET 04102	Computer Systems Maintenance and Repair I	10
CET 04103	Computer Network I	06
MET 04110	Technical Drawing	03
CET 04104	Social Ethics	05
TOTAL		52

Semester II

Fundamental Modules		
Code	Module Name	Credit
SBT 04203	Fundamentals of English grammar and technical report writing	02
SBT 04201	Advance Mathematics II	05
SBT 04202	Mechanics II	05
Core Modules		
CET 04204	Introduction to computer architecture	08
CET 04201	Computer application software II	06
CET 04205	Introduction to e-commerce	06
CET 04207	Computer programming I	07
CET 04208	Basic electronics	05
EET 04201	Electrical engineering II	04
CET 04202	Computer Systems Maintenance and Repair II	10
CET 04209	Industrial practical Training	10
TOTAL		68

B. NTA LEVEL 5: Technician Certificate in Computer Engineering**Semester I**

Fundamental Modules		
Code	Module Name	Credit
SBT 05104	Introduction to entrepreneurship	3
SBT 05103	Technical Communication skills	3
SBT 05102	Waves and Oscillations	6
SBT 05101	Advanced Mathematics III	6
Core Modules		
CET 05101	Object Oriented Programming	8
CET 05102	Measurements and Instrumentation	4
CET 05103	Digital Electronics	6
CET 05104	Data Communications	4
CET 05106	Electronics Circuits	6
CET 05107	Operating Systems	6
CET 05108	Introduction to Database	7
TOTAL		57

Semester II

Fundamental Modules		
Code	Module Name	Credit
SBT 05201	Advanced Mathematics IV	6
SBT 05202	Mechanical properties and Fluid mechanics.	6
SBT 05203	Fundamentals of Technical Communication	3
SBT 05204	Globalization and Social Change	3
Core Modules		
CET 05201	Data Structure and File Handling	8
CET 05202	Computer Peripherals Maintenance and Repair	5
CET 05203	Microprocessor Technology	5
CET 05204	Sequential Circuits	6
CET 05205	Network Management	9
CET 05206	Electrical Installation and Safety Regulations	3
CET 05207	System Analysis and Design	7
CET 05208	Industrial Practical Training	10
TOTAL		71

C. NTA LEVEL 6: Ordinary Diploma in Computer Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06101	Vector and coordinate Geometry	7
SBT 06102	Heat and Thermodynamics	7
SBT 06104	Entrepreneurship	4
Core Modules		
Module Code	Module Name	Credit
CED 06101	Introduction to Software Engineering	6
CED 06105	Introduction to Multimedia	6
CED 06102	Introduction to Embedded systems	8
CED 06104	Introduction to Automation and Control	8
CED 06106	Advanced Electronics	8
CED 06107	Project I	10
TOTAL		66

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06201	Logic and Statistics	7
SBT 06202	Organic compounds	9
Core Modules		
Module Code	Module Name	Credit
CED 06201	Website Design and Hosting	7
CED 06202	Signal and Data Processing circuits	8
CED 06203	Multimedia Application Production	8
CED 06204	Industrial Automation System	9
CED 06208	Project II	10
TOTAL		58

8.1.4 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING**Programmes**

Currently the Department offers the following two Programmes:

- a) Electrical and Electronic Engineering
- b) Electronic and Telecommunication Engineering

Electrical and Electronic Engineering

- i. Basic Technician in Electrical and Electronic Engineering – NTA Level 4 (1 year Programme).
- ii. Technician in Electrical and Electronic Engineering – NTA Level 5 (1 year Programme).
- iii. Ordinary Diploma in Electrical and Electronic Engineering – NTA Level 6 (1 year Programme).

Electronic and Telecommunication Engineering

- i. Basic Technician in Electronic and Telecommunication Engineering – NTA Level 4 (1 year Programme).
- ii. Technician in Electronic and Telecommunication Engineering – NTA Level 5 (1 year Programme).
- iii. Ordinary Diploma in Electronic and Telecommunication Engineering – NTA Level 6 (1 year Programme).

8.1.4.1 LABORATORIES AND WORKSHOPS

- i. Electrical Machines Laboratory
- ii. Measurements Laboratory
- iii. Electronics and Basis of Electrical Engineering Laboratory
- iv. Electric Drives Laboratory
- v. High Voltage Engineering Laboratory
- vi. Electrical Installation workshop

8.1.4.2 LIST OF STAFF

Mr. Nicholas G. Moyo

MSc. Power Systems & High Voltages Eng (UDSM) (UDSM),
PGD. Electrical Power Eng (UDSM), ADE (DIT), FTC Electrical
(ATC)

(Head of Department)

Assistant Lecturers

Mr. Watson E. Yotham

Pedagogical Certificate (Morogoro), MSc. Electronics, Eng& IT
(UDSM), BSc. Electrical En (UDSM)

Mr.Sospeter S. Joseph	MSc. Electronic & Telecom Eng (NM-AIST), BSc. Telecommunication Engineering (UDSM)
*Mr.Justine G. Mbilinyi	MSc. Electronics Eng& IT (UDSM), BSc. Electrical Eng (UDSM)
*Mr.Isaka J. Mwakitalima	MSc. Sustainable Energy (NM-AIST), Beng.Electrical and Electronics (SJCET), Dip.Ed. Electrical (Klerruu TTC), FTC Electrical (ATC)

Tutorial Assistants

Mr.Emmanuel S. Mahenge	MSc. Telecom Eng (UDOM), B Eng. Electronics and Telecom (DIT)
*Mr.Wilbert Ruta	Beng. Electrical and Electronics (MIST), Diploma Electrical and Electronics (MIST)
Mr.Buchumi P. Manase	Beng Electrical and Electronics (SJCET), FTC Electrical (MTC)
*Ms.Lilian Kawala	Beng .Electrical and Electronics (MUST) Deng. Electrical and Electronics (MIST)
Mr.Eligard Francis	Beng. Electrical and Electronics (MUST)
*Mr.Mgeni Makambi	BSc. Telecommunication Engineering (UDSM)
Ms.CatherineProtas	MSc. Electronics Eng& IT (UDSM, Beng. Electronics and Communication (SJCET)
Mr. Stuart Brown	Beng Electrical and Electronics (SAUT)
*Mr.Salehe H. Ndola	Beng. Electrical and Electronics (SJCET), FTC Electrical (MTC)
Mr.Makunja O. Bwire	Beng. Electrical Engineering (MUST), Deng (MIST)

Instructors I

Mr.NjamasiS.Chiwanga	MSc Safety & Reliability Eng Oil & Gas (Aberdeen, UK), Beng. Electrical and Electronics (SJCET)
Mr.Monte S. Kayoka	MSc Comp & Communication (Waseda – Japan) Beng. Electrical Engineering (DIT), FTC Electrical (MTC)
Mr.Raphael J. Mwasoni	Beng. Electrical Engineering (DIT), DTE (KLERRUU TTC), FTC Electrical (MTC)

Instructors II

Mr.Novatus Kimenyuka	Beng.Electrical and Electronics (MIST), Deng. Electrical and Electronics (MIST)
Mr.Godwin B. Tunze	BSc. Telecommunication Engineering (UDSM)

*Ms.SusanMboje	Beng. Electronics and Communication (SJCET)
*Mr.Exaud Tarimo	BSc. Telecommunication Engineering (UDSM)
Mr.Emmanuel G Swetala	BSc. Electrical Engineering (UDSM)
Ms.Suzan M Misholi	MSc. Information and Communication Science and Engineering (NM-AIST), Beng. Electronics and Telecom (DIT)

Workshop Technicians

Mr.Joshua J. Mlay	Beng. Electrical and Electronics (MUST), Deng.Electrical and Electronics (MIST)
Mr.Furahini I Shelukindo	Beng. Electrical and Electronics (MUST), Deng .Electrical and Electronics (MIST)

Artisans

Mr.Joseph Nsembele	Trade Test Grade One (Mbeya VTC)
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*On study leave

8.1.4.3 COURSE MODULES

A. NTA 4: Basic Technician in Electrical and Electronic Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to mechanics	5
SBT 04103	Introduction to technical communication	3
COT 04105	Introduction to Computer	3
Core Module		
EET 04101	Basics of Electrical engineering	6
EET 04102	Electrical Installation Safety and Maintenance	6
EET 04103	Material Technology	6
EET 04104	Workshop Technology	7
EET 04105	Measurements and Instrumentation	5
EET 04106	Basic Electronic Engineering	6
MET 04110	Basic Technical drawing	5
TOTAL		57

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomials theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English grammar	2
COT 04205	Basic Computer Applications	2
Core Modules		
EET 04201	Basic Electrical Technology	6
EET 04202	Analogue Electronics Lab	6
EET 04203	Electrical and Electronic Materials	6
EET 04204	Workshop Practice	9
EET 04205	Electrical and Electronic Measurements	5
EET 04206	Analogue Electronics	5
MET 04210	Technical Drawing	5
IPT 04	Industrial Practical Training	10
TOTAL		66

B. NTA 5: Technician in Electrical and Electronic Engineering**Semester I**

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	6
SBT 05102	Waves and Oscillations	6
SBT 05103	Technical Communications skills	2
SBT 05104	Introduction to entrepreneurship	2
COT 05105	Relational Database	2
Core Modules		
Module Code	Module Name	Credits
EET05101	Introduction to software engineering	5
EET 05102	Basics of Digital Electronics	6
EET 05103	Domestic Installation and Maintenance	7
EET05104	Power Plants	6
EET05105	DC Generators	6
EET05106	Installation Testing and Commissioning	7
TOTAL		55

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical properties and Fluid Mechanics	6
SBT 05203	Fundamental of Technical Communication	2
SBT 05204	Globalization and social change	2
COT05205	Fundamentals of Computer Programming	3
Core Modules		
EET05201	AutoCAD	5
EET 05202	Power Electronics	6
EET 05203	Electrical Power Transmission and Distribution	6
EET05204	Fundamental of Automation	6
EET05205	Statics and AC Machines	6
EET05206	DC Motors	6
EET05207	Static and Dynamic Machines Control	7
ITG 05	Industrial Practical Training	10
TOTAL		71

C NTA 6 – Ordinary Diploma in Electrical and Electronic Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vectors and Coordinate Geometry	4
SBT 06102	Heat and Thermodynamics	4
SBT 06104	Entrepreneurship	4
Core Modules		
Module Code	Module Name	Credits
EED 06101	Electric Machines and Drives	8
EED 06102	Introduction to Digital Electronics	6
EED 06103	Industrial Electrical Installation	6
EED 06104	Industrial Automation	6
EED 06105	Power System Operations and Control	6
EED 06106	Basics of Power Protection	6
EED 06107	Project	10
TOTAL		60

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statics	4
SBT 06202	Organic Compounds	4
Core Modules		
EED 06201	AC Motors	6
EED 06202	Basics of Integrated Circuits	6
EED 06203	Basics of Control systems	6
EED 06204	Industrial Power Protection	6
EED 06205	Motor Rewinding	6
EED 06206	Renewable Energy	6
ETD 06207	Basic Telecommunication Engineering	6
EED 06209	Project	10
TOTAL		60

8.1.4.4 ELECTRONIC AND TELECOMMUNICATION ENGINEERING

NTA 4: Basic Technician in Electronic and Telecommunication Engineering

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to mechanics	5
SBT 04103	Introduction to technical communication	3
COT 04105	Introduction to Computer	3
Core Module		
ETT 04101	Basics of Electrical engineering	7
ETT 04102	Materials Technology	6
ETT 04103	Workshop Technology	9
ETT 04104	Measurements and Instrumentation	7
ETT 04105	Basic Electronic Engineering	7
MET04110	Basic Technical drawing	7
TOTAL		59

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomials theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English grammar	2
COT04205	Basic Computer Applications	2
Core Modules		

ETT 04201	Basic electrical Technology	7
ETT 04202	Analogue Electronics Lab	5
ETT 04203	Electrical and Electronic Materials	6
ETT 04204	Basics of Telecommunication	7
ETT 04205	Electrical and Electronic Measurements	7
ETT 04206	Analogue Electronics	7
IPT 04	Industrial Practical Training	10
TOTAL		63

B. NTA 5: Technician in Electronic and Telecommunication Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	6
SBT 05102	Waves and Oscillations	6
SBT 05103	Technical Communication skills	2
SBT 05104	Introduction to entrepreneurship	2
COT 05105	Relational Database	2
Core Modules		
ETT 05101	Optical Fiber Communication	8
ETT 05102	Basics of Digital Electronics	6
ETT 05103	Analogue Circuit Analysis	8
ETT 05104	Signal Processing, Transmission and Reception	8
ETT 05105	Introduction to Engineering Software	7
TOTAL		55

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical properties and Fluid Mechanics.	6
SBT 05203	Fundamental of Technical Communication	2
SBT 05204	Globalization and social change	2
COT 05205	Fundamentals of Computer Programming	3
Core Modules		
ETT 05201	Digital Integrated Circuits	8
ETT 05202	Television Technology	10
ETT 05203	Modulation & Demodulation Techniques	10
ETT 05204	Data Communication	8

IPT 05	Industrial Training	10
TOTAL		65

C. NTA 6 – Ordinary Diploma in Electronic and Telecommunication Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vectors and Coordinate Geometry	7
SBT 06102	Heat and Thermodynamics	7
SBT 06104	Entrepreneurship	3
Core Modules		
ETD 06101	Telecommunication Switching Principles	8
ETD 06102	Instrumentation	6
ETD 06103	Radio Transmission System	7
ETD 06104	Antenna and Radars	7
ETD 06105	Programmable Logic Controllers	7
ETD 06106	Project	8
TOTAL		60

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statics	7
SBT 06202	Organic Compounds	7
Core Modules		
ETD 06201	Communication Systems	9
ETD 06202	Telephone Systems	9
ETD 06203	Television and Video Engineering	9
ETD 06204	Industrial Electronics	9
ETD 06206	Project	10
TOTAL		60

8.1.5 THE DEPARTMENT OF SCIENCE AND BUSINESS MANAGEMENT**Programmes**

Currently the Programmes in the Department of Science and Business Management are:

- a) Ordinary Diploma in Laboratory Science and Technology
- b) Ordinary Diploma in Food Science and Technology

8.1.5.1 LABORATORIES

- i. Physics Laboratory
- ii. Chemistry Laboratory
- iii. Biology Laboratory
- iv. Food Science

8.1.5.2 LIST OF STAFF

Christopher A. Mgingba Certificate in Biogas Hygiene Technology and Facilities in Developing Countries (BIOMA in PRC), MIEM (UDSM), BSc.Ed (UDSM)

(Head of Department):

Lecturers

Christopher A. Mgingba: Certificate in Biogas Hygiene Technology and Facilities in Developing Countries (BIOMA in PRC), MIEM (UDSM), BSc.Ed (UDSM)

Fredrick S. Ojija: MSc. (Vrije University of Brussels), BSc wildlife (UDSM) *

Assistant Lecturers

Guido E. Kayuki: Msc. Chemistry (UDSM), BSc.Ed (UDSM)

Matungwa R William: MSc. Agric. in Environmental Quality Science (HUJI-Israel), BSc. Environmental Science & Management (SUA)

Mlyashimbi B. Helikumi: MSc. Mathematics (UDSM), B.EdSc (UDSM)*

Lazaro E. Kagata: MSc Policy Dev. (Mzumbe), BSc. Environ. Science (SUA), BSc.Ed (UDSM)*

Jacob S. Lupia: MBA (Tumaini), BSc.Ed (UDSM)

Makebe E. Majogoro: MBA (Tumaini), BSc.Ed (UDSM)

Fabian Mihafu:	MSc.Food Science (TUSEGE), BSc.Agricultural Education (SUA) *
Mgina H .Zaharan:	MSc.(Stellen Bosch Univ.), BSc. Food Science (SUA) *
Eliwanzita. N. Sospeter:	MSc. Food Technology (Gent and Kuleven Universities) BSc. Food Science (SUA)
Joel A.Mhanga:	MSc.Food Science (SUA), BSc.Food Science (SUA)
Buzo H. Maige:	MSc.Food Science (Makerere Univ.), BSc. Food Science (SUA)*
Joseph Lunyogote:	MSc.Food Science (SUA), BSc.Food Science (SUA)*
Angela Aluko	MSc. Food Science (JomoKenyata Univ.), MBA (UDOM), BSc.Food Science (SUA)*
MelkzedeckTsere	MSc.Chemistry (NM-AIST), BSc.Ed (St.Johns)
Chacha Nyangi	MSc.Food Science (SUA), BSc.Food Science (SUA) *
Frank M. Kaseka:	BSc. Food Science (SUA)
Fredrick Mwabulili:	BSc. Food Science (SUA)

Tutorial Assistants

Hamis Maonezi:	BSc. Food Science (SUA) *
Tumain Malango:	BSc. Food Science (SUA) *
Kasmiri John Shila:	BSc.Ed (SUA), Dip.Ed (Butimba)
MubashiruA.Kakulwa:	MIEM (UDSM), BSc.Chemistry&Zoology (IUIU)
Lilian Maro:	BSc. Food Science (SUA) *
John Emmanuel:	BSc. Food Science (SUA)
Pascalina Badi:	BSc. Biotech. (SUA) *
Hildegard Kasambala:	BSc.Ed (DUCE) *
Amina M. Ahmed	BSc. Food Science (SUA)

Instructor II

KalugulaS.Junja:	BSc. Biotech. (SUA)*
Prisca Siame:	BSc. Food Science (SUA) *
Nicolaus Mbugi :	BSc. Food Science (SUA) *
Grace Paul. R	BSc. Biotech. (SUA)

Technicians

Peter M. Barageti:	BSc. Biotechnology (SUA), Diploma in Science and Lab. (DIT)
Joseph P. Kayange:	BSc. Lab Tech. (SUA) Diploma in Science and Lab. (DIT)
Charles E. Chekecha:	BSc. Lab Tech. (SUA), FTC Science and Lab. (DIT)
Moses Musa:	Dip. In Food Science and Tech. (MUST)
Musa Mbotoni:	Dip. In Lab Science and Tech. (MUST) *
Frank Mahiki:	Dip. In Lab Science and Tech. (ATC) *

* On study leave

8.1.5.3 COURSE MODULES

8.1.5.3.1 LABORATORY SCIENCE AND TECHNOLOGY

NTA LEVEL 4: Basic Technician in Laboratory Science and Technology

Semester I

Code	Module Name	Credits
SBLT 04101	Algebra for Science	9
SBLT 04102	Basics of Cell Biology	9
SBLT 04103	Elementary electrochemistry	8
SBLT 04104	Laboratory safety	9
SBLT 04105	Introduction to Mechanics and Heat Energy	8
SBLT 04106	Fundamentals of English Grammar	5
COT 04107	Introduction to Computer	8
TOTAL		56

Semester II

Code	Module Name	Credits
SBLT 04201	Introduction to Calculus	9
SBLT 04202	Classification of living organisms	10
SBLT 04203	Laboratory Solutions and Reagents	9
SBLT 04204	Atomic theory and Radioactivity	5
SBLT 04205	Technical Communication skills	5
SBLT 04206	Laboratory Experiment Planning	9
COT 04207	Basic Computer Application	10
SBLT 04208	Industrial Field Training	10
TOTAL		67

B. NTA LEVEL 5: Technician in Laboratory Science and Technology

Semester I

Code	Module Name	Credits (Module)
SBLT 05101	Laboratory Instrumentation and maintenance	9
SBLT 05102	Laboratory Analysis and Statistical Techniques	9
SBLT 05103	Electricity and Electrical Devices	8
COT 05104	Basic computer application	9
SBLT 05105	Calculus	8
SBLT 05106	Introduction to Entrepreneurship	5
SBLT 05107	Technical Communication Skills	8
TOTAL		56

Semester II

Code	Module Name	Credits (Module)
SBLT 05201	Small Scale Business Management	9
SBLT 05202	Linear Programming and Trigonometry	10
SBLT 05203	Fundamental of Oral and written Technical Communication	9
SBLT 05204	Laboratory Design and Environmental Management	5
COT 05205	Computer for Science	5
SBLT 05206	Electricity and Electronic Devices	9
SBLT 05207	Research Techniques	6
SBLT 05208	Industrial Field Training	10
TOTAL		67

C. NTA LEVEL 6: Ordinary Diploma in Laboratory Science and Technology**Semester 1**

Code	Module Name	Credits
SBT 06101	Vector and coordinate Geometry	9
SBLT 06102	Basics of Genetics and Biotechnology	9
SBT 05102	Waves and Oscillations	6
SBLT 06103	Introduction to Biochemistry	8
SBT 06104	Entrepreneurship	5
COT 06105	Introduction to Computer programming	8
SBLT 06106	Solvent Separation Techniques	10
SBLT 06 107	Project	10
TOTAL		61

Semester II

Code	Module Name	Credits
SBT 06201	Introduction to Logic and Statistics	9
SBT 06202	Organic chemistry	8
SBLT 06203	Fundamentals of Microbiology	10
SBLT 06204	Essentials of Analytical Chemistry	10
SBLT 06205	Thermodynamics and Electromagnetism	8
SBLT 06206	Laboratory QA/QC	8
COT 06207	Computer programming	9
TOTAL		61

8.1.5.3.2 ORDINARY DIPLOMA IN FOOD SCIENCE

A. NTA LEVEL 4: Basic Technician in Food Science

Semester I

Fundamental Modules		
Code	Module Title	Credit
SBFT 04206	Basic applied Mathematics	6
SBFT 04105	Introduction to technical communication Skills	5
COT 04105	Introduction to Computer	3
Core Modules		
SBFT 04101	Introductory Food Science	10
SBFT 04102	Principles of Food Preservation	13
SBFT 04103	Introductory Biochemistry	10
SBFT 04104	Basics of Microbiology	12
TOTAL		59

Semester II

Fundamental Modules		
Code	Module Title	Credit
COT 04210	Basic computer application	3
SBFT 04205	Technical communication skills	5
Core Modules		
SBFT 04201	Food Microbiology	14
SBFT 04202	Material Science and Packaging for Food Technology	10
SBFT 04203	Basic Food Engineering	12
SBFT 04204	Food Biochemistry	14
IPT 1	Industrial practical training	10
TOTAL		68

B. NTA 5: Technician in Food Science

Semester I

Fundamental Modules		
Code	Module Title	Credit
SBFT 05101	Introduction to entrepreneurship	5
SBFT 05102	Technical Communication skills	5
SBFT 05103	Computer application	9
Core Modules		
SBFT 05104	Food chemistry	10

SBFT 05105	Principles of human nutrition	9
SBFT 05106	Introduction to Biotechnology	10
SBFT 05107	Basic Food Instrumental and Analysis	12
TOTAL		60

Semester II

Fundamental Modules		
Code	Module Title	Credit
SBFT 05201	Analytical and Physical Chemistry	10
SBFT 05202	Computer for Science	9
Core Modules		
SBFT 05203	Food Research Methods	9
SBFT 05204	Food and Nutrition Security	9
SBFT 05205	Cereal Processing Technology	12
SBFT 05206	Food Contaminant and Hygiene	10
IPT 2	Industrial Practical Training	10
TOTAL		69

C. NTA 6: Ordinary Diploma in Food Science and Technology**Semester I**

Code	Module Titles	Credits
SBFT 06101	Food analytical Science	8
SBFT 06102	Sensory Evaluation of Food	8
SBFT 06103	Food Engineering Operations	12
SBFT 06104	Meat Science and Technology	6
SBFT 06105	Dairy Technology	6
SBFT 06106	Small scale food Business management	9
SBFT 06107	Research Proposal for food Technicians	10
TOTAL		59

Semester II

Code	Module Titles	Credits
SBFT 06201	Fish and Marine Products Technology	6
SBFT 06202	Applied Food Biotechnology	9
SBFT 06203	Beverage Technology	9
SBFT 06204	Plant and Equipment layout and maintenance	12
SBFT 06205	Food safety and Quality management	12
SBFT 06206	Research for food technicians	10
SBFT 06207	Pilot Plant Processes	9
TOTAL		67

8.1.6 THE DEPARTMENT OF MECHANICAL ENGINEERING

Programmes

Currently the Department offers the following Programmes:

- a) Ordinary Diploma in Mechanical Engineering
- b) Ordinary Diploma in Mechatronics Engineering
- c) Ordinary Diploma in Mechanical Engineering with Industrial Safety and Occupational Health.

8.1.6.1 LABORATORIES AND WORKSHOPS

- i. Mechatronics and safety Laboratory
- ii. Energy Laboratory
- iii. Machine Shop
- iv. Welding Workshop
- v. Automotive Workshop
- vi. Foundry Workshop
- vii. Forging Workshop
- viii. Engineering Materials Laboratory

8.1.6.2 LIST OF STAFF

Mr. Lekamere N. Kariwa

MSc. Renewable Energy Eng. (UDSM), B. Eng. Mechanical (DIT),
Diploma in Technical Education (Kreluu), FTC Automotive Eng.
(TCA).

(Head of Department)

Assistant Lecturers

Mr. Silla W. Livifile

MSc. Prod Eng. (UDSM), PGDE Mech. (UDSM), ADE Mech.
(MIST), FTC. Mech. Eng. (TCA).

*Mr. Alex M. William

MSc. Petroleum Eng. (NTNU), BSc. Mech. Eng. (UDSM), ACSE
(MzumbeSec.School).

*Mr. Hamisi A. Mrope

MSc. Energy. Eng (Nelson Mandela), B. Eng. (MIST), FTC.
Automotive. Eng. (TCA)

*Mr. Yasini S. Nalinga.

MSc. Energy Eng. (Nelson Mandela), B. Eng. Mechanical (MIST),
FTC Mechanical Eng. (MTC).

Tutorial Assistants

Mr. Jonathan Lunyungu	PGDE – Mechanical. (UDSM), ADE Mech. (MTC), FTC Mech. (MTC).
*Mr. Yeremia D. Gwau	B. Eng. Mechanical (MUST), DTE (Kileruu), FTC. Mech. Eng. (TCA).
*Mr. Philemon X. Mutabilwa	B. Eng. Mechanical (DIT), FTC Mech. (DIT)
*Mr. Nyanda M. Malashi	B. Eng. Mechanical. (MUST).
Mr. Erasto S. Hebuka.	B. Eng. Mechanical. (DIT), DTE (Kileruu), FTC Mechanical (DTC),

Instructors

Mr. Evans N. Tweve	PGDE – Mechanical. (UDSM), ADE..Mechanical. (MIST), FTC. Mechanical. Eng. (MTC)
*Mr. Dickson P. Ndalila	MSc. Energy Eng. (UDSM), BSc. Chemical Proc. Eng. (UDSM).
Mr. Seuri S. Kilakoi	MSc. Energy and Environmental Engineering (CIMAV, Mexico) B. Eng. Mechanical (DIT), FTC Mechanical Eng. (MTC).
Mr. Samwel E. Mwasanjobe	B. Eng. Mechanical MUST), Dip. Marine. Eng. (Mbegani).
Mr. Kraison M. Ntenga	Diploma in Marine. Eng. (Mbegani)
Mr. Paulo S. Zebedayo	B. Eng. Mechanical (MUST), Diploma in Mechanical Eng. (MUST)
Mr. Michael T. Mwakyonya	ADAE Automotive engineering (NIT), DAE Automotive Eng. (NIT)
Mr. Shabani H. Mdende	ADAE (NIT), FTC Mech. Eng. (DIT), Adv. Vehicle Inspection, Road Safety and Accident Analysis (NIT). Teacher’s vocational certificate (MVTTC).

Technician

Mr. Widson K. Mwasenga	M.Tech of alternate Hydro energy systems (IITR), B. Eng. Mechanical (MUST), FTC. Mechanical. Eng. (MTC).
Mr. Emmanuel S. Sakalan	Diploma in Mechanical Eng. (ATC),
Mr. Sikudhan L. Mpuhus	B.Eng. Mechanical. (MUST), Diploma in Mech. Eng. (MIST).
Mr. Hamisi M. Egari	Diploma in Automotive Eng. (ATC).
Mr. Nsajigwa L. Mbamba	Diploma in Mechanical Eng. (MUST).

Artisan

Mr. Ulimboka Kamwela.	Trade Test Grade I in Motor Vehicle Mechanics
Mrs. Palestina Ndelwa.	Trade Test Grade II in welding and Metal Fabrication

*On study leave

8.1.6.3 COURSE MODULES

8.1.6.3.1 MECHANICAL ENGINEERING

A. NTA 4: Basic Technician in Mechanical Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	5
SBT 04103	Introduction to Technical Communication	3
SBT 04104	Elementary Theories of Entrepreneurship Development	3
MMT 04104	Fundamentals of ICT	5
MMT 04105	Computer application software	6
Core Modules		
MET 04101	Basic Technical Drawing	5
MET 04102	Fundamentals of Engineering Materials	6
MET 04103	Introduction to Engineering Mechanics	5
MMT 04102	Fundamentals of Automotive Technology	5
MET 04105	Workshop Technology	9
EET 04108	Fundamentals of Electrical Engineering	5
TOTAL		62

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04201	Polynomials, Matrices and Binomial theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	3
MMT 04207	Basic Computer programming	5
Core Modules		
MET 04201	Technical Drawing	5
MET 04202	Technology of Metals	7
MET 04203	Mechanical Engineering Science	5
MMT 04206	Vehicle Routine Maintenance	11
MET 04205	Machine tools	12
IPTM 04	Industrial Practical Training	10
TOTAL		68

B. NTA 5: Technician in Mechanical Engineering**Semester 1**

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05101	Statistics, Logarithms and Trigonometry	5
SBT 05102	Heat and Simple Harmonic Motion	5
SBT 05103	Technical Communication	2
SBT 05104	Entrepreneurship and Simple Business Projects	3
Core Modules		
MET 05101	Technical Engineering Drawing	6
MET 05102	Engineering Materials	6
MET 05103	Strength of Materials	6
MET 05104	Vehicle Transmission System	9
MET 05105	Metal Fabrication Processes	12
MET 05106	Machine Elements and Design	3
MET 05107	Thermodynamics	4
MET 05108	Engineering Measurements & Instrumentations	7
IPTM 05	Industrial Practical Training	10
TOTAL		78

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05201	Series, Vector and Calculus	5
SBT 05202	Electrolysis, Fluid mechanics and Strength of Materials	5
SBT 05203	Fundamentals of Oral and Written Technical Communication	2
Core Modules		
MET 05201	Engineering Drawing	6
MET 05204	Auto-electrical System	12
MET 05205	Metal Forming Processes	10
MET 05206	Mechanical Drives	9
MET 05207	Fluids Mechanics	3
TOTAL		52

C. NTA 6: Ordinary Diploma in Mechanical Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06101	Vector and coordinate Geometry	7
SBT 06104	Entrepreneurship	3
Core Modules		
MET 06101	Machine Drawing	5
MET 06106	Transmission Components Design	5
MET 06109	Power Generation	3
MET 06110	Fundamentals of Refrigeration	9
MET 06111	Production Technology	11
MET 06113	Environmental Engineering	3
MET 06114	Introduction to Mechatronics	6
MET 06115	Project Design	8
TOTAL		60

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06201	Logic and Statistics	7
SBT 06202	Organic compounds	7
Core Modules		
MET 06201	Computer Aided Drafting	6
MET 06206	Product Design	5
MET 06209	Power Production Components	5
MET 06210	Fundamentals of Air-conditioning	9
MET 06214	Programmable Logic Controllers	6
MET 06215	Workshop Management	3
MET 06216	Project Fabrication	7
MET 06217	Industrial Accidents and Prevention	8
TOTAL		63

8.1.6.3.2 MECHANICAL ENGINEERING WITH INDUSTRIAL SAFETY AND OCCUPATIONAL HEALTH

A. NTA 4: Basic Technician in Mechanical Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	5
SBT 04103	Introduction to Technical Communication	3
SBT 04104	Elementary Theories of Entrepreneurship Development	3
MMT 04104	Fundamentals of ICT	5
MMT 04105	Computer application software	6
Core Modules		
MET 04101	Basic Technical Drawing	5
MET 04102	Fundamentals of Engineering Materials	6
MET 04103	Introduction to Engineering Mechanics	5
MMT 04102	Fundamentals of Automotive Technology	5
MET 04105	Workshop Technology	9
EET 04108	Fundamentals of Electrical Engineering	5
TOTAL		62

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04201	Polynomials, Matrices and Binomial theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	3
MMT 04207	Basic Computer programming	5
Core Modules		
MET 04201	Technical Drawing	5
MET 04202	Technology of Metals	7
MET 04203	Mechanical Engineering Science	5
MMT 04206	Vehicle Routine Maintenance	11
MET 04205	Machine tools	12
IPTM 04	Industrial Practical Training	10
TOTAL		68

B. NTA 5: Technician in Mechanical Engineering

Semester 1

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05101	Statistics, Logarithms and Trigonometry	5
SBT 05102	Heat and Simple Harmonic Motion	5
SBT 05103	Technical Communication	2
SBT 05104	Entrepreneurship and Simple Business Projects	3
Core Modules		
MET 05101	Technical Engineering Drawing	6
MET 05102	Engineering Materials	6
MET 05103	Strength of Materials	6
MET 05104	Vehicle Transmission System	9
MET 05105	Metal Fabrication Processes	12
MET 05106	Machine Elements and Design	3
MET 05107	Thermodynamics	4
MET 05108	Engineering Measurements & Instrumentations	7
TOTAL		68

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05201	Series, Vector and Calculus	5
SBT 05202	Electrolysis, Fluid mechanics and Strength of Materials	5
SBT 05203	Fundamentals of Oral and Written Technical Communication	2
Core Modules		
MET 05201	Engineering Drawing	6
MET 05204	Auto-electrical System	12
MET 05205	Metal Forming Processes	10
MET 05206	Mechanical Drives	9
MET 05207	Fluids Mechanics	3
IPTM 05	Industrial Practical Training	10
TOTAL		62

C. NTA 6: Ordinary Diploma in Mechanical Engineering with Industrial Safety and Occupational Health.

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06101	Vector and coordinate Geometry	7
SBT 06104	Small Enterprise Management	3
Core Modules		
MET 06116	Industrial Accidents and Prevention	8
MET 06117	Occupational Health	8
MET 06118	Fire Prevention and Control	9
MET 06101	Machine Drawing	5
MET 06109	Power Generation	3
MET 06113	Environmental Engineering	3
MET 06115	Safety Project	8
MET 06119	Safety Maintenance	9
TOTAL		63

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06201	Logic and Statistics	7
SBT 06202	Organic compounds	7
Core Modules		
MET 06201	Computer Aided Drafting	6
MET 06215	Workshop Management	3
MET 06216	Risk Management	6
MET 06217	Industrial Safety Practices	11
MET 06218	Safety Project*	11
MET 06219	Workplace health and safety induction	11
TOTAL		65

8.1.6.3.3 MECHATRONICS

A. NTA 4: Basic Technician Certificate in Mechatronics Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	5
SBT 04103	Introduction to Technical Communication	3
SBT 04104	Elementary Theories of Entrepreneurship Development	3
MMT 04104	Fundamentals of ICT	5
MMT 04105	Computer application software	6
Core Modules		
MET 04101	Basic Technical Drawing	5
MET 04102	Fundamentals of Engineering Materials	6
MMT 04101	Fundamentals of Engineering Mechanics	6
MMT 04102	Fundamentals of Automotive Technology	5
MMT 04103	Mechanical Workshop Practice	8
EET 04108	Fundamentals of Electrical Engineering	5
TOTAL		59

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 04201	Polynomials, Matrices and Binomial theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	3
MMT 04207	Basic Computer programming	5
Core Modules		
MET 04201	Technical Drawing	5
MMT 04202	Fundamentals of Electronics	8
MMT 04203	Fundamentals of auto-electric system	5
MMT 04204	Basic Mechatronics	5
MMT 04205	Electrical Workshop Practices	9
MMT 04206	Vehicle Routine Maintenance	11
IPTM 04	Industrial Practical Training	10
TOTAL		71

B. NTA 5: Technician Certificate in Mechatronics Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05101	Statistics, Logarithms and Trigonometry	5
SBT 05103	Technical Communication	2
SBT 05102	Heat and Simple Harmonic Motion	5
SBT 05104	Entrepreneurship and Simple Business Projects	3
Core Modules		
MET 05101	Technical Engineering Drawing	6
MET 05103	Strength of Materials	3
MMT 05101	Machine Design	8
MET 05108	Engineering Measurements & Instrumentations	6
MMT 05103	Electrical Circuit Analysis	6
MMT 05104	Electro-Mechanical Maintenance	10
MMT 05105	Industrial Electronics	9
TOTAL		63

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 05201	Series, Vector and Calculus	5
SBT 05203	Fundamentals of Oral and Written Technical Communication	2
Core Modules		
MET 05201	Engineering Drawing	6
MMT 05201	Electric Machines	9
MET 05202	Programmable Logical Controller (PLC) Systems	6
MMT 05202	Computer Aided Design (CAD)	6
MMT 05203	Computer Aided Manufacturing (CAM)	8
MMT 05204	Computer Programming	6
MMT 05206	Basic Auto-Mechatronics	9
IPTM 05	Industrial Practical Training	10
TOTAL		67

C. NTA 6: Ordinary Diploma in Mechatronics Engineering

Semester 1

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06101	Vector and coordinate Geometry	7
SBT 06104	Small Enterprise Management	3
Core Modules		
MMT 06101	Sensors and Transducer Technology	10
MMT 06102	Actuator Technology	9
MMT 06103	Maintenance of Mechatronics Systems	11
MMT 06104	Basic Automation and robotics Technology	9
MMT 06105	Control Systems	6
MET 06113	Environmental Engineering	3
MMT 06106	Mini-Project	9
TOTAL		67

Semester II

Fundamental Modules		
Module Code	Module Name	Credit
SBT 06201	Logic and Statistics	7
SBT 06202	Organic compounds	7
Core Modules		
MMT 06201	Quality Control and Costing Management	6
MMT 06202	Power Electronics and Electrical Drives	10
MMT 06203	Project	16
MET 06217	Industrial Accidents and Prevention	8
TOTAL		54

8.1.7 ORDINARY DIPLOMA OFFERED BY MUST- RUKWA CAMPUS

- iv. Ordinary Diploma in Automotive Engineering
- v. Ordinary Diploma in Civil Engineering
- vi. Ordinary Diploma in Highway Engineering

8.1.7.1 COURSE MODULES

8.1.7.1.1 AUTOMOTIVE ENGINEERING

A. NTA 4: Basic Technician in Automotive Engineering

Semester II

Fundamental Modules		
Code	Module	Credits
GST 04101	Algebra and Trigonometry	05
GST 04102	Mechanics and Nuclear Physics.	06
GST 04103	English Language Basics.	04
Core Modules		
MET 04101	Basics of Engineering Drawing	05
MET 04102	Mechanical Engineering Materials	09
AET 04101	Basics of Automotive Technology	12
MET 04105	Basics of Manufacturing Engineering.	13
AET 04102	Fundamentals of Electrical and Electronics Engineering	08
TOTAL		62

Semester II

Fundamental Modules		
Code	Module	Credits
GST 04201	Series and Boolean Algebra	05
GST 04202	Gender and HIV	04
GST 04203	Microcomputer Application	06
Core Modules		
MET 04201	Pictorial, Orthographic and Auxiliary Projections	05
MET 04203	Mechanical Engineering Science.	06
AET 04203	Automotive Systems, Operation and Maintenance.	13
MET 04205	Machine Tools/Processes and Maintenance.	12
AET 04202	Industrial Practical Training.	10
TOTAL		60

B: SUMMARY OF MODULES:**NTA LEVEL 05: Technician Certificate in Automotive Engineering****Semester I**

Fundamental Modules		
CODE	MODULE	CREDITS
GST 05101	Differential and Integration	05
GST 05102	Thermal Energy, Waves and Organic Compounds	06
GST 05103	Introduction to Programming Using C language	06
Core Modules		
MET 05101	Sectioning, Development and Interpenetration	06
MET 05103	Strength of Materials	04
MET 05105	Welding and Metal Fabrication	10
MET 05106	Basics of Machine Elements and Design	05
MET 05107	Engineering Thermodynamics	04
AET 05105	Basics of Engine Managements	12
TOTAL		58

Semester II

Fundamental Modules		
CODE	MODULE	CREDITS
GST 05201	Matrices, Complex Numbers and Vectors	05
GST 05202	English Language Skills	04
GST 05203	Basics of Entrepreneurship	04
GST 05204	Introduction to Networking	04
Core Modules		
MET 05201	Detail and Assembly Drawing	06
AET 05206	Basics of Automotive Diagnosis	12
MET 05205	Foundry and Metal Forming	10
MET 05207	Fluid Mechanics	03
MET 05208	Measurements, Instrumentation and Control Technology	05
MET 05209	Industrial Practical training	10
TOTAL		63

C: SUMMARY OF MODULES:**NTA LEVEL 06: Ordinary Diploma in Automotive Engineering****Semester I**

Fundamental Modules		
CODE	MODULE	CREDITS
GST 06101	Coordinate Geometry and Differential Equations.	06
GST 06102	Correspondence, Interpersonal skills and Report Writing	04
Core Modules		
MET 06101	Fundamental of CAD	06
AET 06108	Automotive Engineering Science	13
MET 06106	Machine Elements and Design	06
MET 06109	Power Production	06
AET 06109	Auto Electrical and Electronic Systems	14
MET 06113	Environmental Engineering	03
AET 06110	Project- Design	04
TOTAL		52

Semester II

Fundamental Modules		
CODE	MODULE	CREDITS
GST 06201	Linear Programming, Statistics and Probability	06
GST 06204	Enterprises Management	06
Core Modules		
MET 06208	3D Modelling using SOLIDWORKS software	06
AET 06211	Automotive Workshop Management	08
AET 06212	Automotive Diagnosis.	08
AET 06225	Engine Electronic Control Systems	12
AET 06226	Project Work	14
TOTAL		60

8.1.7.1.2 CIVIL ENGINEERING

A: NTA LEVEL 4: Basic Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	3
SBT 04103	Introduction to Technical Communication	3
COT 04105	Basic Computer Applications I	2
Core Modules		
CET 04101	Civil Engineering Materials (Theory – I)	6
CET 04102	Soil Mechanics – I	6
CET 04103	Engineering Drawing-I.	9
CET 04104	Workshop Practice – I	12
CET 04105	Building Construction –I	6
CET 04106	Road construction-I	6
TOTAL		58

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomial Theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	2
COT 04210	Basic Computer Applications II	2
Core Modules		
CET 04201	Civil Engineering materials (Practical-I)	6
CET 04204	Workshop Practice – II	12
CET 04205	Building Maintenance – I	4
CET 04206	Road Maintenance – I	4
CET 04207	Structural Mechanics – I	6

CET 04208	Land Surveying – I	8
FPT 04	Field Practical Training	10
TOTAL		64

B. NTA LEVEL 5: Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	5
SBT 05102	Waves and Oscillations	5
SBT 05103	Technical Communication skills	2
SBT 05104	Introduction to entrepreneurship	2
COT 05105	Basic Computer Applications III	2
Core Modules		
CET 05101	Structural Mechanics – II	6
CET 05102	Civil Engineering Materials (Theory-II)	3
CET 05103	Soil Mechanics – II	6
CET 05104	Workshop Practice –III	9
CET 05105	Engineering Drawing-II	6
CET 05106	Pavement Design and Construction	6
CET 05107	Building construction –II	4
TOTAL		56

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical prop. & Fluid Mechanics	4
SBT 05203	Fundamentals of Technical Communication	2
SBT 05204	Globalization and Social Change	2
COT 05210	Basic Computer Applications IV	3
Core Modules		
CET 05208	Reinforced Concrete Design – I	8
CET 05209	Quantity Surveying	6
CET 05210	Civil Eng. Materials (Practical-II)	6
CET 05211	Road Maintenance – II	3

CET 05212	Building Maintenance – II	3
CET 05213	Construction Management – I	3
CET 05214	Water Supply and Sanitation – I	3
CET 05215	Land Surveying – II	6
FPT 05	Field Practical Training	10
TOTAL		65

C. NTA LEVEL 6: Ordinary Diploma in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06101	Vector and coordinate Geometry	5
SBT 06102	Heat and Thermodynamics	5
SBT 06104	Entrepreneurship	4
COT 06105	Basic Computer Applications V	2
Core Modules		
CET 06102	Introduction to Foundation Engineering	6
CET 06105	Building Construction – III	5
CET 06107	Reinforced Cement Concrete Design – II	6
CET06109	Estimation and Costing	6
CET 06110	Construction Management II	4
CET 06111	Water Supply and Sanitation – II	6
CET 06112	Fluid Mechanics and Hydraulics – I	6
CET 06113	Timber Structural Design	7
CET 06115	Project – I	8
TOTAL		70

Semester –II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 06201	Logic and Statistics	5
SBT 06202	Organic compounds	5
Core Modules		
CET 06201	Building Materials	3
CET 06205	Building Construction – IV	5
CET 06207	Reinforced Cement Concrete Design – III	6
CET 06210	Construction Management – III	4

CET 06211	Water Supply and Sanitation - III	5
CET 06212	Fluid Mechanics and Hydraulics II	6
CET 06214	Steel Structural Design	8
CET06215	Project II	10
TOTAL		57

8.1.7.1.3 HIGHWAY ENGINEERING:

A. NTA LEVEL 4: Basic Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04101	Basics of Calculus, Logarithms and Number Systems	5
SBT 04102	Introduction to Mechanics	3
SBT 04103	Introduction to Technical Communication	3
COT 04105	Basic Computer Applications I	2
Core Modules		
CET 04101	Civil Engineering Materials (Theory – I)	6
CET 04102	Soil Mechanics – I	6
CET 04103	Engineering Drawing-I.	9
CET 04104	Workshop Practice – I	12
CET 04105	Building Construction –I	6
CET 04106	Road construction-I	6
TOTAL		58

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 04201	Polynomials, Matrices and Binomial Theorem	5
SBT 04202	Essentials of Mechanics	5
SBT 04203	Fundamentals of English Grammar	2
COT 04210	Basic Computer Applications II	2
Core Modules		

CET 04201	Civil Engineering materials (Practical-I)	6
CET 04204	Workshop Practice – II	12
CET 04205	Building Maintenance – I	4
CET 04206	Road Maintenance – I	4
CET 04207	Structural Mechanics – I	6
CET 04208	Land Surveying – I	8
FPT 04	Field Practical Training	10
TOTAL		64

B. NTA LEVEL 5: Technician in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05101	Linear programming and Trigonometry	5
SBT 05102	Waves and Oscillations	5
SBT 05103	Technical Communication skills	2
SBT 05104	Introduction to entrepreneurship	2
COT 05105	Basic Computer Applications III	2
Core Modules		
CET 05101	Structural Mechanics – II	6
CET 05102	Civil Engineering Materials (Theory-II)	3
CET 05103	Soil Mechanics – II	6
CET 05104	Workshop Practice –III	9
CET 05105	Engineering Drawing-II	6
CET 05106	Pavement Design and Construction	6
CET 05107	Building construction –II	4
TOTAL		56

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
SBT 05201	Calculus	6
SBT 05202	Mechanical prop. & Fluid Mechanics	4
SBT 05203	Fundamentals of Technical Communication	2
SBT 05204	Globalization and Social Change	2
COT 05210	Basic Computer Applications IV	3

Core Modules		
CET 05208	Reinforced Concrete Design – I	8
CET 05209	Quantity Surveying	6
CET 05210	Civil Eng. Materials (Practical-II)	6
CET 05211	Road Maintenance – II	3
CET 05212	Building Maintenance – II	3
CET 05213	Construction Management – I	3
CET 05214	Water Supply and Sanitation – I	3
CET 05215	Land Surveying – II	6
FPT 05	Field Practical Training	10
TOTAL		65

NTA 6: Ordinary Diploma in Highway Engineering

Semester I

Fundamental Modules		
CODE	MODULE	CREDITS
GSD 06101	Coordinate Geometry and Differential Equations	4
GSD 06102	Correspondence, and Report Writing	4
Core Modules		
TET 06120	Route design	9
TET 06121	Pavement Materials	9
TET 06122	Traffic and Transportation Engineering	9
TET 06123	Basic Bridge Construction and maintenance	6
TET 06124	Soil Mechanics and foundations	9
CET 06123	Structural Timber Design	6
TET 06125	Project I (Project Proposal)	5
TOTAL		61

Semester II

Fundamental Modules		
CODE	MODULE	CREDITS
GSD 06201	Linear Programming, Statistics and Probability	3
GSD 06202	Enterprise Management	6
Core Modules		
TET 06226	Social and Environmental Management	6

CET 06226	Hydraulics and fluid mechanics	9
TET 06227	Construction Management and Procurement Practice	9
TET 06228	Pavement Engineering	9
CET 06230	Structural Steel Design	9
TET 06229	Project(Report)	5
TET 06230	Industrial Training	10
TOTAL		66

8.2 COLLEGE OF ENGINEERING AND TECHNOLOGY (CET)

8.2.1 DEPARTMENT OF SETTLEMENT PLANNING AND DESIGNING TECHNOLOGY

Programmes

The Department offers the following Programmes:

- a) Higher Diploma in Technology in Architecture – UQF 6 (1 year). & UQF 7 (2 years).
- b) Bachelor Degree of Technology in Architecture- UQF 8 (1 year)

8.2.1.1 LIST OF STAFF

Mr.Kassim A. Choga, M. Arch. (Ardhi Univ.), PGD Arch (ArdhiUniviversity.) Advanced Diploma Arch. (Ardhi Institute).

(Head of Department)

Lecturers

Dr.Buberwa M. Tibesigwa PhD Eng. In Architecture.(Chongqing University, China), M.Arch. (HIT China) B.Arch. (Ardhi Univ.),

Dr.Juma A. Mpangule PhD in Civil Engineering and Construction Management (Technical University Dortmund, Germany), MSc. Const. mgt (ARU), BSC (BE) – UDSM

Dr. Idasi Kiondo Mweteni PhD in Arch. (ARU), MSc Eng. (Theory of Arch & History), AD Arch. (ArdhiInst),

Assistant Lecturers

Mr.VivianoFyito MSc.In Urban Plan.& MGT (ARU), PGD in Urban Plan & MGT. (UDSM), AD BE (Ardhi Inst), Dip. Tech. Ed. (Dar Tech. Coll.)

Mr.Sweve P. Malifa,	M. Arch (ARU), PGD in Urban Design & MGT. (UDSM), Adv. Dip. Arch. (Ardhi Inst).
Mr.Kassim A. Choga,	M. Arch. (Ardhi Univ.), PGD Arch (Ardhi Univ.) AD Arch. (Ardhi Inst).
*Mr.Yonna Justin,	MSc. Constr. Econ. & MGT. (ARU) B.ScBE (UDSM).
Mr. Emmanuel J. Liombo,	M.Arch. (Univ. of Nairobi – Kenya.), B.Arch. (UDSM).
Mr. Israel J. Mayage	Msc. Housing (ARU), B. Arch (UDSM)
Mr. Mbasu Segelela	Msc. Housing (ARU), B. Arch (UDSM)
Mr. Moses Moyo	MSc. Mat. Sc. & Eng. Nelson Mandela (NMAIST), B. Sc. Civil (UDSM)
*Mr. Justine Katabaro	M. Eng. In Arch. (ChongQing Univ. – China), B. Arch. (Tianjin Univ. – China),

Tutorial Assistants

Mr.Lameck G. Mollel	B. Arch. (ARU)
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Instructors

Mr. Gasper Massawe	B. Tech. Arch. (MIST), Dipl. Arch. (MIST).
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*On study leave.

8.2.1.2 COURSE MODULES**A. UQF 6 Technology in Architecture****Semester 1**

Module Code	Module Name	Credits
ARB1101	Computer Aided Design I	6
ARB1103	Construction Surveying	5
ARB1104	Structural Mechanics	6
ARB1105	History of Architecture	5
ARB1108	Basics of Architectural Design	6
ARB1110	Architectural Draughting	15
ARB1112	Professional Practice and Management I	5
ARB1114	Building Materials I	5
ARB1116	Architectural Structures & Building Construction I	5
TOTAL		58

Semester II

Module Code	Module Name	Credits
ARB1202	Computer Aided Design II	6
ARB1206	History of Architecture	5
ARB1207	Structural Design	6
ARB1209	Principles of Architectural Design	5
ARB1213	Professional Practice and Management II	5
ARB1215	Building Material I	5
ARB1211	Architectural Draughting II	15
ARB1217	Architectural Structures & Building Construction II	5
TOTAL		52

B. UQF7 Higher Diploma in Technology in Architecture

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
GSB2101	Linear Algebra and calculus	6
GSB2105	Communication skills	6
GSB2105	Computer Programming I	4
Core Modules		
ARB2101	Design theories I	4
ARB2105	Development of Architecture	4
ARB2107	Service & installation I	3
ARB2108	Building Structures I	3
ARB2109	Construction Detailing I	3
ARB2111	Design studio I	8
ARB2113	Building Renovation and Maintenance I	3
ARB2114	Building law and Regulations I	3
ARB2115	Construction Economics I	3
ARB2116	Urban Design I	3
ARB2119	Material Science I	5
ARB2110	Building Construction & Technology I	4
TOTAL		62

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
GSB2202	Advanced Calculus	6
GSB2204	Introduction to Management Skills I	6
GSB2205	Computer Programming II	4
Core Modules		
ARB2201	Design theories II	3
ARB2202	Advanced CAD I	3
ARB2206	Product manufacture Technology I	6
ARB2207	Service & installation II	3
ARB2208	Building Structures II	3
ARB2209	Construction Detailing II	3
ARB2211	Design studio II	8
ARB2217	Model making I	3
ARB2213	Building Renovation and Maintenance II	2
ARB2214	Building law and Regulations II	2
ARB2215	Construction Economics II	3
ARB2212	Material Science II	5
ARB2210	Building Construction & Technology II	3
ARBI72	Industrial Practical Training	10
TOTAL		73

Semester III

Fundamental Modules		
Module Code	Module Name	Credits
GSB3103	Differential Equations	6
GSB3104	Introduction to Management Skills I	6
Core Modules		

ARB3102	Advanced CAD II	3
ARB3103	Simulation Technology I	4
ARB3104	Environmental Control & Sustainability	3
ARB3106	Product manufacture Technology II	5
ARB3107	Service & installation III	3
ARB3109	Construction Detailing III	3
ARB3110	Building Construction & Technology III	3
ARB3111	Design studio III	8
ARB3112	Building Renovation and Maintenance III	3
ARB3117	Model Making I	4
ARB3119	Research Methods	3
ARB3120	Project I	11
TOTAL		65

Semester IV

Fundamental Modules		
Module Code	Module Name	Credits
GSB3204	Statistics & Numerical Analysis	6
GSB3206	Entrepreneurship Education	6
Core Modules		
ARB3202	Advanced CAD III	4
ARB3203	Simulation Technology II	4
ARB3204	Environmental Control & Sustainability II	3
ARB3206	Product manufacture Technology III	5
ARB3214	Building Law & Regulations III	3
ARB3220	Project II	14
ARB3218	Architectural Practice	4
ARB3210	Building Construction & Technology IV	3
ARB3274	Industrial Practical Training	10
TOTAL		54

C UQF 8 Bachelor Degree of Technology in Architecture

Semester I

Core Modules		
Module Code	Module Name	Credits
ARB4122	Design Principles	4
ARB4123	Structural Analysis and Design	6
ARB4124	Alternative energy design	6
ARB4107	Service & installation IV	4
ARB4106	Product manufacture technology IV	6
ARB4125	Disaster management II	6
ARB4118	Architectural practice III	6
ARB4126	Dissertation part I	24
TOTAL		62

Semester II

Core Modules		
Module Code	Module Name	Credits
ARB4207	Architectural Practice IV	4
ARB4208	Dissertation Part II	44
ARB4209	Industrial Practical Training	10
TOTAL		58

8.2.2 DEPARTMENT OF BUILT ENVIRONMENT ENGINEERING

Programmes

The Department offers the following Programmes:

- a) Higher Diploma in Civil Engineering – UQF 6 (1 year). & UQF 7 (2 years).
- b) Bachelor of Civil Engineering – UQF 8 (1 year).

8.2.2.1 LABORATORIES AND WORKSHOPS

- i. Pneumatic and Hydraulics Laboratory
- ii. Soil and Materials Testing Laboratory
- iii. Land Surveying Laboratory

8.2.2.2 LIST OF STAFF

Mr. Joseph K. Mnkeni, MSc. Highway Eng. (UDSM), PGD Highway. Eng. (UDSM), ADE Civil Eng. (DIT) FTC Civil Eng. (TCA)

(Head of Department)

Professor:

Prof. Joseph Msambichaka, PhD (Dortmund), MSc. (UDSM), B.Eng. (Mysore),

Senior Lecturer

Dr. Zacharia Katambara, PhD WRE (Witwatersrand-South Africa), MSc. WRE Eng. (UDSM), BSc Civil Eng. (UDSM),

Lecturers:

Dr. Muya Somo Mgaza, PhD. Geotechnical Eng. (HUST). MSc. Geotechnical Eng. (HUST), BSc. Geology (UDSM),

Mr. Yazidi H. Mwishwa, MEM (UDSM), PGD (UDSM), ADE Civil Eng. (DIT), FTC Civil Eng. (TCA),

*Dr. Mwajuma I. Lingwanda, PhD Geotechnical Eng. (UDSM), MSc. Highway Eng. (UDSM), PGD Highway Eng. (UDSM), ADE Civil Eng. (DIT). FTC Archt. (MTC),

Dr. Duwa H. Chengula PhD Materials Science (Kassel University – Germany), MSc. Highway Eng. (UDSM) BSc. Civil Eng. (UDSM), FTC Civil Eng. (MTC),

Dr. Gislar Kifanyi, PhD WRE (Tshwane University of Technology – SA), MEM. (UDSM), PGD (UDSM), BSc Civil Eng. (UDSM),

Assistant Lecturers

Mr. George Lupakisyo MSc .WRE (UDSM), BSc Civil Eng. (UDSM),.

Mr. Ramadhani S. Tekka MEM (UDSM), BSc Geomatics (ARU),

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Mr. Joseph K. Mnkeni, MSc. Highway Eng. (UDSM), PGD Highway. Eng. (UDSM), ADE Civil Eng. (DIT) FTC Civil Eng. (TCA)

Mr. Mohamed J. Mohamed PGD Transportation Eng. (UDSM), ADE Civil Eng. (DIT), FTC Civil Eng. (DTC)

*Mr. Edmund Mutayoba MSc. Water Resources Management (UDSM), BSc. Environmental Science (SUA)

Mr.JapharyShengeza	MSc Construction Economics & Management (ARU), Bsc, Building Economics (UDSM)
Mr.OmariShegwando,	MSc. Water Resources Management (ARU), BSc. Civil Eng. (UDSM)
*Mr. Martin Swila,	MSc. Structural Eng. (UDSM), BSc. Civil (Eng.), (UDSM)
Mr.Asson S. Malisa	MSc. Materials Science Eng, (NMAIST); BSc. Civil Eng. (UDSM)
Mr. Ivor J. Ndimbo	M.Tech. Water Resources Dev. (IIT-Roorkee INDIA); BSc. Civil Eng. (UDSM)
*Mr.ParticeNyangiMkono	MSc. Civil Eng. (University of Science and Technology HouariBoumediene – ALGERIA),BSc. Civil Eng. (University of Science and Technology HouariBoumediene – ALGERIA).

*On study leave

Tutorial Assistants

Mr.Venance R. Mwandupe	Beng. Civil (MIST), FTC Civil Eng. (MTC),
Ms Shamsa M. Nassibu	Beng.Civil (MUST), FTC Civil Eng. (TCA).

8.2.2.3 COURSE MODULES

A. UQF 6 Civil Engineering

Semester I

Code	Module title	Credits
CEB 1101	Engineering Drawing I	9
CEB 1102	Construction Technology – I (Masonry, Brickwork and painting)	12
CEB 1103	Building Construction- I	9
CEB 1104	Soil Mechanics	6
CEB 1105	Structural Mechanics I	3
CEB 1106	Land Surveying I	6
CEB 1107	Civil Engineering Materials –I	6
CEB 1108	Road Construction and Maintenance I	4
TOTAL		55

Semester II

Code	Module title	Credits
CEB 1209	Engineering Drawing II	6
CEB 1210	Construction Technology – II (Plumbing, Welding, Electrical Installation)	6
CEB 1211	Building Construction-II	6
CEB 1212	Structural Mechanics II	3
CEB 1213	Land Surveying II	6
CEB 1214	Civil Engineering Materials – II	6
CEB 1215	Road Construction And Maintenance II	8
CEB 1216	Water Supply And Sanitation	6
CEB 1217	Workshop Practice	8
CEB IPT 1	Industrial Practical Training	10
TOTAL		65

B. UQF 7 Higher Diploma in Civil Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
GSB 2101	Linear Algebra and Calculus	6
GSB 2105	Communication Skills	4
COB 2102	Data Structure Computer Programming	6
Core Modules		
CEB 2101	Engineering Survey-I	9
CEB 2102	Construction Technology	6
CEB 2103	Fluid Mechanics	9
CEB 2104	Civil Engineering Materials I	6
CEB 2105	Mechanics of Structures	4
CEB 2106	Engineering Geology	4
CEB 2107	Concrete Technology	6
TOTAL		60

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
GSB 2202	Advanced Calculus	6
COB 2202	Object Oriented Programming	6
Core Modules		
CEB 2208	Engineering Survey II	9
CEB 2209	Fluid Mechanics and Hydraulics	9
CEB 2210	Building Planning and Drawing	6
CEB 2211	Structural Analysis I	4
CEB 2212	Civil Engineering Materials II	3
CEB 2213	Soil Mechanics	9
CEB 2214	Engineering Hydrology	4
CEB IPT 02	Industrial Practical Training	10
TOTAL		66

Semester III

Fundamental Modules		
Module Code	Module Name	Credits
GSB 3103	Differential Equations	6
Core Modules		
CEB 3115	Quantity Survey I	6
CEB 3116	Structural Analysis II	6
CEB 3117	Geometric Design and Traffic Engineering	9
CEB 3118	Reinforced Concrete Design & Detailing-I	9
CEB 3119	Foundation Engineering	9
CEB 3120	Highway Engineering Materials	6
TOTAL		51

Semester IV

Fundamental Modules		
Module Code	Module Name	Credits
GSB 3204	Statistics and Numerical Analysis	6
GSB 3206	Entrepreneurship Education I	6
Core Modules		
CEB 3222	Quantity Surveying II	6
CEB 3223	Reinforced Concrete Design & Detailing-II	9
CEB 3224	Construction Management	6
CEB 3225	Water Supply Engineering	6
CEB 3226	Contract Planning and Administration	4
CEB 3227	Pavement Design and Construction	9

CEB 3228	Research Methodology	4
CEB IPT 03	Industrial Practical Training	10
TOTAL		66

C. UQF 8: Bachelor of Civil Engineering

Semester I

Core Modules		
Module Code	Module Name	Credits
CEB 4128	Engineering Economics	9
CEB 4129	Structural Steel Design	6
CEB 4130	Waste Water Management	6
CEB 4131	Pavement Maintenance	3
CEB 4132	Construction of Multi-Storey Structures	6
CEB 4136	Building Services	6
CEB P 01	Project 1	18
TOTAL		54
Elective Modules		
Module Code	Module Name	Credits
CEB 4133	Pre-stressed Concrete Design	6
CEB 4134	Irrigation Engineering	6
CEB 4135	Bridge Design and Construction	6
TOTAL		18

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
GSB 8201	Entrepreneurship Education II	6
Core Modules		
CEB 4237	Design of Masonry and Retaining Structures	6
CEB 4238	Structural Timber Design	6
CEB 4239	Solid Waste Management	6
CEB 4240	Industrial Building Construction	6
CEB 4242	Hydraulic Structures	6
CEB P 02	Project II	18
TOTAL		54
Elective Modules		
Module Code	Module Name	Credits
CEB 4241	Transportation Engineering	6
CEB 4243	Water Resources Management	6
TOTAL		12

8.2.3 DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Programmes

The Department offers the following Programmes:

- c) Higher Diploma in Electrical and Electronics Engineering – UQF 6 (1 year). & UQF 7 (2 years).
- a) Bachelor of Electrical and Electronics Engineering – UQF 8 (1 year).

8.2.3.1 LIST OF STAFF

Mr.Sospeter I. Gabriel, MSc. Elect. Eng. (UDSM), B. Eng. Elect. (DIT), FTC Elect. Eng. (DIT)

(Head of Department)

Lecturers

Dr. John P. John, PhD. Energy Eng. (Berlin Tech. University-Germany), MSc. Elect. Eng. (UDSM), B. Eng. Elect. (DIT), FTC. (ATC)

Mr. Arthur Mngoma Omari, MSc Elec. Eng. (Kharkov State Technical University of Agriculture-Ukraine), Tech. Ed. (Morogoro)

Assistant Lecturers

Mr. Watson E. Yotham, MSc. Elect. Eng. (UDSM), BSc. Elect. Eng. (UDSM), Tech. Ed. (Morogoro)

Mr. Owdean M. Suwi, Msc. Elect. Eng. (UDSM), BSc. Elect Eng., (UDSM). Tech. Ed. (Morogoro)

Mr. Sospeter I. Gabriel, MSc. Elect. Eng. (UDSM), B. Eng. Elect. (DIT), FTC Elect.Eng. (DIT)

**Mr. Zephania A.D. Chaula, MSc. Elect. Eng. (Donetsk State University Ukraine), FTC Electrical (DTC).

Ms. Scholastica C. Loppa, MEM, PGD Elect. Eng. (UDSM), ADE Elect.Eng, FTC (ATC), Tech. Ed. (Morogoro)

Mrs. Janeth M. Tesha, Msc. Elect. Eng. (UDSM), PGD Elect.Eng. (UDSM), ADE Elect.Eng, (DTC), FTC (ATC), Tech. Ed. (Morogoro)

Mr. Bonaventura Matuntera Siko, MSc Elect Eng. (Varma High Institute of Mechanical and Electrical Engineering-Bulgaria; FTC in Electronics & Telecommunication (DTC)

Mr. Vincet Venance Massawe, MSc Elect.Eng. (St. Petersburg State Polytechnical University-Russia); BSc Elect. Eng. (Russia); FTC in Mech. Eng. (ATC)

Mr. Godwin Mnkeni, MSc. Elect. Eng. (UDSM), ADE Elect. Eng. (DIT), Dip. Elect. Eng. (Kidatu), Tech. Ed. (Morogoro)

Mr..Exaud Tweve,	MSc. Elect. Eng. (UDSM), ADE Elect.Eng. (DIT), FTC Elect. Eng. (MTC)
Mr. Nicholas G. Moyo,	MSc. Elect. Eng. (UDSM), ADE (Elect. Eng. (DIT), FTC (ATC)
*Mr. Daniel A. Sinkonde,	MSc.ICSE (NM-AIST, TZ).B.Eng ECE (St. JCET); FTC in Mech Eng. (MTC).
*Charles Okanda Nyatega	M.Eng. (Tianjin University – CHINA). B.Eng in Telecom Eng (Huazhong University of Science and Technology, Wuhan China); FTC in Electrical Eng (MTC).
*Mr. Ally J. Ally,	M.Eng. (Tianjin University – CHINA)
Mr. Geofrey Katema,	ME Signal & Infor. Processing (TUTE– CHINA), B. Eng. ECE (St. JCET)
Mr. Ayubu H.Mbaga,	ME Signal & Infor. Processing (TUTE– CHINA), B. Eng. ECE (St. JCET)
Mr. Zacharia B. Mzurikwao,	ME Signal & Infor. Processing (TUTE– CHINA), B. Eng. EEE (St. JCET)

*On study leave

** On Secondment

8.2.3.2 COURSE MODULES

A. UQF 6 Electrical and Electronic Engineering

Semester I

Code	Module Title	Credits
EEB 1101	Electrical Measurements I	5
EEB 1102	Fundamentals of Electronics I	6
EEB 1103	Electrical Power I	6
EEB 1104	Electrical Machines I	6
EEB 1105	Computer Application I	4
EEB 1106	W/shop Technology & Practice I	9
EEB 1107	Technical Drawings I	4
EEB 1108	Basics of Electrical Engineering	6
EEB 1109	Electrical Installation and Safety	6
EEB 1110	Electrical Engineering Materials	6
TOTAL		58

Semester II

Code	Module Title	Credits
CORE MODULES		
EEB 1201	Electrical Measurements II	4
EEB 1202	Fundamentals of Electronics II	6
EEB 1203	Electrical Power II	6
EEB 1204	Electrical Machines II	6
EEB 1205	Computer Application II	5
EEB 1206	W/shop Technology & Practice II	9
EEB 1207	Technical Drawings II	4
EEB 1208	Electrical Maintenance	6
EEB 1209	Basics of Control Engineering	6
EEB IPT 1	Industrial Practical Training	10
TOTAL		62

B. UQF 7 Higher Diploma in Electrical and Electronic Engineering

Semester I

Fundamental Modules		
Code	Module Title	Credit
GSB 2101	Linear Algebra and Calculus	6
GSB 2102	Communication Skills	6
Core Modules		
EEB 2101	Electrical network analysis I	6
EEB 2102	Engineering drawing I	6
EEB 2103	Electrical Measurement and Instrumentation.	6
EEB 2104	Analogue electronics I	6
EEB 2105	Engineering electromagnetic I	6
EEB 2106	Mechanics of machines I	5
EEB 2107	Power Plant	6
EEB 2108	Introduction to engineering software	5
TOTAL		58

Semester II

Code	Module Title	Credit
GSB 2202	Advanced Calculus	6
Sub Total₁		6
Core Modules		
Code	Module Title	Credit
EEB 2201	Electrical network analysis II	6
EEB 2202	Engineering drawing II	6

EEB 2203	Electrical power transmission and distribution I	7
EEB 2204	Analogue electronics II	6
EEB 2205	Engineering electromagnetic II	6
EEB 2206	Mechanics of machines II	5
EEB 2207	Electrical Engineering Materials.	4
EEB 2208	Basics of Computer systems engineering	3
EEB 2209	Object Oriented Programming	3
EEB IPT 2	Industrial Practical Training I	10
TOTAL		62

Semester III

Fundamental Modules		
Code	Module Title	Credit
GSB 3101	Differential Equations	6
GSB 3102	Entrepreneurship Education for Engineers 1	6
Core Modules		
EEB 3101	Electrical Machines I	7
EEB 3102	Control systems engineering I	6
EEB 3103	Electrical power transmission and distribution II	7
EEB 3104	Electrical power systems I	6
EEB 3105	Power electronics I	6
EEB 3106	Digital Electronics I	6
EEB 3107	Computer programming	5
EEB 3108	Basics of analogue telecommunication	4
TOTAL		59

Semester IV

Fundamental Modules		
Code	Module Title	Credit
GSB 3201	Statistics and Numerical Analysis	6
EEB 3207	Environmental Engineering	4
Core Modules		
EEB 3201	Electrical machines II	7
EEB 3202	Control systems engineering II	6
EEB 3203	Microprocessor	5
EEB 3204	Electrical power systems II	7
EEB 3205	Power electronics II	6
EEB 3206	Digital electronics II	6
EEB 3208	Basics of digital Telecommunication	4

EEB IPT 3	Industrial Practical Training II	10
TOTAL		61

**C. UQF 7 Bachelor in Electrical and Electronic Engineering
Semester I**

Code	Module Title	Credit
Fundamental Modules		
EEB 4106	Engineering economics and Management I	6
Core modules		
EEB 4101	Electrical Machine III	8
EEB 4102	Control systems engineering III	9
EEB 4103	Electrical safety and Maintenance	8
EEB 4104	Programmable Logic Controller	7
EEB 4105	Power Electronics III	8
EEB 4107	Project I	14
TOTAL		60

Semester II

Code	Module Title	Credit
Fundamental Modules		
EEB 4206	Engineering economics and management II	6
EEB 4205	Laws for Engineers	6
Core modules		
EEB 4201	Electrical drives	9
EEB 4202	Digital systems engineering	7
EEB 4203	High voltage Engineering	8
EEB 4204	Switchgear and Protection Engineering	8
EEB 4207	Project II	16
EEB 4209	Renewable Energy Technologies	6
TOTAL		60

8.2.4 DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

Programmes

The Department offers the following Programmes:

- a) Higher Diploma in Computer Engineering – UQF 6 (1 year). & UQF 7 (2 years).
- b) Bachelor of Computer Engineering – UQF 8 (1 year Programme).

8.2.4.1 LIST OF STAFF

Senior Lecturers

Mr. Phesto P. Namayala MSc in Comp (HU, UK), BSc with Comp (UDSM)

(Head of Department)

Senior Lecturers

Dr. Lusajo M. Minga PhD Mngt. Sc. & Eng. (HIT, China), M.Sc. Econ. (DPI, USSR) FTC (ATC), Teach. Cert. (Morogoro).

Lecturers

Dr. Julius Rwakarambi PhD Comp. Sc. (SJTU, China), MSc. Comp. Sc. (SHU, China) BSc. Ed. (UDSM)

Assistant Lecturers

Mr. Stanley Leonard MSc (UDOM), BSc Comp. Eng. (DIT)

Mr. Godfrey Kayombo MSc (UDOM), BSc Comp. Eng. (DIT)

*Mr. Aziz Singa MSc (UDOM), BSc Comp. Eng. (SJUIT)

Mr. Justin A. Mwakatobe MSc (PWR, Poland)

*Mr. Francis Ruambo MSc (HU, Sweden), MSc (SPSU, RUSSIA)

*Mr. Nabahani B. Hamadi MSc (KHNURE, Ukraine)

Ms. Juliana Mbuke MSc (HUST, CHINA), BSc (IFM)

*Mr. Sadiki L. Kusyama MSc. (NM-AIST, TZ). BSc Comp. Eng. (DIT)

*On study leave

8.2.4.2 COURSE MODULES

A. UQF 6 Computer Engineering

Semester I

Module Code	Module Name	Credits
Fundamental Modules		
EEB 1106	Basic Electronics	5
EEB 1108	Basic of Electrical Engineering	5
COB 1103	Workshop Technology	5
COB 1104	Engineering drawing	4
Core Modules		
COB 1101	Computer Systems Maintenance and Repair	10
COB 1102	Computer Network	10
COB 1105	Computer Application	3
EEB 1101	Computer Programming	5
MET 1205	Microprocessor Technology	5
COB 1106	Operating System	5
TOTAL		57

Semester II

Module Code	Module Name	Credits
Fundamental Modules		
COB 1205	Data Communication	5
COB 1206	Sequential Circuit	5
COB 1207	Introduction to Automation and control	8
Core Modules		
COB 1201	Introduction to Software Engineering	6
COB 1202	Introduction to Multimedia	6
COB 1210	Network Management	8
COB 1204	Introduction to system Analysis and Design	8
COB 1209	Web design and Hosting	6
COB IPT 1	Industrial Practical Training	10
TOTAL		62

B. UQF 7 Higher Diploma in in Computer Engineering

Semester I

Fundamental Modules		
Module Code	Module Name	Credits
EEB 2120	Electrical Fundamentals	6
GMB 2111	Linear Algebra and Advanced Calculus	12
MEB 2113	Engineering Mechanics	9
GCB 2111	Communication Skills	12
Core Modules		
COB 2111	Digital Systems	12
ETB 2116	Introduction to Communication Systems	12
ETB 2115	Electronic Devices	9
COB 2114	Data Structure and Computer Programming	12
TOTAL		84

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
EEB 2216	Measurements and Instrumentation	9
MEB 2226	Industrial Management	6
MEB 2223	Mechanics of Machines	9
GMB 2221	Calculus	12
Core Modules		
ETB 2227	Communication Systems	6
ETB 2211	Analogue Electronics	12
COB 2223	Computer Networks	12
COB 2224	Microprocessor	12
COB 2225	Computer System Engineering	12
COB IPT 2231	Industrial Practical Training (IPT)	12
TOTAL		102

Semester III

Fundamental Modules		
Module Code	Module Name	Credits
GMB 3131	Finance and Human Resource Management	6
GMB 3131	Statistics and Numerical Analysis	12
Core Modules		

ETB 3122	Electronic Circuits	12
ETB 3118	Electronic Fabrication	12
COB 3133	Data base Systems	12
COB 3134	Introduction to Control System	12
COB 3135	Computer System Design	12
COB 3136	Operating Systems	12
TOTAL		90

Semester IV

Module Code	Module Name	Credits
MEB 3246	Engineering Operations Management	6
GMB 3242	Statistics and Numerical Analysis	12
Core Modules		
COB 3241	Signal Processing	6
COB 3242	Object Oriented Programming	12
COB 3243	Control System Design	12
COB 3244	Multimedia Application Production	12
COB 3245	Industrial Automation	12
COB 3246	System Analysis and Design	12
COB IPT 3242	Industrial Practical Training (IPT) III	12
TOTAL		96

C. UQF 8: Bachelor of Computer Engineering

Semester I

Code	Module Name	Credits
COB 4111	Internet Technologies	6
COB 4112	Computer Graphics	6
COB 4113	Robotics Intelligent System	6
COB 4114	Real Time System Design	6
COB 4115	Expert System and Interactive multimedia	6
COB 4116	Software Engineering	6
ME 416	Law of Engineers	6
COB 4117	Senior Project 1	18
TOTAL		60

Semester II

Code	Module Name	
COB 4221	User Interface Design	6
COB 4222	Computer Networks and Telegraphic Engineering	12
COB 4223	Design Embedded Processor Systems	6
COB 4224	Industrial Robotics	12
MEB 4226	Entrepreneurship for Engineers	6
COB 4227	Senior Project 2	18
TOTAL		60

8.2.5 THE DEPARTMENT OF ENERGY AND PRODUCTION ENGINEERING

Programmes

The Department offers the following Programmes:

- a) Higher Diploma in Mechanical Engineering – UQF 7 (3 years Programme).
- b) Bachelor of Mechanical Engineering – UQF 8 (1 year Programme).

8.2.5.1 LIST OF STAFF

Mr.Silla W. Livifile MSc Prod. Eng (UDSM), PGDE Mech (UDSM), ADE Mech. (MIST), FTC Mech. Eng. (TCA).

(Head of Department)

Professors:

Prof.OsmundKaunde PhD (Leeds), MSc. (Leeds), BSc.(Eng) (UDSM).

Senior Lecturers

Dr. Alexander. Mtawa PhD Mech. Eng. SMS (CPUT, SA), MSc Tech. of M/C. Eng. (SOFIA, Bulgaria), FTC Mech. Eng. (TCA)

Dr. Duncan A. Mwakipesile PhD in Energy Engineering (UDSM), MSc Tech. of M/C. Eng. (RUSSE, Bulgaria)

Lecturers

Mr. Wilson Kiunsi MEM, (UDSM), BSc. Mech. Eng. (UDSM),FTCMech (TCA)

Assistant Lecturers

*Mr.Wambura Mwita MSc Mech. Eng (CPUT-SA), BSc –Mech (UDSM)

*Mr. Joel Mbwiga MSc Renewable Energy Eng. (UDSM) BSc Electro. –Mech (UDSM)

Mr. Emmanuel Mwangomo MSc Renewable Energy. Eng (UDSM), BSc Energy Eng., (UDSM), Dipl Ed. (Kleruu)

*Mr. Raphael Iddiphonce MSc Renewable Energy. Eng (UDSM), BSc. Mech. Eng. (UDSM)

*Mr.Masoud Kamoleka	MSc Renewable. Energy Eng. (UDSM), BSc. Electro-Mech. Eng. (UDSM)
Mr.Joram Ngilangwa	MSc Prod. Eng (UDSM), BSc. Mech. Eng. (UDSM), FTC Mech. Eng. (MTC).
Mr.Addi Palilo,	MSc Prod. Eng (UDSM), PGDE Mech (UDSM), ADE Mech. (DIT), DTE (DIT), FTC Mech. Eng. (TCA).
Mr.Vicent Marwa	MSc Energy Eng. (UDSM), PGDE Mech, ADE Mech. (MIST), FTC Auto. Eng. (TCA).
Mr. Israel Komba	PGDE Mech. (UDSM), ADE Mech. (DIT), DTE Mech. (Kleruu), FTC Mech. Eng. (DIT).
Mr. Mathew Mbaule,	PGDE Mech. (UDSM), ADE Mech. (MIST), FTC Mech. Eng. (MTC).
*Mr.Ballo Mwendapole	MSc Energy Eng. (UDSM), PGDE Mech. (UDSM), ADE Mech. (MIST), FTC Mech. Eng. (MTC).
Mr.Lekamere N. Kariwa	MSc Renewable Energy Eng. (UDSM), B. Eng. Mechanical. (DIT) DTE. (Kreluu), FTC Automotive Eng. (TCA).
Mr. Alvin K. Mulashani	MSc. Oil and Gas Dev. Eng.(Xi'an Shiyou, China), BSc. Mech. Eng. (MIST).

* On Study Leave

**Secondment

8.2.5.2 COURSE MODULES

A. UQF 6 Diploma in Mechanical Engineering

Semester 1

Code	Module Title	Credits
MEB 1101	Engineering Drawing I	8
MEB 1102	Engineering Materials	6
MEB 1103	Machine Elements and Design I	6
MEB 1104	Manufacturing Engineering I	15
MEB 1105	Power Production I	6
MEB 1106	Strength of Materials	6
MEB 1107	Computer Application	5
MEB 1108	Environmental Engineering	3
TOTAL		55

Semester II

Code	Module Title	Credits
MEB 1201	Engineering Drawing II	8
MEB 1202	Computer Aided Drafting	6
MEB 1203	Machine Elements and Design II	6
MEB 1204	Manufacturing Engineering II	15
MEB 1205	Automotive Technology	12
MEB 1206	Mechatronics	6
MEB 1207	Power Production II	6
MEB IPT 1	Industrial Practical Training	10
TOTAL		69

B. UQF 7 Mechanical Engineering

Semester 1

Fundamental Modules		
Module Code	Module Name	Credits
GSB 2101	Engineering Maths. I(Linear Algebra &Analysis)	6
GSB 2201	Communication Skills	3
EEB 2205	Electrical Machines	6
Sub Total Credit		15
Core Modules		
MEB 2101	Computer Aided Drafting	9
MEB 2102	Strength of Materials I	7
MEB 2103	Mechanics of Machines	6
MEB 2104	Engineering Thermodynamics	6
MEB 2105	Machine Elements and Design I	7
MEB 2106	Workshop Technology	7
TOTAL		57

Semester II

Fundamental Modules		
Module Code	Module Name	Credits
GSB 2102	Eng. Maths. II (Advanced Calculus)	6
COB 2102	Computer Networking	7
Sub Total Credit		13
Core Modules		
MEB 2207	Machine Elements and Design II	7
MEB 2208	Strength of Materials II	7
MEB 2209	Materials Technology	6
MEB 2210	Fluid Mechanics	6

MEB 2211	Industrial Management	6
IPTB 2212	Industrial Practical Training	10
Sub Total Credits		42
TOTAL		55

Semester III

Fundamental Modules		
Module Code	Module Name	Credits
GSB 3103	Eng. Maths. III (Differential Equations)	6
GSB 3131	Entrepreneurship	4
Sub Total Credits		10
Core Modules		
MEB 3113	Systems Reliability and Plant Maintenance	7
MEB 3114	Dynamics of Mechanical Structures	7
MEB 3115	Finance and Human Resources Management	6
MEB 3116	Industrial energy Management	6
MEB 3117	Metal cutting and Machine tools I	7
MEPR 3118	Project I	11
Sub Total Credits		43
TOTAL		53

Semester IV

Fundamental Modules		
Module Code	Module Name	Credits
GSB 3204	Eng. Maths. IV (Numerical and Statistics Analysis)	6
Total Credit		6
Core Modules		
MEB 3219	Industrial Automation	6
MEB 3220	Engineering Design	6
MEB 3221	Computer Aided Engineering (CAE)	9
MEB 3222	Engineering Operations Management	6
MEB 3223	Heat Transfer	7
MEB 3224	Metal Cutting and Machine Tools II	7
MEPR3225	Project II	11
IPT II 3226	Industrial Practical Training	10
Sub Total Credits		62
TOTAL		68

B. UQF 8: Bachelor of Mechanical Engineering

Semester 1

Core Modules		
Module Code	Module Name	Credits
MEB 4101	Control Systems Engineering	4
MEB 4102	Fluid Power and Control	6
MEB 4103	Power Plants	6
MEB 4104	Material Handling Design	6
MEB 4105	Turbo Machinery	6
MEB 4106	Production Engineering	4
MEB 4107	Refrigeration Machine and Air conditioning III	6
MEB 4108	Engine Design Technology I	6
SPR 8109	Senior Project I	18
TOTAL CREDITS		62

Semester II

Core Modules		
Module Code	Module Name	Credits
MEB 4210	Quality Assurance and Control	4
MEB 4211	Renewable Energy Technologies	6
MEB 4212	Engineering Ethics and Professional Conduct.	4
MEB 4213	Automation and Robotics	6
MEB 4214	Engine Design Technology II	6
MEB 4215	Foundry Technology	4
MEB 4216	Refrigeration and Air Conditioning IV	6
MEB 4217	Computer Aided Manufacturing (CAM)	6
SPR 8218	Senior Project II	18
GSB8206	Entrepreneurship for Engineers	6
TOTAL		66

8.3 SCHOOL OF HUMANITIES AND BUSINESS MANAGEMENT

8.3.1 DEPARTMENT OF BUSINESS MANAGEMENT

Programmes

The Department offers the following Programmes:

- (a) Ordinary Diploma in Business Administration
- (b) Higher Diploma in Business Administration – UQF level 7 (2 years program).
- (c) Bachelor of Business Administration – UQF Level 8 (1 year program).

8.3.1.1 LIST OF STAFF

Mr. Phillip Maghembe MBA (Mzumbe); Advanced Diploma in Accountancy (TIA)

(Head of Department)

Senior Lecturers

Dr. Vicent T. Kipene PhD (SUA); MBA (SUA), BSc. Agr. Ed (SUA), Dip Ed. (Monduli).

Dr. Asheri Mwidege PhD (SUA); MA Econ. BSc. Ed. (UDSM), Dip. In Ed. (Mkwawa)

Lecturers

Dr. Raphael Ngetuya PhD (MZUMBE); MBA (Corporate Management) (MZUMBE); BA (Ed) (UDSM)

Dr. Lulu Luflenge PhD (PJ TSAU); MA (Rural Development) (SUA); BSc (Home Economics and Human Nutrition) (SUA)

Mr. Abbas Y. Sanga MARD (SUA); Bed (UDSM); Accounting technician certificate (DSA)

Mr. Yohana J. Sesabo MBA (Mzumbe); BBA (Marketing) (MZUMBE)

Ms. Herieth J. Rogath MSc (Industrial Logistics) (Molde, Norway); MSc International Trade (UDSM); BSc (Urban and Regional Planning) (UCLAS)

Assistant Lecturers

Mr. Andrew S. Kasasi MSc (Phy) (UDSM), BSc (Educ) (UDSM), Dipl. Educ (Mkwawa).

Mr. Galus A. Kitapankwa MEED (UDSM), Bed. Sc. (UDSM)

*Ms. Angela Aluko MBA (UDOM), BSC. Food Science & Tech (SUA)

Mr. Said M. Msangi MBA (UDSM), BA (UDSM)

Ms. Albentina Leonard MBA (Finance & Banking) Mzumbe, BA.Ed (UDSM)

Ms.Ukende Kingu	MBA (UDSM), BSc. Food Science & Tech (SUA).
Mr. Evans J. Lupenza	MBA (OUT), B.Com (UDSM), DACA, (Moshi Coop. College).
Ms. Patricia WanguiFela	MA (Linguistics) (UDSM); Bed (Arts) (Kenyatta University
Mr. John Fika Mogha	MBA (Mzumbe); BSc (Agricultural Education and Extension) (SUA)
*Mr.Lazaro Kagata	MSc (Development Policy) (Mzumbe), BSc (Education) (UDSM); BSc (Environmental Sciences and Management) (SUA);
Mr. Baraka M. Nkoko	MA (Linguistics) (UDSM); BA Ed (English & Linguistics (UDSM)

Tutorial Assistant

*Mr. Stephen Matiku BBA (MUST)

* On study leave

8.3.1.2 COURSE MODULES

A. UQF LEVEL 7 Higher Diploma in Business Administration

FIRST YEAR

Semester I

Module Code	Module Name	Credits
BMH 07101	Communication Skills	10
BMH 07102	Development Studies	10
HRH 07101	Principles of Management	10
PSH 07101	Procurement and Supply	10
MKH 07101	Principles of Marketing	10
BMH 07103	Microeconomics	10
TOTAL		60

Semester II

Module Code	Module Name	Credits
BMH 07204	Information and Communication Technology	10
BMH 07205	Macroeconomics	10
FAH 07201	Principles of accounting	10
BMH 07206	Business Mathematics	10
BMH 07207	Introduction to Business laws	10
MKH 07209	Theories of Entrepreneurship	10
TOTAL		60

BBA – Procurement and Supply Chain Management**Semester III**

Module Code	Module Name	Credits
PSH 07303	Procurement Principles and Management	10
PSH 07304	Warehousing Management	9
PSH 07308	E-Procurement and E- Supply Chain Management	10
BMH 07310	Quantitative Techniques	10
BMH 07312	Managerial Economics	10
FAH 07304	Auditing and Investigation	10
BMH 07313	Project Planning	10
TOTAL		69

BBA – Marketing and Entrepreneurship**Semester III**

Core Modules		
Module Code	Module Name	Credits
MKH 07303	Small Business Management	10
MKH 07304	Sales Management	10
PSH 07308	E-Procurement and E – Supply Chain Management	10
BMH 07313	Project Planning	10
BMH 07312	Managerial Economics	10
BMH 07310	Quantitative Techniques	10
Elective module		
FAH 07305	Money and Banking	9
PSH 07304	Warehousing Management	9
TOTAL		69

BBA – Human Resource Management**Semester III**

Module Code	Module Name	Credits
HRH 07302	Principles of Human Resource Management	10
HRH 07303	Human Resource Planning	10
HRH 07304	Human Resource Staffing	9
HRH 07306	Human Resource Training and Development	10
BMH 07312	Managerial Economics	10
BMH 07310	Quantitative Techniques	10
BMH 07313	Project Planning	10
TOTAL		69

BBA – Accounting and Finance**Semester III**

Module Code	Module Name	Credits
FAH 07302	Financial Accounting	8
FAH 07304	Auditing and Investigation	8
FAH 07305	Money and Banking	7
FAH 07306	Contemporary Issues in Accounting	8
FAH 07312	Accounting and Software Package	8
BMH 07312	Managerial Economics	10
BMH 07310	Quantitative Techniques	10
BMH 07313	Project Planning	10
TOTAL		69

BBA – Procurement and Supply Chain Management**Semester IV**

Core Modules		
Module Code	Module Name	Credits
PSH 07405	Public Procurement	9
PSH 07406	Inventory Control and Management	9
PSH 07407	Strategic Procurement	10
BMH 07411	Research Methodology	10
PSH 07402	Principles of Store Administration	10
MKH 07405	International Business	10
BMH 07117	Field Practical Training	8
Elective module		
MKH 07406	Business Planning and development	10
HRH 07411	Production Management	10
TOTAL		76

BBA – Marketing and Entrepreneurship**Semester IV**

Module Code	Module Name	Credits
MKH 07406	Business Planning and Development	9
MKH 07407	Creativity and Innovation in Business	10
MKH 07405	International Business	10
MKH 07410	E- Marketing Infrastructure	9
FAH 07408	Management Accounting	10
BMH 07411	Research Methodology	10
HRH 07411	Production Management	10
BMH 07117	Field Practical Training	8
TOTAL		69

BBA – Human Resource Management**Semester IV**

Core Modules		
Module Code	Module Name	Credits
HRH 07307	Leadership in Human Resource Management	10
HRH 07408	Career Planning and Management	9
HRH 07409	Employment and Labour Relations	9
FAH 07408	Management Accounting	10
BMH 07411	Research Methodology	10
HRH 07411	Production Management	10
BMH 07117	Field Practical Training	8
Elective module		
MKH 07406	Business Planning and development	10
MKH 07405	International Business	10
TOTAL		76

BBA – Accounting and Finance**Semester IV**

Module Code	Module Name	Credits
FAH 07407	International Finance	9
FAH 07408	Management Accounting	10
FAH 07409	Taxation	10
FAH 07410	Advanced Financial Accounting	10
FAH 07411	Financial Management	9
FAH 07403	Cost Accounting	10
BMH 07411	Research Methodology	10
BMH 07117	Field Practical Training	8
TOTAL		76

B. Bachelor of Business Administration**BBA – Procurement and Supply Chain Management****Semester I**

Module Code	Module Name	Credits
BMB 08116	Research Project	32
BMB 08115	Field Practical Training II	20
TOTAL		52

BBA – Marketing and Entrepreneurship

Semester I

Module Code	Module Name	Credits
BMB 08116	Research Project	32
BMB 08115	Field Practical Training II	20
TOTAL		52

BBA – Human Resource Management

Semester I

Module Code	Module Name	Credits
BMB 08116	Research Project	32
BMB 08115	Field Practical Training II	20
TOTAL		52

BBA – Accounting and Finance

Semester I

Module Code	Module Name	Credits
BMB 08116	Research Project	32
BMB 08115	Field Practical Training II	20
TOTAL		52

BBA – Procurement and Supply Chain Management

Semester II

Module Code	Module Name	Credits
PSB 08209	Strategic Supply Chain Management	9
PSB 08210	International Procurement	7
PSB 08211	Procurement And Supply Audit	8
PSB 08212	Procurement Contract Management	9
PSB 08213	Legal Aspect Of Procurement	8
BMB 08208	Business Communication	10
PSB 08214	Clearing and Forwarding	8
FAB 08215	Risk Management	10
TOTAL		69

Semester II BBA – Marketing and Entrepreneurship

Module Code	Module Name	Credits
MKB 08211	Service Marketing	10
MKB 08212	Consumer Behaviour	10
MKB 08213	Marketing Research	10
MKB 08214	E- Marketing Process	9

MKB 08215	Strategic Marketing	10
BMB 08208	Business Communication	10
MKB 08216	Consumer Marketing and Brand Management	10
TOTAL		69

BBA – Human Resource Management**Semester II**

Module Code	Module Name	Credits
HRB 08212	Occupation Health and Safety	7
HRB 08213	Employments and Labour Laws	7
HRB 08214	Human Resources Management Information Systems	8
HRB 08215	Compensation and Performance Management	7
HRB 08218	Organizational Behaviour	10
BMB 08208	Business Communication	10
HRB 08217	Management Consultancy Skills	10
HRB 08210	Strategic Management	10
TOTAL		69

BBA – Accounting and Finance**Semester II**

Module Code	Module Name	Credits
FAB 08213	Corporate Finance	10
FAB 08214	Advanced Cost and Management Accounting	10
HRB 08218	Organizational Behaviour	10
HRB 08210	Strategic Management	10
FAB 08215	Risk Management	10
BMB 08214	Business Management Information System	9
BMB 08208	Business Communication	10
TOTAL		69

8.4. COLLEGE OF SCIENCE AND TECHNICAL EDUCATION

8.4.1 DEPARTMENT OF NATURAL SCIENCE

Programmes

The Department is expected to offer the following Programmes:

- a. Bachelor of Science with Education
- b. Bachelor of Laboratory Science and Technology

8.4.1.1 LIST OF STAFF

Colletha Y. Mengo MSc. (Zoology) UDSM, Bachelor of Science with Education UDSM

Head of Department

Lecturers

Isack Kibona PhD. (Mathematics) Central of China Normal University, MSc Mathematical Modelling (UDSM), Bachelor of Science with Education (UDSM)

Assistant Lecturers

Mohamed H. Mohamed MSc. (Mathematics) African Inst. For mathematical Science, Bachelor of Science in Mathematics University of Dodoma

Yasin Kaunda Kowa MSc. (Mathematics) Nelson Mandela, Bachelor of Education Mathematics (TEKU)

*Khamis N. Ally MSc. (Chemistry) Sakarya University Turkey, Bachelor of Chemistry Sakarya University Turkey

*Mlyashimbi Helikumi MSc. (Mathematics) UDSM, Bachelor of Education in Science (UDSM)

Violet Godwin Saria MSc. (Mathematics) Nairobi University, Bachelor of Science with Education UDSM

Beatha Nkonyani MSc. (Mathematics) UDSM, Bachelor of Science with Education UDSM

Colletha Y. Mengo MSc. (Zoology) UDSM, Bachelor of Science with Education UDSM

Omega A. Vicent MSc. (Marine Sciences) UDSM, Bachelor of Science in Aquatic Environmental Science and Conservation UDSM

Gideon.E.Rwabona MSc. (Mathematics) African Inst. For Mathematical Science, Bachelor of Education Mathematics - Teofilo Kisanji

Bushen Dome MSc. (Mathematics) Nelson Mandela, Bachelor of Education Mathematics (TEKU)

Guntram M. Wagofya MSc. (Statistics) UDOM, Bachelor of Science in Statistics UDOM

Phenson Justine MSc (Chemistry) Hebrew University of Jerusalem, Bachelor of Science in Chemistry UDOM

Azaria L. Stephano MSc (Chemistry) Hebrew University of Jerusalem, Bachelor of Science in Chemistry
UDOM

Ndaki M. Manyanza MSc. (Biology) UDOM, Bachelor of Science in Biology UDOM

Tutorial Assistant

Charles Johnstone BSc (Ed) UDSM

Kombo A. Kombo BSc. In Education (Physics & Maths) Muslim University

TumikiaR.Sanga BSc. (Biology & Chemistry)

Victor F. Sanga BSc. (Biology & Chemistry) Sokoine Universtiy of Agriculture

Amosi Makoye S, BSc (Chemistry) UDOM,

*On study leave

8.4.1.2 COURSE MODULES

UQF Level 8 Bachelor Degree (Physics Courses)

Semester I Year I

Module Code	Module Name	Credits
NSPH1101	Natural Science Physics	10
NSPH1102	Natural Science Physics	12
TOTAL		22

Semester II Year I

Module Code	Module Name	Credits
NSPH1203	Natural Science Physics	8
NSPH1204	Natural Science Physics	12
TOTAL		20

Semester III YEAR 2

Module Code	Module Name	Credits
NSPH2105	Natural Science Physics	12
NSPH2106	Natural Science Physics	8
NSPH2107	Natural Science Physics	12
NSPH2108*	Natural Science Physics	8
TOTAL		40

Semester IV YEAR 2

Module Code	Module Name	Credits
NSPH2209	Natural Science Physics	12
NSPH2210*	Natural Science Physics	8
NSPH2211	Natural Science Physics	8
TOTAL		28

Semester V year 3

Module Code	Module Name	Credits
NSPH3112	Natural Science Physics	12
NSPH3113	Natural Science Physics	8
NSPH3114*	Natural Science Physics	8
NSPH3115*	Natural Science Physics	8
TOTAL		36

Semester VI Year 3

Module Code	Module Name	Credits
NSPH3216	Natural Science Physics	12
NSPH3317	Natural Science Physics	8
NSPH3218*	Natural Science Physics	10
NSPH3219*	Natural Science Physics	8
NSPH3220*	Natural Science Physics	8
TOTAL		192

UQF Level 8 Bachelor Degree (Chemistry Courses)

Semester I Year I

Module Code	Module Name	Credits
NSCH1101	Natural Science Chemistry	10
NSCH1102	Natural Science Chemistry	10
NSCH1103	Natural Science Chemistry	8
TOTAL		28

Semester II Year 1

Module Code	Module Name	Credits
NSCH1204	Natural Science Chemistry	12
NSCH1205	Natural Science Chemistry	8
NSCH1206	Natural Science Chemistry	10
TOTAL		30

Semester III Year 2

Module Code	Module Name	Credits
NSCH2107	Natural Science Chemistry	10
NSCH2108	Natural Science Chemistry	8
NSCH2109	Natural Science Chemistry	10
NSCH2110*	Natural Science Chemistry	12
TOTAL		40

Semester IV Year 2

Module Code	Module Name	Credits
NSCH2211	Natural Science Chemistry	12
NSCH2212	Natural Science Chemistry	12
NSCH2213	Natural Science Chemistry	10
NSCH2214	Natural Science Chemistry	8
NSCH2215*	Natural Science Chemistry	10
TOTAL		52

Semester V Year 3

Module Code	Module Name	Credits
NSCH3116*	Natural Science Chemistry	10
NSCH3117	Natural Science Chemistry	8
NSCH3118	Natural Science Chemistry	12
NSCH3119*	Natural Science Chemistry	10
TOTAL		40

Semester VI Year 3

Module Code	Module Name	Credits
NSCH3220	Natural Science Chemistry	12
NSCH3221*	Natural Science Chemistry	12
NSCH3222*	Natural Science Chemistry	12
TOTAL		36

UQF Level 8 Bachelor Degree (Biology Courses)**Semester I Year I**

Module Code	Module Name	Credits
NSBL 1101	Natural Science Biology	10
NSBL 1102	Natural Science Biology	08
NSBL 1103	Natural Science Biology	10
NSBL 1104	Natural Science Biology	08
TOTAL		36

Semester II Year 1

Module Code	Module Name	Credits
NSBL 1205	Natural Science Biology	12
NSBL 1206	Natural Science Biology	8
NSBL 1207	Natural Science Biology	8
NSBL 1208*	Natural Science Biology	10
TOTAL		38

Semester III Year 2

Module Code	Module Name	Credits
NSBL 2109	Natural Science Biology	10
NSBL 2110	Natural Science Biology	12
NSBL 2111*	Natural Science Biology	8
TOTAL		30

Semester IV Year 2

Module Code	Module Name	Credits
NSBL 2212	Natural Science Biology	10
NSBL 2213	Natural Science Biology	10
NSBL 2214	Natural Science Biology	8
TOTAL		28

Semester V Year 3

Module Code	Module Name	Credits
NSBL 2212	Natural Science Biology	10
NSBL 2213	Natural Science Biology	10
NSBL 2214	Natural Science Biology	8
TOTAL		28

Semester VI Year 3

Module Code	Module Name	Credits
NSBL 3219	Natural Science Biology	12
NSBL 3220	Natural Science Biology	10
NSBL 3221	Natural Science Biology	10
TOTAL		32

UQF Level 8 Bachelor Degree (Mathematics Courses)

Semester I Year 1

Module Code	Module Name	Credits
NSMT1101	Natural Science Mathematics	10
NSMT1102	Natural Science Mathematics	10
NSMT1103	Natural Science Mathematics	08
NSMT1104*	Natural Science Mathematics	10
NSMT1105*	Natural Science Mathematics	10
TOTAL		48

Semester II Year 1

Module Code	Module Name	Credits
NSMT1206	Natural Science Mathematics	10
NSMT1207	Natural Science Mathematics	10
NSMT1208	Natural Science Mathematics	10
NSMT1209*	Natural Science Mathematics	08
NSMT1210*	Natural Science Mathematics	10
TOTAL		48

Semester III Year 2

Module Code	Module Name	Credits
NSMT2111	Natural Science Mathematics	10
NSMT2112	Natural Science Mathematics	08
NSMT2113	Natural Science Mathematics	10
NSMT2114*	Natural Science Mathematics	10
TOTAL		38

Semester IV Year 2

Module Code	Module Name	Credits
NSMT2215	Natural Science Mathematics	10
NSMT2216	Natural Science Mathematics	10
NSMT2217	Natural Science Mathematics	10
NSMT2218*	Natural Science Mathematics	08
TOTAL		38

Semester V Year 3

Module Code	Module Name	Credits
NSMT3119	Natural Science Mathematics	10
NSMT3120	Natural Science Mathematics	10
NSMT3121	Natural Science Mathematics	08
NSMT3122*	Natural Science Mathematics	10
TOTAL		38

Semester VI Year 3

Module Code	Module Name	Credits
NSMT3223*	Natural Science Mathematics	08
NSMT3224	Natural Science Mathematics	10
NSMT3225*	Natural Science Mathematics	10
NSMT3226	Natural Science Mathematics	10
TOTAL		38

UQF Level 8 Bachelor Degree (Education Courses)

Semester I Year 1

Module Code	Module Name	Credits
NSED 1101	Natural Science Education	12
NSED 1102	Natural Science Education	12
TOTAL		24

Semester II Year 1

Module Code	Module Name	Credits
NSED 1203	Natural Science Education	12
NSED 1204	Natural Science Education	12
NSED 1205	Natural Science Education	12
TOTAL		24

Semester III Year 2

Module Code	Module Name	Credits
NSED 2106	Natural Science Education	12
NSED 2107	Natural Science Education	12
TOTAL		24

Semester IV Year 2

Module Code	Module Name	Credits
NSED 2108	Natural Science Education	12
NSED 2209	Natural Science Education	12
TOTAL		24

Semester V Year 3

Module Code	Module Name	Credits
NSED 3110	Natural Science Education	12
TOTAL		12

Semester VI Year 3

Module Code	Module Name	Credits
NSED 3211	Natural Science Education	12
TOTAL		12

CROSS CUTTING COURSESSS CUTTING COURSES

Semester I Year 1

Module Code	Module Name	Credits
NSCS 1101	Natural Science Communication Skills	8
NSDS 1102	Natural Science Development Studies	8
NSTS 1103*		8
NSTS 1105*		8
TOTAL		32

Semester II Year 1

Module Code	Module Name	Credits
NSST 1203		8
NSCT 1204		8
TOTAL		16

8.4.2. DEPARTMENT OF HEALTH SCIENCES AND TECHNOLOGY**Programmes**

The Department offers the following Programme:

- (a) Ordinary Diploma in Biomedical Equipment Engineering

8.4.2.1 LIST OF STAFF

Optatus Mwalongo MSc (Life Sciences & Bioengineering) Nelson Mandela, Bachelor with Education
UDSM

Head of Department**Assistant Lecturers**

Hudson Laizer MSc (Life Sciences & Bioengineering) Nelson Mandela, Bachelor of Science Wildlife
Management Sokoine University

*Benedethar Rugumisa MSc (Life Sciences & Bioengineering) Nelson Mandela, Bachelor of Science in
Biotechnology and Laboratory Sciences Sokoine University

*Gasparly Mwanyika MSc (Life Sciences & Bioengineering) Nelson Mandela - of Science in
Biotechnology and Laboratory Sciences Sokoine University

Optatus Mwalongo MSc (Life Sciences & Bioengineering) Nelson Mandela, Bachelor with Education
UDSM

Tutorial Assistant

Kadoke M. Kadoke BSc. Electronics and Telecommunication – St. Joseph

Christina L. Mwabeza BSc Computer engineering DIT

*On Study leave

8.4.2.2 COURSE MODULES**A. NTA level 4****Semester 1 Year 1**

Module Code	Module Name	Credits
GST 04101	Algebra	5
GST 04102	Basic Technical Communication Skills	2
CSET 04104	Computer Basics and Word Processing	2
SLTP 04101	Statics and Dynamics	3
	Total Fundamental Modules Credits	15

MET 04105	Workshop Technology	6
MET 04101	Basic Technical Drawing	9
EET 04102	Principles of DC Networks	9
ETT 04101	Basic Electronics	6
EEBT 04101	Human anatomy and Physiology	9
EEBT 04102	Introduction to Biomedical Field , Hospital Safety And Standards	6
TOTAL		45

Semester II Year 1

Module Code	Module Name	Credits
GST 04204	Trigonometry and Vectors	5
GST 04205	Communication Skills	2
CSET 04201	Spreadsheet and Database	2
SLTP 04201	Gravitation and Simple Harmonic Motion	3
Total Fundamental Modules Credits		15
EET 04202	Principles of AC Networks	12
ETT 04204	Electronic Circuits	12
EEBT04201	Doctors' Equipment	6
EEBT 04202	Basic Laboratory Equipment	6
EEBT 04203	Basic Theatre Equipment	6
EEBT 04204	Dental Equipment	6
EEBT 04205	Basic Intensive Care Unit Equipment	6
EEBT 04200	Industrial Practical Training	10
TOTAL		52

A. NTA level 5

Semester 1 year 2

Module Code	Module Name	Credits
GST 05101	Fundamental Rule of Counting, Matrices and Differentiation	3
GST 05102	Business Communication	2
SLTP 05101	Strength of Materials and Rotational Dynamics	3
GST 05103	Business Start Up and Management	3
CSET 05101	Presentation and Internet	2
Total Fundamental Credits		13
EEBT 05101	Patient Monitoring Equipment	9
EEBT 05102	Optician and Dentistry Equipment	9

EEBT 05103	Laboratory Analyzer equipment	9
EEBT 05104	Theatre Equipment	9
EET 05101	DC Machines	6
EET 05102	Industrial Electronics	12
EEBT 05102	Biomedical Instrumentation	12
TOTAL		60

B. NTA level 5**Semester II year 2**

Module Code	Module Name	Credits
GST 05204	Integration Statistics and Probability	5
GS 05205	Communication and Technical Presentations	2
SLTP 05201	Fluid Mechanics	3
GS 05206	Business Financial Management and Accounting	3
CST 05204	Basic Computer Application IV	2
Total Fundamental Credits		15
EEBT 05201	Fundamentals of XRAY and CTSCAN	9
EEBT 05202	Principles of Magnetic Resonance Imaging	9
EEBT 05203	Radiotherapy and Lithotripter	9
EEBT 05204	Dialysis and Ultrasound technology	9
EET 05203	Digital Electronics	6
EET 05201	AC Machines	6
IPT 05200	Industrial Training	10
TOTAL		61

(C) NTA LEVEL 6.**Semester 1 year 3**

Module Code	Module Name	Credits
GST 06101	Conic and Differential Equations	4
GST 06102	Engineering Study skills	2
SLT 06101	Electromagnetism	2
GST 06103	Formalisation, Internationalisation and Business	4
CSET 06101	Basic Computer Programming	2
Total Fundamental Module Credits		14
EEBT 06101	Biomedical Equipment Engineering Management	9
EEBT 06102	Biomedical computer Network and Data communication	9
EEBT 06103	Biomedical Equipment Project Data collection	10

EET 05208	Principles of Signal Modulation and demodulation	9
EET 06104	Electronic Design	6
CSET 05207	Microprocessor Technology	12
SLTP 06104	Laboratory Stores Management	6
TOTAL		67

NTA LEVEL 6.**Semester 1I year 3**

Module Code	Module Name	Credits
GST 06204	Complex number, Numerical methods and series	3
GST 06205	Technical Writings	1
SLT 06202	Heat and Thermodynamics	2
GST 06206	Business Planning	4
CSET 05205	Data Structure and file handling	2
Total Fundamental Module Credits		12
EEBT 06201	Training Methodology	6
ETT 06208	Communication System	9
EEBT 06203	Medical Device Standards	6
EEBT 06204	Work Ethics	2
EEBT 06205	Biomedical Equipment Project	10
TOTAL		67

8.4.3.0 DEPARTMENT OF TECHNICAL EDUCATION AND PSYCHOLOGY**Programmes**

The Department offers the following Programme:

- (a) Ordinary Diploma in Biomedical Equipment Engineering (3 Year)
- (b) Diploma in Technical Education (1 Year)
- (c) Postgraduate in Technical Education (1 Year)

8.4.3.1 LIST OF STAFF

Evarist Mahallah MSc. (Education) UDSM, BSc with Education UDSM

Head of Department**Assistant Lecturers**

Christer Burchard Msc. Ed (Education) Aga Khan University, BSc Education UDSM

Evarist Mahallah Msc (Education) UDSM, BSc with Education UDSM

Atida Mbingamno MED (Sc) Education UDSM, Bachelor of Education UDSM

Tutorial Assistant

Miriam G. Kaliwa BED Science (Biology) UDSM

Phares .D Petro BSC (Education, (MSc) University of Dodoma

William I. Mlelwa BSC Ed (Chemistry and Biology – UDSM

Paulo J. Ngayekamwe BSC Ed (Chemistry and Biology (India University)

Samweli S. Shimo BSc. (Biology) – UDSM

Almachius Rweyemamau BSc. (Chemistry & Biology – Ghana University)

Bugumba J.Majondo BSc Ed (Physics & Maths) – UDSM

Gisandu K. Malunguja BSc. Ed (Physics UDOM)

Chister Burchard MSc.Ed (Education)Aga Khan University, BSc Education UDSM

Trazias Herman MSc (Maths) African Inst. Of Science & Technology, BSc with
Education UDSM

Flola Kayuki MSc. (Education) St. Augustine University - Mwanza

DIPLOMA IN TECHNICAL EDUCATION (DTE)**8.4.3.2 COURSE MODULES**

COURSE CODE	COURSE TITLE	CREDITS
Semester 1		
DTED 1101	Vocational and Technical Education in Tanzania	9

DTED 1102	Psychology of Learning	9
DTED 1103	Methods of Teaching, assessment and evaluation	9
DTED 1104	Instructional Media	9
DTED 1105	Teaching Practice	9
DTED 1106	Instructional Techniques	9
DTED 1107	Curriculum Development	9
Semester 2		
DTED 1208	Workshop Planning and Management	9
DTED 1209	Preventive Maintenance	9
DTED 1210	Education Technology	9
DTED 1211	Productive Activities	9
DTED 1212	Teaching Resources	9
DTED 1213	Instructional Learning Aids	9
TOTAL		117

POSTGRADUATE DIPLOMA IN TECHNICAL EDUCATION (PDTE)

8.4.3.3 COURSE MODULES

COURSE CODE	COURSE TITLE	CREDITS
Semester 1		
TED 1101	Education Foundation	12
TED 1102	Education Media and Technology	12
TED 1103	Introduction to Educational Psychology	12
TED 1104	Teaching Methods	12
TED 1105	Teaching Practice	12
TED 1106	Guidance and Counseling in Education	12
Semester 2		
TED 1207	Education Measurement and Evaluation	12
TED 1208	Principles of Curriculum Development	12
TED 1209	Education Management and School Administration	12
TED 1210	Professionalism and Ethics in Education	12
TOTAL		120

9.0 ACADEMIC RELATED UNITS**9.1 RESEARCH AND PUBLICATIONS DIRECTORATE**

The Research and Publications Directorate is responsible for overall coordination and administration of Research and Publications activities. In addition, the Directorate performs the following activities:

- Coordinates projects for both students and staff.
- Plans and coordinates curriculum activities.
- Plans, organizes and produces posters, leaflets, Newsletters and other information documents.
- Arranges for academic workshops.
- Acts as the custodians of Research and Consultancy reports and disseminate findings for academic and other uses.

9.2 MUST CONSULTANCY BUREAU (MCB)

MUST Consultancy Bureau (MCB) was established in November, 2007 with the aim of coordinating the use of the expertise and other resources in the University to contribute effectively to the industrial and Socio-economic development of Tanzania.

Emphasis is placed on providing complete comprehensive and integrated consultancy services. On the other hand, MCB aims at promoting effective entrepreneurship and usage of appropriate technology that meet national and international needs and standards through skills and practical oriented training and consultancy.

9.3 MUST CONSULTANCY BUREAU (MISTECO)

MIST Engineering Contractors (MISTECO) Ltd is an incorporated company under the Company Ordinance CAP 212, and registered with the registrar of companies, BRELA. It has a Class IV registration to undertake Civil, Building, Electrical, and Mechanical works from the National Contractors Registration Board (CRB) since March 2017.

The Company has its headquarters and offices located at Mbeya University of Science and Technology (MUST). The company is owned by Mbeya University of Science and Technology (MUST), formerly Mbeya Institute of Science and Technology (MIST) and Mbeya Technical College (MTC). It constitutes the Board of Directors and other personnel, and run by the Managing Director and Project Manager.

9.4 INDUSTRIAL LIAISON OFFICE (ILO)

The office of the Industrial Liaison Officer (ILO) is responsible for coordinating Students' Industrial/Field Practical Training (IPT/FPT). The IPT/FPT is recognized as a course module and is conducted often after completing the class modules. The IPT/FPT module is designed to enable MUST graduates to become competent and able to meet challenges of the job market and also makes them think positively towards self-employment undertakings.

The office is also responsible for Industrial Relations and students' employment guidance.

9.5 UNIVERSITY FACILITIES**9.5.1 ASSEMBLY HALL (THE NYERERE HALL)**

The University has a multipurpose assembly hall named after the first president named “Nyerere Hall”, it has a capacity to hold 800 people and is used for meetings, lectures, social functions and gatherings.

9.5.2 CAFETERIA

The University provides meals to Ordinary diploma students in a well-equipped cafeteria and kitchen facilities capable of accommodating 350 students at a time. The Equipments include modern cooking and refrigeration facilities. The services are provided under the private sector partnership (PSP) arrangement.

9.5.3 SOCIAL CLUB

The social club provides recreational and accommodation services to guests and members of the University community.

Provides meals services to off campus and private sponsored students and members of the community a low costs.

9.5.4 MAMA/BABA LISHE

The University has a building where caterers (mama/ baba lishe) provide food service for the students. This service is meant to ensure that food at affordable prices is provided for the students who need it. Provision of this catering service at the University also ensures that meals are provided in a clean and safe environment.

UNIVERSITY EXAMINATION REGULATIONS

DEFINITIONS	
University	Mbeya University of Science and Technology
Student	Any person admitted for any course of study conducted by the University.
Course	The totality of modules offered towards the award of certificate to the student.
Module	Any independent unit(s) that makes up a course of study offered and it has a unique identification code
Core Modules	An essential and compulsory modules of a course which must be completed by all students.
Elective Module	Module chosen by a student from among the list given by the University in a given Semester for students to take in addition to any compulsory modules in that Semester and which is designated as such by the University.
Semester	The time provided for which learning taking place at the University. One semester consists of seventeen (17) weeks of which fifteen (15) weeks are set for tuition and two (2) weeks are for examinations.
Continuous Assessment	An assessment process that consists of quizzes, class tests, take-home assignments, case studies, and field/project work report where applicable.
Examination	Any supervised assessment (Continuous Assessment and/or Semester Examination)
Semester Examination	An examination administered as first sitting at the end of a module as stipulated in these regulations
Supplementary Examination	An examination administered following unsatisfactory results in the first sitting
Special Examination	An examination administered as first sitting during Supplementary Examination after the student has not attended the semester examination with genuine reason and it is marked to the full range of marks (i.e. 0-100%)
Carry Forward	Repeating the module(s) in the subsequent year after failing the Supplementary Examination(s). It applies to Bachelor Degree Students
Maximum period of registration	The maximum time (years) of which a student will stay at the University taking his/her course
Re-take	Means that the student shall not proceed to the next year/level of study after failing Supplementary or first attempt of both CA and SE, instead he/she shall study the module afresh. It applies to Ordinary Diploma Students
Discontinuation	Preventing a student to continue with studies before completing the programme due to either academic or disciplinary reasons

Abscondment	The act of being absent without prior information or without seeking permission from the authority which leads to nullification of results of the student in a particular academic year.
Controlled Assessment	Assessments in which examination activities are set, administered and marked under controlled conditions at a time and place determined by the University as set by these regulations
Valid/genuine reason(s)	Means any reason that may be accepted such as medical ground(s), acquired consent or officially granted permission by the University
Maximum period of registration	This is maximum time a student stays at the university for academic purpose ie. 5 years and 6 years for the academic programme of three and four years respectively.
Withheld results	Results which have been retained/ not been released due to various academic reasons.
Appeal	A request for a review of a decision made by an Examinations Authority about the performance in an examination of a student.
Examination Cheating	Actions that are in conflict with the examination regulations that lead to the results being more favourably judged than would otherwise be the case
Provisional Results	Examination results which have not been approved by the Senate
Examination Misconduct	Failure to abide by general or specific examination regulation(s).
Pending Issue	An issue of which a decision is yet to be done, awaiting conclusion.
Unauthorized Material	Any form of materials which are not allowed into the examination venues.
Disqualification Grade	A grade that prevent someone from participating in an academic proceeding.
Special Examination	A form of assessment offered to students on the basis of an application for special consideration and is marked to the full range of marks (i.e. 0-100%)
Pre-requisite Module	An essential module of a course which must be completed before proceeding to the next level.
Incomplete Results	Results with the unfinished component of assessment.
Postpone Studies	Adjourn studies to a later date with the approval of the authority and it is abbreviated as POS.
Postpone Examinations	Adjourn examinations to a later date with the approval of the authority and it is abbreviated as PEX.

10. EXAMINATION REGULATIONS FOR BACHELOR DEGREE**PREAMBLE**

These Regulations are meant to provide guidelines for conduct of university examinations and carrying out students' assessment. The regulations present what staff and students should abide to in the whole examination process. These Regulations shall apply to all Bachelor Degree Programmes offered by the University that are evaluated by any form of Assessment (CA/SE), except where otherwise indicated. These regulations pertain to all examinations that are conducted by the **College/Institute/School**.

10.1 General Examinations Regulations

- 10.1.1 No student shall be allowed to sit for examination if he/she is not dressed in a decent as stipulated in Student's by Laws.
- 10.1.2 Student performance shall be assessed continuously throughout the course. Such Continuous Assessment shall include at least two timed test under examination conditions and homework exercises every semester. Unless otherwise stated, the weight of such Continuous Assessment in every module shall be 40% and Semester Examination shall be 60%.
- 10.1.3 Where distribution of marks for module does not conform to regulation, the distribution of marks for the module shall be as stipulated in the curriculum for a given module
- 10.1.4 Continuous Assessment shall be open to students at least two weeks before sitting for the Semester Examination
- 10.1.5 Continuous Assessments Reports for all examinable modules shall be uploaded in the Students Information Management System (SIMS) and the signed printout submitted to the respective Head of Department at least two weeks before commencement of semester examinations.
- 10.1.6 It shall be the duty of the concerned facilitator to inform the students at the beginning of the semester on the procedure of assessment that shall be followed in the semester for the respective module.
- 10.1.7 All modules shall be examined or otherwise assessed at the end of each semester and the results shall count in determining successful completion of studies.
- 10.1.8 Determination of pass or fail status shall be done at the end of each academic year.
- 10.1.9 A student who passes all the examinations in the academic year shall be allowed to proceed to the next UQF level.
- 10.1.10 A student who fails in one or more modules shall sit for supplementary examination(s) in the failed module(s) provided that the overall GPA is not less than 1.8
- 10.1.11 If after taking Supplementary Examinations, a student fails to attain a minimum pass mark in any of the modules, he/she will be allowed to carry forward the failed module(s) within the maximum period of registration (*i.e* 5

years and 6 years for three and four year programmes respectively), provided that an overall GPA of 2.0 is attained.

- 10.1.12 All carried forward modules shall be attempted in the *subsequent year*. A student who does not attempt the carried forward module(s) in the subsequent year for no genuine reason shall be absconded.
- 10.1.13 A student who gets an Overall GPA less than 1.8 in the first attempt/before supplementary examination, he/she shall be discontinued from studies.
- 10.1.14 If after taking Supplementary Examinations, a student fails to obtain an Overall GPA of 2.0 from the modules examined or otherwise assessed at end of the academic year, he/she shall repeat all modules of that particular UQF level in the subsequent year within the time stipulated under 10.1.11.
- 10.1.15 Supplementary Examinations will be held before commencement of the next academic year.
- 10.1.16 The highest mark awarded in the supplementary examination(s) shall be 40% and this will be used in the calculation of GPA.
- 10.1.17 If a student fails in one or more of the carried forward module(s), he/she will be allowed to sit for supplementary examination in the module(s) in the subsequent supplementary examination session.
- 10.1.18 If a student fails in one or more module(s) in the supplementary examination of the carried forward module(s), he/she will be allowed to carry forward the failed module.
- 10.1.19 The carried forward module shall be graded as normal module assessment.
- 10.1.20 Examinations for carried forward modules shall be attempted in the subsequent year only, during the Regular Semester Examination Session.
- 10.1.21 A student who fails in a module that is assessed by Continuous Assessment only, shall carry forward the failed module to the next UQF level provided that his/her GPA is not less than 2.0.
- 10.1.22 A student who fails to attempt examination(s), assignment(s), project(s) or absents himself/herself from any assessment session without valid or genuine reasons shall be considered to have absconded.
- 10.1.23 A student failing to sit for supplementary/carried forward examination(s) in the prescribed examination session without a genuine reason shall be absconded.
- 10.1.24 A student who does not sit for the semester examination, either in part or in their entirety for genuine reasons stipulated in these regulations, shall be eligible to sit for a special examination. Such a student shall be considered to be attempting the examination for the first time.

10.2 Failure to Attend an Examination Session

- 10.2.1 A student who for genuine reasons has not completed continuous assessment and/or semester examination in a module(s) shall be awarded an Incomplete status abbreviated as 'I'. Such a student shall be required to sit for special examination(s) for that semester in order to complete unfinished portion of the module assessment.
- 10.2.2 In case a student has incomplete in CA/SE and has supplementary examinations, he/she will be allowed to sit for incomplete CA, special SE as well as the supplementary examinations. However, results of supplementary examinations shall not be considered unless the GPA after considering the results of the CA and Special Examination results amounts to at least 2.0.
- 10.2.3 A student who sat for the special examination stated in 10.2.1 shall be given the grade obtained.
- 10.2.4 A student whose examination results are nullified due to examination irregularity shall receive a Disqualification status abbreviated as "Q".
- 10.2.5 In the case where the student has been discontinued from studies due to academic grounds, he/she shall be denied from being reinstated or appearing to any assessment to the University as per Annex I.
- 10.2.6 A student who falls sick during the examination period shall inform his/ her Head of Department immediately and report to the University Health Centre. If this results in inability to sit for some or all modules, a certified medical report from the MUST Medical Officer In-charge shall be forwarded to his/her Head of Department not more than 2 days after the incidence.

10.3 Declaration of Examination Results

- 10.3.1 Provisional Examination results shall be announced within three weeks from the date of the last Examination in that Semester.
- 10.3.2 Final Examination results will include Industrial Practical Training (IPT) assessment and shall be announced within four weeks from the date of completion of the IPT.
- 10.3.3 Examination Results shall show grades obtained in each module and shall show recommendations regarding succeeding to next UQF level.
- 10.3.4 Examination results for any student in a module(s) shall be withheld if:
- a) He/she has not fulfilled some conditions for sitting for an examination
 - b) He/she has a pending issues that may affect the results

- 10.3.5 A student whose results are withheld shall not be allowed to continue with studies in subsequent semester until his/her issues have been resolved and decision made.
- 10.3.6 In the case where a student may not continue with studies due to the length of time or procedure required to resolve the case, he/she shall be required to postpone his/her studies until the case is resolved
- 10.3.7 The University Senate shall receive, discuss and approve the results which have been provisionally released to students.
- 10.3.8 The final classification of the Higher Diploma/Bachelor Degree shall be based on the performance of a student in all modules. The final Overall GPA for the Higher Diploma/ Bachelor Degree award shall be obtained from the average cumulative GPA and being truncated to one decimal point.
- 10.3.9 On request by a student, the examination office may issue an academic transcript and provisional statement of results; and the respective department may issue the academic progress report provided that the student has paid the fee prescribed by the University. Such a student inquiring for transcript should have paid the University Fee and other contribution as stipulated in 5.2.

10.4 Appeals Process

- 10.6.1 A student who is not satisfied with his/her Examination Results shall appeal in writing using an Appeal Form, and submit within a period not exceeding fourteen (14) days from the date of released Provisional Examination Results. The Appeal Form will be accepted after the student has paid the prescribed appeal fee and submit it through the following address:
Deputy Vice Chancellor-Academics, Research and Consultancy
Mbeya University of Science and Technology,
P.O. Box 131
MBEYA.
- 10.6.2 A request for an appeal hearing shall be accompanied by non-refundable fee, prescribed by the University, for a module(s) or for any other academic ground(s) of appeal made to the University. Such a fee(s) shall be revised from time to time.
- 10.4.3 Time frame for appeal hearing shall be set to facilitate speedy and prompt hearing as per procedure, so as to ensure that study progression from one UQF level to another is not interfered.
- 10.4.4 The Senate Appeals Committee shall, on the basis of the laid down guidelines and procedures, hear the appeal, investigate, discuss and make recommendations accordingly.
- 10.4.5 In case of the necessity for re-marking, Principals/Deans shall appoint a suitable expert(s) in the relevant module to be a third marker. Third maker shall re-mark the respective script(s) using the same marking scheme used by the internal and external examiners.

- 10.4.6 Marks from the third marker shall be tabled before the College/ Institute/School Board on behalf of Senate Appeals Committee for provisional approval before the final approval by the Senate.

10.5 Grading System and Conditions for Awards

- 10.5.1 Grades and Grade Points for each module shall be assigned with reference to ranges of scores for various UQF levels as provided in the table below.

(a) Grading System

Score Range	Grade/Status	Grade Points	Definition of Grade
70-100	A	5	Excellent
60-69	B ⁺	4	Very good
50-59	B	3	Good
40-49	C	2	Fair
35-39	D	1	Weak
0-34	E	0	Poor
	I	-	Incomplete
	Q	-	Disqualified

- 10.5.2 The Grade Point Average (GPA) shall be computed from credits and grade weights and classified as shown in below:

(b) Classification of Awards

Class of Award*	Cumulative GPA
First Class	4.4 – 5.0
Upper Second Class	3.5 – 4.3
Lower Second Class	2.7 – 3.4
Pass	2.0 – 2.6

*A Class with Honour is a class given to a student who has Upper Second Class or First Class GPA and he/she did not supplement or carry any module during his/her studies.

11.0 Computation of the Grade Point Average (GPA)

11.1 Semester Grade Points Average

Semester GPA refers to the summation of the product of all credit modules and grade point scored by a student divided by the total number of credits taken by a student during a semester.

11.2 Cumulative Grade Points Average

Cumulative GPA refers to the summation of all grade points of all credit modules divided by the total number of credits taken by a student beginning from his/her admission till the last examination held.

$$\text{Cum. G.P.A.} = \frac{\text{Sum of } (P \times N)}{\text{Sum of } N}$$

Where:

P: represents a grade point assigned to a letter grade scored by the student in module.

N: is the number of credit associated with the module. Its value shall be truncated to a single decimal point.

11.3 Conditions for Awards

11.3.1 A student shall be deemed eligible for the award of a certificate of graduation, if there is evidence that; a student has completed and passed all modules for the award and has fulfilled all terms and conditions established by the University.

11.4 Regulations Concerning Elective Modules

- 11.4.1 A students shall be required to register for the elective modules as stipulated in the curriculum for each program. The Head of Department shall take the responsibility of informing the students on the elective modules that will be offered in that Semester.
- 11.4.2 No student shall be allowed to change the elective module, which he/she has registered for after the third week of that semester.
- 11.4.3 All elective modules shall be treated as any other modules.

11.5 Regulations Concerning Industrial Practical Training (IPT)

- 11.5.1 For each Degree programme there shall be Industrial Practical Training as stipulated in the curriculum.
- 11.5.2 Industrial Practical Training assessment shall count towards the final GPA.
- 11.5.3 A student who has been unable to complete the Industrial Practical Training for valid reasons, shall be assigned an “I” grade and shall be required to complete the training within a period specified by the University.
- 11.5.4 A student shall attend IPT for the specified duration set by the University
- 11.5.5 A student who shall not attend/complete the Industrial Practical Training for no genuine reasons shall be considered to have absconded.
- 11.5.6 A student who, for some genuine reasons changes the allocated placement shall notify the Industrial Liaison Office (ILO) in writing within seven working days after reporting to the new location. Failure to report shall be considered to have absconded from studies.
- 11.5.7 After completion of the Industrial Practical Training (IPT), all reports shall be submitted to the Industrial Liaison Office within a specified time as per University Academic Almanac.

- 11.5.8 A student who, for no genuine reasons, fails to submit the logbook within a prescribed period of time shall be awarded a zero mark.
- 11.5.9 Any student who misses any part or assessment of any portion of the IPT shall be awarded a zero mark for the missing part or portion.
- 11.5.10 A student who fails in the IPT will be required to re-do the training at his/her own expense and within a period specified by the University.

11.6 Procedures and Conditions for Examinations

- 11.6.1 A student shall be required to pay prescribed fees at the beginning of each academic year in order to register for examinations. No student shall be allowed to sit for any examination if not registered.
- 11.6.2 A student shall sit for examination in a module if he/she has:
- i. Paid prescribed fees
 - ii. Attained at least 75% attendance in a module
- 11.6.3 It shall be the duty of the student to consult the Departmental Examination Coordinator for changes of Draft Examination Timetable in not more than one week after release of Draft Examination Timetable. Draft Examination Timetable shall be available and accessible in University Website, Notice Board and SIMS
- 11.6.4 Final Timetable for examinations shall be available and accessible in University Website, Notice Board and SIMS in two weeks before the commencement of the examinations.
- 11.6.5 No student shall enter the examination room until he/she is allowed by the invigilator/supervisor.
- 11.6.6 Each student must produce his/her Student Identity Card and Examination Card for inspection by the invigilator before entering to the examination room.
- 11.6.7 No student shall be admitted to the examination room more than 30 minutes after the start of the examination.
- 11.6.8 No student shall be allowed to leave the examination room 30 minutes before the end of examination.
- 11.6.9 A student who is unable to continue doing the examination may be allowed to leave the examination room 30 minutes after the commencement of the examination. Such student shall neither be allowed to return into the examination room nor leave with the question paper or answer booklets.
- 11.6.10 A student who finishes an examination before the finishing time may be allowed to leave the examination room provided that 30 minutes have elapsed since the commencement of the examination.
- 11.6.11 A student may leave the examination room temporarily, only with the permission of the invigilator. In any such event, the invigilator will be required to satisfy him/herself that the student does not carry with him/her any unauthorized material.

- 11.6.12 A student who is allowed to leave the examination room temporarily will be accompanied while outside the examination room by an examination attendant designated by the invigilator.
- 11.6.13 A student shall not bring to the examination room any book, paper or written information or other unauthorized material. A student who is suspected of hiding unauthorized material may be asked by the invigilator to surrender the material and if necessary shall be subjected to a body search. Refusing to do so is tantamount to misconduct and will result in being denied entry to the examination room.
- 11.6.14 A student sitting for an examination or test shall be guilty of an irregularity if:
- i. He/she has in his/her possession any unauthorized materials such as written or printed document or memorandum, notes, sketch, map, diagram, any inadmissible equipment or article in the examination room.
 - ii. He/she helps or tries to help or tries to obtain help from another student or communicates or tries to communicate with any other person other than an invigilator when the examination or test has begun.
 - iii. He/she causes disturbance in the examination venue, or acts in an improper or unseemly manner and refuses to comply after a warning has been issued by an invigilator to cease such disturbance, improper conduct, or destroys what would have been evidence of such conduct.
- 11.6.15 While an examination is in progress the following shall be observed:
- i. A student shall not copy or attempt to copy from another student or engage in any similar activity.
 - ii. When a student needs any assistance he/she may attract the attention of the invigilator by raising his/her hand.
- 11.6.16 Smoking, eating or drinking of beverages or doing other acts that may cause nuisance in the examination room is not allowed.
- 11.6.17 A student is required to bring all tools/equipment (i.e. calculator, ruler, drawing instruments) required for examination. No student shall be allowed to borrow or lend any tools/equipment from another student.
- 11.6.17 No student shall be allowed to take away any answer booklet(s)/question paper(s), whether used or unused, from the Examination room.
- 11.6.19 A student shall not in any way interfere with the stapling of the answer booklets. Any complaints about the answer booklet should be brought to the attention of the invigilator.
- 11.6.20 Programmable calculators or calculators with facilities for storing and retrieving text are not permitted in the examination room.
- 11.6.21 Portable computers, electronic organizers, mobile phones, smart watch/pen and other devices capable of communicating directly with similar devices are not permitted in the examination room

- 11.6.22 Any student found using an unauthorized calculator in an examination will be reported for suspected cheating. The device will be immediately confiscated and the University will be under no obligation to issue the student with a replacement device for the remainder of the examination.
- 11.6.23 All rough work shall be done at the back of the answer booklet(s) and must be cancelled to show that it is not part of the solutions/answers
- 11.6.24 A student is not allowed to write anything on the question paper(s). Any written information on the question paper will be treated as an unauthorized material(s).
- 11.6.25 Provision for examination offences and penalties stipulated in Annex I (1) of these regulations shall apply for any student found guilty of any offences

12.0 Instructions to Supervisors and Invigilators

- 12.1 The Principal/Dean who shall also be the chief invigilator shall appoint a supervisor for each examination session.
- 12.2 For each examination, there shall be an invigilator appointed by the Principal/Dean of the Institute, College or School as the case may be, in consultations with Heads of Departments or other appropriate authority.
- 12.3 The invigilator must report at the examination venue at least half an hour before the commencement of the examination.
- 12.4 It is the responsibility of the Supervisor and the Invigilator at any examination to ensure orderly proceedings including making sure that students are not in possession of any unauthorized material before being allowed to enter the examination room.
- 12.5 The Invigilator may allow students to enter in the examination room a half of an hour to time, and when seated, shall make sure that students:
 - i. Satisfy themselves that they are in possession of the correct paper.
 - ii. Read carefully the rubric on the examination paper.
 - iii. Commence work on the specified time.
- 12.6 The Invigilator shall not allow any student to sit for examination who reports half an hour after the commencement of the examination.
- 12.7 When the examination is in progress, the Invigilator shall mark the attendance list, check the Student ID Card and Examination ID Card and note every instance of absence. In doing this, the Invigilator shall satisfy him/herself that the student is qualified to do the examination.
- 12.8 The Supervisor/ Invigilator may permit a student to leave the examination room temporarily only on sufficient reason(s). He/she must designate another Invigilator/examination attendant to accompany the student. In such a case the invigilator shall keep records of student(s) who leave the examination room temporary.
- 12.9 The Supervisor shall go around the examination room(s) as often as he/she deems necessary to ensure that there are no irregularities.

- 12.10 The Supervisor/Invigilator shall not engage himself/herself in any activity other than invigilation during the examination.
- 12.11 The Invigilator shall announce to students at reasonable intervals the time available to them from time to time and eventually must announce for examination to stop.
- 12.12 On stoppage of examination, the Invigilator shall instruct students to leave the answer booklets appropriately labelled and question papers on their tables, collect answer booklets and instruct students to leave the examination room.
- 12.13 It shall be the responsibility of the Invigilator to count all answer booklets against the attendance list, for submission to the Head of Department or any authorized person. It shall be the responsibility of the Head of Department to verify the booklets. The supervisor/invigilator shall also return all unused answer booklets, question papers and other materials to the Head of Department Office.
- 12.14 The Supervisor/Invigilator shall fill and submit irregularity report form (MUST form Exam 19) on each examination to the examinations officer and copied to the Head of Department who will eventually report to the appropriate authority.
- 12.15 The examination irregularity report from relevant authority shall be forwarded to the University senate. Based on its review, the senate may nullify the results of that examination and discontinue the student; or if proved otherwise, the student shall be reinstated accordingly.
- 12.16 If a student is suspected of an examination irregularity the following procedures shall be followed:
- i. The invigilator shall approach the student immediately after suspicion/discovery.
 - ii. All improper materials shall be confiscated and the student may be stopped from proceeding with that examination by the Invigilator. His/her results will be withheld pending to decision.
 - iii. The students shall be required to sign on the Invigilator's brief written facts of the issue on the material time and place, in front of the Invigilator. Other nearby invigilator(s) shall also be required to sign as witnesses of the signing between the invigilator and the offender.
- 12.17 Failure or refusal to sign on the Invigilator's facts report (article 10.16 iii)) is deemed to be contempt of the University authority, and shall mean accepting or causing commotion in the examination room, which is tantamount to violation of examination regulations and this shall lead to discontinuation from studies.
- 12.18 The invigilator shall adhere to all provisions under section 9.5 through 9.24

13.0 Regulations concerning Setting, Moderation and Marking of Semester Examinations

- 13.1 The examination process shall involve setters, moderators and markers.
- 13.2 The criteria, procedure to appoint setters, moderators and markers together with their roles are stipulated in separate document, Examination Procedures.
- 13.3 All examinations which are set must be moderated as per moderation procedures and the moderation report(s) shall be submitted to the Head of Department.

14.0 Examination Offences and Penalties

- 14.1 Any student who contravenes any of the requirements or conditions stipulated in these regulations shall have committed an examination offence and shall be liable for penalty as prescribed in Annex I.

15.0 Interpretation and Review of Examination Regulations

- 15.1 The University Senate shall be the final authority for the interpretation of the Examination Regulations.
- 15.2 The Examination Regulations are subject to review from time to time as may be determined by the University Senate.

16.0 EXAMINATION REGULATIONS FOR ORDINARY DIPLOMA PROGRAMMES**PREAMBLE**

These Examination Regulations are meant to provide guidelines for conduct of university examinations and carrying out students' assessment. The regulations present what staff and students should abide to in the whole examination process.

These Regulations shall apply to all Ordinary Diploma Programmes offered by the University that are evaluated by any form of Assessment (CA/SE), except where otherwise indicated. These regulations pertain to all examinations that are conducted by the **College/Institute/School**.

16.1 General Examinations Regulations

- 16.1.1 No student shall be allowed to sit for examination if he/she is not dressed in a decent way **as stipulated in the Student's by Laws**.
- 16.1.2 Student performance shall be assessed continuously throughout the course. Such Continuous Assessment shall include at least two timed tests under examination conditions and, homework exercises every semester. The weight of such Continuous Assessment in every module shall be 40% and final (semester) examination shall be 60%.
- 16.1.3 Where distribution of marks for a module does not conform to regulation 16.1.2 the distribution of marks for the module shall be as stipulated in the curriculum for a given module.
- 16.1.4 A student shall be required to pass both Continuous Assessment and Semester Examination. Hence, he/she shall proceed to next NTA level.
- 16.1.5 A student who fails either Continuous Assessment or Semester Examination shall sit for a supplementary examination of the failed part provided that the GPA is not less than 2.0. A student who fails Continuous Assessment shall incur the cost of supplementing the Continuous Assessment as a case may be.
- 16.1.6 A student who supplements Continuous Assessment or Semester examination shall not be awarded a mark higher than a minimum pass in the supplemented part
- 16.1.7 A student who fails supplementary examination of either the Continuous Assessment or Semester Examination shall retake the module(s) in the subsequent year. A student shall retake module(s) in a maximum of three times, if he/she fails in that duration of time shall be discontinued from studies.
- 16.1.8 Continuous Assessment shall be open to students at least two weeks before sitting for a Semester Examination
- 16.1.9 Continuous Assessments Reports for all examinable modules shall be uploaded in the Students Information Management System (SIMS) and the signed printout submitted to the respective Head of Department at least two weeks before commencement of semester examinations.
- 16.1.10 It shall be the duty of the concerned facilitator to inform the students at the beginning of the semester on the procedure of assessment that shall be followed in the semester for the respective module.
- 16.1.11 All modules shall be examined or otherwise assessed at the end of each semester and the results shall count in determining successful completion of studies.
- 16.1.12 Determination of overall pass or fail status shall be done at the end of each academic year.
- 16.1.13 The pass mark for CA and SE in each module shall be; 50% for NTA 4 – NTA 5 and 45% for NTA 6.

- 16.1.14 A student who passes all the examinations in the academic year shall proceed to the next NTA level.
- 16.1.15 If after taking supplementary examinations a student fails to obtain a minimum pass mark in any of the modules, he/she will be allowed to retake the failed module(s).
- 16.1.16 All retaken modules shall be attempted in the subsequent year. A student who does not attempt the retaken module(s) in the subsequent year for no genuine reason shall be considered to have absconded.
- 16.1.17 A student who gets a GPA less than 2.0 in the first sitting shall be required to retake the failed module(s) in the subsequent year at his/her own costs for the maximum of three years. In case he/she does not pass the examination(s) of the respective module(s) in that duration of time shall be discontinued from studies.
- 16.1.18 Supplementary Examinations will be held before commencement of the following academic year.
- 16.1.19 The highest mark awarded in the supplementary examination(s) shall be the pass mark stipulated for the given level (i.e. 50% for NTA 4 – NTA 5 and 45% for NTA 6) and this will be used in the calculation of GPA.
- 16.1.20 If a student fails in one or more of the retaken module(s), he/she will be allowed to sit for supplementary examination in the module(s) in the subsequent supplementary examination session as per stipulated time in 16.1.7.
- 16.1.21 A student who fails both Continuous Assessment and Semester Examination shall be required to retake the module in the subsequent year. The student shall incur the cost of retaking the module and the retaken module(s) shall be graded as normal module assessment.
- 16.1.22 If a student fails in one or more module(s) in the supplementary examination of the retaken module(s), he/she will be allowed to retake the failed module as per stipulated time in 16.1.7.
- 16.1.23 A student who fails in a module that is assessed by Continuous Assessment only shall retake the failed module as stipulated in 16.1.7 provided that his/her GPA is not less than 2.0.
- 16.1.24 A student who fails to attempt and/ or submit an examination(s), assignment(s), project(s) or is absent from any Assessment Session without valid or genuine reasons shall be considered to have absconded and he/she shall consequently be discontinued from studies.
- 16.1.25 A student who does not sit for the semester examination(s), either in part or in their entirety for genuine reasons stipulated in these regulations, shall be eligible to sit for a special examination before being allowed to proceed to the next level. Such a student shall be considered to be attempting the examination for the first time.

16.2 Failure to Attend an Examination Session

- 16.2.1 A student who, for genuine reasons, has not completed continuous assessment and/or semester examination in a module(s) shall be awarded an Incomplete status abbreviated as 'I'. Such a student will be required to retake the module in the subsequent year for that semester in order to complete the unfinished portion of the module assessment and shall be given the grade obtained.
- 16.2.2 In case a student has incomplete in either CA and/or has to sit for special examinations in SE and has supplementary examinations, he/she will be allowed to sit for incomplete CA, special SE as well as the supplementary examinations. However, results of supplementary examinations shall not be considered unless the GPA after considering the results of the CA and Special Examination results amounts to at least 2.0.

- 16.2.3 A student whose examination results are nullified due to examination irregularity shall receive a Disqualification status abbreviated as “Q”.
- 16.2.4 In the case where the student has been discontinued from studies for reason (s) as stated in Annex I, he/she shall be denied from being reinstated or appearing in any assessment at the University
- 16.2.5 A student who falls sick during examination period shall inform his/her Head of Department immediately and report to the University Health Centre. If this results in inability to sit for some or all modules, a certified medical report from the MUST Medical Officer In-charge shall be forwarded to his/her Head of Department not more than 2 days after the incidence.

16.3 Declaration of Examination Results

- 16.3.1 Provisional Examination results shall be announced within three weeks from the date of the last Examination in that Semester.
- 16.3.2 Provisional Examination results will include Industrial Practical Training (IPT) assessment and shall be announced within three weeks from the date of completion of the IPT.
- 16.3.3 Examination results shall show grades obtained in each module and shall show recommendations regarding succeeding to next NTA level.
- 16.3.4 Examination results for any student in a module(s) shall be withheld if:
- a) He/she has not fulfilled some conditions for sitting for an examination.
 - b) He/she has pending issues that will affect the results.
- 16.3.5 A student whose results are withheld shall not be allowed to continue with studies in subsequent semester until the issue is resolved and decision made.
- 16.3.6 In the case where a student may not continue with studies due to the length of time or procedure required to resolve the case, he/she shall be required to postpone his/her studies until the case is resolved.
- 16.3.7 The University Senate shall approve the results which have been provisionally released to students.
- 16.3.8 The final classification of the Diploma/Certificate shall be computed as per 16.5.2. The final GPA for the Diploma/Certificate award shall be the weighted average of the GPA obtained during two semesters of the academic year and truncated to one decimal point.
- 16.3.9 On request by a student, the examination office may issue an academic transcript or provisional statement of results; and the respective department may issue the academic progress report provided that the student has

paid the fee for transcript, provisional statement of results and progress report prescribed by the University. Such a student inquiring for Academic transcript should have also paid the University Fee and other contributions as stipulated in 5.1.

16.4 Appeals Process

A student who is not satisfied with his/her Examination Results shall appeal in writing using an Appeal Form, and submit within a period not exceeding fourteen (14) days from the date of released Provisional Examination Results. The Appeal Form will be accepted after the student has paid the prescribed appeal fee and submit it through the following address:

**Deputy Vice Chancellor-Academics, Research and Consultancy
Mbeya University of Science and Technology,
P.O. Box 131
MBEYA.**

16.4.2 A request for an appeal hearing shall be accompanied by non-refundable fee, prescribed by the University, for a module(s) or for any other academic ground(s) of appeal made to the University. Such a fee(s) shall be revised from time to time.

16.4.3 Time frame for appeal hearing shall be set to facilitate speedy and prompt hearing as per procedure, so as to ensure that study progression from one NTA level to another is not interfered.

16.4.4 The Senate Appeals Committee shall, on the basis of the laid down guidelines and procedures, hear the appeal, investigate, discuss and make recommendations accordingly.

16.4.5 In case of the necessity for re-marking, Principals/Deans shall appoint a suitable expert(s) in the relevant module to be a third marker. Third maker shall re-mark the respective script(s) using the same marking scheme used by the Internal and External Examiners.

16.4.6 Marks from the third marker shall be tabled before the College/ Institute/School Board on behalf of Senate Appeals Committee for provisional approval before the final approval by the Senate.

16.5 Grading System and Conditions for Awards

- i. Grades or Status for each module shall be assigned with reference to ranges of scores for various NTA levels as provided in the table below:

(a) Grading System

NTA Levels 4 - 5			NTA Level 6		
Score Range	Grade/Status	Grade Points	Score Range	Grade/Status	Grade Points
80 - 100	A	4	75 - 100	A	5
65 - 79	B	3	65 - 74	B+	4
50 - 64	C	2	55 - 64	B	3
40 - 49	D	1	45 - 54	C	2
0 - 39	F	0	35 - 44	D	1
	I	-	0 - 34	F	0
	Q	-		I	-
				Q	-

16.5.2 The Grade Point Average (GPA) shall be computed from credits and grade weights and classified as shown in table below.

(b) Awards Classification

NTA Levels 4 - 5		NTA Level 6	
Class of Award	GPA	Class of Award	GPA
First Class	3.5 – 4.0	First Class	4.4 – 5.0
Second Class	3.0 – 3.4	Upper Second Class	3.5 – 4.3
Pass	2.0 – 2.9	Lower Second Class	2.7 – 3.4
		Pass	2.0 – 2.6

16.5.4 Grade Point Average (GPA) is computed by taking summation of the product of all credits modules and grade point scored by a student divided by the total number of credits taken by a student during a semester

$$G.P.A. = \frac{\text{Sum of } (P \times N)}{\text{Sum of } N}$$

Where:

P: represents a grade point assigned to a letter grade scored by the student in module.

N: is the number of credit associated with the module. Its value shall be truncated to a single decimal point.

16.6 Conditions for Awards

- 16.6.1 A student shall be deemed eligible for the award of a certificate of graduation, if there is evidence that; a student has completed and passed all modules for the award and has fulfilled all terms and conditions established by the University.

16.7 Regulations Concerning Elective Modules

- 16.7.1 All students shall be required to register for the elective modules as stipulated in the curriculum for each program. The Head of Department shall take the responsibility of informing the students on elective modules that will be offered in that Semester.
- 16.7.2 No student shall be allowed to change the elective module, which he/she has registered for after the third week of that semester.
- 16.7.3 All elective modules shall be treated as any other modules.

16.8 Regulations Concerning Industrial Practical Training (IPT)

- 16.8.1 For each Diploma programme there shall be Industrial Practical Training as stipulated in the curriculum.
- 16.8.2 Industrial Practical Training assessment shall count towards the final GPA.
- 16.8.3 A student who has been unable to complete the Industrial Practical Training for valid reasons, shall be assigned an “I” grade and shall be required to complete the training within a period specified by the University.
- 16.8.4 A student shall attend IPT for the specified duration set by the University.
- 16.8.5 A student who shall not attend/complete the Industrial Practical Training for no genuine reasons shall be considered to have absconded.
- 16.8.6 A student who, for some genuine reasons changes the allocated placement shall notify the Industrial Liaison Officer (ILO) in writing within seven working days after reporting to the new location. Failure to report shall be considered to have absconded from studies.
- 16.8.7 After completion of the Industrial Practical Training (IPT), all reports shall be submitted to the Industrial Liaison Office within a specified time as per University Academic Almanac and the student shall retain the signed copy for reference.
- 16.8.8 A student who, for no genuine reasons, fails to submit the logbook within a prescribed period of time, he/she shall be awarded a zero mark.
- 16.8.9 Any student who misses any part or assessment of any portion of the IPT shall be awarded a zero mark for the missing part or portion.
- 16.8.10 A student who fails in the IPT will be required to re-do the training at his/her own expense and within a period specified by the University.

16.9 Procedures and Conditions for Examinations

- 16.9.1 A student shall be required to pay prescribed fees at the beginning of each academic year in order to register for examinations. No student shall be allowed to sit for any examination if not registered.
- 16.9.2 A student shall sit for examination in a module if he/she has:
- i. paid prescribed fees
 - ii. attained at least 75% attendance in the module, and
- 16.9.3 The final timetable for examinations shall be available and accessible in University Website, Notice Boards and SIMS at least two weeks before the commencement of the examinations.
- 16.9.4 It shall be the duty of the student to consult the Departmental Examination Coordinator for changes of Draft Examination Timetable in not more than one week after release of Draft Examination Timetable which shall be available at least four weeks before commencement of Semester Examinations
- 16.9.5 Each student must produce his/her Student Identity Card and Examination Card for inspection by the invigilator before entering into the examination room.
- 16.9.6 Each student must produce his/her Student Identity Card for inspection by the invigilator before attempting any examination.
- 16.9.7 No student shall be admitted to the examination room more than 30 minutes after the start of the examination.
- 16.9.8 No student shall be allowed to leave the examination room 30 minutes before the end of examination.
- 16.9.9 A student who is unable to continue doing the examination may be allowed to leave the examination room 30 minutes after the commencement of the examination. Such student shall neither be allowed to return into the examination room nor leave out with the question paper or answer booklets.
- 16.9.10 A student who finishes an examination before the finishing time may be allowed to leave the examination room provided that 30 minutes have elapsed since the commencement of the examination.
- 16.9.11 A student may leave the examination room temporarily, only with the permission of the invigilator. In any such event, the invigilator will be required to satisfy him/herself that the student does not carry with him/her any unauthorized material.
- 16.9.12 A student who is allowed to leave the examination room temporarily will be accompanied while outside the examination room by an examination attendant designated by the invigilator.
- 16.9.13 A student shall not bring to the examination room any book, paper or written information or other unauthorized material. A student who is suspected of hiding unauthorized material shall be asked by the invigilator to submit the material and if necessary shall be subjected to a body search. Refusing to do so is tantamount to misconduct and will result in being denied entry.
- 16.9.14 A student sitting for an examination or test shall be guilty of an irregularity if:

- i. He/she has in his/her possession any unauthorized materials such as written or printed document or memorandum, notes, sketch, map, diagram, any inadmissible equipment or article in the examination room.
 - ii. He/she helps or tries to help or tries to obtain help from another student or communicates or tries to communicate with any other person other than an invigilator when the examination or test has begun.
 - iii. He/she causes disturbance in the examination venue, or acts in an improper or unseemly manner and refuses to comply after a warning has been issued by an invigilator to cease such disturbance, improper conduct, or destroys what would have been evidence of such conducts.
- 16.9.15 While an examination is in progress, the following shall be observed:
 - i. A student shall not copy or attempt to copy from another student or engage in any similar activity.
 - ii. When a student needs any assistance he/she may attract the attention of the invigilator by raising his/her hand.
 - iii. Smoking, eating or drinking of beverages or doing other acts that may cause nuisance in the examination room is not allowed.
- 16.9.16 A student is required to bring all tools/equipment (i.e. calculator, ruler, drawing instruments) required for examination. No student shall be allowed to borrow or lend any tools/equipment from another student.
- 16.9.17 No student shall be allowed to take away any answer booklet(s) and question paper(s), whether used or unused, from the Examination room.
- 16.9.18 A student should not in any way interfere with the stapling of the answer booklets. Any complaints about the answer booklet should be brought to the attention of the invigilator.
- 16.9.19 Programmable calculators or calculators with facilities for storing and retrieving text are not permitted in the examination room.
- 16.9.20 Portable computers, electronic organizers, mobile phones, smart watch/pen and other devices capable of communicating directly with similar devices are not permitted in the examination room.
- 16.9.21 Any student found using an unauthorized calculator in an examination will be reported for suspected cheating. The device will be immediately confiscated and the University will be under no obligation to issue the student with a replacement device for the remainder of the examination.
- 16.9.22 All rough work shall be done at the back of the answer booklet(s) and must be cancelled to show that it is not part of the solutions/answers
- 16.9.23 A student is not allowed to write anything on the question paper(s). Any written information on the question paper will be treated as an unauthorized material(s).
- 16.9.24 Provision for examination offences and penalties stipulated in Annex I (1) of these regulations shall apply for any student found guilty of any offences

16.10 Instructions to Supervisors, Invigilators, Examination Officers and Module Master

- 16.10.1 The Principal/Dean who shall also be the chief invigilator shall appoint a supervisor for each examination session.
- 16.10.2 For each examination, there shall be an invigilator appointed by the Principal/Dean of the Institute, College or School as the case may be, in consultations with Heads of Departments or other appropriate authority.
- 16.10.3 The invigilator must report at the examination venue at least one hour before the commencement of the examination.
- 16.10.4 It is the responsibility of the Supervisor and the Invigilator at any examination to ensure orderly proceedings including making sure that students are not in possession of any unauthorized material before being allowed to enter the examination room.
- 16.10.5 The Invigilator may allow students to enter in the examination room a half of an hour to time, and when seated, shall make sure that students:
- i. Satisfy themselves that they are in possession of the correct paper.
 - ii. Read carefully the rubric on the examination paper.
 - iii. Commence work on the specified time.
- 16.10.6 The Invigilator shall not allow any student to sit for examination who reports half an hour after the commencement of the examination.
- 16.10.7 When the examination is in progress, the Invigilator shall mark the attendance list, check the Student ID Card and Examination ID Card and note every instance of absence. In doing this, the Invigilator shall satisfy him/herself that the student is qualified to do the examination.
- 16.10.8 The Supervisor/ Invigilator may permit a student to leave the examination room temporarily only on sufficient reason(s). He/she must designate another Invigilator to accompany the student. In such a case the invigilator shall keep records of student(s) who leave the examination room temporary.
- 16.10.9 The Supervisor shall go around the examination room(s) as often as he/she deems necessary to ensure that there are no irregularities.
- 16.10.10 The Supervisor/Invigilator shall not engage himself/herself in any activity other than invigilation during the examination.
- 16.10.11 The invigilator shall announce to students at reasonable intervals the time available to them and eventually must announce for examination to stop.
- 16.10.12 On stoppage of examination, the Invigilator shall instruct students to leave the answer booklets appropriately labelled and question papers on their tables, collect answer booklets and instruct students to leave the examination room.
- 16.10.13 (a) It shall be the responsibility of the Invigilator to count all used answer booklets against the attendance list, for submission to the Module Master or any authorized person appointed by himself/herself and shall sign prescribed form.

(b) It shall be the responsibility of the Module Master to verify the booklets by signing the prescribed form.

(c) The supervisor/invigilator shall also return all unused answer booklets, question papers and other materials to the Head of Department.

16.10.14 The supervisor/invigilator shall fill and submit irregularity report form (MUST form Exam 19) on each examination to the examinations officer and copied to the Head of Department who will eventually report to the appropriate authority.

16.10.15 The examination irregularity report from relevant authority shall be forwarded to the University senate. Based on its review, the senate may nullify the results of that examination and discontinue the student; or if proved otherwise, the student shall be reinstated accordingly.

16.10.16 If a student is suspected of an examination irregularity the following procedures shall be followed:

- i. The invigilator shall approach the student immediately after suspicion/discovery.
- ii. All improper materials shall be confiscated and the student may be stopped from proceeding with that examination by the Invigilator. His/Her results will be withheld pending to decision.
- iii. The students shall be required to sign on the Invigilator's brief written facts of the issue on the material time and place, in front of the Invigilator. Other nearby invigilator(s) shall also be required to sign as witnesses of the signing between the invigilator and the offender.

16.10.17 Failure or refusal to sign on the Invigilator's facts report (article 10.16 iii) is deemed to be contempt of the University authority, and shall mean accepting or causing commotion in the examination room, which is tantamount to violation of examination regulations and this may lead to discontinuation from studies.

16.10.18 The invigilator shall adhere to all provisions under section 9.5 through 9.24

16.10.19 The Invigilator shall have the mandate to relocate the student in the examination room when deemed necessary.

16.11 Regulations Concerning Setting, Moderation and Marking of Semester Examinations

16.11.1 The examination process shall involve setters, moderators and markers.

16.11.2 The criteria, procedure to appoint setters, moderators and markers together with their roles are stipulated in separate document, Examination Procedures.

16.11.3 All examinations which are set must be moderated as per moderation procedures and the moderation report(s) shall be submitted to the Head of Department.

16.12 Examination Offences and Penalties

16.12.1 Any student who contravenes any of the requirements or conditions stipulated in these regulations shall have committed an examination offence and shall be liable for penalty as prescribed in Annex I.

16.13 Interpretation and Review of Examination Regulations

- 16.13.1 The University Senate shall be the final authority for the interpretation of the Examination Regulations.
- 16.13.2 The Examination Regulations are subject to review from time to time as may be determined by the University Senate.

ANNEX I
EXAMINATION OFFENCES AND PENALTIES FOR BACHELOR DEGREE AND ORDINARY DIPLOMA
STUDENTS

S/N	OFFENCE	PENALTY
1	Possession or access of unauthorized materials such as papers books, notes, electronic equipment and any other device (other than approved device) that could be of assistance to a student.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
2	Talking to another student or any person inside or outside examination the examination room, during the examination session, without the permission of a member of supervisory staff.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
3	Receiving or attempting to receive or give help to another student	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
4	Copying or indulging in copying from any paper or notes or allowing any other student to copy any matter from his/her answer book or render in any manner any assistance to another student in solving a question or a part of question set in the question paper.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
5	Consulting books, note books or papers or any other matter found with him/her while outside the examination room but during the examination hours before he/she has handed over his/her answer book to the invigilator or any other member of the supervisory staff.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
6	Writing on any other piece of paper, or anywhere, a question set in the paper or anything connected with a question set the paper or solution thereof.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
7	Passing/receiving or attempting to pass on or receive during the examination, a copy of question set in the paper or question paper itself or a part thereof or a solution of a question paper set in the question paper, to prom an one	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current academic year • Disqualification of a student from appearing to any university examination for a minimum of one year

		up to a maximum of three years
8	Posses of solution to a question set to in the paper in connivance with any member of supervisory or any other staff or some outside agency.	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
9	Making any arrangement to obtain or offer help in connection with the examination.	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years • Nullification of examination results of the current semester of a person with whom the student has made any arrangement. • Disqualification of the person with whom the student has made any arrangement from appearing in University examination for a period up to three years.
10	Smuggling in the answer book or taking out or arranging to send out an answer book or continuation sheet, during or after the examination with or without the help or connivance of any person connected with the examination room or of any agency within or outside examination room.	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
11	Writing outside the examination room an answer book or continuation sheet for a student, which the letter smuggles into the examination room or to a replace the answer book of the student after the examination	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
12	Misconduct or misbehaving towards the invigilator or any member of the supervisory staff.	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
13	Impersonating a student	<ul style="list-style-type: none"> • Nullification of a student’s examination results of the current semester • Expulsion from the university • That person may be reported to the police • The student for whom impersonation was attempted

		shall also be expelled.
14	Obtaining admission/forging ID to the examination on the false representation (eg. <i>The student has not fulfilled conditions for admission to the examination</i>) made by a student in his/her examination registration.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Declare a student ineligible to appear in the examination • That person may be reported to the police
15	Forging another person's signature on a student's examination registration form or using a forged document knowing it to be forged and with a view to seeking admission.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Declare a student ineligible to appear in the examination • That person may be reported to the police
16	Leaving the examination room without delivering the answer book to the invigilator concerned and taking a way the same with him/her or internationally tearing off or otherwise disposing off his/her answer book or any part thereof or the continuation sheet or part thereof inside or outside the examination room.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
17	Deliberately disclose his identity or making distinctive marks in his/her answer book for the purpose.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester and/or • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
18	Communicating or attempting to communicate directly or through a relative, guardian or friend with an examiner or with a person with the objective of influencing him/her the award of marks.	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester and/or • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
19	Approaching or influencing directly or indirectly a member of the university staff regarding his/her cheating case	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
20	Swallowing or attempting to swallow a note or paper or snatching or cause disappearance or destroy any unauthorized material	<ul style="list-style-type: none"> • Nullification of a student's examination results of the current semester • Disqualification of a student from appearing to any university examination for a minimum of one year up to a maximum of three years
21	Attacking physically or verbally the invigilator or any	<ul style="list-style-type: none"> • Nullification of a student's semester examination

	member of supervisory staff	results <ul style="list-style-type: none">• Expelling him/her from the university with immediate effect.• Discontinued from studies indefinitely
22	Repeating offences in several times	<ul style="list-style-type: none">• Discontinued from studies indefinitely