

Message from the Rector



It is with a profound sense of pride and historic joy that I welcome you to the National Institute of Transport (NIT), a premier institution for transport and logistics education. This year marks a momentous occasion in our journey: **the celebration of our 50th Anniversary.**

For half a century, NIT has stood as a cornerstone of Tanzania's development, evolving in lockstep with the nation's ambitions. From our foundational years to the present day, our mandate has remained clear and critical: to develop the highly skilled, ethically grounded, and technologically adept human capital required to drive the transport and logistics sectors forward. This golden anniversary is not just a celebration of our past achievements, but a powerful testament to our enduring commitment to excellence and a springboard for the future.

We live in an era of unprecedented global connectivity, where the movement of people, goods, and services is the lifeblood of economies. Tanzania, with its strategic geographic position, is at the heart of this dynamic landscape. The next chapter of our nation's prosperity will be written by the innovators and leaders we educate today.

This prospectus is your invitation to become part of this storied legacy. At NIT, we believe in an education that transcends the traditional classroom. Our curricula are designed to blend rigorous theoretical knowledge with hands-on, practical experience. Through our state-of-the-art laboratories, industry attachments, and partnerships with leading national and international organizations, we ensure our graduates are not just job seekers, but job creators and industry-ready leaders.

Whether you are drawn to the engineering marvels of automotive and aeronautical technology, the strategic complexities of logistics and supply chain management, the critical frameworks of transport policy and economics, or the emerging frontiers of intelligent transport systems, NIT provides the proven platform for you to excel.

To our prospective students, choosing NIT at this pivotal time means joining a community that has shaped Tanzania's transport story for 50 years. Here, you will find a supportive network of world-class faculty, dedicated staff, and ambitious peers, all committed to nurturing your talents and preparing you to lead for the next fifty.

On behalf of the entire NIT community, I encourage you to explore the diverse opportunities detailed in this prospectus. Discover the programme that will ignite your passion and set you on a path to a rewarding and impactful career.

Join us as we honour our past and accelerate into the future. Become a part of our legacy.

Dr. Prosper L. Mgya,

Rector

National Institute of Transport

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1.0. INTRODUCTION TO NATIONAL INSTITUTE OF TRANSPORT

1.1. HISTORICAL BACKGROUND

The National Institute of Transport (NIT) was established by Act of Parliament, Number. 24 of 1982 (Cap 187 revised edition 2009). The history of NIT dates back to 1975, when the complexity of the transport sector and the intricacies involved in its management necessitated the introduction of comprehensive training programmes for the development of sectorial manpower. Currently, the Institute is under the Ministry of Transport. It is fully accredited by the National Council for Technical Education (NACTVET) with Certificate of Registration Number REG./EOS/009 of 2002.

It offers education and training programmes leading to qualifications recognized nationally and internationally.

1.2. VISION AND MISSION

The Institute's Vision and Mission are: -

1.2.1. Vision

To be a World-Class Training Institution committed to support a Sustainable Transport Sector.

1.2.2. Mission

To Provide high quality Education and Training, Research, Consultancy, Innovation, and services in Transport and allied fields for Sustainable Socio-Economic Development.

1.3. PRIMARY OBJECTIVES OF THE INSTITUTE

- (a) To provide facilities for the study and training in the principles, procedures, and techniques of transport operations, physical distribution, and such other related subjects as the Council may decide from time to time,
- (b) To conduct training programmes in the subjects specified in paragraph (a) and in such other related subjects as the Council may from time to time decide,
- (c) To engage into research, operational and organizational problems, and training needs in the areas specified in paragraph (a) and in the transport sector in general and to evaluate the results achieved by the Institute's training programmes,
- (d) To provide consultancy services to the government, parastatal bodies, and such other organizations or persons as may be necessary,
- (e) To sponsor, arrange, and provide facilities for conferences and seminars,
- (f) To establish departments within the Institute for the organization and administration of its activities,

- (g) To conduct professional examinations and to grant professional masters, degrees, diplomas, and certificates of different types and other awards of the Institute,
- (h) To do all such acts and things, and enter into all such contracts and transactions, as are, in the opinion of the Council expedient or necessary for the proper and efficient discharge of the functions of the Institute,
- (i) To arrange for publications and general dissemination of materials produced in connection with the work and activities of the Institute,

2.0. ORGANISATION OF NIT

2.1. MEMBERS OF THE GOVERNING COUNCIL

CHAIRPERSON

Prof. Ulingeta Obadia L. Mbamba,
P.O. Box 35046,
DAR ES SALAAM.

SECRETARY

Eng. Dr. Prosper L. Mgya,
P. O. Box 705,
DAR ES SALAAM.

MEMBERS

Prof. Patrick J. Makungu,
P.O. Box 3003,
DAR ES SALAAM.

Dr. Dina Z. Machuve,
P.O. Box 13855,
ARUSHA.

Mr. John M. Njawa,
P. O. Box 10972,
DAR ES SALAAM.

Mr. Fadhili J. Manongi,
P.O. Box 3305,
DAR ES SALAAM.

Mr. Albert J. Chile,
P.O. Box 71,
SIMIYU.

Mr. Alphone V. Mwingira,
P. O. Box 75945
DAR ES SALAAM.

Mr. Wiliam W. Mvungi
President – SONIT,
P.O. Box 705,
DAR ES SALAAM.

2.2. INSTITUTE MANAGEMENT TEAM

Rector

Eng. Dr. Prosper L. Mgya –PhD Water Resources Engineering – (Kyoto University - Japan), MSc.in Water Resources Engineering – (UDSM), BSc. in Civil Engineering – (UDSM).

Heads of Units under the Rector’s Office

Head of Communication and Marketing Unit

Ms. Tulizo Chusi – MSc. Marketing - (MU), BAJ - (TUICo).

Procurement Management Unit

Head of Unit

CPSP Moses Magere –MSc. PSCM-(MU), CPSP – (T), (PSPTB).

Internal Audit Unit

Chief Internal Auditor

CPA Johanes B. Kerenge - MBA – (MU), CPA – (T), ADA – (MU).

Quality Assurance Unit

Head of Unit

Mr. Cornelio Swai - MSc Accounting MAT – (SJUT), BAT – (SJUT).

Legal Services Unit

Head of Unit

Adv. Fredrick E. Mwesigwa - LLM - (UDSM), Bachelor of Law (RUICO), PGD in Legal Practice (LST), Dip in Law (Institute of Judicial Administration) – Lushoto.

Office of the Deputy Rector - Academic, Research and Consultancy (DR – ARC) DR – ARC

Dr. John Pius John – PhD in Energy Engineering-TU-Berlin Germany, MSc.in Renewable Energy Engineering –(UDSM), Bachelor of Engineering in Electrical Engineering-(DIT)

Faculties and Directorates under the DR – ARC

Faculty of Aviation Technology

Dean

Dr. Denis Mwageni – Phd in Tourism – (OUT), MBA (Marketing) – (OUT), Bachelor of Tourism Management–(SUA), Cabin Crew Certificate–(ATC), Cabin Crew Certificate - (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems (QMS) for Civil Aviation Authority (CAA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor – (IATA), Crew Resource Management (CRM) Implementation – (IATA), Leadership and Management Skills – (NIT).

Faculty of Maritime Transport and Petroleum Technology

Dean

Prof. Dr. Erick Massami – PhD in Logistics Engineering and Management – (DMU, China), Mphil. in Maritime Studies – (Stellenbosch University, S.A), BPhil Cum-Laude Maritime Studies - (Stellenbosch University, S.A), BSc. Ed. Hons – (UDSM), Member IoDT, FCILT.

Faculty of Transport Engineering and Technology

Dean

Dr. Omar M Khalfan - PhD in Mechanical Engineering – (Selcuk University Turkey), MSc. in Mechanical Engineering – (Selcuk University Turkey), BSc. in Mechanical Engineering – (Selcuk University Turkey)

Faculty of Logistics and Business Studies

Dean

Dr. Prosper S. Nyaki - PhD in Transportation Engineering (UDSM), MSc. in Geo-Information Science in Urban Planning and Management – (Netherlands), ADTM – (NIT), DAE – (NIT), MCILT – (UK).

Faculty of Informatics and Technical Education

Dean

Dr. Laurencia N. Massawe – PhD in Mathematical Modelling- (OUT), Msc. in Mathematical Modelling- (UDSM), B. Ed Mathematics- (OUT).

Directorate of Research, Consultancy and Publication

Director

Dr. Hans Luambano - PhD Development Studies – (UDSM), M.A. – (UDSM), B.A. Sociology – (UDSM), Advanced in Logistics – (Dresden International University – Germany).

Directorate of Academic Support Services

Director

Dr. Eva O. Luwavi – PhD in Education – (UDSM), MAED Curriculum - (UDSM), BA. Ed – (DUCE).

Curriculum Development Unit

Coordinator

Mr. Justine W. Kira - MSc Mathematical Modeling – (UDSM), BSc. Education – (UDSM).

National Transport Resource Centre (NTRC)

Head

Ms. Fitina Petro – Master of Library and Information Management – (OUT), M.A Educational Management and Administration – (KIU - Uganda), B.A Library and Information Studies – (Tumaini University Dar es Salaam College), Dip in Adult Education and Community Development – (I.A.E), Grade A Teachers Certificate – (Kasulu T.T.C).

Industrial Liason and Career Guidance Unit

Head

Dr. Faustine J. Masunga – PhD in Business Administration (Taxation) – (MU), MBA CM – (MU), ADA – (TIA), IATA – (Beijing China), Certificate in Customer Care and Leadership – (Kampala Uganda).

Centre for Professional Development (CPD)

Head

CPSP Dr. Deus N. Shatta – PhD. in Procurement – (OUT), MBA in Transport and Logistics Management – (OUT), MSc. PSCM - (MU), CPSP (PSPTB), PGDE - (UOA), PGDSC - (UDSM), ADTM, DAE, - (NIT), International Certificate in Humanitarian Logistics - (Kuhne - Stiftung, Switzerland).

National Institute of Transport Entrepreneurship and Business Innovation Centre (NITEBIC)

Coordinator

Ms. Mwanaisha A. Mhalule - MSc. A & F- (MU), BAF- (MU).

Office of the Deputy Rector Planning, Finance and Administration (DR - PFA) DR - PFA

Dr. Zainabu M. Mshana – PhD Development Studies – (UDOM), MA Development Studies – (UDSM), BSc. Agriculture General – (SUA).

Directorates under the DR – PFA

Directorate of Human Resource Management and Administration

Director

Ms. Joyce B. Mpunga - MSc. HRM – (MU), BBA – (MU).

Head of Dispensary Section

Dr. Mtimbe A. Mhango – MD - (IMTU), Dip in Clinical Medicine – (Mtwara – MC).

Directorate of Finance and Accounts

Director

CPA William R. Haji – CPA – (T), MBA - (UDSM), B. Com – (UDSM).

Directorate of Planning and Development

Director

Mr. Paulo E. Sangiwa – MSc. in Economics and Policy Planning, BA Economics – (OUT).

Head of Estates Unit

Eng. Hamad Abdullah - MSc. in Civil Engineering – (Ukraine - USSR), BSc. in Civil Engineering

– (Ukraine - USSR).

Transport Officers

Senior Transport Officer

Mr. Herman M. Kahyoza – MSc. A & F (MU), CPA(T) NBAA, Advanced Dip in Transport Management – (NIT).

Directorate of Students' Services

Dean

Mr. Abely P. Luzibila - M.A. Applied Social Psychology – (UDSM), B.A. Education – (UDSM).

HESLB Loans Coordinator

Mr. Libent M. Bankobeza - BED – (UDSM), Diploma in Education – (Morogoro Teacher's Collage), Cert. Education – (Morogoro Teacher's Collage).

Students Welfare

Principal Warden

Mr. Chacha M Nyaikwabe – MBA in marketing– (UDSM), BSc. Education – (UDSM)

Games Tutor

Mr. Augustino H. Saquare - B. Ed Physical Education Sports and Culture – (UDSM).

Directorate of Information Communication Technology

Director

Dr. Nassoro M. Lwamo - PhD in Computer Science and Technology – (Beijing Institute of Technology - China), MSc. Computer Science – (UDOM), BSc. Computer Science-(UDSM).

Centres of Excellence

Centre of Excellence in Aviation and Transport Operations (CoEATO)

Centre Leader

CPA Dr. Chacha R. Magubo – PhD in Business Administration (Accounting)- (UDSM), Master of International Trade – (UDSM), CPA (T) – (NBAA). B. Com Accounting – (UDSM), International Certificate in Humanitarian Logistics, (Kuenhne - Stiftung Foundation).

Regional Centre of Excellence in Road Safety (RCoERS)

Center Leader

Mr. Godlisten P. Msumanje – MSc, Logistics and Transport Management – (NIT), Master of Logistics Management – (ZUA, China), BLTM – (NIT), MCILT – (UK), Member TARA.

3.0 RESPONSIBILITIES OF UNITS UNDER THE RECTOR'S OFFICE

3.1. Communication and Marketing Unit

The Communication and Marketing Unit (CMU), is committed to effectively communicating NIT's vision, mission and achievement to our stakeholders, partners, and the public. Through innovative strategies, creative campaigns, and strategic partnerships, we aim to enhance the visibility, reputation, and impact of NIT both locally and globally. Our goal is to foster strong connections, promote collaboration, and inspire engagement within our academic community and beyond.

3.2. Procurement Management Unit

The unit is responsible for providing services in procurement, storage, supply of goods and services and disposal of assets for the Institute. The objective of the Unit is to coordinate all procurement and store activities of the Institute.

3.3. Internal Audit Unit

The function of the Unit is to assist the Institute in accomplishing its strategic and operational objectives by bringing a systematic and disciplined approach to evaluate and improve the effectiveness of the Institute's risk management, control and governance processes.

3.4. Legal Service Unit

The Unit is responsible to provide legal advice to the Institute.

3.5. Quality Assurance Unit

It is responsible for constantly monitoring and periodically evaluating the functioning of academics within the Institute to determine the extent to which they play their roles as per established regulations and comply with the quality standards and other regulatory bodies such as NACTVET.

4.0. PROGRAMMES OFFERED AT THE INSTITUTE

The Institute conducts different long course programmes including those which follow the National Technical Awards (NTA) system, Further, the Institute conducts several postgraduate programmes. The Institute also conducts different professional short courses.

4.1. PROGRAMMES UNDER NTA SYSTEM

These are Competence Based Education and Training (CBET) programmes. The philosophy behind these programmes is the Competence-Based Education and Training (CBET) approach. It is reflected in clearly defined programme learning outcomes and supported by well-organized Instructional and Credentialing Systems.

The learning outcomes are geared towards producing graduates who are well-equipped with knowledge, skills and attitudes in a specified occupational activity. Programmes conducted under this system are:

TABLE 1: ORDINARY DIPLOMA (NTA LEVEL 4-6) PROGRAMMES

S/N	PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE(TZS) PER YEAR
FACULTY OF LOGISTICS AND BUSINESS STUDIES				
1.	Ordinary Diploma in Logistics and Transport Management	Form IV with at least four (4) passes excluding religious subjects, OR Basic Technician (NTA Level 4) Certificate in the related field. OR Form VI with one Principal Pass and one Subsidiary Pass in the combination subjects.	3 Years	1,000,000
2.	Ordinary Diploma in Road and Railway Transport Logistics Operations			
3.	Ordinary Diploma in Procurement and Logistics Management		2 Years	
4.	Ordinary Diploma in Human Resource Management			
5.	Ordinary Diploma in Marketing and Public Relations			
6.	Ordinary Diploma in Business Administration	Form IV with at least four (4) passes, including pass in Basic Mathematics; OR	3 Years	1,000,000
7.	Ordinary Diploma in Accounting and Transport Finance	Form VI with one Principal Pass and one Subsidiary Pass in the combination subjects plus a pass in Basic Mathematics in form IV; OR Basic Technician (NTA Level 4) Certificate in the related field.	2 years	
FACULTY OF TRANSPORT ENGINEERING AND TECHNOLOGY				
1.	Ordinary Diploma in Automobile Engineering	Form IV with at least four (4) passes, including passes in Basic Mathematics, Physics/Engineering Science, and Chemistry; OR Form VI with at least one Principal pass and one subsidiary pass of the science Combination subjects OR	3 Years	1,000,000
2.	Ordinary Diploma in Mechanical Engineering	Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	
3.	Ordinary Diploma in Auto-Electrical and Electronic Engineering	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR Form IV with at least a minimum pass of “D” grade in two subjects mentioned above, which must include Basic Mathematics and National Vocational Award Level 3 in Auto - Electrical and Electronics	3 Years	1,000,000

S/N	PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE(TZS) PER YEAR
		Basic Technician Certificate (NTA Level 4) in related field recognized by NACTVET	2 Years	
4.	Ordinary Diploma in Telecommunication and Railway Signaling Engineering	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR	3 Years	1,000,000
		Basic Technician Certificate (NTA Level 4) in a related field recognized by NACTVET.	2 Years	
5.	Ordinary Diploma in Electrical Engineering	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR Form VI with at least one Principal pass and one subsidiary pass of the Science Combination subjects such as Physics, Chemistry, and Mathematics, OR	3 Years	1,000,000
		Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	
6.	Ordinary Diploma in Electrical Engineering with Railway Electrification	Form IV with at least four (4) passes at “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English OR National Vocational Award Level 3 in Engineering field and a Certificate of Secondary Education Examination with a minimum pass of “D” grade in two (2) subjects excluding religious subjects, which must include Basic Mathematics and Physics or Chemistry OR	3 Years	1,000,000
		Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	
7.	Ordinary Diploma in Automobile Engineering and Locomotive Technology	Certificate of Secondary Education Examination with a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English OR National Vocational Award Level 3 in Engineering field and a Certificate of Secondary Education Examination with a minimum pass of “D” grade in two (2) subjects excluding religious subjects, including Basic Mathematics and Physics or Chemistry,	3 Years	1,000,000
		Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	

S/N	PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE(TZS) PER YEAR
8.	Ordinary Diploma in Civil and Transportation Engineering	Certificate of Secondary Education Examinations (CSEE) with a minimum of four (4) passes of “D” grades in Physics /Engineering Science, Basic Mathematics, Chemistry, and English, OR National Vocational Award Level 3 in Engineering related field and a Certificate of Secondary Education Examination with minimum pass of “D” grade in two (2) subjects excluding religious subjects, which must include Basic Mathematics and Physics or Chemistry,	3 Years	1,000,000
		Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	
9.	Ordinary Diploma in Electronics and Telecommunication Engineering	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR	3 Years	1,000,000
		Basic Technician Certificate (NTA Level 4) in the related field recognized by NACTVET	2 Years	
10.	Ordinary Diploma in Mechanical Engineering with Railway Vehicle Technology	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR National Vocational Award Level 3 in engineering related field and CSEE with minimum two (2) passes excluding religious, including pass in Basic Mathematics and Physics of Chemistry.	3 Years	1,000,000
FACULTY OF MARITIME AND PETROLEUM TECHNOLOGY				
1.	Ordinary Diploma in Pipe works, Oil and Gas Engineering	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR Form VI with at least one Principal pass and one subsidiary pass of the Science Combination subjects such as Physics, Chemistry and Mathematics, Biology, Geography, OR	3 Years	1,000,000
		Basic Technician Certificate (NTA Level 4) in Pipe works, Oil and Gas Engineering field.	2 Years	

S/N	PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE(TZS) PER YEAR
2.	Ordinary Diploma in Shipbuilding and Repair	Form IV with at least a minimum of four (4) passes of “D” grades in Physics or Engineering Science, Basic Mathematics, Chemistry, and English, OR National Vocational Award (NVA) Level 3 in Engineering-related fields such as mechanics/auto-electrical plus a pass in mathematics at the ‘level. Form VI with at least one Principal pass and one subsidiary pass of the Science Combination subjects such as Physics, Chemistry and Mathematics, Biology, Geography, OR	3 years	1,000,000
		Basic Technician Certificate (NTA Level 4) in Shipbuilding and Repair or a related field recognized by NACTVET.	2 years	
3.	Ordinary Diploma in Shipping and Port Logistics Operations	Form IV with at least four (4) passes excluding religious subjects, OR Form IV at least two passes excluding religion subject plus National Vocational Technical Award Level 3/ Trade Test Grade 1 in shipping and Port Logistic Operation or Related field of study	3 years	1,000,000
		Basic Technician (NTA Level 4) Certificate in shipping and port logistics operation or related field recognized by NACTVET OR Form VI with at least one Principal Pass or one subsidiary pass of the combination subject excluding religion subjects in ACSEE	2 years	
4.	Ordinary Diploma in Customs and Freight Forwarding Management	Form IV with at least four (4) passes excluding religious subjects, OR National Vocational Technical Award Level 3/ Trade Test Grade 1 in Customs and Freight Forwarding management or related field of study such as logistics and transport operation, Procurement and supply, store keeping, inventory management, business support services, office operation, port operation, Telly clerking transport and fleet management or customs and taks procedure.	3 years	
		Basic Technician (NTA Level 4) Certificate in Customs and Freight Forwarding management or related field recognized by NACTVET OR Form VI with at least one Principal Pass or one subsidiary pass of the combination subject excluding religion subjects in ACSEE	2 years	

S/N	PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE(TZS) PER YEAR
FACULTY OF AVIATION TECHNOLOGY				
1.	Ordinary Diploma in Aircraft Maintenance Engineering	Form IV with at least four (4) passes, including passes in Basic Mathematics, Physics/ Engineering science, and English Language, OR Form VI with at least one Principal pass and one subsidiary pass of the Combination subjects such as Physics, Chemistry, and Advanced	3 Years	5,000,000
		Basic Technician Certificate (NTA Level 4) in Aircraft Maintenance Engineering	2 Years	
FACULTY OF INFORMATICS AND TECHNICAL EDUCATION				
1.	Ordinary Diploma in Information Technology	Form IV with at least four (4) passes, including pass in Basic Mathematics and English Language; OR NVA Level III or Trade Test Certificate of Grade I in the relevant field offered by VETA accredited Institution. OR	3 years	1,000,000
		Form VI with one Principal pass and one subsidiary pass in science combination subjects plus passes in Basic Mathematics and English Language in form IV; OR	2 years	
		Basic Technician (NTA Level 4) Certificate in the related field.		
2.	Ordinary Diploma in Library Information Studies	Form IV with at least four (4) passes excluding religious subjects; OR NVA Level III or Trade Test Certificate of Grade I in the relevant field offered by VETA accredited Institution.OR	3 Years	1,000,000
		Form VI with at least one Principal pass and one subsidiary pass in the combination subjects; OR Basic Technician (NTA Level 4) Certificates in related field	2 Years	
3.	Ordinary Diploma in Records, Archives and Information Management	Form IV with at least four (4) passes excluding religious subjects; OR NVA Level III or Trade Test Certificate of Grade I in the relevant field offered by VETA accredited Institution.; OR	3 Years	1,000,0000
		Form VI with one Principal pass and one subsidiary pass in the combination subjects; OR Basic Technician (NTA Level 4) Certificate in the related field.	2 Years	

TABLE 2: BACHELOR DEGREE (NTA 7-8) PROGRAMMES

S/N	PROGRAMME	DIRECT QUALIFICATIONS (FORM VI) AND EQUIVALENT QUALIFICATIONS	DURATION (YEARS)	TUITION FEE (TZS)
FACULTY OF LOGISTICS AND BUSINESS STUDIES				
1.	Bachelor's Degree in Logistics and Transport Management	Form VI with two (2) Principal passes excluding religious subjects with a total of 4.0 points, OR	3 Years	1,500,000
2.	Bachelor's Degree in Road and Railway Transport Logistics Management	Ordinary Diploma (NTA Level 6 or Non-NTA) in a relevant field with a GPA of not less than 3.0 points OR		
3.	Bachelor's Degree in Procurement and Logistics Management	Ordinary Diploma in Teacher Education with a GPA of not less than 3.0 points or an average of a B grade plus four (4) passes in form IV excluding religious subjects, OR		
4.	Bachelor's Degree in Human Resource Management	Full Technician Certificate (FTC) with an average of a C grade.		
5.	Bachelor's Degree in Marketing and Public Relations			
6.	Bachelor's Degree in Accounting and Transport Finance	Form VI with two (2) Principal passes excluding religious subjects with a total of 4.0 points, OR	3 Years	
7.	Bachelor's Degree in Business Administration	Ordinary Diploma (NTA Level 6 or Non-NTA) in a relevant field with a GPA of not less than 3.0 points OR Ordinary Diploma in Teacher Education with a GPA of not less than 3.0 points or an average of a B grade plus four (4) passes in form IV, including a pass in mathematics excluding religious subjects, OR Full Technician Certificate (FTC) with an average of a C grade		
FACULTY OF TRANSPORT ENGINEERING AND TECHNOLOGY				
1.	Bachelor's Degree in Automobile Engineering	Form VI with two (2) Principal passes in science subjects such as Advanced Mathematics, Physics, or Chemistry with a total of 4.0 points, including Four passes in form IV with at least a pass in Basic Mathematics, Physics/ Engineering Science and English excluding religious subjects, OR	4 Years	1,500,000

2.	Bachelor's Degree in Mechanical Engineering	Ordinary Diploma (NTA Level 6) Automobile/Mechanical/Electrical/ Marine Engineering or Technical Education with a GPA of 3.0 points and four (4) passes in form IV, excluding religious subjects. OR Full Technician Certificate (FTC) in Automobile/Mechanical/ Electrical/Marine Engineering with an average of C grade	3 Years	1,500,000
3.	Bachelor's Degree in Civil and Railway Engineering	Form VI with two (2) Principal passes in science subjects, such as Advanced Mathematics, Physics, Engineering Science, or Chemistry, including Four (4) passes in Form IV with a pass in Basic Mathematics, Physics/ Engineering Science, and English excluding religious subjects, OR	4 Years	1,500,000
		Ordinary Diploma (NTA Level 6 or Non-NTA) in Shipbuilding and Repair/Mechanical /Automobile/ Electrical/Electronic and Telecommunication/Marine/ Aircraft Maintenance/Agriculture Engineering relevant field with a GPA of not less than 3.0 points	3 Years	
4.	Bachelor's Degree in Telecommunication and Railway Signalling Engineering	Form VI with two (2) Principal passes in science subjects such as Advanced Mathematics, Physics, or Chemistry with a total of 4.0 points, including four passes (4) in form IV with at least a pass in Basic Mathematics/ Physics/ Engineering Science and English excluding religious subjects OR	4 Years	1,500,000
		Ordinary Diploma in Engineering in the field of Telecommunication/ Electronics/Electrical/ Communication/ Railway Signalling/Railway Electrification/ Traction and Train Control Engineering with at least an overall GPA of 3.0 or equivalent qualification	3 Years	

5.	Bachelor's Degree in Electrical and Railway Electrification Engineering	Form VI with two (2) Principal passes in science subjects such as Advanced Mathematics, Physics, or Chemistry with a total of 4.0 points, including four passes (4) in form IV with at least one pass in Basic Mathematics/ Physics/Engineering Science and English excluding religious subjects OR	4 Years	1,500,000
		Ordinary Diploma in Engineering in the field of Electrical/Telecommunication/ Electronics/Communication/ Railway Signalling/ Railway Electrification/ Traction and Train Control Engineering with at least an overall GPA of 3.0 or equivalent qualification.	3 Years	
FACULTY OF AVIATION TECHNOLOGY				
1.	Bachelor's Degree in Aircraft Maintenance Engineering	Form VI with two (2) Principal passes in science subjects, such as Advanced Mathematics, Engineering Science, Physics, or Chemistry, including Four (4) passes in Form IV with a pass in Basic Mathematics, Physics/ Engineering Science, and English excluding religious subjects, OR	4 Years	6,000,000
		Ordinary Diploma (NTA Level 6) in Aircraft Maintenance/Avionics/ Aeronautical/Mechanical/Aerospace/ Engineering with a GPA of not less than 3.0 points.	3 Years	
FACULTY OF MARITIME AND PETROLEUM TECHNOLOGY				
1.	Bachelor's Degree in Shipping and Port Logistics Management	Form VI with two (2) Principal passes excluding religious subjects with a total of 4.0 points, OR Ordinary Diploma (NTA Level 6 or Non-NTA) in shipping and port logistic management a relevant field with a GPA of not less than 3.0 points OR Ordinary Diploma in Teacher Education with a GPA of not less than 3.0 points or the average of a B grade plus four (4) passes in form IV excluding religious subjects, OR Full Technician Certificate (FTC) with an average of a C grade.	3 Years	1,500,000

2.	Bachelor's Degree in Naval Architecture and Marine Engineering	Form VI with two (2) Principal passes in science subjects, such as Advanced Mathematics, Physics, Engineering Science, or Chemistry, including Four (4) passes in Form IV with a pass in Basic Mathematics, Physics/ Engineering Science and English excluding religious subjects, OR	4 Years	1,500,000
		Ordinary Diploma (NTA Level 6 or Non-NTA) in Shipbuilding and Repair/Mechanical /Automobile/ Electrical/Electronic and Telecommunication/Marine/ Aircraft Maintenance/Agriculture Engineering relevant field with a GPA of not less than 3.0 points	3 Years	
FACULTY OF INFORMATICS AND TECHNICAL EDUCATION				
1.	Bachelor's Degree in Education with Mathematics and Information Technology	Form VI with two (2) Principal passes, one must be in advanced Mathematics with a total of 4.0 points and should exclude religious subjects, plus four (4) passes in form IV including pass in Basic Mathematics, OR	3 Years	1,500,000
		Ordinary Diploma in Teacher Education (NTA Level 6) with a GPA of not less than 3.0 points OR a B grade with mathematics as one of the teaching subjects.	2 Years	
2.	Bachelor's Degree in Education with Economics and Mathematics	Form VI with two (2) Principal passes in Advanced Mathematics and Economics or an Ordinary Diploma in Economics and Mathematics with at least an overall GPA of 3.0 or equivalent qualification.	3 Years	1,500,000
3.	Bachelor's Degree in Information Technology	Two (2) Principal passes in Form VI in any subjects other than religious subjects with a total of not less than 4.0 points OR Ordinary Diploma (NTA Level 6) or its equivalent in the respective field with a GPA of not less than 3.0 points plus four (4) passes in form IV, including passes in Basic Mathematics and English.	3 Years	1,500,000

4.	Bachelor's Degree in Computer Science	Form VI with two (2) Principal passes with a total of not less than 4.0 points in science subjects in either Physics, Advanced Mathematics, Engineering Science, Chemistry, Biology, or Economics, including passes in Basic Mathematics, Physics, and English in Form IV excluding religious subjects, OR Ordinary Diploma (NTA Level 6) or its equivalent in the respective field with minimum Grade Point Average (GPA) of 3.0 from a recognized institution by the National Regulating Authority and at least four (4) passes (i.e. D grade or higher) in relevant subjects at Certificate of Secondary Education (CSEE) including passes in Physics and Mathematics.	3 Years	1,500,000
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TABLE 3: MASTER'S DEGREE (NTA LEVEL 9) PROGRAMMES

S/N	NAME OF PROGRAMME	ENTRY REQUIREMENTS	DURATION	TUITION FEE
1.	Master of Logistics and Transport Management	<p>(a) Bachelor's Degree in Logistics and Transport Management or equivalent professional qualification with a minimum of upper second class.</p> <p>(b) A bachelor's degree with at least a lower second class will be considered if the applicant holds another postgraduate diploma in a relevant field.</p> <p><i>Note: For applicants coming from non-English speaking countries, they should submit a certificate of English language proficiency</i></p>	18 Months	6,000,000

2.	Master of Mechanical Engineering with Transportation Machinery	<p>(a) Bachelor's Degree in Mechanical/ Automobile, Marine, Aircraft Maintenance Engineering, Aeronautical Engineering (or Relevant Engineering fields) (NTA Level 8) with at least an overall GPA 2.7 from recognized Institutions or equivalent qualifications in related fields. OR</p> <p>(b) Bachelor's Degree in Mechanical/ Automobile, Marine, Aircraft Maintenance Engineering, Aeronautical Engineering (or Relevant Engineering fields) (NTA Level 8) with at least an overall GPA of 2.0 from recognized Institutions and with performance in the proposed subject of study at B grade or higher.</p> <p>(c) Bachelor's Degree in Mechanical/ Automobile, Marine, Aircraft Maintenance Engineering, Aeronautical Engineering (or Relevant Engineering fields) (NTA Level 8) with at least an overall GPA of 2.0 from recognized Institutions and with a minimum of 3 years of working experience after graduation and must be registered as the Trainee Engineer.</p>	18 Months	6,000,000
3.	Masters in Procurement, Logistics and Supply Chain Management	<p>(a) Bachelor's degree in procurement, logistics, supply chain management, or other business-related disciplines with a GPA of 2.7 or above. OR</p> <p>(b) Postgraduate Certificate or Diploma in Procurement, Logistics, or Supply Chain Management disciplines. OR</p> <p>(c) A passing degree with working experience of at least three years in the procurement, logistics, and supply chain industries. OR</p> <p>(d) Recognised professional qualifications such as CSP, CPSP, or CIPS.</p>	18 Months	4,550,000

4.	Master's in Shipping and Port Logistics Management	<p>(a) Bachelor's Degree Management/ Logistics in Maritime and Logistics/Shipping Transport Management/Supply Management/Port Chain Management/Procurement and Logistics Management/ Economics and Transport Planning disciplines or Freight Clearing and Forwarding with at least a GPA of 2.7 from a recognised higher learning institution. OR</p> <p>(b) Postgraduate Certificate/ Diploma in Maritime Logistics/ Shipping Management/Port Management/Logistics and Transport Management/Supply Chain Management/Procurement and Logistics Management/ Economics and Transport Planning disciplines or Freight Clearing and Forwarding from a recognised higher learning institution. OR</p> <p>A passing degree with working experience of at least three years in logistics, shipping, or the maritime industry. (d) Recognised professional qualifications such as CSP, CPSP.</p>	18 Months	4,550,000
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TABLE 3.3. PROFESSIONAL DRIVING SHORT COURSES AND ENTRY REQUIREMENT

S/N	NAME OF PROGRAMME	ENTRY QUALIFICATIONS	PROGRAMME DURATION
1.	Advanced Drivers' Course Grade II – VIP	Possession of primary education or above and be able to read and write in either English or Kiswahili	4 weeks
		Possession of driving licence Class E with at least one year of driving experience or Class D with minimum of two years experience	
2.	Advanced Drivers' Course Grade I	Possession of primary education or above and be able to read and write in either English or Kiswahili	4 weeks
		Possession of driving licence Class E or C or C1 with at least two years of driving	
		Possession of Advanced Drivers Certificate Grade II from the National Institute of Transport and having worked with it for at least one year	
3.	Senior Drivers' Course	Possession of Certificate of Secondary Education Examination	6 weeks

		Possession of Advanced Drivers' Grade One certificate from NIT having worked with it for at least one year	
4(a)	Public Service Vehicle (PSV) Drivers' Course – for C driving license	Possession of primary education or above and be able to read and write either English or Kiswahili	11 days
		Possession of valid driving licence class E or C with not less than twenty-four (24) years of age.	
		Possession of valid driving licence class C2 and having worked with it for at least three (03) years and age not less than thirty (24) years	
4(b)	Public Service Vehicle (PSV) Drivers' Course – for C1 driving license	Possession of primary education or above and be able to read and write in either English or Kiswahili	11 days
		Possession of a valid old driving licence class E or C	
		Possession of a valid driving licence class C2 and having worked with it for at least three Age not less than twenty-seven (21) years	
4(c)	Public Service Vehicle (PSV) Drivers' Course – for C2 driving license	Possession of primary education or above and be able to read and write in both English and Kiswahili	11 days
		Possession of valid driving licence class E or C	
		Possession of valid driving licence class C1 and having worked with it for at least three years	
		Age - not less than twenty-four (21) years	
4(d)	Public Service Vehicle (PSV) Drivers' Course – for C3 driving license	Possession of primary education or above and be able to read and write in either English or Kiswahili	11 days
		Possession of valid driving licence class E or C	
		Possession of valid driving licence class D and having worked with it for at least three	
		Age - not less than twenty-one (21) years	
5.	Driver Instructors' Course	Possession of Certificate of Secondary Education Examinations or above	11 weeks
		Possession of Advanced Drivers Course Grade I from NIT and having worked with it for at least one year	
		Possession of valid driving licence class E or C or C1 having worked with it for at least three (03) years	
6.	Transport Officers' Course	Possession of Certificate of Secondary Education Examinations or above or any equivalent qualification	3 weeks
		Possession of a valid driving licence	
		Be a Transport Officer or working in related activities in any Organization	
7.	Vehicle Inspection	Possession of Certificate of Secondary Education Examinations or above or any equivalent qualification	24 weeks

		Possession of Bachelor's Degree, Diploma or Trade Test grade I in Automobile/Mechanical Engineering	
		Possession of a valid driving licence	
8.	Transport Control Systems	Possession of Certificate of Secondary Education Examinations or above or any equivalent qualification	2 weeks
		Be a Transport Officer or working on related activities in any Organization	
		Possession of a valid driving licence	
9.	Driver Examiner	Possession of Certificate of Secondary Education Examinations or above or any equivalent qualification	15 weeks
		Possession of Bachelor's Degree, Diploma or Trade Test Grade I in Automobile Engineering	
		Possession of a valid driving licence	
10.	Heavy Goods Vehicles	Possession of a valid driving license with at least E grade	15 days
11.	Defensive Driving Training	Possession of a valid driving licence	3-5days
12.	Bus Rapid Transport	Possession of valid driving licence class	2weeks
13.	Bus passenger customer service	Ability to read, speak and write English and Swahili language	6 days

TABLE 3.4. PROFESSIONAL AVIATION SHORT COURSES

S/N	PROGRAMME NAME	ENTRY QUALIFICATIONS	PROGRAMME DURATION
1.	Private Pilot License (PPL) Course	a) Certificate of Secondary Education Examinations (CSEE) or equivalent with passes in Physics, Mathematics and English. b) Ability to read, speak, write and understanding English language; c) Minimum age of 17 and; d) Be medically fit	Six (6) months
2.	Commercial Pilot License (CPL) Course (SE) with Instrument Rating	a) Minimum age of 18 and; b) Pass class 1 medical c) English proficiency level 4 d) A valid private pilot license with night rating	(12-18) months
3	Cabin Crew Ab-Initio Course	Certificate of Secondary Education Examinations (CSEE) with four (4) passes including English (religious subjects excluded) Ability to read, speak, write and understand English language Age between 18 and 30 years inclusively Acceptable Body Mass Index (18.5 – 24.9) Kg/m ² Medical Certificate Class 2 Competence in any other international language is an added advantage Foreign applicants must have a legal permit to stay/ study in the country	4 months

3.	Airline Cabin crew training	Certificate of Secondary Education Examinations (CSEE) with four (4) passes including English (religious subjects excluded)	6 months
		Ability to read, speak, write and understand English language	
		Age between 18 and 30 years inclusively	
		Acceptable Body Mass Index (18.5 – 24.9) Kg/m2	
		Medical Certificate Class 2	
		Competence in any other international language is an added advantage	
		Foreign applicants must have a legal permit to stay/ study in the country	
4.	Cabin Crew Recurrent Course	Valid Cabin Crew Certificate issued by CAA	1 week
		Be able to read, speak and write English language	
		Foreign applicants must have a legal permit to stay or study in Tanzania	
5.	Cabin Crew Aircraft Type Course	Valid Cabin Crew Certificate issued by CAA	1 week
		Be able to read, speak and write English language	
		Foreign applicants must have legal permit to stay or study in Tanzania	
6.	Cabin Crew Qualification Course – Category I	Cabin Crew Certificate issued by CAA	1 week
		Be able to read, speak and write English language	
		Be physically and medically fit	
		Acceptable body mass index (18.5-24.9) kg/m2	
		Foreign applicants must have legal permit to stay or study in Tanzania	
7.	Cabin Crew Qualification Course – Category II	Cabin Crew Certificate issued by CAA	4 weeks
		Be able to read, speak and write English language	
		Be physically and medically fit	
		Acceptable body mass index (18.5-24.9) kg/m2	
		Foreign applicants must have legal permit to stay or study in Tanzania	
8.	Flight Operations Officer Recurrent Course	Holder of FOO/FD certificates of completion or equivalent	1 week
		Holder of FOO/FD License	
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must have a legal permit to stay/ study in the country	
9.	Cabin Crew Qualification Course – Category III	Introductory letter and/or Certificate of completion from any Unapproved Training Organization	4 weeks
		Certificate of Secondary Education Examination (CSEE) or equivalent	
		Be able to read, speak and write the English language	
		Be physically and medically fit; and	
		Foreign applicants must have a legal permit to stay or study in Tanzania	

10.	Flight Operations Officer Course	Certificate of Secondary Education Examinations (CSEE) with passes in Physics, Geography, Mathematics, and English	9 months
		Ability to read, speak, write and understand English language	
		Minimum age of 21 years; and	
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must have a legal permit to stay/study in the country	
11.	Safety Management System Course	Certificate of Secondary Education Examinations (CSEE) with four (4) passes including English (religious subjects excluded)	1 week
		Ability to read, speak, write and understand English language	
		Minimum age of 18 years	
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
12.	Safety Management System Recurrent Course	Certificate of completion of SMS course	2 days
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
13.	Human Factors Course	Certificate of Secondary Education Examinations (CSEE) with four (4) passes including English (religious subjects excluded)	1 week
		Ability to read, speak, write and understand English language	
		Minimum age of 18 years	
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
14.	Human Factors Recurrent Course	Certificate of completion of Human Factors course	2 days
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
		Medical fitness report from any recognized government medical centre	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	

15.	Crew Management Course	Resource	Certificate of Secondary Education Examinations (CSEE) with four (4) passes including English (religious subjects excluded)	3 days
			Ability to read, speak, write and understand English language	
			Minimum age of 18 years	
			Medical fitness report from any recognized government medical centre	
			Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
16.	Crew Management Course	Resource	Certificate of completion of CRM course	1 day
		Recurrent	Medical fitness report from any recognized government medical centre	
			Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
17.	Global Distribution System Fares and Ticketing – Amadeus		Certificate of Secondary Education Examination (CSEE) with at least three passes including Mathematics and English subjects (religious subjects excluded)	1 month
			Minimum age of eighteen (18) years	
			Ability to read, speak and write English	
			Knowledge of computer applications will be an added advantage	
			Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
18.	Airport Operations Fundamentals		Certificate of Secondary Education Examination (CSEE) with at least three passes including English subjects (religious subjects excluded)	1 week
			Ability to read, speak and write English	
			Minimum age of eighteen (18) years.	
			Knowledge of computer applications will be an added advantage	
			Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
19.	Airline Marketing		Certificate of Secondary Education Examination (CSEE) with at least three passes including English subjects (religious subjects excluded)	1 week
			Ability to read, speak and write English	
			Minimum age of eighteen (18) years	
			Knowledge of computer applications will be an added advantage	
			Foreign applicants must possess a valid legal permit to stay/study in Tanzania	

20.	Airline Customer Service	Certificate of Secondary Education Examination (CSEE) with at least three passes including English subjects (religious subjects excluded)	1 week
		Ability to read, speak and write English	
		Minimum age of eighteen (18) years	
		Knowledge of computer applications will be an added advantage	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	
21.	Cargo Introductory	Certificate of Secondary Education Examination (CSEE) with at least three passes including English subjects (religious subjects excluded)	2weeks
		Ability to read, speak and write English	
		Minimum age of eighteen (18) years	
		Knowledge of computer applications will be an added advantage	
		Foreign applicants must possess a valid legal permit to stay/study in Tanzania	

4.2. OTHER SHORT COURSES OFFERED

- (a) Aviation Security Awareness,
- (b) Dangerous Goods Awareness,
- (c) Tyre Care and Maintenance,
- (d) Radiopharmaceutical Shipments Handling Skills,
- (e) Transport Officers' Seminars,
- (f) Fleet Management in Road Transport Operations,
- (g) Diesel Engine Service and Maintenance,
- (h) Airline Marketing Management,
- (i) Transport Costing and Transport Statistical Analysis,
- (j) Freight Forwarding Operations and Management,
- (k) Customer Care for Passenger Transport Agents and Ticketing Clerks,
- (l) Vehicle Fleet Management and Maintenance,
- (m) Fuel Management in Vehicle Operations,
- (n) Dangerous Cargo Handling Skills,
- (o) Airport /Aviation Security Handling Skills,
- (p) Travel and Tourism Handling Skills,
- (q) Airline/Airport Customer Care Handling Skills,
- (r) Road Safety Awareness,
- (s) Perishable Shipments Handling Skills,

- (t) Introductory Computing Programmes,
- (u) Engine Overhaul (Petrol and Diesel),
- (v) Cargo Tallying for International Shipping,
- (w) Electronic Fuel Injection (EFI),
- (x) Petrol Engine Service and Maintenance.

5.0 APPLICATION AND ADMISSION PROCEDURES

5.1. MODE OF APPLICATION

Applications for admission are done in the online application system (oas) of the National Institute of Transport through the following link: <https://oas.nit.ac.tz/login>.

5.2. MODE OF PAYMENT

5.2.1. All Courses (Except Aviation Courses)

Payment of the non-refundable application fee of 10,000 T.shs is done through the control number generated in the applicant's account on the Institute's oas.

5.3. APPLICANTS FOR PROFESSIONAL DRIVING

Applications for driving courses are received through the Directorate of Academic Support Services (DASS).

5.4. APPLICANTS FOR AVIATION PROFESSIONAL COURSE

Applications for admission are done in the online application system (oas) of the National Institute of Transport through the following link: <https://oas.nit.ac.tz/login/>. The following documents are required during the application: -

- (a) Academic/professional certificate(s),
- (b) Birth certificate,
- (c) One coloured passport-size photo (blue background),
- (d) One coloured full picture, size 6x8 (while standing) for cabin crew courses; and
- (e) Curriculum Vitae (maximum length of 1 page),
- (f) Certificate of Ab-Initio Training (required for recurrent courses),
- (g) Licence (if required),
- (h) Medical Certificate (if required),
- (i) National Identification (required for local applicants),
- (j) Passport (required for foreign applicants),
- (k) Living/Study permit (required for foreign applicants), During application

5.5 APPLICATION PAYMENT FOR AVIATION PROFESSIONAL COURSES

5.5.1 Payment For Aviation Professional Courses (Except Pilot Courses)

Candidates should pay the application fee of Tshs. 10,000 (non-refundable) and shall be paid online by using a Control Number obtained from the application portal.

5.5.2 Payment For Pilot Courses

The application fee is TZS. 100,000/= (non-refundable) for Tanzanian applicants and USD 100 for non-Tanzanian applicants. The fee should be paid through online-application portal by using a Control Number obtained from the application portal, through mobile money transfer tool (Tigo- Pesa, M-Pesa, Airtel Money).

6.0. REGISTRATION OF STUDENTS

6.1. REGISTRATION FOR LONG-TERM COURSES

- (a) Registration duration for first-year applicants selected to pursue long-term courses is within the first two weeks of the academic year after they have paid the prescribed fee. Specifically, the deadline for registration for first-year students is two weeks from the first day of the orientation week, while for continuing students it is the Friday of the second week after the beginning of the First Semester session of the respective academic years. A student who fails to register within the specified period will lose their studentship status and be discontinued from studies. Every student shall report at the Institute at the beginning of the semester and on the prescribed date by the Institute. A student who fails to report within fourteen (14) days from the prescribed date shall lose the admission status.
- (b) During registration every student must produce and submit the following documents:
- (c) A letter of admission and the joining instructions sent to him/her,
- (d) A duly filled acceptance form to abide by the Institute's Rules and Regulations,
- (e) A duly filled medical examination form,
- (f) All original Academic Certificates, Academic Transcripts and birth certificate,
- (g) Two recent passport-size photographs taken not more than six months,
- (h) Foreign students are required to apply for a residence permit from the nearest Tanzania Embassy or High Commission before they depart from their countries of origin to Tanzania.
- (i) Students who have been selected but cannot register at the Institute for any reason cannot defer admission to the next academic year.
- (j) Students who have postponed studies are required to report at the Institute at the beginning of a corresponding semester similar to the one she/he left the Institute.

- (k) No change of names by registered students shall be accepted during the period of study at the Institute. Names appearing on the original academic certificates shall be used and maintained.
- (l) No student is allowed to change the course for which she/he has been registered. In very exceptional circumstances a student will be allowed to change the course not later than the Friday of the second week after the beginning of the first semester for the session of the first year.
- (m) No student is allowed to postpone studies after the commencement of an academic year except under exceptional circumstances. The permission to postpone the studies shall be approved by the faculty dean after satisfactory submission of evidence for the reasons to postpone studies and written approval from the sponsor(s). A student who successfully postpones studies shall be away for a maximum of four semesters and shall resume studies at the level and semester that the student had left.
- (n) Students discontinued from studies based on unsatisfactory academic performance may be considered for readmission to a different programme in the following year. However, for students to enrol in the same programme as that they had been discontinued there shall be a lapse of three years.
- (o) Students discontinued from studies based on disciplinary grounds shall be re-admitted to any programme at the Institute

6.2. REGISTRATION FOR PROFESSIONAL DRIVING SHORT COURSES

- (a) Registration of successful applicants to pursue Professional Driving Short Courses at the Institute takes place within the first three (03) days after the start of the course. Professional driving courses for Public Service Vehicles (Passengers) (PSV) are offered at the Institute at Mabibo Ubungu Campus and in Zonal Centers of Arusha, Dodoma, Mwanza, Kigoma, Geita and Mbeya. Other short courses are also offered at the Institute on request – (tailor-made courses),
- (b) Participants are required to bring and submit evidence of full payment of course fees as prescribed by the Institute before being registered. Upon production of evidence of application and course fee payment, applicants are also required to submit original Driving Licenses and copies of educational certificates and any other relevant copies of certificates as required by respective courses. Participants without the mentioned documents shall not be registered for the short courses at the Institute,
- (c) Short course participants who will experience social and health problems during the course are required to report in writing to the Head of the Department of Transport Safety and Environmental Engineering for further action.

6.3. REGISTRATION FOR PROFESSIONAL AVIATION SHORT COURSES

- (a) Registration of successful applicants shall be done on the first day after the start of the course. Failure to register within the first day after commencement of training shall lead to cancellation of your admission.
- (b) All candidates shall only be admitted upon producing a satisfactory medical report of Health fitness. You are therefore requested to undergo a medical examination by a registered medical practitioner before coming to the Institute.
- (c) On arrival, candidates are supposed to report to the DASS's office for registration after submission of the following:–
 - (i) Evidence of tuition and other mandatory payment,
 - (ii) The letter of invitation (Admission Letter) to join the Institute,
 - (iii) A duly filled Medical Examination Form,
 - (iv) Original Academic Certificates and certified Academic Transcripts where it is applicable, including two copies of each Academic Certificates,
 - (v) Original Birth Certificate with two copies,
 - (vi) Indemnity Form,
 - (vii) Police Clearance Form,
 - (viii) Introductory Letter from the Local Government Authority and/or Employer,
 - (ix) National Identity card / Passport,
 - (x) Passport with two copies.
- (d) Any student who is sponsored by his or her employer will have to produce written evidence from his or her employer that, he or she has been officially released to pursue the intended programme. One should bring such evidence for use during the registration exercise.
- (e) Every student must attend an orientation programme that shall last for two hours before the commencement of training.

7.0. INSTITUTE'S RULES AND REGULATIONS

Upon being registered as a bona fide student at the Institute, each student is required to obtain and read thoroughly the Institute's rules and regulations. The Institute's rules and regulations are but not limited to those provided below:

- (a) Conditions for Government sponsorship (in case of Government sponsored students or Higher Education Students Loan Board),
- (b) Student by-laws which govern the general welfare, conduct and discipline of each student while studying at the Institute, Examination Rules and Regulations which govern academic conduct at the Institute.
- (c) Constitution of SONIT,
- (d) Field Work Training Regulations,
- (e) Library regulations,
- (f) Any other regulations issued by the Institute from time to time.

8.0. PROFILE OF ACADEMIC FACULTIES AND DIRECTORATES

The Academic wing has five faculties namely: Faculty of Aviation Technology, Faculty of Maritime and Petroleum Technology, Faculty of Transport Engineering and Technology, Faculty of Logistics and Business Studies and Faculty of Informatic and Technical Education. Further-the Academic wing has two directorates; Directorate of Academic Support Services and Directorate of Research, Consultancy and Publications;

8.1. DIRECTORATE OF ACADEMIC SUPPORT SERVICES

The Directorate supports the provision of academics and admission at the Institute. The Directorate encompasses; Industrial Liaison and Career Guidance Unit (ILCGU), Centre for Professional Development (CPD), National Transport Learning Resource Centre (NTRC), Curricula Development Unit (CDU), Admission and Examination Office, and Printing Unit.

8.1.1. Activities performed under the Directorate of Academic Support Services

- (a) To ensure the availability and adequacy of references and learning materials;
- (b) To keep tools, machines and equipment entrusted to facilitate Library services provisions;
- (c) To prepare plans, policies and guidelines for the directorate;
- (d) To establish and foster closer association with other institutions of higher learning;
- (e) To establish, develop and run a career development programme for current NIT students including the development of individual career plans;
- (f) To coordinate curriculum development and review responsive to employee's/market needs;
- (g) To oversee admission and examination processes and;
- (h) To oversee the activities of the Printing Press as well as NIT-Entrepreneurship, Business and Innovation Centre.

8.2. DIRECTORATE OF RESEARCH, CONSULTANCY AND PUBLICATIONS

The Directorate is responsible for coordinating all matters related to Research, Consultancy and Publications in transport and other related disciplines.

8.2.1. *Activities performed under the Directorate of Research, Consultancy and Publication*

- (a) To solicit and manage consultancies by liaising with Government departments, Private and Public sector organizations, Education Institutions, Donor Agencies and other Consultancy Institutions;
- (b) To prepare and implement policies, procedures and objectives of the Institute about research and consultancy;
- (c) To coordinate strategic plans for consultancy activities in collaboration with academic departments;
- (d) To coordinate and administer the Institute research and consultancy activities and services to industry for practicing professionals in the related field;
- (e) To safeguard the interest of the Institute in all matters related to research and consultancy services;
- (f) To establish and effectively enforce quality control measures in all Institute's research and consultancy activities;
- (g) To oversee NIT-Logistics and Transport Company Ltd activities;

8.3. FACULTY OF LOGISTICS AND BUSINESS STUDIES

The Faculty of Logistics and Business Studies (FoLBS) oversees the development and review of academic programmes to ensure the efficient provision of quality education in logistics and business-related academic programmes. The faculty has over 43 long-term academic programmes attracting over 11000 students. The FoLBS hosts three academic departments, namely: The Department of Logistics and Transport Management; the Department of Management Sciences and the Department of Economics, Accounting and Finance.

8.3.1. *Department of Logistics and Transport Management*

The Department is responsible for providing education and training in Logistics and Transport Management and Road and Railways Transport Management programmes. Currently, the Department conducts Master's degree (NTA Level 9), Bachelor's Degree (NTA Level 7-8) and Ordinary Diploma (NTA Level 4-6) Programmes.

8.3.1.1. Masters of Logistics and Transport Management

(a) Purpose of the qualification

The purpose of this qualification is to prepare experts who will demonstrate capability, knowledge and skills using critical thinking attributes in handling logistics and transport Management activities, decision-making, research and development, and human and fleet resources operating under the logistics and transport industry.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTG 09101	Transport Analytics and Planning	9
2.	LTG 09102	Transport Accounting and Finance	9
3.	LTG 09103	Transport Economics	9
4.	LTG 09104	Warehousing and Inventory Control	12
5.	LTG 09105	Logistics Information Systems	9
6.	LTG 09106	Research Methodology	6
7.	LTG 09107	Multi-Modal Transport Analysis	9
Elective Modules			
8.	LTG 09108	Motor Fleet Operations Management	9
9.	LTG 09109	Railway Operations Management	9
10.	LTG 09110	Port Operations Management	9
11.	LTG 09111	Air Transport Operations Management	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTG 09201	Logistics and Transport Marketing	9
2.	LTG 09202	Cargo and Passenger Handling Management	9
3.	LTG 09203	Supply Chain Risk Management	9
4.	LTG 09204	Project Management and Enterprising	9
5.	LTG 09205	Physical Distribution Management	9
Elective Modules			
6.	LTG 09206	Road Transport Operations and Safety	9
7.	LTG 09207	Railway Legislation, Regulations and Policy	9
8.	LTG 09208	Shipping Operations Management	9
9.	LTG 09209	Air Transport Economics and Finance	9
10.	LTG 09210	Humanitarian Logistics	9
11.	LTG 09211	Pipeline Transport Operations Management	9
Total Credits			54

DISSERTATION

S/No.	Module Code	Module Name	Class	Credits
12.	LTG 09212	Dissertation	Core	50

(c) **Award**

On successful completion of the programme, a candidate is awarded the Master's Degree (NTA Level 9) in Logistics and Transport Management of the National Institute of Transport.

8.3.1.2. Bachelor's Degree (NTA Level 7-8) in Logistics and Transport Management Programmes

8.3.1.2.1. Higher Diploma (NTA Level 7) in Logistics and Transport Management

(a) **Purpose of the Qualification**

This qualification is intended for a person who will plan, organize and control logistics and transport undertakings, manage company resources economically, analyze the operational business environment and forecast future situations.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 07101	Road Transport Management	12
2.	LTU 07102	Managerial Accounting	9
3.	LTU 07103	Transport Statistics	9
4.	LTU 07104	Transport Safety and Security	12
Fundamental Modules			
5.	GSU 07101	Business Communication Skills	9
6.	ITU 07101	Computer Applications	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 07201	Customs and Tax Management	9
2.	LTU 07202	Procurement Management	9
3.	LTU 07203	Human Resource Management	9
4.	LTU 07204	Motor Vehicle Technology and Workshop Management	9
5.	LTU 07205	Logistics and Supply Chain Management	9
6.	LTU 07206	Rail Transport Management	9
Fundamental Modules			
7.	LTU 07207	Quantitative Methods	9
Total Credits			60

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 07301	Transport Planning and Policy	12
2.	LTU 07302	Transport Economics	9
3.	LTU 07303	Logistics Information and Intelligent Transport Systems	9
4.	LTU 07304	Law of Business and Carriage	9
5.	LTU 07305	Maritime Transport Management	12
6.	LTU 07306	Industrial Practical Training	12
Fundamental Modules			
7.	LTU 07307	Development Studies	9
Total Credits			63

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 07401	Transport Management Control Systems	9
2.	LTU 07402	Inter-Modal and Multimodal Transport	12
3.	LTU 07403	Logistics and Transport Marketing	9
4.	LTU 07404	Air Transport Management	12
	LTU 07405	Pipeline Transport Management	9
Fundamental Modules			
5.	LTU 07406	Research Methodology	9
Total Credits			60

(c) Award

On successful completion of the programme, a candidate who wishes to exit is awarded the Higher Diploma in Logistics and Transport Management of the National Institute of Transport.

8.3.1.2.2. Bachelor's Degree (NTA Level 8) in Logistics and Transport Management**(a) Purpose of the Qualification**

This qualification is intended for a person who will manage logistics and transport operations, establish viable small scale enterprises, promote the growth of the organization and analyze the total transport system in the global context.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 08101	Rural and Urban Transport Planning	12
2.	LTU 08102	Transport Insurance	9
3.	LTU 08103	Handling of Dangerous Goods and Abnormal Loads	15
4.	LTU 08106	Humanitarian Logistics	9
5.	LTU 08107	Inventory and Warehousing Management	12
6.	LTU 08105	Industrial Practical Training	12
Fundamental Modules			
5.	LTU 08104	Strategic Transport Management	9
Total Credits			78

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTU 08201	Green Logistics	9
2.	LTU 08206	International Logistics	15
3.	LTU 08203	Travel and Tourism	9
4.	LTU 08204	Research Project	12
Fundamental Modules			
5.	LTU 08207	Entrepreneurship Skills	9
Total Credits			54

(c) Award

On successful completion of the programme, the candidate is awarded the Bachelor's Degree (NTA Level 8) in Logistics and Transport Management of the National Institute of Transport.

8.3.1.3. Ordinary Diploma (NTA Level 4 to 6) in Logistics and Transport Management Programmes

8.3.1.3.1. Basic Technician Certificate (NTA Level 4) in Logistics and Transport Management

(a) Purpose of the Qualification

This qualification is intended for persons who will handle routine Logistics and Transport operations in an organization including preparation, issuing and maintaining documents, marshalling resources and handling passengers and goods.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 04101	Basics of Logistics and Transport	12
2.	LTT 04103	Basics of Fleet Management	12
Fundamental Modules			
3.	LTT 04102	Basics of Accounting	12
4.	LTT 04104	Basics of Computer Applications	9
5.	LTT 04105	Basic Communication Skills	6
6	LTT 04106	Basics of Entrepreneurship	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 04205	Basics of Freight and Passenger Operations	15
2.	LTT 04207	Logistics and Transport Operations	9
3.	LTT 04208	Basics of Freight Clearing and Forwarding	9
Fundamental Modules			
4.	LTT 04204	Basic Commercial Aspects	9
5.	LTT 04202	Basic Business Mathematics	6
6.	LTT 04206	Office Practice in Logistics	9
Total Credits			57

(c) Award

Upon successful completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Logistics and Transport Management of the National Institute of Transport.

8.3.1.3.2. Technician Certificate (NTA Level 5) in Logistics and Transport Management

(a) Purpose of the Qualification

This qualification is intended for a person who will handle operational activities in transport and logistics in an organization including marketing of services, handling records, correspondences, documents, passengers and freight.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 05107	Principles of Inventory and Warehousing Management	12
2.	LTT 05102	Principles of Physical Distribution	12
3.	LTT 05108	Principles of Freight Clearing and Forwarding	9
4.	LTT 05104	Industrial Practical Training	12
Fundamental Modules			
4.	LTT 05105	Basics of Entrepreneurship Skills	9
5.	LTT 05106	Basic Computer Applications	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 05204	Basics of Transport Planning	12
2.	LTT 05205	Principles of Logistics and Transport Operations	12
3.	LTT 05206	Supervisory Skills	9
4.	LTT 05207	Principles of Transport Economics	12
Fundamental Modules			
5.	LTT 05208	Business Communication	9
6.	LTT 05209	Business Mathematics and Statistics	9
Total Credits			63

(c) Award

Upon successful completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Logistics and Transport Management of the National Institute of Transport.

8.3.1.3.3. Ordinary Diploma (NTA Level 6) in Logistics and Transport Management

(a) Purpose of the Qualification

This qualification is intended for a person who will apply supervisory skills and knowledge in transport and logistics including cargo and passenger handling, fleet management, preparation of documents and performing administrative matters.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 06104	Development Studies	6
2.	LTT 06105	Business Law and Ethics	12
Fundamental Modules			
3.	LTT 06107	Basics of Transport Accounting and Finance	12
4.	LTT 06108	Freight and Passenger Transport	12
5.	LTT 06106	Principles of Intermodal and Multi-modal Transport	12
6.	LTT 06102	Industrial Practical Training	12
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LTT 06207	Basics of Logistics Information Systems	9
2.	LTT 06208	Principles of Transport Safety and Security	12
3.	LTT 06209	Principles of Handling Dangerous Goods and Abnormal Loads	12
4.	LTT 06204	Fundamentals of Logistics and Supply Chain Management	12
5.	LTT 06210	Basics of Motor Vehicle Technology and Workshop Management	12
6.	LTT 06211	Transport and Logistics Statistics	9
Total Credits			60

(c) Award

On successful completion of the programme, a candidate is awarded the Ordinary Diploma in Logistics and Transport Management of the National Institute of Transport.

8.3.1.4. Bachelor's Degree (NTA Level 7-8) in Road and Railway Transport Logistics Management

8.3.1.4.1. Higher Diploma (NTA Level 7) in Road and Railway Transport Logistics Management

(a) Purpose of the Qualification

This qualification is intended for a person who will perform managerial activities in road and railway transport sub-sectors but not limited to preparation of periodic performance reports, summary of operational activities and make decisions.

(b) Summary of Module**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 07104	Train and Traffic Control Management	9
2.	RRU 07105	Logistics and Transport Management	9
3.	RRU 07106	Rail Transport System	12
4.	RRU 07107	Intermodal and Multimodal Transport	9
5.	RRU 07108	Transport Statistics	9
Fundamental Modules			
6.	RRU07101	Business Communication Skills	6
7.	RRU07102	Computer Applications	9
8.	RRU07103	Managerial Accounting	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 07211	Road and Railway Safety, Security and Environmental Management	12
2.	RRU 07212	Road and Railway Transport Finance	9
3.	RRU 07213	Road and Railway Traffic Tariffs	9
4.	RRU 07214	Rural and Urban Transport Planning	12
Fundamental Modules			
5.	RRU 07209	Quantitative Methods	9
6.	RRU 07210	Human Resource Management	9
Total Credits			60

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 07316	Logistics and Information Technology	12
2.	RRU 07317	Intelligent Transport System	9
3.	RRU 07318	Fleet Operations Management	9
4.	RRU 07319	Inventory and Warehousing Management	9
5.	RRU 07320	Industrial Practical Training	12
Fundamental Modules			
6.	RRU 07315	Development Studies	9
Total Credits			60

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 07423	Road and Railway Transport Marketing	12
2.	RRU 07424	Road and Railway Transport Economics	12
3.	RRU 07425	Road and Railway Transport Planning and Policy	12
4.	RRU 07426	Motor Vehicle Technology	9
Fundamental Modules			
5.	RRU 07421	Research Methodology	9
6.	RRU 07422	Law of Business and Carriage	9
Total Credits			63

(c) Award

On successful completion of the programme, a candidate who wishes to exit is awarded the Higher Diploma in Road and Railway Transport Logistics Management of the National Institute of Transport.

8.3.1.4.2. Bachelor's Degree (NTA Level 8) in Road and Railway Transport Logistics Management

(a) Purpose of the Qualification

This qualification is intended for a person who will manage logistics and transport operations, establish viable small scale enterprises, promote the growth of the organization and analyze the total transport system and the global context.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 08103	Train and Traffic Control Management	9
2.	RRU 08104	Railway Complexity	12
3.	RRU 08105	Logistics and Supply Chain Management	9
4.	RRU 08106	International Logistics	9
5.	RRU 08107	Industrial Practical Training	12
Fundamental Modules			
6.	RRU 08101	Strategic Transport Management	6
7.	RRU 08102	Travel and Tourism	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRU 08209	Packaging and Material Handling	9
2.	RRU 08210	Handling of Dangerous Goods	12
3.	RRU 08211	Road Traffic Operation Management	9
4.	RRU 08212	Road and Railway Transport Insurance	9
5.	RRU 08213	Procurement Management	9
6.	RRU 08214	Research Project	12
Fundamental Modules			
7.	RRU 08208	Entrepreneurship Skills	9
Total Credits			69

(c) Award

On successful completion of the programme, a candidate is awarded the Bachelor's Degree (NTA Level 8) in Road and Railway Transport Logistics Management of the National Institute of Transport.

8.3.1.5. Ordinary Diploma (NTA Level 6) in Road and Railway Transport Logistics Operation**8.3.1.5.1. Basic Technician Certificate (NTA Level 4) in Road and Railway Transport Logistics Operations****(a) Purpose of Qualifications**

This qualification is intended for persons who will perform routine activities and supervised tasks in road and railway transport logistics in an organization, including marshaling activities, handling records, correspondences, documents, passengers and freight.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 04104	Basics of Logistics and Transport	12
2.	RRT 04105	Passenger Services	12
3.	RRT 04106	Train Formation Movement	12
Fundamental Modules			
4.	RRT 04101	Basics of Accounting	6
5.	RRT 04102	Basic Communication Skills	9
6.	RRT 04103	Basics of Computer Application	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 04208	Basics of Freight Operations	12
2.	RRT 04209	Traffic Accounting	12
3.	RRT 04210	Train Movement, Consignment Safety and Security	12
4.	RRT 04211	Basics of Fleet Operations	15
Fundamental Modules			
5.	RRT 04207	Basic Business Mathematics	9
Total Credits			60

(c) Awards

On successful completion of the programme a candidate who wishes to exit is awarded the Basic Technician Certificate in Road and Railway Transport Operations of the National Institute of Transport.

*8.3.1.5.2. Technician Certificate (NTA Level 5) in Road and Railway Transport Operations***(a) Purpose of the Qualification**

This qualification is intended for persons who will handle operational activities in transport and logistics in an organization including marketing of service and handling records, correspondences, documents, passengers and freight.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 05101	Train Operating System	6
2.	RRT 05102	Railway Equipment and Facilities	6
3.	RRT 05103	Basic Automobile Technology	9
4.	RRT 05104	Basics of Logistics Management	9
5.	RRT 05109	Industrial Practical Training	12
Fundamental Modules			
6.	RRT 05105	Basics of Customer Service and Marketing	6
7.	RRT 05106	Computer Applications	9
8.	RRT 05107	Principles of Entrepreneurship	6
9.	RRT 05108	Principles of Accounting	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 05213	Railway Safety, Security and Environment	6
2.	RRT 05214	Goods and Coaching Accounting	9
3.	RRT 05215	Elements of Motor Fleet Operations	12
4.	RRT 05216	Basics of Handling Dangerous and Abnormal Loads	9
Fundamental Modules			
5.	RRT 05210	Communication Skills	9
6.	RRT 05211	Basic Business Statistics	9
7.	RRT 05212	Supervisory Skills	6
Total Credits			60

(c) Awards

On successful completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Road and Railway Transport Logistics Operations of the National Institute of Transport.

8.3.1.5.3. *Ordinary Diploma (NTA Level 6) in Road and Railway Transport Logistics Operations*

(a) Purpose of the Qualification

This qualification is intended for persons, who will apply supervisory skills and knowledge in transport and logistics including cargo and passenger handling, fleet management, preparations of document and performing administrative matters.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 06101	Station Accounts and Operation Inspection	12
2.	RRT 06102	Handling and Prevention of Claims	9
3.	RRT 06103	Principles of Road and Railway Transport Economics	9
4.	RRT 06104	Transport Geography	12
5.	RRT 06105	Intermodal and Multimodal Transport	9
6.	RRT 06107	Industrial Practical Training	12
Fundamental Modules			
7.	RRT 06106	Basics of Professional Ethics	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RRT 06207	Law of Contract and Carriage	9
2.	RRT 06208	Train and Traffic Control	12
3.	RRT 06209	Road Safety Security and Environment	9
4.	RRT 06210	Passenger and Freight Operations	9
5.	RRT 06211	Inventory and Warehousing Operations	9
Fundamental Modules			
6.	RRT 06212	Business Mathematics and Statistics	9
7.	RRT 06213	Development Studies	9
Total Credits			66

(c) Awards

on successful completion of the programme a candidate is awarded the Ordinary Diploma in Road and Railway Logistics Operations of the National Institute of Transport.

8.3.1.6. Academic Staff

Head of Department

Dr. Benitha Myamba

PhD in Business Administration – logistics and Supply Chain Management – (UDSM), Mphil. in Maritime Studies – (Stellenbosch University. S.A), BPhil. Maritime Studies (Stellenbosch University. S.A), BSc Wildlife Conservation – (UDSM), Member CILT, TARA, NACTVET.

Examination Coordinator

Mr. Michael A. Soka

MSc. in Railway Operations Management and Policy – (University of Leeds, UK), Placement Training, Network Rail, (York, UK).

Senior Lecturers

Dr. Prosper S. Nyaki

PhD in Transportation Engineering (UDSM), MSc. in Geo-Information Science in Urban Planning and Management – (Netherlands), ADTM – (NIT), DAE – (NIT), MCILT – (UK).

Dr. Benitha Myamba

PhD in Business Administration – logistics and Supply Chain Management – (UDSM), Mphil. in Maritime Studies – (Stellenbosch University. S.A), BPhil. Maritime Studies (Stellenbosch University. S.A), BSc Wildlife .

Lecturers

Dr. David Stephano

PhD in Business Administration (Air Transport Management), MSc in International Logistics & Transport, PGD in Logistics and Transport Management and BSc ICT. Member of CILT.

Mr. Godlisten Msumanje

MSc. Logistics and Transport Management – (NIT), Master of Logistics Management Managemen.t – (ZUA, China), BLTM – (NIT), MCILT – (UK), Member TARA.

Mr. Salum Mihayo	MSc. in Procurement and Supply Chain Management, Advanced Diploma in Freight Clearing and Forwarding, Membership with TARA and CILT.
<i>Assistant Lecturers</i>	
Mr. Michael A. Soka	MSc. in Railway Operations Management and Policy – (University of Leeds, UK), Placement Training, Network Rail, (York, UK), BLTM-(NIT).
Mr. Sesera A. Samson	MSc, Logistics and Transport Management – (NIT), – (NIT), BLTM– (NIT), Member TARA.
Mr. Michael P Chuwa	MSc. International Transport and Logistics – (UDSM), BBA in Procurement and Logistics Management – (MU), CPSP(T) – (PSPTB).
Mr. Godfrey Msae	MSc, Logistics and Transport Management – (NIT), BLTM – (NIT)
Mr. Lawlence Nyenye	MSc. Shipping Economics and Logistics – (DMI), Bachelor Degree in Shipping and Logistics Management (DMI), Ordinary Diploma in Shipping Port Management – Bandari College.
*Ms. Tatu Salum	MSc. in Procurement and Supply Chain Management, Advanced Diploma in Freight Clearing and Forwarding, Certificate in Nautical Science, Membership with TARA and CILT.
<i>Principal Tutor</i>	
Mr. Alex Butogo	Msc. in Procurement and Supply Chain Management, Advanced Diploma in Freight Clearing and Forwarding, Membership with TARA and CILT.
<i>Tutorial Assistants</i>	
	*Ms. Zawadi Mwakyoma BLTM-NIT
	*Ms. Lulu Siame BLTM-NIT
	Mr. Emmanuel Raphael BLTM-NIT
	Mr. Ladislaus Pius BLTM-NIT
	Mr. Hamidu Msuya BLTM-NIT
	Mr. Steven Mdendemi BLTM-NIT
	Ms. Eunice Clavery BLTM-NIT

8.3.2. Department of Management Sciences

The department is responsible for planning, organizing and conducting Procurement and Logistics Management, Human Resource Management and Marketing and Public Relations programmes. Currently, the Department conducts Master's degree (NTA Level 9), Bachelor's Degree (NTA Level 7-8) and Ordinary Diploma (NTA Level 4-6) Programmes.

8.3.2.1. Master of Procurement, Logistics and Supply Chain Management

(a) Purpose of the qualification

The Masters in Procurement, Logistics and Supply Chain Management aims to develop proficient and capable individuals with expert knowledge and abilities to manage procurement risk, contracts, and strategies for long-term relationships with suppliers, prepare detailed annual procurement

plans and reports, control stock of consumables, manage and scrutinise operations of organisational procurement procedures, manage assets and inventories, coordinate with internal and external stakeholders, manage supply chain performance, review and develop risk management strategies, negotiate contracts, undertake research, and evaluate vendors.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLG 09101	Asset Management	12
2.	PLG 09102	Strategic Procurement and Supply Chain Management	12
3.	PLG 09103	Procurement Project Management	12
4.	PLG 09104	Global Supply Chain Management	12
5.	PLG 09105	Operations Management	12
Fundamental Modules			
6.	PLG 09106	Research Methodology	12
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLG 09207	Procurement Risk and Contract Management	12
2.	PLG 09208	Public Procurement Practices	12
3.	PLG 09211	Humanitarian Logistics	12
Fundamental Modules			
4.	PLG 09209	Leadership and Governance	9
5.	PLG 09210	Business Negotiation Skills	12
Total Credits			57

Dissertation

S/No.	Module Code	Module Name	Class	Credits
6.	PLG 09212	Dissertation	Core	50

8.3.2.2. Bachelor's Degree (NTA Level 7-8) in Procurement and Logistics Management Programme

The programmes comprise two levels; Higher Diploma (NTA Level 7) and Bachelor's Degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two years) and NTA Level 8 has two semesters (equivalent to one year). Therefore, NTA Level 7 is an entry qualification to NTA Level 8.

8.3.2.2.1. Higher Diploma (NTA Level 7) in Procurement and Logistics Management

(a) Purpose of the Qualification

This qualification is intended for a person who will perform a broad range of complex technical procurement and logistics activities including the preparation of annual procurement plan, tender documents and management of inventory. As well as managing physical, human and financial resources and conducting research work.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLU 07107	Procurement and Supply Procedures	15
Fundamental Modules			
2.	MPU 07103	Business Statistics	6
3.	ATU 07213	Management Principles and Practices	9
4.	MPU 07101	Business Communication Skills	6
5.	PLU 07108	Business Information Systems Application	9
6.	PLU 07109	Business Accounting and Costing	9
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLU 07204	Public Procurement	15
2.	PLU 07202	Supply Chain Management	15
Fundamental Modules			
3.	PLU 07205	Decision Making Techniques	9
4.	ATU 07214	Marketing Management	9
5.	MPU 07211	Managerial Economics	9
Total Credits			57

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLU 07305	Legal Aspects of Procurement	15
2.	PLU 07307	Procurement Contract Management	15
3.	PLU 07308	Industrial Practical Training	15
	PLU 07309	Assets Management	15
Fundamental Modules			
4.	PLU 07310	Development Studies	6
5.	ATU 07319	Research Methodology	6
Total Credits			72

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLU 07408	Procurement and Supply Audit	15
2.	PLU 07409	Warehouse Management	12
3.	PLU 07410	Procurement Negotiation	15
4.	PLU 07411	International Procurement and Logistics	12
Fundamental Modules			
5.	PLU 07412	Financial Management	9
6.	MPU 07425	Organizational Behaviour	9
Total Credits			72

(c) Award

Upon successfully completing the course, a candidate who wishes to exit is awarded a Higher Diploma in Procurement and Logistics Management from the National Institute of Transport.

*8.3.2.2.2. Bachelor's Degree (NTA Level 8) in Procurement and Logistics Management***(a) Purpose of the Qualification**

This qualification is intended for a person who will perform wide procurement and logistics duties including formulation of policies, preparation of strategic procurement plans, and managing domestic and international business contracts.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BBU 08105	Procurement Ethics and Professionalism	9
2.	PLU 08105	Procurement Business Consultancy	9
3.	PLU 08103	Procurement Management	12
4.	PLU 08104	Procurement and Supply Chain Risks Management	12
5.	PLU 08106	E-procurement and supply management	12
6.	PLU 08101	Industrial Practical Training	12
Fundamental Modules			
6.	PLU 08102	Freight Forwarding Management	12
Total Credits			78

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLU 08205	Inventory Management and Control	12
2.	PLU 08206	Strategic Procurement	9
3.	PLU 08207	Logistics and Transport Management	9
4.	PLU 08208	Research Project	12
Fundamental Modules			
5.	BBU 08206	Entrepreneurship Skills	9
6.	BBU 08210	Project Management	12
Total Credits			63

(c) Award

Upon successfully completion of the course, a candidate is awarded a Bachelor's Degree (NTA Level 8) in Procurement and Logistics Management of the National Institute of Transport.

8.3.2.3. Ordinary Diploma (NTA Level 6) in Procurement and Logistics Management

8.3.2.3.1. Basic Technician Certificate (NTA Level 4) in Procurement and Logistics Management Programme

(a) Purpose of the Qualification

This qualification is intended for persons who will perform routine Procurement and Logistics duties, communicate properly, apply basic computer knowledge in Procurement duties, and address emerging socioeconomic challenges

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLT 04101	Basic Asset Management	12
2.	PLT 04102	Basic Procurement	12
Fundamental Modules			
3.	MPT 04101	Basic Communication Skills	6
4.	MPT 04102	Basics of Commerce	6
5.	MPT 04103	Basics of Accounting	6
6.	MPT 04106	Basics of Entrepreneurship	9
7.	PLT 04103	Basic Computer Applications	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLT 04202	Store Keeping	15
2.	PLT 04203	Principles of Freight Forwarding	12
3.	PLT 04204	Basic Logistics	12
Fundamental Modules			
4.	MPT 04207	Basic Business Mathematics	6
5.	MPT 04209	Office Practice and Records Management	9
6.	PLT 04205	Customer Centric Culture	6
Total Credits			60

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Procurement and Logistics Management of the National Institute of Transport.

8.3.2.3.2. Technician Certificate (NTA Level 5) in Procurement and Logistics Management

(a) Purpose of the Qualification

This qualification is intended for persons who will perform routine and non-routine procurement and logistics duties including preparation of transport and maintenance schedules and assisting in procurement and stock control activities.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BBT 05106	Principles of Stores Administration	15
2.	PLT 05105	Industrial Practical Training	12
3.	PLT 05102	Tendering Process and Techniques	15
Fundamental Modules			
3.	MPT 05101	Communication Skills	6
4.	BBT 05102	Principles of Commerce	6
5.	MPT 05106	Computer Applications	6
6.	PLT 05103	Principles of Accounting	6
7.	PLT 05106	Principles of Entrepreneurship	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLT 05205	Procurement Principles	15
2.	PLT 05206	Stock Control	15
3.	PLT 05207	Principles of Physical Distribution	15
Fundamental Modules			
4.	PLT 05208	Business Mathematics and Statistics	6
5.	PLT 06209	Principles of Economics	9
Total Credits			60

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Procurement and Logistics Management of the National Institute of Transport.

8.3.2.3.3. Ordinary Diploma (NTA Level 6) in Procurement and Logistics Management**(a) Purpose of the Qualification**

This qualification is intended for a person who will perform non-routine procurement planning, preparation, and managing modest contracts, assisting in procurement negotiations, evaluating tender documents, and managing supplies.

(b) Summary of Module**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLT 06102	Public Procurement	12
2.	PLT 06103	Fundamentals of Procurement Contract	12
3.	PLT 06104	Industrial Practical Training	12
4.	PLT 06105	Warehouse Operations	12
Fundamental Modules			
5.	ATT 06112	Development Studies	6
6.	MPT 06101	Business Law and Ethics	9
7.	HRT 06103	Basics of Occupational Health and Safety	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	PLT 06205	Asset Management	12
2.	BBT 06205	Principles of Management	9
3.	PLT 06203	Inventory Control	15
4.	PLT 06204	Elements of e-Procurement	15
Fundamental Modules			
5.	PLT 06205	Information Systems and Technology	9
Total Credits			60

(c) Award

Upon successfully completion of the programme a candidate is awarded the Ordinary Diploma in Procurement and Logistics Management of the National Institute of Transport.

8.3.2.4. *Bachelor's Degree (NTA Level 7-8) in Human Resource Management Programme*

The programmes comprise two levels; Higher Diploma (NTA Level 7) and Bachelor's Degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two years) and NTA Level 8 has two semesters (equivalent to one year). Therefore, NTA Level 7 is an entry qualification to NTA Level 8.

8.3.2.4.1. *Higher Diploma (NTAL level 7) in Human Resource Management*

(a) Purpose of the Qualifications

This qualification is intended for a person who performs human resource management activities at the managerial level. These include preparing departmental budgets, human resource planning, handling staff training programmes, and implementing performance management activities in both private and public organizations.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 07106	Management Principles and Practice	12
Fundamental Modules			
2.	HRU 07101	Business Communication Skills	9
3.	HRU 07102	Development Studies	6
4.	HRU 07103	Business Mathematics and Statistics	9
5.	HRU 07104	Computer Applications	9
6.	HRU 07105	Customer Service	9
7.	HRU 07107	Logistics and Transport Management	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 07210	Principles of Human Resource	12
2.	HRU 07211	Occupational Health and Safety	12
3.	HRU 07212	Organization Development	12
4.	HRU 07213	Administrative Law	12
Fundamental Modules			
5.	HRU 07208	Quantitative Methods	9
6.	HRU 07209	Principles of Economics	6
Total Credits			63

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 07316	Organization Behavior	12
2.	HRU 07317	Industrial Relations	12
3.	HRU 07318	Corporate Governance	12
4.	HRU 07319	Industrial Practical Training	12
Fundamental Modules			
5.	HRU 07314	Business Accounting and Costing	9
6.	HRU 07315	Research Methodology	9
Total Credits			66

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 07420	Labor Laws	12
2.	HRU 07423	Digital Human Resources Management	12
3.	HRU 07424	Human Resource Planning	12
Fundamental Modules			
4.	HRU 07421	Operations Management	9
5.	HRU 07422	Financial Management	9
6.	HRU 07425	Procurement and Supply Procedures	6
Total Credits			60

(c) Award

Upon successful completion of the course, a candidate who wishes to exit is awarded a Higher Diploma in Human Resources Management of the National Institute of Transport.

8.3.2.4.2. Bachelor's Degree (NTA Level 8) in Human Resource Management

(a) Purpose of the Qualifications

This qualification is intended for a person who will perform Human Resource Management duties including formulating policies, appraising projects, preparing strategic plans, and managing occupational Health and Safety programs, nationally and internationally.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 08102	Strategic Management	12
2.	HRU 08103	Human Resource Training and Development	12
3.	HRU 08104	Performance Management	12
4.	HRU 08106	Human Resource Management Policy	12
5.	HRU 08107	Industrial Practical Training	12
Fundamental Modules			
6.	BBU 08101	Business Ethics and Good Governance	9
7.	BBU 08102	Decision-Making Techniques	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRU 08210	Managerial and Leadership Skills	12
2.	HRU 08211	International Human Resource Management	12
3.	HRU 08212	Strategic Human Resource	12
4.	HRU 08213	Research Project	9
Fundamental Modules			
5.	HRU 08208	Entrepreneurship Skills	6
6.	HRU 08209	Project Management	6
Total Credits			57

(c) Award

Upon successful completion of the course, a candidate is awarded a Bachelor's Degree (NTA Level 8) in Human Resources Management of the National Institute of Transport.

8.3.2.5. Ordinary Diploma (NTA Level 6) in Human Resources Management Programme

8.3.2.5.1. Basic Technician Certificate (NTA Level 4) in Human Resources Management

(a) Purpose of the Qualification

This qualification is intended for persons who perform routine human resource management duties including safe keeping of employee records, dealing with incoming and outgoing mail, use computer applications to collect/ retrieve, process, and disseminate information.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 04105	Basic Principles of Management	12
2.	HRT 04106	Basic of Organizational Behavior	12
Fundamental Modules			
3.	HRT 04101	Basics Commerce	9
4.	HRT 04102	Basic Communication Skills	6
5.	HRT 04103	Basic Computer Applications	9
6.	HRT 04104	Basic Accounting	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 04208	Office Practice and Records Management	12
2.	HRT 04209	Basic Human Resource Management	12
3.	HRT 04211	Basics of Labor Law	12
Fundamental Modules			
5.	HRT 04207	Basic Business Mathematics	9
6.	HRT 04210	Basics of Entrepreneurship	9
7.	HRT 04212	Basic Logistics and Transport	9
Total Credits			63

(c) Award

Upon successfully completing the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Human Resources Management.

8.3.2.5.2. Technician Certificate (NTA Level 5) in Human Resources Management

(a) Purpose of the Qualification

This qualification is intended for a person who performs routine human resource duties including maintaining personnel records., collecting data necessary for staff training and development, use computer applications to prepare various office documents.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 05103	Principles of Entrepreneurship	12
2.	HRT 05104	Fundamentals of Organizational Behaviour	12
3.	HRT 05105	Basic Principles of Management	12
4.	HRT 05106	Fundamentals of Office Management	12
5.	HRT 05107	Industrial Practical Training	12
Fundamental Modules			
5.	HRT 05101	Basic ICT Applications	9
6.	HRT 05102	Principles of Accounting	9
Total Credits			78

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 05210	Fundamentals of Human Resource Management	12
2.	HRT 05213	Principles of Economics	9
Fundamental Modules			
3.	HRT 05208	Business Communication	9
4.	HRT 05209	Basic Business Statistics	9
5.	HRT 05211	Principles of Procurement and Supply	9
6.	HRT 05212	Customer Service	9
Total Credits			57

(c) Award

Upon successfully completing the programme, a candidate who wishes to exit is awarded the Technician Certificate in Human Resources Management of the National Institute of Transport.

8.3.2.5.3. Ordinary Diploma (NTA Level 6) in Human Resources Management

(a) Purpose of the Qualification

This qualification is intended for a person who performs human resource management duties including assisting in acquiring, rewarding, and maintaining human resources and preparation of departmental budgets, staff training programs, and human resource plans.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 06102	Human Resource Planning	12
2.	HRT 06103	Industrial Relations	9
3.	HRT 06104	Basics of Occupational Health and Safety	9
4.	HRT 06105	Staff Recruitment and Selection	9
5.	HRT 06106	Industrial Practical Training	15
Fundamental Modules			
6.	HRT 06101	Development Studies	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	HRT 06207	Fundamentals of Human Resource Management Information Systems	12
2.	HRT 06208	Labour Laws	12
3.	HRT 06209	Staff Training	12
4.	HRT 06210	Performance and Compensation Management	12
5.	HRT 06211	Fundamentals of Research Methodology	15
Total Credits			63

(c) Award

Upon successfully completing the programme, a candidate is awarded the Ordinary Diploma in Human Resources Management of the National Institute of Transport.

8.3.2.6. Bachelor's Degree (NTA Levels 7-8) in Marketing and Public Relations Programme

This degree programme comprises two levels: The Higher Diploma (NTA Level 7) and Bachelor's degree (NTA Level 8). A higher Diploma has four semesters (equivalent to two academic years) and a Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is an entry qualification to NTA Level 8.

8.3.2.6.1. Higher Diploma (NTAL level 7) in Marketing and Public Relations

(a) Purpose of the Qualifications

This qualification is intended for a person who will perform a broad range of complex technical marketing and public relations activities including applying marketing management and consumer behaviour skills, managing events and public relations, conducting, advertising, and promotion as well as research and consultancy.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 07104	Public Relations	9
2.	MPU 07105	Business Law	9
3.	MPU 07106	Marketing Management	9
4.	MPU 07107	Photography for Public Relations and Marketing	9
Fundamental Modules			
5	MPU 07101	Business Communication Skills	6
6	MPU 07102	Development Studies	6
7.	MPU 07103	Business Mathematics and Statistics	6
8.	MPU 07108	Fundamentals of Transport/Transport Management	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 07210	Principles of Management	9
2.	MPU 07211	Managerial Economics	9
3.	MPU 07212	Public Relations Writing	9
4.	MPU 07213	Service Marketing Management	9
5.	MPU 07214	Multimedia Design and Production	9
6.	MPU 07215	Advertising and Promotion	9
Fundamental Modules			
7.	MPU 07209	Business Information Systems Application	9
Total Credits			63

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 07317	Customer Relationship Management	9
2.	MPU 07319	Research Methodology	6
3.	MPU 07320	Events Management	9
4.	MPU 07321	Media Relations	9
5.	MPU 07323	Industrial Practical Training	12
Fundamental Modules			
6.	MPU 07316	Business Accounting and Costing	9
7.	MPU 07318	Quantitative Methods for Business	9
8.	MPU 07322	Entrepreneurship and Business Development	9
Total Credits			72

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 07424	Buyer Behaviour and Consumerism	9
2.	MPU 07426	Public Relations Campaign	9
3.	MPU 07427	Integrated Marketing Communication	9
4.	MPU 07428	Strategic Public Relations	12
5.	MPU 07429	Marketing Research	12
Fundamental Modules			
6.	MPU 07425	Organizational Behaviour	9
Total Credits			60

(c) Award

Upon successful completion of the course, a candidate who wishes to exit is awarded a Higher Diploma in Marketing and Public Relations from the National Institute of Transport.

8.3.2.6.2. Bachelor's Degree (NTA Level 8) in Marketing and Public Relations

(a) Purpose of the Qualifications

This qualification is intended for a person who will perform a wide range of strategic managerial duties including: - managing crises, handling corporate public relations issues, service marketing, and managing organization resources.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 08102	Issues and Crisis Management	9
2.	MPU 08103	Corporate Public Relations	9
3.	MPU 08105	International Marketing	9
4.	MPU 08107	Brand Management	9
5.	MPU 08108	Industrial Practical Training	12
Fundamental Modules			
6.	MPU 08101	Strategic Management	6
7.	MPU 08104	Financial Management	8
8.	MPU 08106	Principles of Human Resources Management	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPU 08209	Fundamentals of Broadcasting	9
2.	MPU 08210	Marketing for Transportation services	9
3.	MPU 08211	International Public Relations	6
4.	MPU 08212	Digital Marketing and Public Relations	9
5.	MPU 08214	Public Speaking and Protocol	6
6.	MPU 08215	Strategic Sales Management	9
7.	MPU 08216	Research Project	12
Fundamental Modules			
8.	MPU 08213	Business Ethics	9
Total Credits			66

(c) **Award**

Upon successful completion of the course, a candidate is awarded a Bachelor's Degree (NTA Level 8) in Marketing and Public Relations of the National Institute of Transport.

8.3.2.7. Ordinary Diploma (NTA Level 6) in Marketing and Public Relations

8.3.2.7.1. Basic Technician Certificate (NTA Level 4) in Marketing and Public Relations

(a) Purpose of the Qualification

This qualification is intended for a person who will perform routine Marketing duties, communicate properly, and apply basic computer knowledge in business duties.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 04102	Basics of Commerce	12
2.	MPT 04104	Elements of Public Relations	12
3.	MPT 04105	Basics of Marketing	12
Fundamental Modules			
4.	MPT 04101	Basic Communication Skills	6
5.	MPT 04103	Basics of Accounting	12
6.	MPT 04106	Basics of Entrepreneurship	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 04208	Basic Principle of Management	12
2.	MPT 04211	Fundamentals of Public Relations Writing	12
3.	MPT 04212	Basics of Digital Marketing	12
Fundamental Modules			
4.	MPT 04207	Basic of Business Mathematics	6
5.	MPT 04209	Office Practice and Records Management	9
6.	MPT 04210	Basics of Computer Applications	9
7.	MPT 04213	Basics of Transport	6
Total Credits			66

(c) Award

Upon successfully completing the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Human Resources Management.

8.3.2.7.2. Technician Certificate (NTA Level 5) in Marketing and Public Relations

(a) Purpose of the Qualification

This qualification is intended for a person who will perform routine and non-routine Marketing duties including basic marketing and sales, purchasing, accounting transactions, and use of computer applications to collect/retrieve process and disseminate information.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 05103	Principles of Marketing	9
2.	MPT 05104	Principles of Commerce	9
3.	MPT 05105	Principles of Public Relations	12
4.	MPT 05107	Customer Service	9
5.	MPT 05108	Industrial Practical Training	12
Fundamental Modules			
6.	MPT 05101	Communication Skills	6
7..	MPT 05102	Business Mathematics and Statistics	6
8.	MPT 05106	Computer Applications	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 05210	Public Relations Writing	9
2.	MPT 05211	Principles of Sales Management	9
3.	MPT 05213	Photography and Graphics Design	9
4.	MPT 05214	Digital Marketing and Public Relations	9
5.	MPT 05215	Principles of Advertising	9
Fundamental Modules			
6.	MPT 05209	Principles of Management	9
7.	MPT 05212	Principles of Economics	9
Total Credits			60

(c) Award

Upon successful completion of the programme, is candidate who wishes to exit is awarded the Technician Certificate in Marketing and Public Relations of the National Institute of Transport.

8.3.2.7.3. Ordinary Diploma (NTA Level 6) in Marketing and Public Relations

(a) Purpose of the Qualification

This qualification is intended for a person who will perform non-routine Marketing duties including assisting in managing small businesses, performing marketing activities and assist in managing events.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 06103	Marketing Management	9
2.	MPT 06104	Events Management	12
3.	MPT 06106	Public Relations Campaign	9
4.	MPT 06107	Industrial Practical Training	12
Fundamental Modules			
5.	MPT 06101	Business Law and Ethics	9
6.	MPT 06102	Principles of Office and Records Management	9
7.	MPT 06105	Information Systems and Technology	12
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MPT 06209	Integrated Marketing Communication	9
2.	MPT 06210	Customer Relationship Management	9
3.	MPT 06211	Buyer Behaviour and Consumerism	9
4.	MPT 06212	Protocol and Etiquette	9
5.	MPT 06213	Newswriting and reporting for public relations	9
6.	MPT 06214	Project Work	9
Fundamental Modules			
7.	MPT 06208	Entrepreneurship and Business Development	6
Total Credits			60

(c) Award

Upon successful completion of the programme a candidate is awarded the Ordinary Diploma in Marketing and Public Relations of the National Institute of Transport.

8.3.2.8. *Academic Staff*

Head of Department

Dr. Francis Muya PhD in Marketing – (MU), MSc. - MIT (UDSM.), BBA - Marketing- (MU).

Examination Coordinator

Mr. Zakeyo Lusohoka MA. Mass communication (SAUT), BA. Mass communication (TUDARCo).

Senior Lecturers

Dr. Francis Muya PhD in Marketing – (MU), MSc. - MIT (UDSM.), BBA – Marketing - (MU)

CPSP Dr. Deus N Shatta PhD. in Procurement – (OUT), MSc. PSCM (MU), CPSP (PSPTB), MBA. Transport and Logistics Management – (OUT), PGDE (UOA), PGDSC -(UDSM), ADTM, DAE, -(NIT), International Certificate in Humanitarian Logistics - (Kuhne - Stiftung, Switzeland)

Lecturers

Dr. Haidari P. Misafi PhD HRM – (Ghent University), MBA HRM – (MU), B.A. Public Administration – (UDSM).

Dr. Akili Njama PhD in Political Science and Public Administration (UDSM), M.A (UDSM), BA with Education (UDSM), Dipl. Ed (Korogwe Teachers College).

CPSP. Bahati K. Mabina MSc. PSCM – (MU), CPSP – (PSPTB), BBA – (UDSM), Dip in Education – (Dar es Salaam T.T.C), International Certificate in Humanitarian Logistics, Kuehne - Foundation – (Switzerland).

Dr. Maureen S. Kabugumila PhD in Business Management (OUT), Masters of Commerce- (Madras University – India) B. Com with Computer Application (Madural Kamaraj University – India).

***Ms. Beatrice George** MSc. HRM – (MU), BA Political Science Pub. Admn. – (UDSM).

****Mr. William Mboma** MBA – (TEKU), Bachelor of Adult Education and Community Development - (IAE).

***Ms. Adela F. Kimario** MBA – (UDOM), BA Ed – (UDSM).

Mr. Francis Moses MBA Marketing – (St. Augustine University), Bachelor of Public Relation and Marketing - (St. Augustine University).

Mr. Zakeyo O. Lusohoka MA Mass Communication – (SAUT), BA Mass Communication – (TUDARCo).

Ms. Doreen Ngaiza MBA Corporate Management – (MU), BBA-Marketing (TUDARCo).

Mr. Arnold Binagwa	Master in Entrepreneurship and Enterprise Development– (UDSM), Bachelor of Commerce in Human Resource Management – (UDOM).
Mr. Bundala Kate	MSc. MKT- (MU), BA- Public Relation and Marketing – (SAUT).
*Mr. Jafari Luge	Master of International Business-(UDSM), Bachelor of Education in Commerce - (UDOM), Diploma in Education (Business Studies) - Kasulu Teachers College.
<i>Assistant Lecturers</i>	
*Ms. Kissa Kilagane	MBA – (UDSM), Bsc. Ed. – (UDSM), Dip.Education – (Kleruu T.T.C).
Ms. Londaga Ipyana	Master of Tourism Planning and Management (OUT), MBA HRM – (St John University), Bachelor’s of Arts in Cultural Anthropology and Tourism – (TUDARCo).
Ms. Nyangi L. Masanja	MBA – (UDOM), Bachelor’s of Arts in Cultural Anthropology and Tourism – (University of Iringa).
*Mr. Godfrey M. Mwema	MA in Policy Science HRM- (Ritsumeikan University, Japan, BA in Political Science and Public Administration (PSPA) – (UDSM).
Ms. Emilia Mkosamali	MBA – (Tumaini University), BHRM – (Tumaini University).
*Mr. Norbert Musa	MSc in Procurement and Supply - (MU), Advanced Diploma in Procurement and Supply Chain – (TIA).
Mr. Nicholas W. Mgawe	MSc. in Project Management (JKUAT, Kenya), MBA in Procurement and Supplies Management – (IAA), Bachelor Degree in Procurement and Logistics Management – (IAA).
Mr. Ambali F. Kitalima	Master of Science in Human Resource Management (MSc. HRM)-(MU), Bachelor’s Degree in HRM - (MU).
Ms. Suzana Mulimila	Master of Strategic Human Resource Management -(ISW), Master of Project Management and Evaluation-(SUA), Bachelor Degree in Human Resource Management-(MU)
Ms Jenipher Gabriel Marandu	MSc in Information Sciences (Records and Archives) (MOI University), Master of Human Resource Management (OUT-Tanzania), BA Political Science and Public Administration (UDSM).
Ms. Violet Nyambe	MSc. HRM -(MU), B-HRM - (ISW).
Mr. Eliud S. Majami	MA-RAM (UDSM) Master of Research and Public Policy - (MU), BPA-RAM - (MU)
CPSP. Benjamin Mwakyeja	MSc. Procurement and Supply Management -(TIA), CPSP - Procurement and Supply Professional and Technician Board - (PSPTB), Bachelor’s degree in Procurement and Logistics

	Management -(TIA), Ordinary Diploma in Petroleum Geoscience (MRI- UDSM)
Ms. Adelina Karugaba	MBA (CM) - Mzumbe, MBA (Marketing)-OUT, BBA Ed. – (OUT),
Mr. George Ezekiel Mkuburo	MBA in Procurement and Supplies Management (IAA), Bachelor Degree in Procurement and Logistics Management (NIT).
Ms. Anita Simon Marunda	MBA in Marketing (SAUT), BBA in Marketing (SAUT)
Mr. Jeremiah Charles Mogella	Masters of Science in Marketing Management [MSc.MM] - (MU), Bachelor Degree in Marketing and Public Relations [BMPR] - (NIT)
Ms. Haika Yesaya Mzava	Masters of Science in Human Resource Management (MSc. HRM)(IAA- Institute of Accountancy Arusha), Bachelor Degree in Human Resource Management (BHRM) (MU-Mzumbe University)
CPSP(T). Gabriel A. Kibona	MSc. Procurement and Supply Management (TIA), CPSP(T) - Procurement and Supply Professional and Technician Board (PSPTB), Bachelor’s degree in Procurement and Logistics Management (TIA).
CPSP. Tukusuma U. Tenende	Msc. Procurement and Supply Chain Management (MU), CPSP (PSPTB), BBA Procurement and Logistics management (MU)
Christine S. Mboka	Master of Science in Human Resource Management (MSc. HRM)-(MU), Bachelor’s Degree in HRM - (MU).
Ms. Martha C. Kalenzi	Msc. Procurement and Supply Chain Management (MU), Bachelor’s degree in Procurement and Logistics Management (TIA).
Mr. Frank Fransia Katabi	M.A in Mass Communication (SAUT), B.A in Public Relations and Marketing (SAUT)

Tutorial Assistants

Mr. Seleman H. Mzungu BHRM – (NIT).

Mr. Joseph A Shao BA in Procurement and Supply Management – (MoCU)

**On Study leave*

8.3.3. Department of Economics, Accounting and Finance

The department is responsible for planning, organizing, and conducting Economics, Accounting, and Transport Finance and Business Administration programmes. Currently, the department offers Bachelor’s Degree (NTA Level 7-8) and Ordinary Diploma (NTA Level 4-6) programmes in Accounting and Transport Finance and Bachelor’s Degree (NTA Level 7-8) and Ordinary Diploma (NTA Level 4-6) programmes in Bussiness Administration.

8.3.3.1. Bachelor's Degree (NTA Levels 7-8) in Accounting and Transport Finance Programme

This degree programme comprises two levels: The Higher Diploma (NTA Level 7) and Bachelor's degree (NTA Level 8). A higher Diploma has four semesters (equivalent to two academic years) and a Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is an entry qualification to NTA Level 8.

8.3.3.1.1. Higher Diploma (NTA Level 7) in Accounting and Transport Finance

(a) Purpose of the Qualification

This qualification is intended for a person who will perform non-routine Accounting and Transport Finance duties including preparation of financial statements, departmental budget, auditing, taxation, managing small enterprises, and managing finance in Transport Organizations.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ATU 07101	Business Accounting	9
2.	ATU 07104	Transportation Accounting	12
3.	ATU 07106	Micro-Economics	9
Fundamental Modules			
4.	ATU 07102	Business Mathematics	6
5.	ATU 07103	Communication Skills	6
6.	ATU 07105	Development Studies	6
7.	ATU 07107	Fundamentals of Transport	6
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ATU 07208	Financial Management	9
2.	ATU 07209	Macro-Economics	9
3.	ATU 07211	Financial Accounting	12
Fundamental Modules			
4.	ATU 07210	Management Information Technology	6
5.	ATU 07212	Business Statistics	6
6.	ATU 07213	Management Principles and Practices	9
7.	ATU 07214	Marketing Management	6
Total Credits			57

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 07312	Marketing Management	9
2.	BAU 07311	Cost Accounting	12
3.	BAU 07313	Risks Management	12
4.	BAU 07314	Research Methodology and Consultancy	9
5.	BAU 07315	Business Law	12
Fundamental Modules			
6.	BAU 07312	Marketing Management	9
Total Credits			54

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 07416	Airline Finance	12
2.	BAU 07417	Advanced Financial Accounting	12
3.	BAU 07418	Auditing Theories and Practice	6
4.	BAU 07421	Fieldwork Practice	12
Fundamental Modules			
5.	BAU 07419	Entrepreneurship	12
6.	BAU 07420	Micro and Macro Economics	9
Total Credits			63

(c) Award

Upon successful completion of the course, a candidate who wishes to exit is awarded a Higher Diploma in Accounting and Transport Finance of the National Institute of Transport.

8.3.3.1.2. Bachelor's Degree (NTA level 8) in Accounting and Transport Finance

(a) Purpose of the Qualifications

This qualification is intended for a person who will perform non-routine Accounting and Transport Finance duties including preparation of financial statements, departmental budget, auditing, taxation, managing small enterprises, and managing finance in Transport Organizations.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 08101	Transport Cost and Finance	12
2.	BAU 08102	Introduction to Finance Reporting	9
3.	BAU 08103	Taxation	12
4.	BAU 08105	Auditing	12
Fundamental Modules			
5.	BAU 08104	Quantative Method for Decision Making	9
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 081206	Financial Reporting	9
2.	BAU 081207	Investment Analysis	12
3.	BAU 081208	International Finance	12
4.	BAU 081209	Management Accounting	12
5.	BAU 081211	Research Project	12
Fundamental Modules			
6.	BAU 081210	Electronic Business (e-business)	9
Total Credits			69

(c) Award

Upon successful completion of the course, a candidate is awarded a Bachelor's Degree (NTA Level 8) in Accounting and Transport Finance from the National Institute of Transport.

8.3.3.2.7. Ordinary Diploma (NTA Level 6) in Accounting and Transport Finance Programme

8.3.3.2.1. Basic Technician Certificate (NTA Level 4) in Accounting and Transport Finance

(a) Purpose of the Qualification

This qualification is intended for a person, who will perform routine work in the Accounting and Transport Finance field within industries, and companies and could be self-employed.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ATT 04101	Bookkeeping and Accounting I	12
2.	ATT 04102	Basic Commercial Knowledge	9
3.	ATT 04103	Foundation of Finance	12
Fundamental Modules			
4.	ATT 04104	Elements of Mathematics and Statistics	12
5.	ATT 04105	Business Communication Skills	6
6.	ATT 04106	Basics of Logistics and Transport	12
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ATT 04207	Basics of Accounting	12
2.	ATT 04210	Basics of Taxation	12
3.	ATT 04211	Basics of Transport Finance	12
4.	ATT 04212	Elements of Cost Accounting	9
Fundamental Modules			
5.	ATT 04208	Basics of Entrepreneurship	9
6.	ATT 04209	Basic Computer Applications	9
Total Credits			66

(c) Award

Upon successfully completing the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Accounting and Transport Finance of the National Institute of Transport.

8.3.3.2.2. Technician Certificates (NTA Level 5) in Accounting and Transport Finance

(a) Purpose of the Qualification

This qualification is intended for a person who will competently work at technical level positions in the accounting and transport finance sectors.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAT 05101	Introduction to Costing Accounting	9
2.	BAT 05102	Introduction to Principles of Accounting	12
Fundamental Modules			
3.	BAT 05103	Business Mathematics and Statistics	12
4.	BAT 05104	Elements of Economics	9
5.	BAT 05105	Introction to Communication Skills	12
Total Credit Hours in Semester I			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAT 05201	Principles of Accounting	12
2.	BAT 05202	Basic of Cooperate Finance and Financial Services	9
3.	BAT 05206	Industrial Training II	12
4.	BAT 05104	Principles of Taxation	12
Fundamental Modules			
5.	BAT 05203	Commerce	9
6.	BAT 05205	Introduction to Computer Applications	12
Total Credits			66

(c) Award

Upon successful completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Accounting and Transport Finance of the National Institute of Transport.

8.3.3.2.3. Ordinary Diploma (NTA Level 6) in Accounting and Transport Finance

(a) Purpose of the Qualification

This qualification is intended for a person who will perform non-routine accounting and Transport Finance duties including preparation of financial statements, departmental budget, auditing, taxation, managing small enterprises, and managing finance in Transport Organizations.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAT 06101	Principles of Economics and Taxation	12
2.	BAT 06102	Introduction to Financial Accounting	12
3.	BAT 06105	Introduction to Auditing	12
Fundamental Modules			
4.	BAT 06103	Business Mathematics and Statistics	12
5.	BAT 06104	Principles for Procurement and Logistics	12
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAT 06202	Introduction to Cooperate Finance	12
2.	BAT 06203	Introduction to Microfinance Transport Technology	12
3.	BAT 06204	Transport Technology	12
Fundamental Modules			
4.	BAT 06201	Principles and Practice of Management	12
5.	BAT 06205	Commercial Law	12
Total Credits			60

(c) Award

Upon successful completion of the programme a candidate is awarded the Ordinary Diploma in Accounting and Transport Finance of the National Institute of Transport.

8.3.3.3. Bachelor's Degree (NTA Level 8) in Business Administration

8.3.3.3.1 Higher Diploma (NTA Level 7) in Business Administration

(a) Purpose of the Qualifications

This qualification is intended for a person who will perform Business administrative duties including formulation of policies, project appraisal, preparation of strategic plans, and managing business activities.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 07101	Business Accounting	12
2.	BAU 07105	Management Principles and Practices	12
Fundamental Modules			
3.	BAU 07102	Business Mathematics	9
4.	BAU 07103	Business Communication Skills	6
5.	BAU 07104	Computer Applications	9
6.	BAU 07106	Development Studies	6
7.	BAU 07107	Fundamentals of Transport	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 07208	Principles of Human Resource Management	9
2.	BAU 07209	Business Taxation	9
3.	BAU 07210	Micro-Economics	9
4.	BAU 07211	Procurement and Supply Procedures	9
5.	BAU 07212	Marketing Management	9
6.	BAU 07213	Business Entrepreneurship	9
7.	BAU 07214	Financial Accounting	9
Total Credits			63

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	BAU 07315	Cost Accounting	12
2.	BAU 07316	Organizational Behaviour	9
3.	BAU 07317	Business Environment	9
4.	BAU 07318	Macro Economics	12
5.	BAU 07321	Industrial Practical Training	12
Fundamental Modules			
6.	BAU 07319	Business Law	6
7.	BAU 07320	Business Statistics	6
Total Credits			54

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAU 07423	Financial Management	9
2	BAU 07425	International Business Management	9
3	BAU 07426	Risk Management	9
4	BAU 07428	Corporate Governance	9
Fundamental Modules			
5	BAU 07422	Research Methodology	9
6	BAU 07424	Management Information Systems	9
7	BAU 07427	Quantitative Methods	9
Total Credits			63

(c) Award

Upon successful completion of the course, a candidate who wishes to exit is awarded a Higher Diploma in Business Administration from the National Institute of Transport.

*8.3.3.3.2. Bachelor's Degree (NTA Level 8) in Business Administration***(a) Purpose of the Qualifications**

This qualification is intended for a person who will perform Business administrative duties including formulation of policies, project appraisal, preparation of strategic plans, and managing business activities.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAU 08101	Business Planning and Development	9
2	BAU 08102	Service Marketing	9
3	BAU 08105	Strategic Management	9
4	BAU 08106	Advanced Taxation	9
5	BAU 08107	Small Business Management	9
6	BAU 08208	Industrial Practical Training	12
Fundamental Modules			
7	BAU 08103	Marketing Research	9
8	BAU 08104	Business Ethics	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAU 08209	Production and Operations Management	9
2	BAU 08210	Corporate Finance	9
3	BAU 08211	Management Accounting	9
4	BAU 08212	Management Control System	9
5	BAU 08214	Project Management	9
6	BAU 08215	E-Business	12
Fundamental Modules			
7	BAU 08213	Principles of Insurance	6
8	BAU 08216	Research Project	12
Total Credits			60

(c) Award

Upon successful completion of the course, is candidate is awarded a Bachelor's Degree (NTA Level 8) in Business Administration of the National Institute of Transport.

*8.3.3.4. Ordinary Diploma (NTA Level 6) in Business Administration Programme**8.3.3.4.1. Basic Technician Certificate (NTA Level 4) in Business Administration***(d) Purpose of the Qualification**

This qualification is intended for persons who perform routine business administration duties, communicate properly, apply basic accounting, computer, and mathematical knowledge in performing duties, preparing simple reports, recording stores/sales receipts, maintaining records and documents, and managing his/her own small business.

(e) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 04101	Book Keeping	12
2	BAT 04102	Basic Commerce	12
3	BAT 04103	Elements of Business Administration	12
Fundamental Modules			
4	BAT 04104	Basic Communication Skills	9
5	BAT 04105	Basic Computer Applications	9
6	BAT 04106	Basic Logistics and Transport	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 04207	Office Practice and Records Management	9
2	BAT 04208	Basic Marketing	12
3	BAT 04209	Basic of Entrepreneurship	9
4	BAT 04210	Basic Accounting	12
5	BAT 04211	Elements of Business Law	12
Fundamental Modules			
6	BAT 04212	Basic Business Mathematics	6
Total Credits			60

(f) Award

Upon successfully completing of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Business Administration of the National Institute of Transport.

8.3.3.4.2 Technician Certificate (NTA Level 5) in Business Administration

(d) Purpose of the Qualification

This qualification is intended for persons who perform routine and non-routine business duties including assisting in procurement, selling and storage functions, preparing reports, processing in recording business-related information handling customers.

(e) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 05102	Principles of Accounting	12
2	BAT 05103	Principles of Commerce	12
3	BAT 05104	Principles of Marketing	9
4	BAT 05105	Principles of Business Administration	9
5	BAT 05106	Entrepreneurship and Small Business Development	9
6	BAT 05107	Industrial Practical Training	12
Fundamental Modules			
7	BAT 05101	Computer Applications	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 05210	Elements of Financial Management	9
2	BAT 05211	Principles of Management	12
3	BAT 05213	Principles of Economics	12
Fundamental Modules			
4	BAT 05208	Communication Skills	9
5	BAT 05209	Business Mathematics and Statistics	9
6	BAT 05212	Principles of Procurement and Supply	9
Total Credits			60

(f) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Business Administration of the National Institute of Transport.

8.3.3.4.3. Ordinary Diploma (NTA Level 6) in Business Administration**(d) Purpose of the Qualification**

This qualification is intended for a person who performs non-routine business administration duties including collecting and process data for/ on business operations, assisting in planning and preparing budgets at sectional or department level, supervising business operations, and preparing periodic reports.

(e) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 06103	Principles of Financial Accounting	12
2	BAT 06104	Human Resource Management	9
3	BAT 06105	Business Law and Ethics	12
4	BAT 06106	Store Administration and Inventory Control	9
5	BAT 06107	Field Practical Training	12
Fundamental Modules			
6	BAT 06101	Development Studies	9
7	BAT 06102	Logistics and Transport Operations	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1	BAT 06208	Basic Management Accounting	12
2	BAT 06209	Business Environment	12
3	BAT 06210	e-Business	12
4	BAT 06211	Production Management	12
5	BAT 06212	Elements of Business Research	12
Total Credits			60

(f) Award

Upon successfully completion of the programme a candidate is awarded the Ordinary Diploma in Business Administration of the National Institute of Transport.

8.3.3.5. Academic Staff

Acting Head of Department

Mr. Mamboleo Seif MBA Finance – (Cardiff Metropolitan University, London), Postgraduate in Finance – (Bangalore Management Academy), Bachelor of Business Management – (Bangalore Management.

Examination Coordinator

CPA Abdallah Sadiki MSc. in Accounting and Finance –(MU), Bachelor of Commerce in Accounting –(UDOM), CPA(T).

Lecturers

CPA Dr. Chacha R. Magubo PhD in Business Administration (Accounting)- (UDSM), Master of International Trade – (UDSM), CPA (T) – (NBAA). B. Com Accounting – (UDSM), International Certificate in Humanitarian Logistics, (Kuenhne - Stiftung Foundation).

***Mr. Daudi Kitomo** MBA Finance – (Daystar University – Kenya), Bachelor of Commerce in Accounting – (Daystar University- Kenya).

Mr. Cornelio Swai MSc Accounting – (SJUT), BAF - (SJUT).

Mr. Romanus R. Mapunda Masters of International Business – (UDSM), BBA – (UDOM), Cert. in East Africa Customs Clearing and Freight Forwarding Practising – (Institute of Tax Administration).

Dr. Faustine J. Masunga PhD in Business Administration (Taxation) – (MU), MBA CM – (MU), ADA – (TIA), IATA - (Beljing China), Cert. in Customer Care and Leadership (Kampala – Uganda).

Assistant Lectures

*Mr. Lonjino Edward	MSc. Economics – (OUT), BA Ed. - Economics & Geography – (UDSM), Dip in Education – (Monduli T.T.C).
CPA Abdallah Sadiki	MSc. in Accounting and Finance –(MU), Bachelor of Commerce in Accounting –(UDOM), CPA(T).
*Mr. Yoeni S. Kaniki	MA – Economics – (UDSM), B.A. Education – (UDSM)
*Mr. Jordson Mwesigwa	MSc in A & F – (MU), BBA – (OUT), Dip in Education - (Dar es Salaam – TTC).
*Ms. Melline E. Kyando	MSc in Finance and Investment – (IAA), Bachelor’s Degree in Banking and Finance (IAA).
Ms. Janeth Mganilwa	MSc. in Transport Economics – (University of Leeds, UK), BA Economics and Finance – (IAA).
Mr. Mamboleo Seif	MBA Finance – (Cardiff Metropolitan University, London), Postgraduate in Finance – (Bangalore Management Academy), Bachelor of Business Management – (Bangalore Management Academy).
Ms. Jenista Moses Ndomba	MBA in Accounting and Finance(RUCU), Bachelor Degree in Accounting and Finance with IT (RUCU)
Mr Denis Lawrence Massawe	Master in Accounting and Finance (IAA), Bachelor Degree in Accountancy (IAA)
CPA (T). Mr Shakiru Abdul Mtanda	Masters of science in Accounting and Finance (TIA), Bachelor in Accountancy (TIA).

Senior Tutor

Ms. Mwanaisha A. Mhalule MSc. A & F- (MU), BAF- (MU).

Tutorial Assistants

CPA (T). Mr. Issaya Harhombo	BA Economics – (UDOM).
Mr. Denis S Michael	BATF – (NIT).
Ms. Marietha Hyera	BATF – (NIT).
Emilian J. Lutonja	BSc in Economics Policy and Planning – (MU)

**On Study leave*

8.4. FACULTY OF TRANSPORT ENGINEERING AND TECHNOLOGY

The faculty is responsible for planning, organizing, and conducting engineering-related programmes. The faculty has endeavoured to develop its performance and ensure excellence in training, scientific research, and consultancy services in the engineering field. It creates an intellectual forum for various disciplines of Civil and Transportation Engineering, Automobile and Mechanical Engineering, Electrical Engineering, Electrical and Railway Electrification Engineering, Electronics and Telecommunication Engineering and Telecommunication and Railway Signalling Engineering. Further, it is engaged in developing resourceful low-level operational

transport manpower (drivers, transport officers, safety practitioners etc.) with extensive knowledge and hands-on skills applicable in every transportation field. To this level, both special and general subjects are integrated into the short courses training and seminar programs. This helps trainees learn the basics as well as the applied techniques in safe and effective transport operations, in compliance with various Legal requirements. Currently, the Faculty is conducting one master's program in Mechanical Engineering with Transportation Machinery, Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6), and Certificate (NTA Level 4-5) Programmes in various Engineering Discipline. The faculty consists of four departments namely Automotive and Mechanical Engineering, Civil and Transportation Engineering, Electrical, Electronics and Telecommunication Engineering, and Transport Safety and Environmental Engineering.

8.4.1. *Department of Automotive and Mechanical Engineering*

The Department is responsible for planning, organizing, and conducting engineering-related programmes. The Department has endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the engineering field. It creates an intellectual forum for various disciplines of Mechanical and Automobile Engineering. Currently, the Department is conducting the Master of Mechanical Engineering with Transportation Machinery, Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6) and Certificate (NTA Level 4-5) Programmes.

8.4.1.1. *Master of Mechanical Engineering with Transportation Machinery*

The program has been designed to train experts in Mechanical Engineering with Transportation Machinery to cater for both current and prospective labour market in the Mechanical Engineering and Transportation sub-sectors. It intends to expose the learners to specific skills demanded by the existing and future jobs markets.

(a) Specific objectives of the programme are:

- (i) To provide students with in-depth understanding of advanced engineering principles and techniques of innovative design of complex machines and mechanical devices.
- (ii) To develop student ability in employing advanced ICT principles, procedures and techniques for manufacturing of various machines and mechanical devices.
- (iii) To provide student with advanced computational engineering principles and techniques in solving engineering problems
- (iv) To develop student ability in applying systems engineering principles and techniques for optimizing gains of engineering and manufacturing industries
- (v) To provide student with advanced engineering principles and skills in design, construction, operation and maintenance of transport machinery and power plants.

(b) Summary of Modules

Modules are distributed into semesters 1, 2 and 3 as indicated below:

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEG 09101	Material Selection and Failure Analysis	9
2.	MEG 09102	Advanced Research Methodology for Engineers	12
3.	MEG 09103	Engineering Dynamics and Computational Methods	9
4.	MEG 09104	Maintenance Management	12
5.	MEG 09105	Transportation Machinery	12
Elective			
6.	MEG 09106	Advanced Welding Technology	9
7.	MEG 09107	Electric and Hybrid Vehicle Technologies	9
8.	MEG 09108	Solar Powered Vehicle Technologies	9
9.	MEG 09109	Natural Gas - Powered Vehicle Technologies	
Total Credits			90

Note: A student must elect two elective modules from semester I that make 72 credits; 54 credits from core modules and 18 credits from elective module.

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEG 09210	Advanced Computer Integrated Manufacturing	12
2.	MEG 09211	Advanced Fluid Power and Applications	12
3.	MEG 09212	Computer Aided Product Design and Development	9
4.	MEG 09213	Project Management and Enterprising	9
5.	MEG 09214	Health, Safety and Environmental Management	6
Elective			
6.	MEG 09216	Advanced Automobile Design and Development	9
7.	MEG 09217	Railway Vehicle Design and Construction	9
8.	MEG 09218	Ship and Boat Design and Construction	9
9.	MEG 09219	Aircraft Design and Construction	9
10.	MEG 09220	Oil and Gas Pipeline Transport Technologies	9
Total Credits			96

Note: A student must elect one elective module from semester II that make 60 credits; 51 credits from core modules and 9 credits from elective modules.

SEMESTER III & IV

S/No.	Module Code	Module Name	Credits
Core Modules			
12.	MEG 09421	Dissertation	50

8.4.1.2. *General Course in Automobile Engineering*

(a) **Purpose of Qualification**

This qualification is intended for persons who will be able to use knowledge and skills in applying Automobile Engineering Principles and concepts to carry out Remedies and Supervision in the Automobile Engineering Industry for both Domestic and Commercial applications.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
1.	AET G5207	Workshop Technology	6
2.	AET G4106	Geometrical Drawing	9
3.	AET G5108	Machine Elements	6
4.	AET G5109	Strength of Materials	6
5.	AET G5103	Automotive Electrical and Electronic Systems	6
6.	AET G5105	Automotive Suspension and Steering Systems	6
7.	AET G5106	Automotive Brake Maintenance and Repair	6
8.	AET G4107	Basic Automobile Layout	9
Fundamental Modules			
9.	AET G4103	Basic Computer Application	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET G4205	Engineering Drawing	12
2.	AET G5107	Materials Technology	6
3.	AET G5110	Thermodynamics	6
4.	AET G6107	Fluid Power Systems	6
5.	AET G5204	Automotive Transmission and Drive Train	6
6.	AET G5209	Automobile Heating and Air Conditioning	6
7.	AET G6105	Internal combustion Engine	6
8.	AET G6206	Automobile Body Works	6
Fundamental Modules			
9.	AET 06206G	Automobile Body Works	9
Total Credits			63

8.4.1.3. *Bachelor's Degree (NTA Level 7-8) in Automobile Engineering Programme*

8.4.1.3.1. *Higher Diploma (NTA Level 7) in Automobile Engineering*

(a) **Purpose of the Qualification**

This qualification is intended for persons, who will conduct a variety of Automobile engineering activities including the design of Automobile

machinery, machines, tools, Automobile equipment, and components as well as organizing and directing the maintenance of the same in collaboration with other specialists in compliance with the technological changes.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 07104	Advanced Engineering Thermodynamics	9
2.	AEU 07105	Mechanics of Machines	9
3.	AEU 07106	Automobile Development	9
4.	AEU 07107	Production Technology	9
Fundamental Modules			
5.	AEU 07101	Communication Skills	9
6.	AEU 07102	Fundamentals of Computer Programming	9
7.	AEU 07103	Linear Algebra	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 07203	Computer-Aided Drafting Application	9
2.	AEU 07204	Internal Combustion Engines	9
3.	AEU 07205	Automobile Fuels and Lubricants	9
4.	AEU 07206	Advanced Steering and Suspension Systems	9
5.	AEU 07207	Fluids Mechanics	9
6.	AEU 07206	Strength of Materials	9
Fundamental Modules			
7.	AEU 07201	Integral Calculus	9
8.	AEU 07202	Development Studies	9
Total Credits			72

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 07310	Vehicle Aerodynamics and Body Construction	9
2.	AEU 07311	Hydraulic and Pneumatics Systems Design	9
3.	AEU 07305	Advanced Brake Systems	9
4.	AEU 07306	Vehicle Dynamics and Control	9
5.	AEU 07307	Automobile-Electrical and Electronic Systems	9
6.	AEU 07312	Industrial Practical Training	12
Fundamental Modules			
7.	AEU 07308	Differential Calculus	9
8.	AEU 07309	Procurement and Supply Procedures	9
Total Credits			75

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 0741	Measurement and Control Engineering	9
2.	AEU 07414	Automobile Maintenance Management	9
3.	AEU 07415	Vehicle Safety and Comfort Technology	9
4.	AEU 07416	Computer-Aided Design	9
5.	AEU 07417	Engineering Design Methodology	9
Elective Modules			
6.	AEU 07418	Agricultural Tractors and Machinery Technology	9
7.	AEU 07419	Trucks, Tractors and Heavy – Duty Equipment Technology	9
Fundamental Modules			
8.	AEU 07411	Probability and Statistics	9
9.	AEU 07412	Research Methodology	9
Total Credits			81

(c) Awards

Upon successful completion of the course, a candidate who wishes to exit is awarded the Higher Diploma in Automobile Engineering of the National Institute of Transport.

8.4.1.3.2. Bachelor's Degree (NTA-Level 8) in Automobile Engineering

(a) Purposes of the Qualification

This qualification is intended for persons, who will be able to utilize the knowledge and transform it into practices of skills, be able to work independently in various systems of Automobile engineering, observe the principles in a variety of Automobile engineering activities of design, manufacturing and management, including operational processes such as design, develop, build, and test Automobile devices like tools, engines, and machines of all types.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 08102	Engine Management	9
2.	AEU 08103	Engineering Management	9
3.	AEU 08104	Environment and Safety Engineering	6
4.	AEU 08106	Project Conceptualization	9
5.	AEU 08107	Industrial Practical Training	12
6.	AEU 08108	Automobile Design and Development	9
Fundamental Modules			
7.	GSU 08106T	Law for Engineers	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AEU 08204	Computer Aided Manufacturing	12
2.	AEU 08205	Road Transport Studies	12
3.	AEU 08210	Engine Diagnostic and Testing Methods	15
4.	AEU 08211	Project Realization	12
Elective Modules			
5.	AEU 08207	Risk Management	9
6.	AEU 08208	Project Management	9
7.	AEU 08209	Road Traffic Accident Investigations	12
Fundamental Modules			
8.	GSU 08214T	Entrepreneurship for Engineers	6
Total Credits			87

(c) Award

On successfully completion of the programme, candidate is awarded the Bachelor's Degree in Automobile Engineering of the National Institute of Transport.

8.4.1.4. Ordinary Diploma in Automobile Engineering Programme**8.4.1.4.1. Basic Technician Certificate (NTA Level 4) in Automobile Engineering****(a) Purpose of the Qualification**

This qualification is intended for individuals who will diagnose faults/troubles in all types of motor vehicles and carry out simple routine repairs and maintenance services efficiently and effectively

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04104	Basic Machine Elements	6
2.	AET 04105	Basic Engineering Science	6
3.	AET 04106	Geometrical Drawing	9
4.	AET 04107	Basic Automobile Layout	9
6.	AET 04108	Basic Electrical and Electronics Systems	6
Fundamental Modules			
7.	AET 04101	Basics Mathematics	9
8.	AET 04102	Basic Business Communication	9
9.	AET 04103	Basic Computer Applications	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04203	Basic Engine Maintenance	9
2.	AET 04204	Basic Automobile Electrical and Electronics Systems	9
3.	AET 04205	Engineering Drawing	12
4.	AET 04206	Basic Workshop Technology	12
Fundamental Modules			
5.	AET 04201	Basic Engineering Mathematics	9
6.	AET 04202	Elements of Entrepreneurship	9
Total Credits			60

(c) Awards

Candidate who successfully completed the programme and wishes to exit is awarded the Basic Technician Certificate in Automobile Engineering of the National Institute of Transport.

8.4.1.4.2. Technician Certificate in Automobile Engineering

(a) Purpose of the Qualification

This qualification is intended for individuals who will diagnose simple problems in all types of motor vehicles and carry out corresponding repairs and maintenance efficiently and effectively; be able to communicate effectively through simple reports for routine and non-routine information; and make simple machine components.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05103	Automotive Electrical & Electronic Systems	6
2.	AET 05104	Industrial Training	12
3.	AET 05105	Automotive Suspension and Steering Systems	6
4.	AET 05106	Automotive Brake Maintenance and Repair	6
5.	AET 05107	Materials Technology	6
6.	AET 05108	Machine Elements	6
7.	AET 05109	Strength of Materials	6
8.	AET 05110	Thermodynamics	6
Fundamental Modules			
9.	AET 05101	Basic Computing Mathematics	9
10.	AET 05102	Principal of Entrepreneurship	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05203	Computer Aided Drafting	9
2.	AET 05204	Automotive Transmission and Drive Train	6
3.	AET 05205	Automotive Air Fuel Systems	6
4.	AET 05206	Fundamentals of Automotive Maintenance and Repair	6
5.	AET 05207	Workshop Technology	6
6.	AET 05208	Locomotive Maintenance and Repair	9
7.	AET 05209	Automobile Heating and Air Conditioning	6
Fundamental Modules			
8.	AET 05201	Trigonometry and Statistics	9
9.	AET 05208	Principals of Procurement and Supply	6
Total Credits			63

(c) Award

Upon successful completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Automobile Engineering of the National Institute of Transport.

*8.4.1.4.3. Ordinary Diploma in Automobile Engineering***(a) Purpose of the Qualification**

This qualification is intended for persons who will diagnose problems in all types of motor vehicles for challenging repairs and overhauls and non-routine maintenances; be able to plan maintenance, organize and manage workshop activities.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 06103	Basics of Workshop Management	6
2.	AET 06104	Electronic Ignition and Fuel Injection	6
3.	AET 06105	Internal Combustion Engine	6
4.	AET 06106	Advanced Locomotive Maintenance and Repair	6
5.	AET 06107	Fluid Power Systems	6
6.	AET 06108	Project Proposal	9
7.	AET 06109	Industrial Practical Training	12
Fundamental Modules			
8.	AET 06101	Computing Mathematics and Statistics	9
9.	AET 06102	Basic Programming with C/C ++	6

Optional Modules			
10.	AET 06110	Road safety and Accidents Investigation	6
11.	AET 06111	Vehicle Inspection and Appraisal	6
12.	AET 06112	Railway Carriage Maintenance and Repair	9
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 06204	Environment Engineering Management	6
2.	AET 06205	Workshop Management	6
3.	AET 06206	Automobile Body Works	9
4.	AET 06207	Railway Safety and Accidents Investigation	6
5.	AET 06208	Project Implementation	12
Fundamental Modules			
6.	AET 06201	Development Studies	6
7.	AET 06202	Basic Programming with MATLAB	6
8.	AET 06203	Advanced Computing Mathematics	9
Optional Modules			
9.	AET 06209	Vehicle Inspection and Driver Examinations	6
10.	AET 06210	Cargo Handling Systems and Equipment	6
11.	AET 06211	Heavy-Duty Equipment	6
Total Credits			60

(c) Awards

Upon successful completion of the programme, a candidate is awarded the Ordinary Diploma in Automobile Engineering of the National Institute of Transport.

8.4.1.5. *General Course in Mechanical Engineering*

(a) Purpose of Qualification

This qualification is intended for persons who will be able to use knowledge and skills in applying Mechanical Engineering Principles and concepts to carry out Remedies and Supervision on the Mechanical Engineering Industry for both Domestic and Commercial applications.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET G5206	Workshop Technology	6
2.	MET G4104	Geometrical Drawing	12
3.	MET G5104	Machine Elements	6
4.	MET G5107	Strength of Materials	6
5.	MET G4204	Basic Electric and Electronic System	9
6.	MET G4105	Engineering Materials	6
7.	MET G5103	Principles of DC Machines	6
8.	MET G5105	Engineering Measurement and Instrumentations	6
Fundamental Modules			
9.	MET 05105G	Basic Computer Applications	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04203G	Engineering Drawing	9
2.	MET 06105G	Materials Technology	6
3.	MET 05108G	Thermodynamics	6
4.	MET 05108G	Fluid Power Systems	6
5.	MET 05204G	Principles of AC Machine	9
6.	MET 06207G	Environmental Engineering Management	6
7.	MET 06103G	Production Engineering	6
8.	MET 06205G	Foundry Technology	6
Total Credits			54

8.4.1.6. Bachelor's Degree (NTA Level 7-8) in Mechanical Engineering Programme**8.4.1.6.1. Higher Diploma in Mechanical Engineering****(a) Purpose of the Qualification**

This qualification is intended for persons, who will conduct a variety of mechanical engineering activities including the design of machinery, machines, tools, mechanical equipment and components as well as organizing and directing the maintenance of the same in collaboration with other specialists in compliance with the technological changes.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 07112	Advanced Engineering Thermodynamics	9
2.	MEU 07113	Mechanics of Machines	9
3.	MEU 07114	Metal Cutting Processes	15
Fundamental Modules			
4.	MEU 07109	Communication Skills	9
5.	MEU 07110	Linear Algebra	9
6.	MEU 07111	Fundamentals of Computer Programming	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 07219	Computer Aided Drafting Applications	9
2.	MEU 07220	Production Engineering	9
3.	MEU 07221	Fluid Mechanics	9
4.	MEU 07222	Strength of Materials	9
5.	MEU 07223	Analogue and Digital Electronics	9
6.	MEU 07224	Internal Combustion Engine	9
Fundamental Modules			
7.	MEU 07217	Integral Calculus	9
8.	MEU 07218	Development Studies	9
Total Credits			72

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 07303	Machine Design	9
2.	MEU 07304	Hydraulic and Pneumatic Systems Design	9
3.	MEU 07305	Foundry Technology	9
4.	MEU 07307	Refrigeration and Air Conditioning	9
5.	MEU 07308	Industrial Practical Training	12
6.	MEU 07309	Forming Processes	9
Fundamental Modules			
7.	MEU 07301	Differential Calculus	9
8.	MEU 07302	Procurement and Supply Procedures	9
Total Credits			75

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 07403	Computer Aided Design	9
2.	MEU 07408	Measurement and Control Engineering	9
3.	MEU 07409	Materials Handling Design	9
4.	MEU 07410	Engineering Design Methodology	9
5.	MEU 07411	Power Plant	9
Elective Modules			
6.	MEU 07412	Industrial Design Engineering Technology	9
7.	AEU 07418	Agricultural Tractors and Machinery	9
8.	AEU 07419	Trucks, Tractors, and Heavy-Duty Equipment Technology	9
Fundamental Modules			
9.	MEU 07406	Probability and Statistics	9
10.	MEU 07407	Research Methodology	9
Total Credits			90

(c) Awards

Upon successfully completing the course, a candidate who wishes to exit is awarded the Higher Diploma in Mechanical Engineering of the National Institute of Transport.

8.4.1.6.2. Bachelor's Degree in Mechanical Engineering

(a) Purposes of the Qualification

This qualification is intended for persons, who will be able to utilize the knowledge and transform it into practices of skills, be able to work independently in various systems of mechanical engineering, observing the principles in a variety of engineering activities of design, manufacturing, and management including operational processes such as design, develop, build, and test mechanical devices, like tools, engines, and machines of all types.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 08101	Systems and Control Engineering	9
2.	MEU 08103	Engineering Operations Management	9
3.	MEU 08107	Industrial Automation	9
4.	MEU 08108	Industrial Practical Training	12
5.	MEU 08109	Machine System Reliability and Maintenance	9
6.	MEU 08110	Project Conceptualization	9
7.	MEU 08111	Environmental and Safety Engineering	6
Fundamental Modules			
8.	GSU 08106T	Laws for Engineers	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MEU 08209	Renewable Energy Technologies	6
2.	MEU 08210	Computer Aided Manufacturing (CAM)	9
3.	MEU 08212	Quality Control and Assurance	6
4.	MEU 08213	Automation and Robotics	9
5.	MEU 08214	Project	12
6.	MEU 08215	Industrial Energy Management	6
Elective Modules			
7.	MEU 08216	Project Management	9
8.	MEU 08217	Risk Management	9
9.	AEU 08209E	Road Traffic Accident Investigation	12
Fundamental Modules			
10.	GSU 08214T	Entrepreneurship for Engineers	9
Total Credits			87

(c) **Award**

Upon successfully completing the programme, a candidate is awarded a Bachelor's Degree in Mechanical Engineering of the National Institute of Transport.

8.4.1.7. Ordinary Diploma in Mechanical Engineering Programme

8.4.1.7.1. Basic Technician Certificate (NTA Level 4) in Mechanical Engineering

(a) Purpose of Qualification

This qualification is intended for individuals who will diagnose faults/troubles in all types of motor vehicles and carry out simple routine repairs and maintenance services efficiently and effectively.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04104	Geometrical Drawing	12
2.	MET 04105	Engineering Materials	6
3.	MET 04106	Basics of Machine Elements	6
4.	MET 04107	Basic Engineering Science	9
Fundamental Modules			
7.	MET 04101	Basic Business Communication	9
8.	MET 04102	Basic Mathematics	9
9.	MET 04103	Basic Computer Applications	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04203	Engineering Drawing	9
2.	MET 04204	Basic Electrical and Electronics Systems	9
3.	MET 04205	Basic Production Engineering	12
4.	MET 04206	Basic Workshop Technology	12
Fundamental Modules			
5.	MET 04201	Basic Engineering Mathematics	9
6.	MET 04202	Elements of Entrepreneurship	9
Total Credits			60

(c) Award

Upon successfully completing the programme a candidate who wishes to exit is awarded the Basic Technician Certificate in Mechanical Engineering of the NIT.

8.4.1.7.2. Technician Certificate in Mechanical Engineering

(a) Purpose of the Qualification

This qualification is intended for individuals who will diagnose simple problems in all types of motor vehicles and carry out corresponding repairs and maintenance efficiently and effectively; be able to communicate effectively through simple reports for routine and non-routine information and will be able to make simple machine components.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05103	Principles of D.C. Machines	6
2.	MET 05104	Machine Elements	6
3.	MET 05105	Engineering Measurements & Instrumentation	6
4.	MET 05106	Materials Technology	6
5.	MET 05107	Strength of Materials	6
6.	MET 05108	Thermodynamics	6
7.	MET 05109	Industrial Practical Training	12
Fundamental Modules			
8.	MET 05101	Basic Computing Mathematics	9
9.	MET 05102	Principles of Entrepreneurship	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05203	Railway Wagon Maintenance and Repair	9
2.	MET 05204	Principles of A. C. Machines	9
3.	MET 05205	Engineering Science	6
4.	MET 05206	Workshop Technology	6
5.	MET 05207	Maintenance Management	6
6.	MET 05208	Computer Aided Drafting	9
Optional Modules			
7.	MET 05209	Locomotive Maintenance and Repair	9
Fundamental Modules			
8.	MET 05201	Trigonometry and Statistics	9
9.	MET 05202	Principles of Procurement and supply	6
Total Credits			69

(c) Award

Upon successfully completing the programme a candidate who wishes to exit is awarded the Technician Certificate in Mechanical Engineering of the NIT.

8.4.1.7.3. Ordinary Diploma in Mechanical Engineering

(a) Purpose of the Qualification

This qualification is intended for persons who will diagnose problems in all types of motor vehicles for challenging repairs and overhauls and non-routine maintenance; be able to plan maintenance, and organize and manage workshop activities.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06103	Production Engineering	6
2.	MET 06104	Basics of Refrigeration Systems	6
3.	MET 06105	Farm Power and Machinery	6
4.	MET 06106	Fluid Power Systems	6
5.	MET 06107	Basics of Automation	3
6.	MET 06108	Railway Carriage Maintenance and Repair	9
7.	MET 06109	Project Proposal	9
8.	MET 06110	Industrial Practical Training	12
Fundamental Modules			
9.	MET 06101	Basic Programming with C/C++	6
10.	MET 06102	Computing Mathematics and Statistics	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06204	Industrial Control Systems	6
2.	MET 06205	Foundry Technology	6
3.	MET 06206	Air Conditioning	6
4.	MET 06207	Environmental Engineering Management	6
5.	MET 06208	Basic Operation Management	6
6.	MET 06209	Project Implementation	12
Fundamental Modules			
7.	MET 06201	Development Studies	6
8.	MET 06202	Basic Programming with MATLAB	6
9.	MET 06203	Advanced Computing Mathematics	9
Total Credits			63

(c) Award

Upon successfully completion of the programme a candidate is awarded the Ordinary Diploma in Mechanical Engineering of the National Institute of Transport.

8.4.1.8. Ordinary Diploma in Mechanical Engineering and Railway Vehicle Technology Programme

8.4.1.8.1. Basic Technician Certificate (NTA Level 4) in Mechanical Engineering and Railway Vehicle Technology

(a) Purpose of Qualifications

This qualification is intended for persons who will perform simple and routine mechanical Engineering activities in engineering services and production organizations. Such activities include; simple and routine repair and maintenance services of machine components, and production of simple machinery components, and the maintenance of rolling stock, particularly railway vehicles.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04114	Engineering Science	6
2.	AET 04116	Basics of Railway Systems	6
3.	AET 04106	Geometrical Drawing	9
4.	MET 04105	Engineering Materials	6
5.	MET 04106	Basics of Machine Elements	6
6.	MET 04109	Workshop Technology	12
Fundamental Modules			
7.	AET 04111	Basic Mathematics	6
8.	AET 04112	Basic Communication Skills	6
9.	AET 04113	Basic Computer Applications	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04205	Engineering Drawing	12
2.	MET 04204	Basic Electrical and Electronics Systems	6
3.	MET 04205	Basic Production Engineering	9
4.	MET 04207	Basic of Railway Rolling Stock	12
5.	MET 04208	Welding and Fabrication Practices	6
6.	MET 04209	Rolling Stock Electrical and Electronic Systems	6
Fundamental Modules			
7.	AET 04210	Basic Engineering Mathematics	6
8.	AET 04211	Elements of Entrepreneurship	6
Total Credits			63

(c) **Award**

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Mechanical Engineering and Railway Vehicle Technology of the National Institute of Transport.

8.4.1.8.2. *Technician Certificate (NTA Level 5) in Mechanical Engineering with Railway Vehicle Technology programme*

(a) **Purpose of Qualification**

This qualification is intended for persons who will have the ability to work under minimum supervision to perform some non-routine engineering and technical works in a railway sector (railway vehicle technology), industries, companies, and organizations. They can also self-employ and perform the same duties under their own jurisdiction.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05111	Locomotive Systems and Components	6
2.	MET 05104	Machine Elements	6
3.	MET 05105	Engineering Measurements & Instrumentation	6
4.	MET 05106	Materials Technology	6
5.	MET 05108	Thermodynamics	6
6.	MET 05109	Industrial Practical Training	12
7.	MET 05110	Principles of D.C and A.C Machines	12
8.	MET 05111	Railway Carriage Engineering	6
Fundamental Modules			
9.	AET 05112	Basic Computing Mathematics	6
10.	AET 05113	Principles of Entrepreneurship	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05212	Fluids Mechanics	6
2.	MET 05207	Maintenance Management	6
3.	MET 05208	Computer Aided Drafting	9
4.	MET 05210	Railway Carriage & Wagon Systems and Components	9
5.	MET 05211	Components	6
6.	MET 05212	Strength of Materials	6
Fundamental Modules			
7.	AET 05210	Trigonometry and Statistics	6
8.	AET 05211	Principles of Procurement and Supply	6
Total Credits			54

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Mechanical Engineering and Railway Vehicle Technology of the National Institute of Transport.

8.4.1.8. Ordinary Diploma (NTA Level 6) in Mechanical Engineering with Railway Vehicle Technology

(a) Purpose of the Qualification

This qualification is intended for persons who will work independently in maintenance and repair, production, and service rolling stock. This includes installing, laying, and using machines for manufacturing engineering components, estimating resources required, and assisting in research activities under some supervision.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06103	Production Engineering	6
2.	MET 06104	Basics of Refrigeration Systems	6
3.	MET 06105	Farm Power and Machinery	9
4.	MET 06106	Fluids Power Systems	6
5.	MET 06107	Basics of Automation	3
6.	MET 06109	Project Proposal	6
7.	MET 06110	Industrial Practical Training	12
8.	MET 06112	Locomotive Maintenance and Repair	6
Fundamental Modules			
9.	AET 06113	Computing Mathematics and Statistics	6
10.	AET 06114	Basic Programming with C++	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06204	Industrial Control Systems	6
2.	MET 06205	Foundry Technology	6
3.	MET 06207	Environment Engineering Management	6
4.	MET 06208	Basic Operation Management	6
5.	MET 06209	Project Implementation	12
6.	MET 06210	Railway Safety and Accident Investigation	6
7.	MET 06211	Railway Carriage & Wagon Maintenance and Repair	6
8.	MET 06212	Urban Railway Vehicle Technology	6
Fundamental Modules			
9.	AET 06213	Development Studies	6
10.	AET 06214	Advanced Computing Mathematics	6
Total Credits			66

(c) Award

Upon successful completion of the programme, a candidate is awarded the Ordinary Diploma in Mechanical Engineering and Railway Vehicle Technology of the National Institute of Transport.

8.4.1.9. *Ordinary Diploma in Automobile Engineering and Locomotive Technology Programme*

8.4.1.9.1. *Basic Technician Certificate (NTA Level 4) in Automobile Engineering and Locomotive Technology*

(a) Purpose of Qualifications

This qualification is intended for persons who will perform simple and routine automobile Engineering and Locomotive Technology activities in engineering services and production organizations. Such activities include simple and routine maintenance and repair services of automobile components.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04104	Basic Machine Elements	6
2.	AET 04106	Geometrical Drawing	9
3.	AET 04108	Basic Electrical & Electronics Systems	6
4.	AET 04110	Basics of Automobile Engineering	9
5.	AET 04114	Engineering Science	6
6.	AET 04115	Workshop Technology	12
7.	AET 04116	Basics of Railway Systems	6
Fundamental Modules			
8.	AET 04111	Basic Mathematics	6
9.	AET 04112	Basic Communication Skills	6
10.	AET 04113	Basic Computer Applications	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 04203	Basic Engine Maintenance	9
2.	AET 04205	Engineering Drawing	9
3.	MET 04207	Basics of Railway Rolling Stock	9
4.	MET 04208	Welding and Fabrication Practices	6
5.	AET 04209	Basic Automobile and Rolling Stock Electrical and Electronics Systems	9
Fundamental Modules			
6.	AET 04210	Basic Engineering Mathematics	6
7.	AET 04211	Elements of Entrepreneurship	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme, candidates who wish to exit are awarded the Basic Technician Certificate in Automobile Engineering and Locomotive Technology of the National Institute of Transport.

8.4.1.9.2. *Technician Certificate (NTA Level 5) in Automobile Engineering and Locomotive Technology*

(a) Purpose of Qualification

This qualification is intended to give a person's ability to perform routine and some non-routine engineering works, in industries, companies, and organizations. The works included troubleshooting maintenance and repair of all automobiles, Railways, and related powered machines.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05103	Automotive Electrical and Electronic System	9
2.	AET 05104	Industrial Practical Training	12
3.	AET 05105	Automotive Suspension and Steering Systems	6
4.	AET 05106	Automotive Brake Maintenance and Repair	6
5.	AET 05107	Materials Technology	6
6.	AET 05108	Machine Elements	6
7.	AET 05110	Thermo dynamics	4
8.	AET 05111	Locomotive Systems and Components	6
Fundamental Modules			
9.	AET 05112	Basic Computing Mathematics	6
10.	AET 05113	Principles of Entrepreneurship	6
Total Credits			75

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 05203	Computer Aided Drafting	9
2.	AET05204	Automotive Transmission and Drive Train	6
3.	AET 05205	Automotive Air Fuel Systems	6
4.	AET 05206	Fundamental of Automotive Maintenance and Repair	6
5.	AET 05209	Automobile Heating and Air conditioning	6
6.	MET 05210	Railway Carriage and Wagon Systems and Components	9
7.	AET 05210	Strength of Materials	6
Fundamental Modules			
8.	AET 05211	Trigonometry and Statistics	6
9.	AET 05212	Principles of Procurement and Supply	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme, candidates who wish to exit are awarded the Technician Certificate in Automobile Engineering and Locomotive Technology of the National Institute of Transport.

8.4.1.9.3. *Ordinary Diploma (NTA Level 6) in Automobile Engineering and Locomotive Technology*

(a) **Purpose of the Qualification**

This qualification is intended for persons, who will perform a broad range of activities most of which are non-routine including supervisory responsibilities. The activities carried out are in the fields of maintenance, production, service, and repair. This includes installing layouts and using machines for manufacturing engineering components, estimating resources required, and applying entrepreneurship and ICT knowledge to solve engineering problems.

(b) **Summary of Module**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 06104	Electronic Ignition and Fuel Injection	6
2.	AET 06105	Internal Combustion Engine	6
3.	AET 06107	Fluid Power System	6
4.	AET 06109	Industrial Practical Training	12
5.	AET 06110	Road Safety and Accident Investigation	6
6.	AET 06112	Locomotive Maintenance and Repair	6
7.	AET 06115	Project Proposal	6
Fundamental Modules			
8.	AET 06113	Computing Mathematics and Statistics	6
9.	AET 06114	Basic Programming with C++	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 06204	Environmental Engineering Management	6
2.	AET 06205	Workshop Management	6
3.	AET 06206	Automobile Body works	9
4.	AET 06207	Railway Safety and Accident Investigation	6
5.	AET 06208	Project Implementation	12
6.	AET 06211	Heavy-Duty Vehicles and Equipment	6
7.	MET 06211	Railway Carriage and Wagon Maintenance and Repair	6
8.	MET 06212	Urban Railway Vehicle Technology	6
Fundamental Modules			
9.	AET 06213	Development Studies	6
10.	AET 06214	Advanced Computing Mathematics	6
Total Credits			69

(c) **Award**

Upon successful completion of the programme, candidates are awarded the Ordinary Diploma in Automobile Engineering and Locomotive Technology of the National Institute of Transport.

8.4.1.10. Ordinary Diploma in Auto-Electrical and Electronic Engineering Programme

8.4.1.10.1. Basic Technician Certificate (NTA Level 4) in Auto-Electrical and Electronic Engineering

(a) **Purpose of Qualification**

This qualification is intended for persons who will work under supervision to maintain and repair Auto-electrical and electronic systems in the workshop.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04101	Basics of Engineering Drawing	5
2.	MET 04102	Mechanical Engineering Materials	9
3.	AET 04101	Basics of Automotive Technology	12
4.	MET 04105	Basics of Manufacturing Engineering	13
5.	AET 04102	Fundamentals of Electrical and Electronics Engineering	8
Fundamental Modules			
6.	GST 04101	Algebra and Trigonometry	5
7.	GST 04102	Mechanics and Nuclear Physics	6
8.	GST 04103	English Language Basics	4
Total Credits			62

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET04201	Pictorial, Orthographic and Auxiliary Projections	5
2.	MET 04203	Mechanical Engineering Science	6
3.	AET 04203	Automotive Systems Operation and Maintenance	12
4.	MET 04205	Machine Tools/Process and Maintenance	12
5.	MET 04206	Industrial Practical Training	10
Fundamental Modules			
6.	GST 04201	Series and Boolean Algebra	5
7.	GST 04202	Gender and HIV	4
8.	GST 04203	Microcomputer Application	6
Total Credits			60

(c) **Award**

On successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Auto-Electrical and Electronic Engineering of the National Institute of Transport.

8.4.1.10.2. *Technician Certificate in Auto-Electrical and Electronic Engineering*

(a) **Purpose of Qualification**

This qualification is intended for persons who will be able to apply engineering principles in diagnostic, repair and maintenance works of machines, engine management systems and perform diagnosis using scan tool under minimum supervision.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05101	Development and Interpenetration	6
2.	MET 05102	Strength of Materials	4
3.	MET 05103	Welding and Metal Fabrication	10
4.	MET 05104	Basics of Machine Elements and Design	5
5.	MET 05107	Engineering Thermodynamics	4
6.	AET 05105	Basics of Engine Management	12
Fundamental Modules			
7.	GST 05101	Differentiation and Integration	5
8.	GST 05102	Thermal Energy, Waves and Organic Compounds	6
9.	GST 05103	Introduction to Programming Using C language	6
Total Credits			58

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05206	Detail and Assembly Drawing	6
2.	AET 05206	Basics of Automotive Diagnosis	12
3.	MET 05207	Foundry and Metal Forming	10
4.	MET 05208	Fluid Mechanics	3
5.	MET 05209	Measurements, Instrumentation and Control technology	5
6.	AET 05207	Industrial Practical Training	10
Fundamental Modules			
7.	GST 05201	Matrices, Complex and Vectors	5
8.	GST05202	English Language Skills	4
9.	GST 05203	Basics of Entrepreneurship	4
10.	GST 05204	Introduction to Networking	4
Total Credits			63

(c) **Award**

On successfully completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Auto-Electrical and Electronic Engineering of the National Institute of Transport.

8.4.1.10.3. *Ordinary Diploma in Auto-Electrical and Electronic Engineering*

(a) **Purpose of Qualification**

This qualification is intended for persons who will work independently under minimum supervision to carry out vehicle systems maintenance and emission system and be able to apply such skills and knowledge in automotive service industry in a broad range of activities.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AET 06112	Automotive Diagnosis	8
2.	AET 06113	Charging and Starting Systems Services	8
3.	AET 06114	Basic Electrical Test Procedures	7
4.	AET 06115	Ignition and Engine Control Systems Service	7
5.	AET 06116	Electrical Faults and Test Equipment	5
6.	AET 06117	Electrical and Electronic principles	7
7.	AET 06118	Project work	7
8.	MET 06101	Fundamental of CAD	6
Fundamental Modules			
9.	GST 06101	Coordinate Geometry and Differential Equations	6
10.	GST 06102	Correspondence and Report Writing	4
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06208	3D Modeling using SOLID WORKS Software	6
2.	AET 06219	Electrical and Electronic Accessories Service	10
3.	AET 06220	Maintenance and repair of Auto-electronic fuel injection	8
4.	AET 06221	Auto electric and electronic pollution control	4
5.	AET 06222	Auto electric and electronic workshop management	8
6.	AET 06223	Project work	4
7.	AET 06224	Automotive instrumentation and communication	8
8.	IPTU 06	Industrial Practical Training	10
Fundamental Modules			
9.	GST 06201	Linear Programming, Statistics and Probability	6
10.	GST 06204	Enterprise Management	6
Total Credits			72

(c) Award

On successful completion of the programme, a candidate is awarded an Ordinary Diploma in Auto-Electrical and Electronic Engineering of the National Institute of Transport.

8.4.1.11. Short Courses

(a) Engine Overhaul (Petrol and Diesel) Objective

To impart knowledge and skills on engine overhaul for both petrol and diesel engines.

Duration: 40 Hours

(b) EFI (Electronic Fuel Injection) Objective

To impart knowledge and skills necessary to enable participants to identify fuel faults, electronic components (Sensor, ECU, Actuators) faults, and diagnose and rectify them.

Duration: 40 Hours

(c) Fuel Control and Safety Tools Usage

Objectives

- To impart knowledge and skills on fuel operational characteristics, control fuel usage for effective operation,
- To impart knowledge and skills on how to use safety and all important tools to be carried during vehicle trips.

Duration: 3 days or 24 hours

(d) Vehicle Inspection

Objective

To equip participants with skills, procedures, awareness, and positive attitude on proper techniques of vehicle inspection within the provision of vehicle inspection regulation.

Duration: 300 Hours

(e) Vehicle Inspection and Appraisal

- Possession of Certificate of Secondary Education Examinations or above; or any equivalent qualification and be able to read and write in both English and Kiswahili,
- Possession of Bachelor's Degree, Diploma, or Trade Test grade one automobile engineering,
- Possession of a valid Driving license.

Duration: 300 Hours

8.4.1.12 Academic Staff

Head of Department

Eng. Mazuri Lutema MSc. in Railway Engineering (Rolling Stock) - Addis Ababa University, Bachelor of Mechanical Engineering - (NIT)

Examination Officer

Mr. Abdul-Sadiq Ahmed Masters in Mechanical Engineering with Transportation Machinery – (NIT), Bachelor of Mechanical Engineering - (NIT).

Senior Lecturer

Dr. John N. Mahona PhD in Energy Engineering – (UDSM), MEM – (UDSM), BSc. In Mechanical Engineering – (UDSM).

Lecturers

Dr. Omari Mashi Khalfan PhD in Mechanical Engineering – (Selcuk University Turkey), MSc. in Mechanical Engineering – (Selcuk University Turkey), BSc. in Mechanical Engineering – (Selcuk University Turkey)

Dr. Azizi A. Mdimi PhD in Energy Engineering – (UDSM) MSc. in Engineering – (Volgograd State University of Technology) Bachelor of Automobiles and Automobile services – (Volgograd State University of Technology) FTC in Automotive Engineering – (ATC).

Dr. Nuru N. Kitara PhD in Environmental Sciences (SUA), MSc. in Environmental Sciences (Zurich University), BSc. in Environmental Sciences and Management (SUA).

Dr. Mary Makyao PhD in Natural Science – (Humbolt University), MSc. in Renewable Energy – (UDSM), BSc. in Environmental Science – (ARU).

Dr. Betram B. Kiswaga PhD. in Mechanical Engineering – (Wroclaw University of Science and Technology) MSc. in Mechanical Engineering – (Wroclaw University of Science and Technology) FTC in Automobile Engineering – (NIT).

Assistant Lecturers

***Mr. Michael J. Kyando** MEng. in Maintenance Management – (DIT), Bachelor of Automobile Engineering – (NIT), Diploma in Automobile Engineering – (NIT), Cert in Motor vehicle Mechanics (Der Technischen Schule des Heeres und Fachschule des Heeres für Technik – German).

Mr. Manala T. Mbumba MSc. Energy Engineering – (UDSM), Bachelor of Automobile Engineering – (NIT).

Mr. Chacha L. Mwita MSc. Project Management for Environmental and Energy Engineering (IMT Atlantique – France), BSc. in Mechanical Engineering – (UDSM).

Mr. Nyimila Anosisye	MSc. in Railway Engineering (Rolling Stock) - (Addis Ababa), BEng. in Mechanical Engineering - (DIT), FTC in Mechanical Engineering - (MTC).
Eng. Mazuri Lutema	MSc. in Railway Engineering (Rolling Stock) - Addis Ababa University, Bachelor of Mechanical Engineering - (NIT).
Mr. Mtatiro Boniface	MSc. Logistics Engineering and Management (Dalian Maritime University), Bachelor of Automobile Engineering - (NIT)
Mr. Faraja Nyangasa	MSc. in Railway Engineering (Rolling Stock) - (Addis Ababa), Bachelor of Automobile Engineering - (NIT)
Mr. Mhoja L. Mahona	MEng. in Maintenance Management – (DIT), Bachelor of Automobile Engineering – (NIT), Diploma in Automobile Engineering – (NIT).
Mr. Isaac I. Mwesigwa	Masters in Mechanical Engineering with Transportation Machinery – (NIT), Bachelor of Mechanical Engineering – (NIT).
Mr. Merikiory B. Njawala	Masters of Science in Production Engineering- (UDSM) Bachelor of Mechanical Engineering - (NIT), Diploma in Computer Engineering - (DIT)
Mr. Christian S. Nabora	MSc. in Renewable Energy Engineering – (NM-AIST), Bachelor of Automobile – (NIT)
Mr. Melkiory B. Njawala	MSc. in Production Engineering – (UDSM), Bachelor of Mechanical Engineering – (NIT)
Mr. Geoffrey L. Paul	MSc. in Production Engineering – (UDSM), Bachelor of Mechanical Engineering – (NIT)
Ms. Lydia T. Kamugisha	MSc. Environmental Technology Management (ARU), BSc. Environmental Laboratory Science and Technology- (ARU), Diploma in Education - (Morogoro T.T.C).

Tutorial Assistants

Eng. Jeferson B. Maisson	BEng. in Mechanical Engineering –(DIT), Diploma in Automotive Engineering – (ATC).
Mr. Revocatus C. Lameck	B.Eng. in Mechanical Engineering (MUST).
Mr. Edward J. Mwambage	MEng. in Maintenance Management – (DIT), Bachelor of Automobile Engineering – (NIT).

Senior Tutors

Mr. Patrick O. Makule	Bachelor of Automobile Engineering - (NIT), Diploma in Automobile Engineering - (NIT), FTC in Mechanical Engineering (Mbeya Tech.), Cert in Electronic Control Fuel Injection and Automatic Gearbox (Nakawa-Uganda), Automation with Hydraulics and Pneumatics - (India).
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Mr. Pascal P. Duwe	MSc. in Traffic Safety Management – (Malaysia University of Science and Technology), Bachelor of Automobile Engineering (NIT).
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Tutor I

Mr. Eric M. Elias	Bachelor Degree in Industrial and Legal Metrology - (CBE).
*Mr. Kelvin E. Ojango	BEng. in Mechanical Engineering - (DIT), Ordinary Diploma in Mechanical Engineering – (DIT).

Tutor II

Mr. Abdul-Sadiq A. Ahmed	Masters in Mechanical Engineering with Transportation Machinery – (NIT), Bachelor of Mechanical Engineering - (NIT).
Mr. Nicolaus H. Kayunga	Bachelor of Automobile Engineering - (NIT).
Mr. Nickson Joseph France	Bachelor of Automobile Engineering - (NIT).
Mr. Ebenezer F. Bakililehi	BEng. in Mechanical Engineering (SJUT).
Mr. Anuar A. Kombo	BEng. in Mechanical Engineering (MUST).
Mr. Elisha E. Subira	BEng. in Mechanical Engineering (MUST).
Mr. William W. Venge	PGD in Road Safety Management - (NIT), Diploma in Automobile Engineering – (NIT).
Mr. Eliakim Erasto	BTech. Mechanical Engineering - (I.K Gujral Punjab Technical University- India), Ordinary Diploma in Mechanical Engineering – (Shobhit University).
*Mr. Ibrahim Kornelio	Bachelor of Mechanical Engineering - (NIT).
Mr. Florian A. Ifunya	Diploma in Automobile Engineering - (NIT).
Ms. Geriwalda S. Mushi	Bachelor of Automobile Engineering – (NIT).

Laboratory Technicians

Mr. Emmanuel M. Mng'ong'o	Diploma in Automobile Engineering – (NIT).
Mr. Ally Kilimila	Diploma in Automobile Engineering – (NIT).
Mr. Hamadi C. Mngwai	Diploma in Automobile Engineering – (NIT).

** On Study Leave*

8.4.2. Department of Civil and Transportation Engineering

The Department is responsible for planning, organizing and conducting Civil engineering-related programmes. The Department has endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the engineering field. It creates an intellectual forum for various disciplines including civil, and transportation Engineering. Currently, the Department is conducting the Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6) and Certificate (NTA Level 4-5) Programmes.

8.4.2.1. General Engineering Course Programme for Civil and Railway Engineering

(a) Purpose of Qualifications

This qualification is intended for persons a person who will perform simple and routine civil and Railway Engineering activities in engineering services and production organizations.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 4214G	Engineering Mechanics	6
2.	CTT 4215G	Basic Railway Construction and Maintenance	9
3.	CTT 5218G	Basic Airport, Port and Harbour Construction and Maintenance	6
4.	CTT 4218G	Bulding Construction and Maintenance	6
5.	CTT 5102G	Strenght of Material	6
6.	CTT 5111G	Road Construction and Maintenance	6
7.	CTT 4107G	Basic Soil Mechanics	9
8.	CTT 4216G	Workshop Technology (Electrical Installation and Air Condition)	6
Fundamental Modules			
9.	CTT 4102G	Basic Communication Skills	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 4214G	Engineering Mechanics	6
2.	CTT 4215G	Basic Railway Construction and Maintenance	9
3.	CTT 5218G	Basic Airport, Port and Harbour Construction and Maintenance	6
4.	CTT 4218G	Bulding Construction and Maintenance	6
5.	CTT 5102G	Strenght of Material	6
6.	CTT 5111G	Road Construction and Maintenance	6
7.	CTT 4107G	Basic Soil Mechanics	9
8.	CTT 4216G	Workshop Technology (Electrical Installation and Air Condition)	6
Fundamental Modules			
9.	CTT 4102G	Basic Communication Skills	6
Total Credits			60

8.4.2.2. Bachelor's Degree (NTA Level 7-8) Programme in Civil and Railway Engineering

8.4.2.2.1. Higher Diploma (NTA Level 7) in Civil and Railway Engineering

(a) Purpose of the Qualification

This qualification is intended for a person who will be able to apply knowledge, skills and understanding in a range of complex technical activities. These activities include design; material investigations, managing and testing at site and laboratory; conducting periodic defect liability inspections and audits; civil and railway infrastructure accident investigations; drawings and progressive report preparations and supervision of works. Furthermore, will be able to carry out research in product and equipment improvements, operate and maintain measuring equipment, provision of excellent technical customer services and be a person of a higher degree of responsibility.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 07104	Construction Materials	9
2.	CRU 07105	Concrete Technology	9
3.	CRU 07106	Strength of Materials	6
4.	CRU 07107	Engineering Geology	3
5.	CRU 07108	Railway Systems Engineering	6
6.	CRU 07109	Hydraulics and Fluid Mechanics	9
7.	CRU 07110	Land Survey	9
Fundamental Modules			
8.	CRU 07101	Technical Communication Skills	6
9.	CRU 07102	Programming Principles	6
10.	CRU 07103	Linear Algebra	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 07203	Determinate Structures Analysis	9
2.	CRU 07204	Building Construction and Maintenance	6
3.	CRU 07205	Computer Aided Design	6
4.	CRU 07206	Railway Construction and Maintenance	6
5.	CRU 07207	Remote Sensing and GIS Application	6
6.	CRU 07208	Road Construction and Maintenance	6
7.	CRU 07209	Soil Mechanics	9
Fundamental Modules			
8.	CRU 07201	Development Studies	6
9.	CRU 07202	Integral Calculus	6
Total Credits			60

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 07302	Indeterminate Structures Analysis	9
2.	CRU 07303	Geotechnics and Foundation Engineering	6
3.	CRU 07304	Hydrology Engineering	6
4.	CRU 07305	Industrial Practical Training	12
5.	CRU 07306	Railway Geometric Design	6
6.	CRU 07307	Highway Geometric Design	6
7.	CRU 07308	Traffic Engineering	6
8.	CRU 07309	Water Supply Engineering	6
Fundamental Modules			
9.	CRU 07301	Differential Calculus	6
Total Credits			63

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 07404	Pavement and Materials Design	9
2.	CRU 07405	Railway Track Design	9
3.	CRU 07406	Reinforced Concrete Design	6
4.	CRU 07407	Road and Railway Drainage Systems	6
5.	CRU 07408	Wastewater Management	6
Fundamental Modules			
6.	CRU 07401	Probability and Statistics	6
7.	CRU 07402	Procurement and Supply Procedures	6
8.	CRU 07403	Research Methodology	6
Total Credits			54

(c) **Awards**

Upon successfully completing the course, a candidate who wishes to exit is awarded the Higher Diploma in Civil and Railway Engineering of the National Institute of Transport.

8.4.2.2.2. Bachelor's Degree (NTA-Level 8) in Civil and Railway Engineering

(a) **Purposes of the Qualification**

This qualification is intended for persons, who will conduct a variety of activities including; project identification, planning, design, and appraisal, preparation of technical and financial proposals for construction works and contract documents preparation. Supervise and monitor civil and railway construction works, reviewing contractual claims and conducting periodic defect liability inspections/audits. Also, participate in conducting civil and railway infrastructure accident investigations.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 08102	Construction Management	9
2.	CRU 08103	Project Conceptualization	9
3.	CRU 08104	Industrial Practical Training	12
4.	CRU 08105	Railway Safety and Risk Management	9
5.	CRU 08106	Railway Modelling and Simulation	9
6.	CRU 08107	Structural Steel and Timber Design	9
7.	CRU 08108	Pre-Stressed Concrete Design	9
Fundamental Modules			
8.	CRU 08101	Engineering Entrepreneurship	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CRU 08202	Airport, Port and Harbour Planning and Design	9
2.	CRU 08203	Bridge and Tunnel Design and Construction	9
3.	CRU 08204	Project Implementation	12
4.	CRU 08205	Railway Transport Planning and Operations Management	9
5.	CRU 08206	Environmental Engineering	6
Fundamental Modules			
6.	CRU 08201	Professional Ethics	6
Total Credits			51

(c) **Award**

Upon successfully completion of the programme, a candidate is awarded the Bachelor's Degree in Civil and Railway Engineering of the National Institute of Transport.

8.4.2.3. Ordinary Diploma in Civil and Transportation Engineering Programme

8.4.2.3.1. Basic Technician Certificate (NTA Level 4) in Civil and Transportation Engineering

(a) **Purpose of Qualifications**

This qualification is intended for persons who will perform simple and routine civil and Transportation Engineering activities in engineering services and production organizations.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 04105	Construction Materials	6
2.	CTT 04106	Basic of Transportation Engineering	6
3.	CTT 04107	Basic Soil Mechanics	9
4.	CTT 04108	Basics of Technical Drawing	9
5.	CTT 04109	Workshop Technology (Painting, Carpentry, Masonry and Plumbing)	9
Fundamental Modules			
6.	CTT 04101	Basic Mathematics	6
7.	CTT 04102	Basic Communication Skills	6
8.	CTT 04103	Basic Computer Applications	6
9.	CTT 04104	Basic Engineering Physics	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 04213	Linear Surveying	9
2.	CTT 04214	Engineering Mechanics	6
3.	CTT 04215	Basic Railway Construction and Maintenance	9
4.	CTT 04216	Workshop Technology (Electrical Installation and Air condition)	6
5.	CTT 04217	Basic Road Construction and Maintenance	6
6.	CTT 04218	Building Construction and Maintenance	6
Fundamental Modules			
7.	CTT 04210	Basic Engineering Mathematics	6
8.	CTT 04211	Arc and Gas welding	6
9.	CTT 04212	Element of Entrepreneurship	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Civil and Transportation Engineering of the National Institute of Transport.

8.4.2.3.2. *Technician Certificate (NTA Level 5) in Civil and Transportation Engineering*

(a) **Purpose of Qualification**

This qualification is intended for the person who will perform testing construction materials, constructing and maintaining civil transportation engineering structures.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 05104	Land surveying	9
2.	CTT 05105	Hydraulics and Fluid Mechanics	6
3.	CTT 05106	Computer aided drafting	6
4.	CTT 05107	Structural Analysis	6
5.	CTT 05108	Geotechnics and foundation Engineering	6
6.	CTT 05109	Estimating and Costing	6
7.	CTT 05110	Industrial Practical Training	12
8.	CTT 05111	Road Construction and Maintenance	6
Fundamental Modules			
9.	CTT 05101	Basic Computing mathematics	6
10.	CTT 05102	Strength of Materials	6
11.	CTT 05103	Principles of Entrepreneurship	6
Total Credits			75

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 05214	Railway Construction and Maintenance	9
2.	CTT05215	Architectural Drawing	9
3.	CTT 05216	Water Supply and Sanitation	6
4.	CTT 05217	Road and Railway Drainage Engineering	6
5.	CTT 05218	Basic Airport, Port and Harbour Construction and Maintenance	6
6.	CTT 05219	Road Alignment Design	9
Fundamental Modules			
7.	CTT 05212	Trigonometry and Statistics	6
8.	CTT 05213	Elements of Research Methodology	6
Total Credits			57

(c) **Award**

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Civil and Transportation Engineering of the National Institute of Transport.

8.4.2.4. *Ordinary Diploma (NTA Level 6) in Civil and Transportation Engineering*

(a) **Purpose of the Qualification**

This qualification is intended for persons who will design simple structures, construct and maintain civil and transportation engineering structures and assume supervisory responsibilities.

(b) **Summary of Module**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 06104	Pavement Materials and Design	6
2.	CTT 06105	Structural Steel and Timber Design	6
3.	CTT 06106	Basics of Pipeline Engineering	6
4.	CTT 06107	Project Proposal	6
5.	CTT 06108	Industrial Practical Training	12
6.	CTT 06109	Bridge and Tunnel Construction and Maintenance	9
Elective Modules			
7.	CTT 06110	Railway Route Alignment Design	6
8.	CTT 06111	Basic Airport Design	6
Fundamental Modules			
9.	CTT 06101	Basic Programming with C++	6
10.	CTT 06102	Computing Mathematics and Statistics	6
11.	CTT 06103	Professional Ethics	6
Total Credits			75

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CTT 06214	Basics of Traffic Engineering	6
2.	CTT 06215	Construction Management	9
3.	CTT 06216	Reinforced Concrete Design	9
4.	CTT 06217	Project Implementation	12
Elective Modules			
5.	CTT 06218	Basic Design of Railway Track	6
6.	CTT 06219	Basic Port and Harbour Engineering	6
Fundamental Modules			
7.	CTT 06212	Development Studies	6
8.	CTT 06213	Advanced Computing Mathematics	6
Total Credits			60

(c) **Award**

Upon completing the programme, a candidate is awarded the Diploma in Civil and Transportation Engineering of the National Institute of Transport

8.4.2.5 Academic Staff

Head of Department

Mr. Lameck Lugeiyamu Master Degree in Civil Engineering-Highway and Railway (Central South University, China) B.Eng. Civil Engineering – (SJUT).

Examination Coordinator

Costantine G. Ngaa BSc. Civil Engineering (UDSM).

Lecturers

Eng. Dr. Prosper L. Mgaya PhD Water Resources Engineering – (Kyoto University - Japan), MSc.in Water Resources Engineering – (UDSM), BSc. in Civil Engineering – (UDSM).

Assistant Lecturers

***Ms. Aisha B. Kabange** MSc in Railway Engineering (Civil Infrastructure) (Addis Ababa) B. Eng. Civil – (SJUT).

Mr. Lameck Lugeiyamu Master Degree in Civil Engineering-Highway and Railway (Central South University, China) B.Eng. Civil Engineering – (SJUT).

Ms. Sakina M. Juma MSc. in Railway Engineering (Civil Infrastructure) (Addis Ababa), B. Eng. Civil – (DIT).

Eng. Juma K. Ngoda MSc. Rail, Transport and Logistics (Technical University of Munich), BEng. in Civil Engineering (SJUT).

Tutorial Assistants

***Mr. Costantine G. Ngaa** BSc. Civil Engineering (UDSM).

***Ms. Alaturpoka Mgeni** BSc. Civil Engineering (UDSM).

Mr. Elisha C. Mwaisumo BSc. Civil Engineering (UDSM).

Mr. Elton E. Mfinanga MSc. in Structural Engineering (UDSM), BSc. in Civil Engineering (ARU).

Tutor II

Mr. Jacob W. Masewe BEng. in Civil Engineering (MUST).

Mr. HappyGod C. Moshi BEng. in Civil Engineering (DIT).

Laboratory Technician

Mr. Festo A. Chisanza BEng. in Civil Engineering – (DIT), Diploma in Civil Engineering (SJUT).

Mr. Manase P. Manyangulu Ordinary Diploma in Geomatics (Ardhi Institute - Morogoro).

Mr. Ally I. Amiry Ordinary Diploma in Civil Engineering (MUST).

** On study Leave*

8.4.3. Department of Electrical, Electronics and Telecommunication Engineering

The Department is responsible for planning, organizing and conducting of engineering related programmes. The Department has endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the engineering field. It creates an intellectual forum for various disciplines of Electrical, Locomotive Electronics, Telecommunication, railway electrification, Engineering Sciences and Technology. Currently the Department is conducting the Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6) and Certificate (NTA Level 4-5) Programmes.

8.4.3.1. General Courses Programme for Electrical and Railway Electrification Engineering

(a) Purpose of Qualifications

This qualification is intended for persons who will perform simple and routine Electrical and Railway Electrification Engineering activities in engineering services and production organizations

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 4106G	Basic Analogue Electronics	9
2.	ERT 4105G	Railway Systems Engineering	9
3.	ERT 4108G	Engineering Drawing	9
4.	ERT 4107G	Workshop Technology	12
5.	ERT 4109G	Electrical Measurements	9
Fundamental Modules			
6.	ERT 4103G	Basic Computer Applications	6
7.	ERT 6214G	Refrigeration and Air Conditioning	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 4213G	Basics of Railway Electrification Systems	6
2.	ERT 4218G	Workshop Practice Technology	12
3.	ERT 4214G	Basics of Digital Electronics	12
4.	ERT 4217G	Electrical Drawing	9
5.	ERT 5214G	Electrical Power Utilization	9
Fundamental Modules			
6.	ERT 5209G	Fundamentals of Computer Networking	9
7.	ERT 6101G	Basic Programming with C++	6
Total Credits			63

8.4.3.2. *Bachelor's Degree (NTA Level 7-8) Programme in Electrical and Railway Electrification Engineering*

8.4.3.2.1. *Higher Diploma (NTA Level 7) in Electrical and Railway Electrification Engineering*

(a) **Purpose of the Qualification**

This qualification is intended for a person who will be able to apply knowledge, skills and understanding in a broad range of complex technical activities. These activities include analysis and design; troubleshooting and maintenance, carry out research, technical report preparations and supervisions

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 07101	Electrical Circuit Analysis	12
2.	ERU 07102	Electromagnetic Theory	6
3.	ERU 07103	Railway Traction Power Substation	6
4.	ERU 07104	Object Oriented Programming	9
5.	ERU 07105	Computer Aided Design	9
Fundamental Modules			
6.	ERU 07106	Linear Algebra	6
7.	ERU 07107	Technical Communication Skills	6
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 07208	Digital System Design	9
2.	ERU 07209	Electronic Devices and Circuits	9
3.	ERU 07210	Railway Power Transmission and Catenary Lines	6
4.	ERU 07211	Measurement and Instrumentation	12
5.	ERU 07212	Linear Integrated Circuits	6
6.	ERU 07213	Electrical Power Generation and Distribution	6
Fundamental Modules			
7.	ERU 07214	Integral Calculus	6
8.	ERU 07215	Development Studies	6
Total Credits			54

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 07316	Network Analysis and Synthesis	6
2.	ERU 07317	DC Machines	12
3.	ERU 07318	Power Electronics	9
4.	ERU 07319	Power Systems Analysis	9
5.	ERU 07320	Applied Microcontroller	12
6.	ERU 07321	Industrial Practical Training	12
7.	ERU 07322	Control System Engineering	9
Fundamental Modules			
8.	ERU 07301	Differential Calculus	6
Total Credits			75

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 07424	Digital Signal Processing	9
2.	ERU 07425	AC Machines	12
3.	ERU 07426	Construction Management	6
4.	ERU 07427	Railway Electrification System Maintenance	9
5.	ERU 07428	Electrical Safety a Maintenance	9
6.	ERU 07429	Railway Motive Power	6
Fundamental Modules			
7.	ERU 07430	Reserch Methodology	6
8.	ERU 07431	Procurement and Supply Procedures	6
9.	ERU 07403	Probability and Statistics	6
Total Credits			69

(c) Awards

On successfully completion of the course, candidate who wishes to exit is awarded the Higher Diploma in Electrical and Railway Electrification Engineering of the National Institute of Transport.

8.4.3.2.2. Bachelor's Degree (NTA-Level 8) in Electrical and Railway Electrification Engineering

(a) Purposes of the Qualification

This qualification is intended to persons, who will conduct a variety of activities including; project identification, planning, design, supervision

and appraisal, preparation of technical and financial proposals, contract documents preparation. Also, will be able to monitor performance of Contractors, reviewing contractual claims, planning and undertaking inventory, infrastructure surveys. Furthermore, will be able to conduct research in product and Equipment, conduct risk assessment and safety consultation services at work.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 08101	Railway Risks and Safety Management	9
2.	ERU 08102	Protection and Switchgears	9
3.	ERU 08103	Industrial Automation	12
4.	ERU 08104	Special Electrical Machines	6
5.	ERU 08105	Overhead Contact System Design	9
6.	ERU 08106	Project Conceptualization	9
7.	ERU 08107	Industrial Practical Training	12
Fundamental Modules			
8.	ERU 08108	Engineering Entrepreneurship	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERU 08209	Railway Transport Planning and Operation Management	9
2.	ERU 08210	Electric Drives	9
3.	ERU 08211	High Voltage Engineering	9
4.	ERU 08212	Renewable Energy Systems	9
5.	ERU 08213	Project Implementation	12
Fundamental Modules			
7.	ERU 08214	Engineering Professional Ethics	6
8	ERU 08215	Environmental Engineering	6
Total Credits			60

(c) Award

On successful completion of the programme, candidate is awarded the Bachelor's Degree in Electrical and Railway Electrification Engineering of the National Institute of Transport.

8.4.3.3. **Ordinary Diploma in Electrical and Railway Electrification Engineering Programme**

8.4.3.3.1. **Basic Technician Certificate (NTA Level 4) in Electrical and Railway Electrification Engineering**

(a) **Purpose of Qualifications**

This qualification is intended for persons who will work under supervision to install, construct, maintain, diagnose, repair and modify simple electrical and railway electrification systems. They can also serve in the production, construction, manufacturing and processing and transport industries.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 04105	Basic of Railway Systems	6
2.	ERT 04106	Basic Analogue Electronics	9
3.	ERT 04107	Workshop Technology	9
4.	ERT 04108	Engineering Drawings	9
5.	ERT 04109	Electrical Measurements	6
Fundamental Modules			
6.	ERT 04101	Basic Mathematics	6
7.	ERT 04102	Basic Communication Skills	6
8.	ERT 04103	Basic Computer Applications	6
9.	ERT 04104	Basic Electrical Circuit Analysis	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 04213	Basic of Railway Electrification System	6
2.	ERT 04214	Digital Combinational Circuits	6
3.	ERT 04215	Circuit Board Printing and Draughting Techniques	9
4.	ERT 04216	Electrical Measurements and Instrumentation	6
5.	ERT 04217	Electrical Drawing	6
6.	ERT 04218	Electrical Workshop Practice	9
Fundamental Modules			
7.	ERT 04210	Basic Engineering Mathematics	6
8.	ERT 04211	Arc and Gas welding	6
9.	ERT 04212	Element of Entrepreneurship	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme, candidates who wish to exit are awarded the Basic Technician Certificate in Electrical and Railway Electrification Engineering of the National Institute of Transport.

8.4.3.3.2. Technician Certificate (NTA Level 5) in Electrical and Railway Electrification Engineering programme

(a) **Purpose of Qualification**

This qualification is intended for person who will have the ability to work under minimum supervision to perform non-routine engineering and technical works in a Railway Sector (electrical and electrification systems), industries, companies and organization. They can also self-employ and perform similar duty under own jurisdiction.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 05103	DC Machines	6
2.	ERT 05104	Analogue Electronic Devices and Circuit	6
3.	ERT 05105	Electromagnetism	6
4.	ERT 05106	Transformer	6
5.	ERT 05107	Industrial Practical Training	12
Fundamental Modules			
6.	ERT 05101	Basic Computing Mathematics	6
7.	ERT 05102	Principles of Entrepreneurship	6
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 05209	Fundamentals and Computer Networking	9
2.	ERT 05210	Railway electrical power generation and Substation	9
3.	ERT 05211	Power Electronics	6
4.	ERT 05212	Digital Sequential Circuit	9
5.	ERT 05213	AC Machines	9
6.	ERT 05214	Electrical Power Utilization	9
7.	ERT 05215	Power Plant Engineering	9
Fundamental Modules			
8.	ERT 05208	Trigonometry and Statistics	6
Total Credits			66

(c) **Award**

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Electrical and Railway Electrification Engineering of the National Institute of Transport.

8.4.3.3.3. **Ordinary Diploma (NTA Level 6) in Electrical and Railway Electrification Engineering**

(a) **Purpose of the Qualification**

This qualification is intended for persons, who will work independently to design and supervise electrical and railway electrification systems installations, constructions, modification, innovations, maintenance, repair and assist in research activities under some supervision.

(b) **Summary of Module**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 06104	Analogue Electronics Design	6
2.	ERT 06105	Applied Microcontrollers	6
3.	ERT 06106	Traction Motors	6
4.	ERT 06107	Railway Catenaries and Transmission Lines	3
5.	ERT 06108	Motor and Transformer Rewinding	9
6.	ERT 06109	Project Proposal	6
7.	ERT 06110	Industrial Practical Training	12
Fundamental Modules			
8.	ERT 06101	Basic Programming with C++	6
9.	ERT 06102	Computing Mathematics and Statistics	6
10.	ERT 06103	Professional Ethics and Supervisory Skills	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ERT 06213	Electric Drive	
2.	ERT 06214	Refrigeration and Air Conditioning	6
3.	ERT 06215	Electrical Maintenance and Management	9
4.	ERT 06216	Electrical Power Transmission and Distribution	3
5.	ERT 06217	Project Implementation	12
6.	ERT 06218	Electrical Protection and Switch Gear Maintenance	9
7.	ERT 06219	Railway Safety and Accident Investigation	6
8.	ERT 06220	Maglev Technology	3
Fundamental Modules			
9.	ERT 06211	Development Studies	6
10.	ERT 06212	Advanced Computing Mathematics	6
Total Credits			66

(c) **Award**

On successfully completion of the programme, a candidate is awarded the Ordinary Diploma in Electrical and Railway Electrification Engineering of the National Institute of Transport.

8.4.3.4. General Courses Programme for Telecommunication and Railway Signalling Engineering

(a) **Purpose of Qualifications**

This qualification is intended for persons who will perform simple and routine civil and Transportation Engineering activities in engineering services and production organizations

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 4102G	Railway Systems Engineering	9
2.	TRT 4106G	Basic Analogue Electronics	9
3.	TRT 4108G	Engineering Drawing	9
4.	TRT 4107G	Workshop Technology	12
5.	TRT 4215G	Telecommunication Principles	6
6.	TRT 4109G	Electronic Measurements	9
Fundamental Modules			
7.	TRT 4103G	Basic Computer Applications	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 4213G	Basics of Railway Signaling	6
2.	TRT 4202G	Basics of Digital Electronics	12
3.	TRT 5210G	Data Communication and Networking	9
4.	TRT 4216G	Electronic Drawing	9
5.	TRT 6216G	Communication Systems Engineering	9
6.	TRT 4207G	Workshop Practice Technology	12
Fundamental Modules			
7.	TRT 6101G	Basic Programming with C++	6
Total Credits			63

8.4.3.5. *Bachelor's Degree (NTA Level 7-8) Programme in Telecommunication and Railway Signalling Engineering*

8.4.3.5.1. *Higher Diploma (NTA Level 7) in Telecommunication and Railway Signalling Engineering*

(a) **Purpose of the Qualification**

This qualification is intended for a person who will be able to apply knowledge, skills and understanding in a broad range of complex technical activities. These activities include analysis and design; instillation, maintenance, technical report preparations, carry out research and supervision.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 07103	Analogue Communication	6
2.	TRU 07104	Electronic Circuits and Devices	9
3.	TRU 07105	Computer Aided Design	9
4.	TRU 07106	Computer Networking	6
5	TRU 07107	Electric Circuit Analysis	12
6	TRU 07108	Electromagnetic Theory	6
7	TRU 07109	Object Oriented Programming	9
Fundamental Modules			
8	TRU 07101	Technical Communication Skills	6
9	TRU 07102	Linear Algebra	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 07212	Analogue System Design	9
2.	TRU 07213	Antenna and Wave Propagation	6
3.	TRU 07214	Digital System Design	6
4.	TRU 07215	Measurement and Instrumentation	12
5	TRU 07216	Optical Communication	6
6	TRU 07217	Wireless and Mobile Communication	6
Fundamental Modules			
8	TRU 07210	Development Studies	6
9	TRU 07211	Integral Calculus	6
Total Credits			57

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 07319	Applied Microcontroller	9
2.	TRU 07320	Control System Engineering	9
3.	TRU 07321	Industrial Practicl Training	12
4.	TRU 07322	Linear Intergated Circuits	9
5.	TRU 07323	Microwave Engineering	6
6.	TRU 07324	Power Electronics	12
7.	TRU 07325	Railwy Core Backbone Network	6
8.	TRU 07326	Signals and Systemss	6
Fundamental Modules			
9	TRU 07318	Differential Calculus	6
Total Credits			75

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 07428	Data Communication	6
2.	TRU 07429	Digital Communion	6
3.	TRU 07430	Digital Signal Processing	9
4.	TRU 07431	Railway Interlocking System	6
5	TRU 07432	Railway Telecommunication System	6
	TRU 07433	Telecommunication Switching and Network	6
Fundamental Modules			
6	TRU 07427	Research Methodology	6
7	TRU 07434	Probability and Statistics	6
Total Credits			51

(c) Awards

On successfully completion of the course, candidate who wishes to exit is awarded the Higher Diploma in Telecommunication and Railway Signalling Engineering of the National Institute of Transport

8.4.3.5.2. Bachelor's Degree (NTA-Level 8) in Telecommunication and Railway Signalling Engineering

(a) Purposes of the Qualification

This qualification is intended to persons, who will conduct a variety of activities including; project identification, planning, design, supervision and appraisal, preparation of technical and financial proposals, contract documents preparation. Also, will be able to monitor performance of contractors, reviewing contractual claims, planning nd undertaking inventory, infrastructures survey. Furthermore, will be able to conduct

research in product and equipment, conduct risk assessment and safety consultation services at work

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 08101	Railway Risk and Management System	9
2.	TRU 08102	Train Control Systems	9
3.	TRU 08103	Cyber Security	9
4.	TRU 08104	Project Conceptualization	6
5.	TRU 08106	VLSI and Chip Design	9
6.	TRU 08107	Industrial Automation	9
7.	TRU 08108	Industrial Practical Training	12
Fundamental Modules			
8.	TRU 0806	Engineering Entrepreneurship	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRU 08210	Radar and Navigation Systems	9
2.	TRU 08211	Railway Transport Planning and Operation management	9
3.	TRU 08212	Railway Traffic Management System	9
4.	TRU 08213	Project Implementation	12
5.	TRU 08214	Satellite Communication	9
6.	TRU 08215	Environmental Engineering	6
Fundamental Modules			
7.	TRU 08209	Engineering Professional Ethics	6
Total Credits			60

(c) Award

On successful completion of the programme, candidate is awarded the Bachelor's Degree Telecommunication and Railway Signalling Engineering of the National Institute of Transport.

8.4.3.6. Ordinary Diploma in Telecommunication and Railway Signalling Engineering Programme

8.4.3.6.1. Basic Technician Certificate (NTA Level 4) in Telecommunication and Railway Signalling Engineering

(a) Purpose of Qualifications

This qualification is intended for persons who will work under supervision to install, construct, maintain, diagnose, repair and modify simple electronic,

and telecommunication engineering systems and railway signalling plants, components and pertaining systems. They can also work in fast-growing information and communications and transport industries.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 04104	Basic Electrical Circuit Analysis	6
2.	TRT 04105	Basic of Railway Systems	6
3.	TRT 04106	Basic Analogue Electronics	9
4.	TRT 04107	Workshop Technology	9
5.	TRT 04108	Engineering Drawings	9
6.	TRT 04109	Electrical Measurements	9
Fundamental Modules			
7.	TRT 04101	Basic Mathematics	6
8.	TRT 04102	Basic Communication Skills	6
9.	TRT 04103	Basic Computer Applications	6
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 04213	Basic of Railway Signalling	6
2.	TRT 04214	Digital Combinational Circuits	6
3.	TRT 04215	Telecommunication Principles	9
4.	TRT 04216	Electronic Drawing	9
5.	TRT 04217	Electronic Workshop Practice	9
Fundamental Modules			
6.	TRT 04210	Basic Engineering Mathematics	6
7.	TRT 04211	Arc and Gas welding	6
8.	TRT 04212	Element of Entrepreneurship	6
Total Credits			57

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Telecommunication and Railway Signalling Engineering of the National Institute of Transport.

8.4.3.6.2. *Technician Certificate (NTA Level 5) in Telecommunication and Railway Signalling Engineering*

(a) Purpose of Qualification

This qualification is intended for person who will have the ability to perform work under minimum supervision to perform non-routine engineering and technical works in a Railway Sector, industries, companies and organizations in electronics, telecommunications and signalling systems. The graduate may self-employ to do similar duties.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 05103	Analogue Electronic Devices and Circuit	6
2.	TRT 05104	Television and Video Technology	9
3.	TRT 05105	Antennas and Transmission Lines	9
4.	TRT 05107	Industrial Practical Training	12
5.	TRT 05108	Mechanical Based Signalling Technology	9
Fundamental Modules			
6.	TRT 05101	Basic Computing Mathematics	6
7.	TRT 05102	Principles of Entrepreneurship	6
8.	TRT 05106	Electromagnetism	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 05210	Data Communication and Networking	12
2.	TRT 05211	Digital Sequential Circuit	9
3.	TRT 05212	Power Electronics	6
4.	TRT 05213	Radio Transmission Systems	9
5.	TRT 05214	Electrical Based Signalling Technology	9
6.	TRT 05215	Electronic Products Fabrication	9
Fundamental Modules			
7.	TRT 05209	Trigonometry and Statistics	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Telecommunication and Railway Signalling Engineering of the National Institute of Transport.

8.4.3.6.3. *Ordinary Diploma (NTA Level 6) in Telecommunication and Railway Signalling Engineering*

(a) **Purpose of the Qualification**

This qualification is intended for persons, who have ability to perform work under minimum supervision to perform non-routine engineering and technique works in railway sector, in industries, companies and organisations in electronics, telecommunications and signaling systems. They can self-employ to do the same duties.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 06104	Analogue Electronics Design	6
2.	TRT 06105	Applied Microcontrollers	6
3.	TRT 06106	Principles of CCTV Technology	3
4.	TRT 06107	Radar and Navigation Systems	6
5.	TRT 06108	Railway Control Systems	6
6.	TRT 06109	Maintenance and Repair of Railway Telecommunication System	9
7.	TRT 06110	Project Proposal	6
8.	TRT 06111	Industrial Practical Training	12
Fundamental Modules			
9.	TRT 06101	Basic Programming with C++	6
10.	TRT 06102	Computing Mathematics and Statistics	6
11.	TRT 06103	Professional Ethics and Supervisory Skills	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	TRT 06214	Telephony and switching	3
2.	TRT 06215	Microwave and Satellite Communication	6
3.	TRT 06216	Communication System Engineering	6
4.	TRT 06217	Project Implementation	12
5.	TRT 06218	Maintenance and Repair of Railway Signalling Systems	9
6.	TRT 06219	Railway Safety and Accident Investigation	6
7.	TRT 06220	Maintenance of Railway Radio Base Station	9
Fundamental Modules			
8.	TRT 06212	Development Studies	6
9.	TRT 06213	Advanced Computing Mathematics	6
Total Credits			63

(c) Award

On successful completion of the programme, a candidate is awarded the Ordinary Diploma in Telecommunication and Railway Signalling Engineering of the National Institute of Transport.

8.4.3.7. Ordinary Diploma (NTA Level 4-6) in Electrical Engineering

8.4.3.7.1. Basic Technician Certificate (NTA Level 4) in Electrical Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will work under supervision to install, construct, maintain, diagnose, repair, and modify simple electrical systems.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 04101	Basic Electricity	9
2.	ETT 04101	Analogue Electronics	12
3.	EET 04102	Workshop Technology and Practice	12
4.	EET 04103	Printed Circuit Board Techniques	6
5.	EET 04104	Electrical Measurements I	6
Fundamental Modules			
6.	GST 04101	Advanced Mathematics I	5
7.	GST 04102	Physical Sciences I	3
8.	GST 04103	Communication Skills	2
9.	GST 04104	Entrepreneurship I	3
10.	GST 04105	Basic Computer Application I	2
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 04201	Electrical Material	6
2.	ETT 04201	Digital Electronics	12
3.	EET 04202	Workshop Technology & Practice II	12
4.	EET 04204	Electrical Measurements II	6
5.	IPTU 04	Industrial Practical Training	6
Fundamental Modules			
6.	GST 04201	Advanced Mathematics II	5
7.	GST 04202	Physical Sciences II	3
8.	GST 04203	Communication Skills II	2
9.	GST 04204	Entrepreneurship II	3
10.	GST 04205	Basic Computer Application II	2
Total Credits			61

(c) Award

Upon successful completion of the programme candidate who wishes to exit is awarded the Basic Technician Certificate in Electrical Engineering of the National Institute of Transport.

8.4.3.7.2. Technician Certificate in Electrical Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will work under minimum supervision to design, install, construct, maintain diagnose, repair and modify simple and medium scale electrical systems.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 05101	DC Machines	9
2.	ETT 05101	Electronics Devices and Circuit	7
3.	ETT 05102	Computer Aided Design Tools	6
4.	EET 05102	Workshop Practice I	9
5.	EET 05103	Electromagnetism	4
6.	EET 05104	Control Engineering	6
Fundamental Modules			
7.	GST 05101	Advanced Mathematics I	3
8.	GST 05102	Physical Sciences I	3
9.	GST 05103	Communication Skills	2
10.	GST 05104	Entrepreneurship I	2
11.	GST 05105	Basic Computer Application I	2
Total Credits			53

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 05201	Transformer	9
2.	ETT 05201	Digital Technology	7
3.	ETT 05202	Power Electronics	6
4.	EET 05202	Workshop Practice. II	9
5.	EET 05203	Electrical Power Utilization	6
6.	EET 05204	Power plants Engineering	8
7.	IPTU 05	Industrial Training	10
Fundamental Modules			
8.	GST 05201	Advanced Mathematics II	3
9.	GST 05202	Physical Sciences II	3
10.	GST 05203	Communication Skills II	2
11.	GST 05204	Entrepreneurship II	2
12.	GST 05205	Basic Computer Application II	2
Total Credits			67

(c) Award

Upon successful completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Electrical Engineering of the National Institute of Transport.

8.4.3.7.3. Ordinary Diploma in Electrical Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will work independently to design and supervise electrical installations, constructions, innovations, maintenance, repair and assist in research activities under some supervision.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ETT 06101	Analogue Electronics Design	10
2.	ETT 06102	Applied Microcontrollers	8
3.	ETT 06103	Television and Video Engineering	12
4.	ETT 06104	Radar and Navigation Systems	10
5.	EET 06103	Automation	8
6.	EET 06106	Project I	4
Fundamental Modules			
7.	GST 06101	Coordinate Geometry and Differential Equations	4
8.	GST 06102	Correspondence, Interpersonal Skills and Report Writing	4
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	GST 06201	Linear Programming, Statistics and Probability	3
2.	GST 06204	Enterprise Management	6
3.	ETT 06201	Telephony and switching	10
4.	ETT 06202	Microwave Technology	9
5.	ETT 06203	Communication Systems	9
6.	ETT 06204	Satellite Communication	9
7.	EET 06207	Project II	4
8.	IPTU 06	Industrial Practical Training	10
Total Credits			60

(c) Award

Upon successfully completion of the programme a candidate is awarded the Ordinary Diploma in Electrical Engineering of the National Institute of Transport.

8.4.3.8. *Ordinary Diploma in Electronics and Telecommunication Engineering Programme*

8.4.3.8.1. *Basic Technician Certificate (NTA Level 4) in Electronics and Telecommunication Engineering*

(a) **Purpose of Qualification**

This qualification is intended for persons who will work under supervision to install, construct, maintain, diagnose, repair, and modify simple electrical systems.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 04101	Basic Electricity	9
2.	ETT 04101	Analogue Electronics	12
3.	EET 04102	Workshop Technology and Practice.	12
4.	EET 04103	Printed Circuit Board Techniques	6
5.	EET 04104	Electrical Measurements I	6
Fundamental Modules			
6.	GST 04101	Algebra and Trigonometry	5
7.	GST 04102	Mechanics and Nuclear Physics	6
8.	GST 04103	English Language Basics	4
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	EET 04201	Electrical Material	6
2.	ETT 04201	Digital Combinational Circuits	11
3.	ETT 04202	Telecommunication Principles	12
4.	EET 04204	Electrical Measurements II	6
5.	IPTU 04	Industrial Training	10
Fundamental Modules			
6.	GST 04201	Series and Boolean Algebra	5
7.	GST 04202	Gender and HIV	4
8.	GST 04203	Microcomputer Application	6
Total Credits			60

(c) **Award**

Upon successfully completion of the programme a candidate who wishes to exit is awarded the Basic Technician Certificate in Electronics and Telecommunication Engineering of the National Institute of Transport.

8.4.3.8.2. Technician Certificate in Electronics and Telecommunication Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will work under minimum supervision to design, install, construct, maintain, diagnose, repair and modify simple and medium scale Electronics and Telecommunication systems.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ETT 05101	Analogue Electronics Devices and Circuit	7
2.	ETT 05102	Computer Aided Design Tools	6
3.	ETT 05103	Television Technology	9
4.	ETT 05104	Antennas and Transmission Lines	9
5.	EET 05103	Electromagnetism	4
6.	EET 05104	Control Engineering	6
Fundamental Modules			
7.	GST 05101	Differentiation and Integration	5
8.	GST 05102	Thermal Energy, Waves and Organic Compounds	6
9.	GST 05103	Introduction to Programming Using C	6
Total Credits			58

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ETT 05201	Digital Sequential Circuits	9
2.	ETT 05202	Power Electronics	6
3.	ETT 05203	Data Communication	8
4.	ETT 05204	Instrumentation	8
5.	ETT 05205	Radio Transmission Systems	8
6.	IPTU 05	Industrial Training	10
Fundamental Modules			
7.	GST 05201	Matrices, Complex and Vectors	5
8.	GST05202	English Language Skills	4
9.	GST 05203	Basics of Entrepreneurship	4
10.	GST 05204	Introduction to Networking	4
Total Credits			64

(c) Award

Upon successful completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Electronics and Telecommunication Engineering of the National Institute of Transport.

8.4.3.8.3. Ordinary Diploma in Electronics and Telecommunication Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will work independently to design and supervise electrical installations, constructions, innovations, maintenance, repair and assist in research activities under some supervision.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ETT 06101	Analogue Electronics Design	10
2.	ETT 06102	Applied Microcontrollers	8
3.	ETT 06103	Television and Video Engineering	12
4.	ETT 06104	Radar and Navigation Systems	10
5.	EET 06103	Automation	8
6.	EET 06106	Project I	4
Fundamental Modules			
7.	GST 06101	Coordinate Geometry and Differential Equations	4
8.	GST 06102	Correspondence, Interpersonal Skills and Report Writing	4
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ETT 06201	Telephony and Switching	10
2.	ETT 06202	Microwave Technology	9
3.	ETT 06203	Communication Systems	9
4.	ETT 06204	Satellite Communication	9
5.	EET 06207	Project II	4
6.	IPTU 06	Industrial Training	10
Fundamental Modules			
7.	GST 06201	Linear Programming, Statistics and Probability	3
8.	GST 06204	Enterprise Management	6
Total Credits			60

(c) Award

Upon successful completion of the programme a candidate is awarded the Ordinary Diploma in Electronics and Telecommunication Engineering of the National Institute of Transport.

8.4.3.9. Academic Staff

Head of Department

Ms. Grace Kibweja MSc. Railway Engineering (Traction & Train Control) – (Addis Ababa University, Ethiopia), BEng. in Electrical and Electronics Engineering – (SJUT).

Examination Coordinator

Mr. Walter S. Maanga B.Eng. Electronics and Communication Engineering - (SJUT).

Lecturers

Dr. Elizabeth E. Ngatunga PhD. in Telecommunication Engineering - (UDSM) MSc. in Information Technology and Management – (Avinashilingam Deemed University) BSc. In Telecommunication Engineering - (UDSM).

Assistant Lecturers

Ms. Grace Kibweja MSc. Railway Engineering (Traction & Train Control) – (Addis Ababa University, Ethiopia), BEng. in Electrical and Electronics Engineering – (SJUT).

Mr. Paul Wilson MSc. in Power System and High Voltage - (UDSM), BSc. in Electrical Engineering - (UDSM).

***Ms. Khadija O. Mohammed** MSc. in Telecommunication Engineering - (UDOM), BSc. in Telecommunication Engineering - (UDOM).

***Mr. Jairos Kagoma** M.Eng. in Electrical Engineering (Beijing), BEng. in Electronics and Communications – (SJUT).

Ms. Subira E. Mbangula M.Eng. in Electronics and Communication Engineering (Beijing Institute of Technology), BSc. in Telecommunication Engineering – (UDSM)

Eng. Emmanuel P. Mgisha M.Eng. in Electrical Engineering (Systems and Control Engineering) – (Indian Institute of Technology (IIT) Roorkee), BEng. in Electrical and Electronics Engineering – (MUST), Ordinary Diploma in Electronics and Telecommunication Engineering – (DIT).

Tutorial Assistants

Mr. Walter S. Maanga BEng. in Electronics and Communication Engineering - (SJUT).

Mr. Salum A. Kiswanya BSc. in Telecommunication Engineering (UDOM).

Ms. Latifa A. Abdulmajid BSc. in Telecommunication Engineering (UDOM).

Mr. Manyanda M. Makoye BEng. in Electrical and Electronics Engineering – (MUST).

Eng. Zacharia D. Kulwa BEng. in Electrical and Electronics Engineering – (MUST).

Mr. Augustino S. Mwang'onda BSc. in Electrical Engineering (UDSM).

Mr. Sayuni Z. Haule BSc. in Telecommunication Engineering - (UDSM).

Tutor II

Mr. Hamisi I. Yusuph	BEng. in Electronics and Telecommunication Engineering - (DIT).
Mr. Yassir M. Saaduni	BEng. in Electronics and Telecommunication Engineering - (DIT), Ordinary Diploma in Electronics and Telecommunication Engineering - (DIT).
Mr. Elisha K. Gabriel	BEng. in Electronics and Telecommunication Engineering - (DIT), Ordinary Diploma in Electronics and Telecommunication Engineering - (ATC).
Mr. Hamad S. Salumu	BEng. in Electrical Engineering - (DIT).
Mr. Joshua Y. Ibrahim	BEng. in Computer Engineering - (DIT), Ordinary Diploma in Computer Engineering - (DIT)
Mr. Mikidadi T. Mikidadi	BSc. in Electrical Engineering (UDSM). Laboratory Technician II
Mr. Lucas E. Nyakanyenge	Diploma in Electrical Engineering – (ATC).
Mr. Yusuph M. Mayanzi	Diploma in Electronics and Telecommunication Engineering – (ATC).

** On study Leave*

8.4.4. Department of Transport Safety and Environmental Engineering

The department has two sections, one dealing with Professional Driver Training and other section is Bureau of Transport Safety and Accident Investigation.

8.4.4.1. Organization of Short Courses

The Department of Transport Safety and Environmental Engineering Studies organizes and co- ordinates short duration courses which are run by the Institute. The courses are tailor-made to suit customer requirements.

The problems are identified either by the companies/organizations themselves or through the assistance of the Academic Staff of the Institute. Then seminars and short courses are organized to deliberate on solutions. The duration of each particular course depends on the nature of the identified problem and time clients can spare for the training. However, some of the short courses are conducted regularly and appear on the Institute's calendar for each year as per details contained in section 4.7. Teaching of participants in different courses is done by Lecturers/Tutors from other departments.

8.4.4.2. Short Courses Conducted by the Department

(a) Driver Instructor Course

Objective:

To impart knowledge, skills and values for correct attitudes so as to enable participants to provide vehicles safely and effective instruction techniques.

Duration: 10 Weeks

(b) Advanced Drivers' Course Grade II (for VIP Drivers)

Objective:

To impart knowledge, skills and values for correct attitudes so as to enable participants to provide proper services to VIPs and to handle vehicles safely and effectively.

Duration: 4 weeks

(c) Advanced Drivers' Course Grade I

Objective:

To impart knowledge, skills and values for correct attitudes so as to enable participants to handle vehicles and to exercise some degree of responsibility to their subordinates effectively and efficiently.

Duration: 4 weeks

(d) Public Service Vehicle (PSV) Drivers Course

Objective:

To impart knowledge, skills and values for correct attitudes to enable participants to provide services to passengers, observe safer driving and handle vehicles more efficiently and effectively.

Duration: 11 days

(e) Vehicle Safety Management and Control

Objective:

To impart knowledge on safety and comfort for vehicle user to enable participants to identify and perform safety on vehicle.

Duration: 5 days

(f) Heavy Goods Vehicles (HGV) Course

Objective

To impart knowledge, skills and values for correct attitudes to enable participants to provide services to heavy goods, observe safer driving and handle vehicles more efficiently and effectively.

Duration: 15 days.

(g) Defensive Driving Training (DDT)

Objective:

To impart safe driving knowledge and techniques to drivers in order to avoid road crashes.

Duration: 5 days.

(h) Senior Drivers' Course

Objective:

To produce a Driver with ultimate skills of fleet management.

Duration: 6 weeks.

(i) Forklift Operator Training

Objective:

To ensure the safe and proper use of Powered Industrial Trucks (PITs), and compliant with regulations relating to matters including driver licensing, drivers fitness, lifting worthness, the safe loading and maneuvering of lifting trucks.

Duration: 5 days

(j) Driving Examiners Course

Objective

To impart knowledge to know how to examine a potentially good driver for safe motor vehicle operation.

Duration: 10 weeks

(k) Bus Rapid Transport Driving Course (BRT)

Objective: To impart clear understanding and skills of safe driving and proper handling of customers and BRT buses, Including articulated buses.

Duration: 2weeks

(l) Airport Vehicle Driving and Operation Courses

Objective: To mentor a highly skilled airport Vehicle Drivers who will assist in delivering ground handling services.

Duration: 10 weeks

(m) Bus Passengers Customers Service

Objective: To impart knowledge and skills to bus passenger Cabin Crew with ability to deliver excellent customer service.

Duration: 06 days

8.4.4.3. Awards

Two types of awards are offered to participants depending on the nature of the course attended. Courses that are examined through approved examinations lead to an award of a Certificate of Competence to those who pass examinations. Participants who attend courses which are not examined at the end of the course are given Certificates of Attendance. Such courses have durations ranging between one day and two weeks.

8.4.4.4 Academic Staff

Head of Department

Mr. Patrick O. Makule Bachelor of Automobile Engineering - (NIT), Diploma in Automobile Engineering - (NIT), FTC in Mechanical Engineering (MTC), Cert in Electronic Control Fuel Injection and Automatic Gearbox (Nakawa-Uganda), Automotion with Hydraulics and Pneumatics - (India).

Coordinator of Bureau of Transport Safety and Accident Investigation.

Ms. Lydia T. Kamugisha MSc. Environmental Technology Management (ARU), BSc. Enviromental Laboratory Science and Technology- (ARU), Diploma in Education - (Morogoro T.T.C).

Manager for Professional Driver Training

Mr. Khalifa H. Hassan MSc. in Oil and Natural Gas Engineering (Wuhan university of Geoscience), BEng. in Mechanical Engineering – (MUST), FTC in Automotive Engineering – (ATC).

Instructors/Facilitators

Dr. Nuru N. Kitara PhD in Environmental Sciences (SUA), MSc. in Environmental Sciences (Zuric University), BSc in Environmental Sciences and Management (SUA).

Dr. Mary Makyao PhD in Natural Science – (Humbolt University), MSc. in Renewable Energy – (UDSM), BSc. in Environmental Science – (ARU).

Ms. Lydia T. Kamugisha MSc. Environmental Technology Management (ARU), BSc. Enviromental Laboratory Science and Technology- (ARU), Diploma in Education - (Morogoro T.T.C).

Mr. Khalifa H. Hassan MSc. in Oil and Natural Gas Engineering (Wuhan university of Geoscience), BEng. in Mechanical Engineering – (MUST), FTC in Automotive Engineering – (ATC).

Mr. Patrick O. Makule Bachelor of Automobile Engineering - (NIT), Ordinary Diploma in Automobile Engineering - (NIT), FTC in Mechanical Engineering (Mbeya Tech.), Cert in Electronic Control Fuel Injection and Automatic Gearbox (Nakawa-Uganda), Automotion with Hydraulics and Pneumatics - (India).

Mr. Pascal P. Duwe MSc. in Traffic Safety Management – (Malaysia University of Science and Technology), Bachelor of Automobile Engineering (NIT).

Mr. Frankline Luhegangulu Ordinary Diploma in Automobile Engineering – (NIT).

Mr. Masambara Mtaki Ordinary Diploma in Automobile Engineering – (NIT).

8.5. FACULTY OF MARITIME TRANSPORT AND PETROLEUM TECHNOLOGY

The Faculty of Maritime and Petroleum Technology (FoMPT) oversees the development and review of all academic programmes to ensure the efficient provision of quality education in maritime, oil and gas-related academic programmes as well ensuring sustainable growth and development of the industry. The FoMPT hosts two academic departments, namely: The Department of Maritime Transport Management and The Department of Marine, Oil and Gas Engineering.

8.5.1. *Department of Maritime Transport Management*

The department is dedicated to advancing the field of maritime transport through rigorous academic research, comprehensive education and the development of innovative practices. The department focuses on equipping students and professionals with knowledge and skills necessary to navigate the complexities of maritime logistics, regulatory frameworks and emerging technology. Currently, the Department is conducting the Master's degree (NTA level 9), Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6) and Certificate (NTA Level 4-5) Programmes.

8.5.1.1. *Masters in Shipping and Port Logistics Management*

(a) **Purpose of Qualification**

This qualification is intended for a person who will manage shipping and port logistics operations, develop strategies for managing relationships with business partners, prepare detailed annual shipping and port operations management plans and reports, oversee the control of shipping and port logistics activities, manage and scrutinize operations of organizational shipping procedures and international trades, manage assets and inventories, coordinate with internal and external stakeholders, manage shipping and port enterprises, review and develop risk management strategies, negotiate shipping contracts and undertake research.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPG 09101	Maritime Law	9
2.	SPG 09102	Maritime Economics	9
3.	SPG 09103	Shipping Management	12
4.	SPG 09104	Port Management	12
5.	SPG 09105	Marine Environment Management	12
Fundamental Modules			
6.	SPG 09106	Maritime Analytics	6
7.	SPG 09107	Research Methodology	12
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPG 09208	Maritime Finance	9
2.	SPG 09209	Strategic Shipping for International Trade	9
3.	SPG 09210	Global Supply Chain Management	12
4.	SPG 09211	Marine Insurance	9
5.	SPG 09212	Customs Management	9
6.	SPG 09213	Shipping and Port Marketing	9
Fundamental Modules			
7.	SPG 09214	Human Resources in Shipping	6
Total Credits			63

Dissertation

S/No.	Module Code	Module Title	Class	Credits
8.	SPG 09215	Dissertation	Core	50

(c) Awards

On successful completion of the programme, a candidate is awarded the Masters in Shipping and Port Logistics Management of the National Institute of Transport.

8.5.1.2. *Bachelor's Degree (NTA Level 7-8) in Shipping and Port Logistics Management Programme*

8.5.1.2.1. *Higher Diploma (NTA Level 7) in Shipping and Port Logistics Management*

(a) Purpose of the Qualification

This qualification is intended for a person who will be able to perform a broad range of activities comprising managerial activities.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 07105	Shipping Operations Management	12
2.	SPU 07106	Maritime Safety and Security	12
Fundamental Modules			
3.	SPU 07101	Business Communication Skills	9
4.	SPU 07102	Computer Applications	9
5.	SPU 07103	Business Mathematics and Statistics	9
6.	SPU 07104	Organizational behaviour	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 07210	Port performance and Competition	9
2.	SPU 07211	Strategic Management and Cooperate Maritime Strategy	12
3.	SPU 07212	Fleet Management	9
4.	SPU 07213	Maritime Transport Management	9
Fundamental Modules			
5.	SPU 07207	Human Resource Management	9
6.	SPU 07208	Research Methodology	9
7.	SPU 07209	Entrepreneurship Skills	6
Total Credits			63

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 07316	Industrial Practical Training	12
2.	SPU 07317	Customs Procedures and Shipping Documentation	12
3.	SPU 07318	Law of Business and Carriage	9
4.	SPU 07319	Maritime Insurance	12
Fundamental Modules			
5.	SPU 07314	Warehousing Management	9
6.	SPU 07315	Development Studies	9
Total Credits			63

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 07422	Shipping and Port Finance	12
2.	SPU 07423	Maritime Economics	9
3.	SPU 07424	Maritime Legislation	12
4.	SPU 07425	Shipping and Port Marketing	12
Fundamental Modules			
5.	SPU 07420	Quantitative Methods	9
6.	SPU 07421	Procurement Management	9
Total Credits			63

(c) Award

On successful completion of the programme, a candidate who wishes to exit is awarded the Higher Diploma in Shipping and Port Logistics Management of the National Institute of Transport.

8.5.1.2.2. Bachelor's Degree (NTA Level 8) in Shipping and Port Logistics Management**(a) Purpose of the Qualification**

This qualification is intended for a person who will perform a broad range of activities comprising of managerial activities.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 08102	Maritime Risk Management	9
2.	SPU 08103	International Logistics and Supply Chain Management	9
3.	SPU 08104	Port and Terminal Operations Management	12
4.	SPU 08105	Maritime Environment and Sustainability	9
5.	SPU 08106	Industrial Practical Training	12
Fundamental Modules			
6.	SPU 08101	Business Ethics and Good Governance	12
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPU 08208	Transport Management Control System	6
2.	SPU 08209	Integrated Transport Systems	6
3.	SPU 08210	Inventory Management	12
4.	SPU 08211	Handling of Dangerous Goods	12
5.	SPU 08212	Port Planning and Designing	12
6.	SPU 08213	Research Project	12
Fundamental Modules			
7.	SPU 08207	Total quality Management	6
Total Credits			66

(c) Award

On successful completion of the programme, candidate is awarded the Bachelor's Degree (NTA Level 8) in Shipping and Port Logistics Management of the National Institute of Transport.

8.5.1.3. Ordinary Diploma (NTA Level 4-6) in Shipping and Port Logistics Operations Programme

8.5.1.3.1. Basic Technician Certificate (NTA Level 4) in Shipping and Port Logistics Operations

(a) Purpose of Qualifications

This qualification is intended for persons who will be able to perform routine or basic Shipping and Port Logistics activities in maritime industry.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 04104	Basics of Logistics and Transport	12
2.	SPT 04105	Basics of Shipping Operations	12
3.	SPT 04106	Shipping Knowledge	9
4.	SPT 04107	Basics of Maritime Environment	9
Fundamental Modules			
5.	SPT 04101	Basics of Accounting	6
6.	SPT 04102	Basics of Computer Applicants	9
7.	SPT 04103	Basic Business Communication Skills	9
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 04211	Basics of Port Operations	12
2.	SPT 04212	Basics of Freight Operations	9
3.	SPT 04213	Elements of International Trade	9
4.	SPT 04214	Elements of Business Law	9
Fundamental Modules			
5.	SPT 04208	Basic of Customer Services	9
6.	SPT 04209	Basic Business Mathematics	9
7.	SPT 04210	Basic of Entrepreneurship	6
Total Credits			63

(c) Awards

Candidate who successful completed the programme and wishes to exit is awarded the Basic Technician Certificate in Shipping and Port Logistics Operations of the National Institute of Transport.

8.5.1.3.2. Technician Certificate (NTA Level 5) in Shipping and Port Logistics Operations

(a) Purpose of the Qualification

This qualification is intended for persons who will perform routine and non - routine Shipping and Port Logistics activities in shipping and port Logistics services providers and production and manufacturing companies.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 05103	Shipping operations	12
2.	SPT 05104	Warehousing Operations	12
3.	SPT 05105	Customs and Other Government Departments (OGDs) Procedures and Regulations	12
4.	SPT 05106	Element of Fleet Management	9
5.	SPT 05107	Industrial Practical Training	12
Fundamental Modules			
6.	SPT 05101	Principles of Entrepreneurship	6
7.	SPT 05102	Computer Applications	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 05211	Port and Terminal Operations	12
2.	SPT 05212	Basics of Maritime Legislations	6
3.	SPT 05213	Elements of Maritime Safety and Security	12
4.	SPT 05214	Principles of Physical Distribution	9
Fundamental Modules			
5.	SPT 05208	Basic Business Statistics	9
6.	SPT 05209	Principles of Accounting	9
7.	SPT 05210	Business Communication Skills	9
Total Credits			66

(c) Awards

Candidate who successful completed the programme and wishes to exit is awarded the Technician Certificate in Shipping and Port Logistics Operations of the National Institute of Transport.

8.5.1.3.3. Ordinary Diploma (NTA Level 6) in Shipping and Port Logistics Operations

(a) Purpose of the Qualification

This qualification is intended for persons, who will perform a broad range of activities comprising of non-routine.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 06104	Transport Geography	9
2.	SPT 06105	Maritime Logistics	6
3.	SPT 06106	International Trade Law	12
4.	SPT 06107	Industrial Practical Training	12
Fundamental Modules			
5.	SPT 06101	Cost Accounting	6
6.	SPT 06102	Principles of Management	9
7.	SPT 06103	Principles of Economics	9
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SPT 06210	Marine Insurance and Salvage	9
2.	SPT 06211	Port Technology	12
3.	SPT 06212	Professional Ethics	6
4.	SPT 06213	Principles of Maritime Economics	9
5.	SPT 06214	Basics of Occupational Health and Safety	12
Fundamental Modules			
6.	SPT 06208	Development Studies	6
7.	SPT 06209	Maritime Mathematics and Statistics	9
Total Credits			63

(c) **Awards**

Candidate who successfully completed the programme is awarded the Ordinary Diploma in Shipping and Port Logistics Operations of the National Institute of Transport.

8.5.1.4. *Bachelor's Degree(NTA Level 7-8) in Customs and Freight Forwarding Management Programmes*

8.5.1.4.1. *Higher Diploma (NTA Level 7) in Customs and Freight Forwarding Management*

(a) **Purpose of the Qualification**

The holder of this qualification will demonstrate competence in executing managerial duties with minimal supervision and contribute to the improvement of organisational performance through the application of technical knowledge, leadership, and decision-making skills in a dynamic work environment.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 07101	Freight Clearing and Forwarding Management	12
2.	CFU 07102	Customs Management	12
3.	CFU 07103	Transport Safety and Security	9
4.	CFU 07104	Port and Terminal Management	12
Fundamental Modules			
5.	CFU 07105	Business Information Systems Application	6
6.	CFU 07106	Business Statistics	6
7.	CFU 07107	Business Communication Skills	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 07208	Customs Law	12
2.	CFU 07209	Global Trade Practices and Strategies	12
3	CFU 07210	Procurement Management	12
Fundamental Modules			
3.	CFU 07211	Human Resource Management	6
4.	CFU 07212	Managerial Economics	6
5.	CFU 07213	Strategic Management and Corporate Strategy	6
6	CFU 07214	Development Studies	6
Total Credits			60

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 07315	Customs Valuation and Rules of Origin	12
2.	CFU 07316	Tax Management	12
3.	CFU 07317	Maritime Transport Management	9
4.	CFU 07318	Integrated Transport Systems	12
	CFU 07320	Road and Rail Transport Management	6
	CFU 07321	Industrial Practical Training	12
Fundamental Modules			
5.	CFU 07319	Freight Forwarding Marketing	6
Total Credits			57

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 07422	Customs Procedures and Freight Documentations	12
2.	CFU 07423	Customs Tariff Nomenclature	12
3.	CFU 07424	Law of Business and Carriage of Goods	9
4.	CFU 07425	Inventory and Warehouse Management	9
Fundamental Modules			
3.	CFU 07426	Transport Accounting and Finance	6
4.	CFU 07427	Quantitative Methods	6
5.	CFU 07428	Research Methodology	6
Total Credits			60

(c) Award

On successful completion of the programme, a candidate is awarded the Higher Diploma in Customs and Freight Forwarding the National Institute of Transport.

8.5.1.4.2. Bachelor's Degree (NTA Level 8) in Customs and Freight Forwarding Management

(a) Purpose of the Qualification

This qualification is intended for individuals who will perform a wide range of activities involving the management and coordination of customs and freight forwarding operations. It prepares graduates to apply relevant principles and practices in planning, supervising, and overseeing operational tasks, ensuring compliance with customs and trade regulations, coordinating teams, and supporting decision-making processes to enhance the efficiency and effectiveness of customs and freight forwarding services.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 08101	Handling of Dangerous Goods	12
2.	CFU 08102	Air Transport Management	12
3.	CFU 08103	Risk Management	12
Fundamental Modules			
4.	CFU 08104	Business Ethics	9
5.	CFU 08105	Entrepreneurship Skills	9
6.	CFU 08106	Industrial Practical Training	6
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFU 08207	Transport Insurance	9
2.	CFU 08208	International Logistics	9
3.	CFU 08209	Strategic Supply Chain Management	9
4.	CFU 08212	Green Logistics	9
5.	CFU 08213	Research Project	12
Fundamental Modules			
6.	CFU 08210	Total Quality Management	9
7.	CFU 08211	Business Consulting Skills	9
Total Credits			66

(c) Award

On successful completion of the programme, a candidate is awarded the Bachelor's Degree in Customs and Freight Forwarding the National Institute of Transport.

8.5.1.5. Ordinary Diploma (NTA Level 4-6) in Customs and Freight Forwarding Management Programme

8.5.1.5.1. Basic Technician Certificate (NTA Level 4) in Customs and Freight Forwarding Management

(a) Purpose of the Qualification

This qualification is intended for individuals who will perform routine tasks related to Customs and Freight Forwarding operations. Graduates will be able to handle customer inquiries, process various freight clearing documents, and apply basic quantitative techniques and information technology in supporting clerical duties within the Customs and freight forwarding industry.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFT 04101	Basics of Transport	12
2.	CFT 04102	Principles of Taxation	12
3.	CFT 04103	International Trade	12
Fundamental Modules			
4.	CFT 04104	Basics Business Communication	9
5.	CFT 04105	Computer Applications	9
6.	CFT 04106	Basics of Accounting	6
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFT 04207	Customs and Freight Forwarding	12
2.	CFT 04208	Customs Guidelines	12
3.	CFT 04209	Freight Forwarding Marketing	12
Fundamental Modules			
4.	CFT 04210	Basics of Entrepreneurship	9
5.	CFT 04211	Business Mathematics	15
6.	CFT 04212	Office Practice in Logistics	12
Total Credits			60

(c) Award

On successful completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Customs and Freight Forwarding Management of the National Institute of Transport.

8.5.1.5.2. Technician Certificate (NTA Level 5) in Customs and Freight Forwarding Management

(a) Purpose of the Qualification

This qualification is designed for individuals responsible for managing Customs and Freight Forwarding operations, ensuring efficient utilisation of the operational fleet, maintaining compliance with safety and security regulations, and supervising Customs and Freight Forwarding operational systems.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFT 05101	Customs in International and National Context	12
2.	CFT 05102	Freight Documentation	12
3.	CFT 05103	Logistics and Transport Operations	12
Fundamental Modules			
4.	CFT 05104	Principles of Entrepreneurship	6
5.	CFT 05105	Information and Communication Technology	9
6.	CFT 05106	Principles of Accounting	9
7.	FCT 05103	Industrial Training	12
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFT 05208	International Customs Tariff Nomenclature	12
2.	CFT 05209	Customs Procedures	9
3.	CFT 05210	Customs Law	9
4.	CFT 05211	Principles of Physical Distribution	9
5	CFT 05212	Warehousing Operations	9
6	CFT 05208	International Customs Tariff Nomenclature	12
Fundamental Modules			
5.	CFT 05213	Business Communication	6
6.	CFT 05214	Business Mathematics and Statistics	6
Total Credits			60

(c) Award

On successful completion of the programme, a candidate who wishes exit is awarded the Technician Certificate in Customs and Freight Forwarding Management of the National Institute of Transport.

8.5.1.5.3. *Ordinary Diploma (NTA Level 6) in Customs and Freight Forwarding Management*

(a) Purpose of the Qualification

This qualification is designed for individuals who will perform a broad range of operational and supervisory functions within customs and freight forwarding management. These functions include documentation and compliance, cargo handling and logistics coordination, cargo declaration, cargo safety and security, claim management, fleet management, risk management, customs brokerage, financial oversight, and customer service management.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	CFT 06101	Customs Enforcement, Compliance and Trade Facilitation	12
2.	CFT 06102	Transport Geography	9
3.	CFT 06105	Freight Insurance and Salvage	9
4.	CFT 06106	Dangerous Goods and Special Cargo Handling	12
5.	CFT 06107	Industrial Practical Training	12
Fundamental Modules			
5.	CFT 06103	Customs Information Communication Technology	6
6.	CFT 06104	Business Law	6
Total Credits			57

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1	CFT 06208	Port and Airport Operations	12
2	CFT 06208	Port and Airport Operations	12
3	CFT 06213	Legal Aspects of Freight Forwarding	12
Fundamental Modules			
4	CFT 06210	Principles of Management	9
5	CFT 06211	Management Accounting	9
6	CFT 06212	Principles of Economics	9
Total Credits			63

(c) Award

On successful completion of the programme, a candidate is awarded the Ordinary Diploma in Customs and Freight Forwarding the National Institute of Transport.

8.5.1.6. Academic Staff

Head of Department

Mr. Epimachus M. Burchard MSc in Maritime Affairs (Shipping Management and Logistics) (World Maritime University, Malmo - Sweden), BLTM – NIT

Examination Coordinator

Mr. Michael P. Chuwa MSc. International Transport and Logistics – (UDSM), BBA in Procurement and Logistics Management – (MU), CPSP (T)-(PSPTB).

Professors

Prof. Dr. Erick P. Massami PhD in Logistics Engineering and Management – (DMU, China), Mphil. in Maritime Studies – (Stellenbosch University. S.A), BPhil Cum-Laude Maritime Studies - (Stellenbosch University, S.A), BSc. Ed. Hons – (UDSM), Member IoDT, FCILT

Assistant Lectures

Mr. Epimachus M. Burchard MSc in Maritime Affairs (Shipping Management and Logistics) (World Maritime University, Malmo - Sweden), BLTM – NIT.

Ms. Rehema S. Mzee MSc. in Logistics Engineering and Management - (Dalian Maritime University-China), BLTM – (NIT), Member CILT.

Ms. Grace Mmari	MBA in Logistics and Transport – (OUT), PGDBA – (CBE), BSLM – (DMI), ADTM – (NIT), Dip Education– (Dar es Salaam T.T).
*Mr. Cathbert Mayange	MSc. In international Transport and Logistics – (UDSM), BFCF – (NIT)
Mr. Strimius S. Kahangwa	International Transport and Logistics – (UDSM), BFCF – (NIT), Dip in Education– (Marangu T.T.C).
Mr. Mathew E. Swila	MSc. International Logistics and Port Management (Pusan National Management University, South Korea), BLTM– (NIT).
*Ms Eliyusta Haule	MSc in Shipping Economics and Logistics Management (DMI)- BSLM-DMI

Tutorial Assistant

Mr. Limbu Machungwa	BLTM – NIT
Ms Epifania B Chapewa	BSPLM-NIT
Ms Maureen Kirama	BSLM-DMI
Mr Sudi J Bandula	BSLM-DMI

Tutor II

Silvester W Mwamsyani	BSPLM-NIT
Hemedi M Klindo	BSPLM-NIT
Deogratius A Lwimo	BSLM-DMI
Lucky L Lwigisha	BCTM-ITA
Luckresia J Marere	BCTM-ITA

* On study Leave

8.5.2. Department of Marine, Oil and Gas Engineering

The Department is responsible for planning, organizing and conducting of engineering related programmes. The Department has endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the engineering field. It creates an intellectual forum for various disciplines of Shipbuilding and Repair and Oil and Gas. Currently the Department is conducting the Bachelor's Degree (NTA Level 7-8), Ordinary Diploma (NTA Level 6) and Certificate (NTA Level 4-5) Programmes.

8.5.2.1. Ordinary Diploma (NTA Level 4-6) in Shipbuilding and Repair Programme

8.5.2.1.1. Basic Technician Certificate (NTA Level 4) in Shipbuilding and Repair

(a) Purpose of Qualifications

This qualification is intended for persons who will perform routine shipbuilding and repair activities such as welding, painting, cutting, bending etc.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 04104	Ship Knowledge and Equipment	9
2.	SRT 04105	Shipyard Layout and Safety	9
3.	SRT 04106	Basic Engineering Science	6
4.	SRT 04107	Basic Ship Structure	6
5.	SRT 04108	Basic Material Technology	6
6.	SRT 04109	Basic Marine Electrical and Electronics	6
Fundamental Modules			
7.	SRT 04101	Maritime communicative English	6
8.	SRT 04102	Basic Mathematics	9
9.	SRT 04103	Basic Computer Knowledge	6
Total Credits			75

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 04212	Heavy Lift Operations	6
2.	SRT 04213	Marine Painting Technology	9
3.	SRT 04214	Basic Ship Construction	9
4.	SRT 04215	Basic Welding Practice	9
5.	SRT 04216	Basic Ship Stability	6
6.	SRT 04217	Basic Engineering Drawing	9
7.	SRT 04218	Basic Workshop Technology	6
Fundamental Modules			
8.	SRT 04210	Basics of Entrepreneurship	6
9.	SRT 04211	Basic Engineering Mathematics	9
Total Credits			69

(c) Award

On successfully completion of the programme a candidate who wishes to exit is awarded the Basic Technician Certificate in Shipbuilding and Repair of the National Institute of Transport.

8.5.2.1.2. Technician Certificate (NTA Level 5) in Shipbuilding and Repair

(a) Purpose of the Qualification

This qualification is intended for persons who will perform routine and non-routine shipbuilding and repair activities such as maintenance, troubleshooting, repair, and component replacement of ship design and construction, hydraulic and related powered equipment.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 05103	Fluid Mechanics	9
2.	SRT 05104	Basic Computer Aided Drafting and Application	9
3.	SRT 05105	Foundry Technology	9
4.	SRT05106	Marine Electro-Technology	6
5.	SRT 05107	Basics of Ship Vibration	6
6.	SRT 05108	Shipyards Field Attachment	12
Fundamental Modules			
7.	SRT 05101	Basic Computer Application	9
8.	SRT 05102	Basic Computing Mathematics	9
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 05212	Ship Construction	6
2.	SRT 05213	Ship Structural Repair	9
3.	SRT 05214	Wooden Boat Technology	6
4.	SRT 05215	Basic Ship Design	6
5.	SRT 05216	Strength of Materials	6
6.	SRT 05217	Rational Mechanics	9
Fundamental Modules			
7.	SRT 05209	Principles of Entrepreneurship	6
8.	SRT 05210	Principle of Procurement and Supply Techniques	6
9.	SRT 05211	Trigonometry and Statistics	9
Total Credits			63

(c) Award

On successful completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Shipbuilding and Repair of the National Institute of Transport.

8.5.2.1.2. Ordinary Diploma (NTA Level 6) in Shipbuilding and Repair

(a) Purpose of the Qualification

This qualification is intended for persons, who will perform a broad range of activities most of which being non- routine. The activities carried are in the fields of maintenance, production, service, and repair. This includes install layout and use machines for manufacturing of engineering components, estimates resources required and apply entrepreneurship and ICT knowledge to solve engineering problems.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 06102	Basics of Ship Hydrodynamics	6
2.	SRT 06103	Ship Propulsion	6
3.	SRT 06104	Composite Material Technology	6
4.	SRT06105	Ship Stability	6
5.	SRT 06106	Ship Structure	6
6.	SRT 06107	Ship Design Methodology	9
7.	SRT 06108	Project Proposal	6
8.	SRT 06109	Marine Diesel Engine and Auxiliary Machinery	6
9.	SRT 06110	Shipyards Field Attachment	12
Fundamental Modules			
10.	SRT 06101	Computing Mathematics Statistics	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 06213	Small Craft Design	6
2.	SRT 06214	Shipyards Project Management	9
3.	SRT 06215	Ship Construction Legislation and Convention	6
4.	SRT 06216	Ship Forms and Model Project	6
5.	SRT 06217	Ship Structural Design	6
6.	SRT 06218	Marine Surveying	6
7.	SRT 06219	Cathodic Protection	6
8.	SRT 06220	Shipyards Planning, Management and Leadership	6
9.	SRT 06221	Project Implementation	9
Fundamental Modules			
10.	SRT 06211	Advanced Computing Mathematics	9
11.	SRT 06212	Development Studies	6
Total Credits			75

(c) Award

Candidate who successfully completed the programme is awarded the Ordinary Diploma in Shipbuilding and Repair of the National Institute of Transport.

8.5.2.2. Ordinary Diploma (NTA Level 4-6) in Pipe works, Oil and Gas Engineering Programme

8.5.2.2.1. Basic Technician Certificate (NTA Level 4) in Pipe works, Oil and Gas Engineering

(a) Purpose of Qualification

This qualification is intended for a person who will carry out repairs and maintenance services of Pipe works, Oil and Gas systems components in state of art technology.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04121	Materials for Pipe works, Oil and Gas Engineering	9
2.	MET 04122	Plumbing Components Preparation and Assembling	12
3.	MET 04123	Fundamentals of Electrical Engineering Science	5
4.	MET 04124	Safe works Practices	9
5.	MET 04125	Fundamentals of Manufacturing Engineering	12
6.	MET 04101	Basics of Engineering Drawing	5
Fundamental Modules			
7.	GST 04101	Algebra and Trigonometry	5
8.	GST 04102	Mechanics and Nuclear Physics	6
9.	GST 04103	English Language Basics	4
Total Credits			67

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 04201	Pictorial, Orthographic and Auxiliary Projections	5
2.	MET 04203	Mechanical Engineering Science	6
3.	MET 04223	Water Service and Distribution Systems Installation	12
4.	MET 04224	Private Sewage Systems Installation	12
5.	MET 04225	Industrial Practical Training	10
Fundamental Modules			
6.	GST 04201	Series and Boolean Algebra	5
7.	GST 04202	Gender and HIV	
8.	GST 04203	Microcomputer Application	6
Total Credits			60

(c) Award

On successfully completion of the programme a candidate who wishes to exit is awarded the Basic Technician Certificate in Pipe works, Oil and Gas Engineering of the National Institute of Transport.

8.5.2.2.2. Technician Certificate (NTA Level 5) in Pipe works, Oil and Gas Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will be able to design, interpret simple engineering drawings including identify problems and related solutions in piping systems, machines and equipment's as well as applying engineering principles in manufacturing, repairing and maintaining piping systems, machines and equipment under supervision. Further to that, they should also be able to apply workshop safety precautions, ICT and entrepreneurship knowledge in solving Pipe Works, Oil and gas engineering problems.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05101	Sectioning, Development and Interpenetration	6
2.	MET 05102	Strength of Materials	4
3.	MET 05103	Welding and Metal Fabrication	12
4.	MET 05104	Basics of Machine Elements and Design	5
5.	MET 05105	Engineering Thermodynamics	4
6.	MET 05106	Low- and High-pressure steam piping systems	12
7.	MET 05107	Fire protection piping systems	7
Fundamental Modules			
8.	GST 05101	Differential and Integration	5
Total Credits			55

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 05206	Detail and Assembly Drawing	6
2.	MET 05208	Fluid Mechanics	3
3.	MET 05211	Hydraulic and Compressed air piping systems	12
4.	MET 05212	Measurements, Instrumentation and Control of piping systems	12
5.	MET 05213	Fuel oil piping systems	12
6.	MET 05214	Industrial Training	10
Fundamental Modules			
7.	GST 05201	Matrices, Complex Numbers and Vectors	5
8.	GST 05202	English Language Skills	4
9.	GST 05203	Basics of Entrepreneurship	4
Total Credits			68

(c) Award

On successfully completion of the programme a candidate who wishes to exit is awarded the Technician Certificate in Pipe works, Oil and Gas Engineering of the National Institute of Transport.

8.5.2.2.3. Ordinary Diploma (NTA Level 6) in Pipe works, Oil and Gas Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will be able to use knowledge and skills in applying Piping and Gas Principles and concepts to carry out Remedies and Supervision on Piping and Gas Industry for both Domestic and Commercial applications.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06101	Fundamentals of 3D Modelling Using Computer Aided Design (CAD) Software	6
2.	MET 06102	Machine Elements and Design	6
3.	MET 06108	Fundamental of Gas Technology	4
4.	MET 06109	Gas Piping, Operation and System Planning	10
5.	MET 06110	Domestic and Commercial Gas Fired Appliances	10
6.	MET 06106	Environmental Engineering	4
7.	MET 06111	Gas Engineering Project - Design	10
Fundamental Modules			
8.	GST 06101	Coordinate Geometry and Differential Equations	6
9.	GST 06102	Correspondence and Report Writing	4
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MET 06208	3D Modelling Using Computer Aided Design Software	10
2.	MET 06214	Solar Thermo Energy Systems	10
3.	MET 06215	Gas Engineering Project - Production	10
4.	MET 06216	Principals of Gas Controls	10
5.	MET 06217	Workplace Management	6
6.	MET 06213	Industrial Practical Training III	10
Fundamental Modules			
7.	GST 06201	Linear Programming, Statistics and Probability	6
8.	GST 06202	Enterprise Management	6
Total Credits			68

(c) Award

On successfully completion of the programme candidate is awarded the Ordinary Diploma in Pipe works, Oil and Gas Engineering of the National Institute of Transport.

8.5.2.3. General Course in Naval Architecture and Marine Engineering

(a) Purpose of Qualification

This qualification is intended for persons who will be able to use knowledge and skills in applying Naval Architecture and Marine Engineering Principles and concepts to carry out Remedies and Supervision on Naval Architecture and Marine Engineering Industry for both Domestic and Commercial applications.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 04104G	Ship Knowledge and Equipment	9
2.	SRT 06103G	Ship Propulsion	6
3.	SRT 06102G	Basics of Ship Hydrodynamics	6
4.	SRT 06105G	Ship Stability	6
5.	SRT 06107G	Ship Design Methodology	9
6.	SRT 04217G	Basic Engineering Drawing	9
7.	SRT 04105G	Shipyards Layout and Safety	9
Fundamental Modules			
8.	SRT 05101G	Basic Computer Applications	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	SRT 06215G	Ship Construction, Legislations & Convention	6
2.	SRT 05104G	Basic Computer Aided Drafting and Application	9
3.	SRT 06216G	Ship Forms and Model Project	6
4.	SRT 06217G	Ship Structural Design	6
5.	SRT 05216G	Strength of Materials	6
6.	SRT 04218G	Basic Workshop Technology	6
7.	SRT 05214G	Wooden Boat Technology	6
8.	SRT 04215G	Basic Welding Practice	9
9.	SRT 04213G	Marine Painting Technology	9
Total Credits			63

8.5.2.4. Bachelor's Degree (NTA Level 7-8) in Naval Architecture and Marine Engineering Programme

8.5.2.4.1. Higher Diploma (NTA Level 7) in Naval Architecture and Marine Engineering

(a) Purpose of Qualification

This qualification is intended for a person, who will acquire knowledge, attitude, skills and transform into practices, work independently in various systems of Naval architecture and Marine engineering underpinning knowledge of ship structure, shipbuilding, shipyard management, propulsion system and auxiliary machinery, marine operation, watchkeeping, marine surveying and marine consultancy as well as maritime administration.

(b) Summary of Module

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 07104	Strength of Materials	9
2.	NMU 07105	Engineering Thermodynamics	9
3.	NMU 07106	Marine Electro-Technology	6
4.	NMU 07107	Ship Structure	6
5.	NMU 07108	Diesel Engine and Auxiliary Machinery	6
6.	NMU 07109	Fluid Mechanics	9
Fundamental Modules			
7.	NMU 07101	Communication Skills	6
8.	NMU 07102	Linear Algebra	6
9.	NMU 07103	Computer Programming with C++	6
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 07203	Cathodic Protection	6
2.	NMU 07204	Shipbuilding Operation	6
3.	NMU 07205	Ship Hydrostatics	9
4.	NMU 07206	Ship Design	6
5.	NMU 07207	Ship Resistant and Propulsion	9
6.	NMU 07208	Hydraulic Systems	6
7.	NMU 07209	Marine Mechatronics	6
8.	NMU 07210	Ship Hull Form Design	9
Fundamental Modules			
9.	NMU 07201	Integral Calculus	6
10.	NMU 07202	Development Studies	6
Total Credits			69

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 07302	Industrial Practical Training	12
2.	NMU 07303	Ship Structure Dynamics	6
3.	NMU 07304	Ship Hydraulics	9
4.	NMU 07305	Marine Construction Materials	6
5.	NMU 07306	Ship Stability	9
6.	NMU 07307	Ship Structure and Scantling	9
7.	NMU 07308	Ship Construction	9
Fundamental Modules			
8.	NMU 07301	Differential Calculus	6
Total Credits			66

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 07403	Small Craft Design	6
2.	NMU 07404	Ship Model Projects	9
3.	NMU 07405	Ship Stress Analysis	9
4.	NMU 07406	Ship Structural Maintenance and Repair	9
5.	NMU 07407	Refrigeration and Air Conditioning	6
Fundamental Modules			
6.	NMU 07401	Probability and Statistics	6
7.	NMU 07402	Research Methodology	6
Total Credits			51

(c) Award

On successful completion of the programme, candidate who wishes to exit is awarded the Higher Diploma in Naval Architecture and Marine Engineering of the National Institute of Transport

8.5.2.4.2. Bachelor's Degree (NTA Level 8) in Naval Architecture and Marine Engineering

(a) Purpose of the Qualification

This qualification is intended for a person, who will acquire knowledge, attitude, skills and transform into practices, work independently in various systems of Naval Architecture and Marine Engineering underpinning knowledge of ship structure, shipbuilding, shipyard management, propulsion system and auxiliary machinery, marine operation, watchkeeping, marine surveying, marine consultancy and assume management responsibilities.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 08102	Oceanography	9
3.	NMU 08103	Ship Energy Optimization	9
4.	NMU 08104	Power Plant	9
5.	NMU 08105	Ship Design Project	12
6.	NMU 08106	Industrial Practical Training	12
Fundamental Modules			
7.	NMU 08101	Law for Engineers	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	NMU 08202	Shipyards Management	9
2.	NMU 08203	Maritime Safety and Environment	9
3.	NMU 08204	Economics of Shipbuilding and Repair	9
4.	NMU 08205	Marine Surveying	9
5.	NMU 08206	Ship Manufacturing and Assembling	9
6.	NMU 08207	Shipbuilding Project	12
Fundamental Modules			
7.	NMU 08201	Entrepreneurship Skills	6
Total Credits			63

(c) Award

On successful completion of the programme, a candidate is awarded the Bachelor's Degree (NTA Level 8) in Naval Architecture and Marine Engineering of the National Institute of Transport.

8.5.2.5. Academic Staff**Head of Department****Mr. Khamis F. Hamadi**

MsEng. in Naval Architecture and off shore structure (USTO-MB), Bachelor of Eng in naval architecture and ship construction (USTO-MB Algeria).

Examination Officer**Mr. Abdul S. Umade**

Master's Degree in Marine Engineering-(DMI), Bachelor Degree in Marine Engineering Technology - (DMI).

Assistant Lecturers

Mr. Emmanuel M. Buberwa	MSc. in Pipelines Technology – (University of Science and Technology Oran, Algeria), BSc. Mining and Metallurgical Engineering – (University of Science and Technology Oran, Algeria).
Mr. Khamis F. Hamadi	MsEng. in Naval Architecture and off shore structure (USTO-MB), Bachelor of Eng in naval architecture and ship construction - (USTO-MB Algeria).
Mr. Khalifa Hamisi	MSc. in Oil and Natural Gas Engineering -(CUG- China), Bsc Mechanical Engineering – (MUST).
*Mr. Johnson J. Kasali	MSc. Oil and Natural Gas Engineering (China University of Geosciences – Wuhan), BSc. Electro – Mechanical-(UDSM).
Mr. Joseph Luanda	Master of Sciences and Technology in Mining and Metallurgy -(Oran), Bachelor of Sciences and Technology in Marine Engineering - (Oran).
Mr. Dauson Nyonyi	Master of Technology in Marine Engineering and Mechanical Handling (Andra) Adv. Diploma in Marine Engineering Technology (DMI), PGD in Transport Engineering (NIT).
Mr. Abdul S. Umande	Master’s Degree in Marine Engineering-DMI, Bachelor Degree in Marine Engineering Technology - (DMI).
*Eng. Birungi J. Kironde	Master of Engineering in Oil and Natural Gas Engineering(China University of Petroleum of Geoscience, Wuhan), Bachelor’s of Science in Electro-Mechanical Engineering (UDSM) Bachelor of Science in Electro-Mechanical Engineering
Mr. Soah M. Nkungu	Msc in Engineering Management (University of Debrecen, Hungary)Bachelor Degree in Marine Engineering Technology (DMI)

Tutorial Assistant

Mr. Humudi Ally Mohamed	Bachelor Degree in Marine Engineering Technology-(DMI), Ordinary Diploma in Automobile Engineering-(NIT)
Mr. Alexander Gosbert Salvatory	Bachelor of Sciences in Petroleum Engineering (The University of Dodoma)
Mr. Shadrack Paul Kasabago	Bachelor of Technology in Petroleum engineering (K L University, India)
Ms. Kissa Hezron Mwatebela	Bachelor of science in Petroleum engineering (UDSM)

Tutors

Mr. Bartholomew P. Mbuya	Bachelor Degree in Marine Engineering Technology -(DMI)
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Mr. Erick D. Msuya	Bachelor Degree in Marine Engineering Technology-(DMI)
Mr. Seleman Silas Mnyema	Bachelor Degree in Marine Engineering Technology-(DMI)
<i>Lab technicians</i>	
Mr. Ndugu M. Mwanzalima	Ordinary Diploma in Shipbuilding and Repair-(NIT)
Mr. Macmillan V. Kimambo	Ordinary Diploma in Pipework, oil and gas engineering-(NIT)
Mr. Hussein Y. Masoud	Ordinary Diploma in Pipeworks, Oil and Gas Engineering-(ATC)

** On study Leave*

8.6. FACULTY OF AVIATION TECHNOLOGY

The Faculty of Aviation Technology is responsible for planning, organizing and conducting aviation related programmes. The Faculty of Aviation Technology has endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the field of aviation. It creates an intellectual forum for various disciplines of aircraft maintenance engineering, flying for pilots and cabin crew, flight operations, airport operations, ground handling, air transport management, and travel and tourism services. Currently, the Faculty of Aviation Technology has two departments namely Department of Aeronautical Engineering and Department of Flying and Operations Management.

8.6.1. Department of Aeronautical Engineering

The Department of Aeronautical Engineering conducts Aviation long courses including a Bachelor's Degree in Aircraft Maintenance Engineering (NTA Level 7-8) and Diploma in Aircraft Maintenance Engineering (NTA Level 4 – 6), which are run by the Institute under Tanzania Civil Aviation Authority (TCAA). Courses are developed and conducted basing on the applicable on industry requirements and regulatory requirements.

8.6.1.1. General Course in Aircraft Maintenance Engineering

(a) Purpose of Qualification

This qualification is intended for a person, who will acquire knowledge, attitude, skills of Engineering and transform them into practices, work independently in various sections of Aircraft Maintenance Engineering and Operation. This will give the student the required minimum entry qualification to NTA Level 7 I.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 4112G	Basic Aerodynamics	9
2.	AMT 4113G	Workshop Practice	12
3.	AMT 4211G	Aircraft Structure	6
4.	AMT 4212G	Piston Engine	6
5.	AMT 4214G	Aircraft Gas Turbine Engine	6
6.	AMT 5211G	Aircraft Equipment and Furnishings	9
7.	AMT 5110G	Aircraft Fuel Systems	9
8.	AMT 5115G	Ice and Rain Protection Systems	6
Fundamental Modules			
9.	AMT 4209G	Basic Computer Applications	6
10.	AMT 6107G	Human Factor	9
11.	AMT 5215G	Air Law	3
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 5104G	Engine Lubrication and Cooling Systems	6
2.	AMT 5105G	Engine Fuel Control and Induction Systems	6
3.	AMT 5106G	Engine Ignition and Starting Systems	6
4.	AMT 5201G	Aircraft Electrical Systems	6
5.	AMT 5202G	Aircraft Instruments Systems	6
6.	AMT 5209G	Engine Instruments Systems	9
7.	AMT 5210G	Aircraft Flight Control Systems	6
8.	AMT 6109G	Radio Navigation and Communication	9
9.	AMT 5212G	Aircraft Environment Systems	9
10.	AMT 5114G	Fire Detection and Protection	9
Fundamental Modules			
11.	AMT 6101G	Air Regulations	3
Total Credits			81

8.6.1.2. Bachelor's Degree (NTA Level 7-8) in Aircraft Maintenance Engineering

The programme comprises two levels – Higher Diploma (NTA Level 7) and Bachelor's Degree (NTA Level 8). Higher Diploma has 4 Semesters (equivalent to 2 years) and Bachelor's Degree has 2 Semesters (equivalent to 1 year). Therefore, (NTA Level 7) is an entry qualification to (NTA Level 8).

8.6.1.2.1. Higher Diploma (NTA Level 7) in Aircraft Maintenance Engineering

(a) Purpose of the Qualification

This qualification is intended to persons, who will conduct a variety of aircraft engineering activities including design of aircraft, components, tools, maintenance equipment as well as organizing and directing the maintenance of the same in collaboration with other specialists in compliance with the technological changes.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 07114	Fluid Mechanics	6
2.	AMU 07115	Electrical and Electronic Fundamentals	6
3.	AMU 07116	Digital Techniques	9
4.	AMU 07117	Aircraft Materials Process and Hardware	9
5.	AMU 07118	Manual Engineering Drawing	6
Fundamental Modules			
7.	AMU 07112	Linear Algebra	6
8.	AMU 07113	Technical Communication Skills	6
9	AMU 07119	Programming Principles	9
Total Credits			51

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 07216	2D Engineering Graphics	6
2.	AMU 07217	Aerodynamics	9
	AMU 07220	Aircraft Gas Turbine Engine Maintenance	9
	AMU 07221	Aircraft Reciprocating Engine Maintenance	9
Fundamental Modules			
3.	AMU 07214	Integral Calculus	6
4.	AMU 07215	Development Studies	6
5.	AMU 07218	Strength of Materials	9
6.	AMU 07219	Advanced Engineering Thermodynamics	9
Total Credits			63

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 07314	Industrial Practical Training	12
2.	AMU 07315	Applied Mechanics	9
3.	AMU 07316	Composite Materials	9
4.	AMU 07317	Aircraft Wooden Structure	6
5.	AMU 07318	Aircraft Fabric	6
6.	AMU 07319	Hydraulic and Pneumatic Systems	9
Fundamental Modules			
7.	AMU 07313	Differential Calculus	6
Total Credits			54

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 07416	3D Engineering Graphics	9
2.	AMU 07417	Aircraft Landing Gear Systems	9
3.	AMU 07418	Aircraft Propeller Systems	9
4.	AMU 07419	Flight Management Systems	9
5.	AMU 07420	Aeroplane Structure	9
6.	AMU 07421	Helicopter Structure and Systems	9
7.	AMU 07422	Human Factor	
Fundamental Modules			
8.	AMU 07414	Probability and Statistics	6
9.	AMU 07415	Research Methodology	6
Total Credits			72

(c) Award

On successful completion of the course, a candidate who wishes to exit is awarded the Higher Diploma in Aircraft Maintenance Engineering of the National Institute of Transport.

*8.6.1.2.2. Bachelor's Degree (NTA – Level 8) in Aircraft Maintenance Engineering***(a) Purpose of the Qualification**

This qualification is intended to persons, who will independently integrate Aircraft Maintenance engineering principles in variety of activities and establish and use criteria to judge processes and outcomes.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 08101	Helicopter Aerodynamics, structures and Systems	12
2.	AMU 08102	Aircraft Maintenance Planning and Management	9
3.	AMU 08103	Aeroplane Aerodynamics, structures and Systems	12
4.	AMU 08104	Aircraft Troubleshooting Technique	9
5.	AMU 08105	Industrial Practical Training	12
6.	AMU 08106	Project Phase I	9
Fundamental Modules			
9.	GSU 08101	Research Methodology	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMU 08201	Project Phase II	33
2.	AMU 08202	Internship	27
Total Credits			60

(c) Award

On successfully completion of the programme, a candidate is awarded the Bachelor's Degree in Aircraft Maintenance Engineering of the National Institute of Transport.

8.6.1.3. Ordinary Diploma (NTA Level 4-6) in Aircraft Maintenance Engineering Programme

8.6.1.3.1. Basic Technician Certificate (NTA Level 4) in Aircraft Maintenance Engineering

(a) Purpose of the Qualification

This qualification is intended for a person who will perform simple and routine aircraft maintenance under full supervision.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 04112	Basic Aerodynamics	9
2.	AMT 04113	Workshop Practice	12
3.	AMT 04114	Aircraft Materials and Hardware	9
Fundamental Modules			
4.	AMT 04101	Aviation Mathematics	6
5.	AMT 04102	Aviation Physics	9
6.	AMT 04103	Aviation Chemistry	6
7.	AMT 04109	Basic Engineering Drawing	9
8.	AMT 04110	Basic Communication Skills	6
9.	AMT 04115	Electrical Fundamentals	9
Total Credits			75

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 04211	Aircraft Structure	6
2.	AMT 04212	Piston Engine	6
3.	AMT 04213	Aircraft Propellers	6
4.	AMT 04214	Aircraft Gas Turbine Engine	6
Fundamental Modules			
6.	AMT 04207	Electronics Fundamentals	9
7.	AMT 04208	Engineering Materials	6
8.	AMT 04209	Basic Computer Applications	6
9.	AMT 04210	Digital Techniques	6
Total Credits			51

(c) **Award**

A candidate who successfully completes the programme and wishes to exit is awarded the Basic Technician Certificate in Aircraft Maintenance Engineering of the National Institute of Transport.

8.6.1.3.2. Technician Certificate (NTA Level 5) in Aircraft Maintenance Engineering

(a) **Purpose of the Qualification**

This qualification is intended for a person who will perform a range of activities some of which are non-routine engineering works in different types of aircraft. The works include maintenance, regular checks, troubleshooting, repair, and component replacement of all mechanical, hydraulic, electrical, and related powered equipment on an aircraft.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 05104	Engine Lubrication and Cooling Systems	6
2.	AMT 05105	Engine Fuel Control and Induction Systems	9
3.	AMT 05106	Engine Ignition and Starting Systems	6
4.	AMT 05110	Aircraft Fuel Systems	9
5.	AMT 05111	Aircraft Hydraulic and Pneumatic Systems	6
6.	AMT 05112	Industrial Practical Training	12
7.	AMT 05114	Aircraft Flight Control Systems	6
8.	AMT 05115	Aircraft Landing Gear Systems	9
Fundamental Modules			
9.	AMT 05113	Principles of Entrepreneurship	6
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 05201	Aircraft Electrical Systems	6
2.	AMT 05202	Aircraft Instruments Systems	6
3.	AMT 05209	Engine Instruments Systems	9
4.	AMT 05210	Fire Detection and Protection	9
5.	AMT 05211	Aircraft Equipment and Furnishings	9
6.	AMT 05212	Aircraft Environment Systems	9
7.	AMT 05213	Ice and Rain Protection Systems	6
8.	AMT 05214	Computer Aided Drafting	6
Fundamental Modules			
	AMT 05215	Air Law	3
Total Credits			63

(c) Award

A Candidate who successfully completes the programme and wishes to exit is awarded the Technician Certificate in Aircraft Maintenance Engineering of the National Institute of Transport.

*8.6.1.3.3. Ordinary Diploma in Aircraft Maintenance Engineering***(a) Purpose of the Qualification**

This qualification is intended for a person who will be able to perform a broad range of activities most of which are non-routine. Such activities include overhaul and modifications, production, service and repair, installation, estimation of resources required in maintaining an aircraft.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 06108	Aircraft Maintenance Planning and Management	9
2.	AMT 06109	Radio Navigation&Communication	9
3.	AMT 06110	Aircraft Maintenance and Repa	12
4.	AMT 06111	Power Plant Maintenance and Repair	12
5.	AMT 06112	Project Proposal	9
6.	AMT 06113	Industrial Practical Training	12
Fundamental Modules			
7.	AMT 06101	Air Law and Regulations	6
8.	AMT 06107	Human Factor	9
9.	AMT 06114	Development Studies	6
Total Credits			84

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	AMT 06210	Internship	30
2.	AMT 06211	Project Implementation	12
Total Credits			42

(c) Award

On successfully completion of the programme, candidates are awarded the Ordinary Diploma in Aircraft Maintenance Engineering of the National Institute of Transport.

8.6.1.4 Academic Staff**Head of Department****Mr. Castory G. Njako**

Associate Degree in Aircraft Maintenance technology – (NAA), Basic Aircraft Maintenance Engineers Licence (EASA), BAME– (NIT), DAE – (NIT), Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Crew Resource Management Train of Trainer – (AFRAA).

Examination Coordinator**Mr. Honest E. Mrosso**

BAME – (NIT), Quality Management System Train of Trainer – (AFRAA).

Assistant Lecturers**Mr. Frank P. Kapombe**

MSc. in Airplanes and Helicopters Design – (Kharkov National Aerospace University – Ukraine), BSc. in Aeronautics and Astronautics Engineering – (Kharkov

National Aerospace University– Ukraine). Safety Management System (SMS) IATA, Human Factor in Ground operation, Crew Resource Management (CRM), Instruction Technique (IT) IATA, Quality Management System (SMS) IATA

***Ms Merina A. Mwasandube** MSc. in Flight Vehicle Design – (Nanjing University of Aeronautics and Astronautics), BSc. in Aeronautical Engineering (Aircraft Manufacturing) – (Shenyang Aerospace University - China), Human Factors Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Instructional Techniques Train of Trainer – (AFRAA).

***Mr. Edwin W. Isidory** MSc. in Aerospace Vehicle Design specialized in Avionic Systems Design – (Cranfield University - UK), BSc. in Electronic Science and Communication – (UDSM).

Tutorial Assistants

***Mr. Abubakar K. Noor** BSc. in Aeronautics (Aircraft Propulsion) – (University of Blida, Algeria), Quality Management Systems (QMS) for Civil Aviation Authority (CAA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations-(IATA), Aviation Internal Auditor-(IATA), Human Factors Train of Trainer – (AFRAA).

Mr. Honest E. Mrosso BAME – (NIT), Quality Management System Train of Trainer – (AFRAA).

Mr. Ahmed A. Mohamed Associate Degree in Aircraft Maintenance technology – (NAA), (NAA), Basic Aircraft Maintenance Engineers Licence (EASA), Bsc. in Aeronautical Engineering (Aircraft Manufacturing) – (Shenyang Aerospace University, China), Ordinary Diploma in Aircraft Maintenance Engineering – (Regional Aviation College), Instructional Technics – (IATA), Human Factor on Ground Operation – (IATA)

Mr. Said J. Maulid BAME – (NIT), Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA).

Mr. Makame A. Hamad BAME – (NIT), Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Crew Resource Management Train of Trainer – (AFRAA).

Aircraft Maintenance Instructors

Mr. Castory G. Njako Associate Degree in Aircraft Maintenance technology – (NAA), Basic Aircraft Maintenance Engineers Licence (EASA), BAME– (NIT), DAE – (NIT), Quality

- Mr. Ayubu M. Kedmundi** Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Crew Resource Management Train of Trainer – (AFRAA).
BAME– (NIT), Dip in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia).
- Ezra Ntahondi** Bachelor Degree in Aeronautical Engineering (Aircraft Manufacture), Shenyang University China, Maintenance Human Factor Trainer the Instructor (MHFT) AFRAA, Safety Management System (SMS) AFRAA.
- Mr. Gideonamani A. Marress** Bachelor Degree in Organization of Aircraft Maintenance and Repair – (St. Petersburg State University of Civil Aviation, Russia), Dip in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia).
- Laboratory Technician*
- Ms. Samira A. Said** DAME – (NIT). Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Safety Management System – (IATA), Quality Management System – (IATA). Aviation Internal Auditor – (IATA).
- *Mr. Brian B. Kahwa** Dip. in Electronics and Telecommunication Engineering – (MUST)

Aircraft Maintenance Technicians

- Mr. Samwel R Ophoro** DAME – (NIT), Dip in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia), Aircraft Maintenance Engineers Licence – (TCAA, Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Human Factors Train of Trainer – (AFRAA), Instructional Techniques Train of Trainer – (AFRAA).
- Mr. Masoud H. Ali** DAME – (NIT), Dip in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia) Aircraft Maintenance Engineers Licence – (TCAA), Safety Management System – (IATA), Quality Management System – (IATA). Aviation Internal Auditor – (IATA), Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Human Factors Train of Trainer – (AFRAA), Instructional Techniques Train of Trainer – (AFRAA).
- Mr. Bakari Y. Ngunde** Dip in Electronics and Telecommunication Engineering – (DIT), Diploma in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia), Aircraft Maintenance Engineers Licence – (TCAA,

Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Human Factors Train of Trainer – (AFRAA), Instructional Techniques Train of Trainer – (AFRAA).

Mr. Hemed M. Jafar

Dip in Electronics and Telecommunications Engineering – (DIT), Dip in Aircraft Maintenance – (EAA, Ethiopia), Basic Aircraft Maintenance Engineers Licence – (ECAA, Ethiopia), Aircraft Maintenance Engineers Licence – (TCAA, Human Factors – (AFRAA), Quality Management System (AFRAA), Instructional Techniques – (AFRAA).

Tutors

Mr. Isaya Kephace

Bachelor of Engineering in Electronics and Telecommunication Engineerin (DIT), Safety Management System – (IATA), Crew Resource Management - (IATA), Quality Management System – (IATA).

**On study leave*

8.6.2. Department of Flying and Operations Management

8.6.2.1. Organization of Courses

The Department of Flying and Operations Management conducts aviation professional short courses, including ab-initio and recurrent courses, which are run by the Institute under Tanzania Civil Aviation Authority (TCAA) and International Air Transport Association (IATA) accreditations. Courses are developed and conducted basing on the applicable on industry requirements and regulatory requirements, currently in force.

8.6.2.2. Courses Conducted by the Department

(a) Private Pilot License (PPL) Course

Objective: The Private Pilot License (PPL) Course is the first step towards the candidate's lucrative career in flying. The aim of PPL course is to train the Student Pilot to fly safely and efficiently under Visual Flight Conditions and obtain the Private Pilot Licence (Aeroplanes). Upon successful completion and acquisition of this licence, a candidate can fly as a pilot in command of a privately operated aircraft, under Visual Flight Conditions.

Duration: 4 months

(b) Commercial Pilot License (CPL) Course (SE) with Instrument Rating

Objective: The Commercial Pilot license (CPL) as the name suggests allows CPL holder to enter the commercial world of aviation. The aim of CPL course is to train the Student Pilot to fly safely and efficiently under both Visual

and Instrument Meteorological Conditions and obtain the Commercial Pilot license (Aeroplanes). Upon successful completion and acquisition of this license, a candidate can fly as a pilot in command of a commercial operated aircraft.

Duration.: Estimated time to obtain the Commercial Pilot license is (12-18) months.

(c) Cabin Crew Ab-Initio Course

Objective: The Cabin Crew Ab-Initio Course is ideal for candidates who have never attended any cabin crew training, looking to get ahead start in the profession. It is intended to equip candidates with sufficient and competitive knowledge, skills and attitudes necessary to qualify for licensing by TCAA as a Cabin Crew and be able to work for Airlines particularly providing excellent customer service, ensuring comfort and safety of passengers, managing in-flight medical emergencies, managing dangerous goods incidences, operating aircraft systems and equipment, managing in-flight security incidences, managing in-flight safety incidences, and handling of dignitaries.

Duration: 4 months

(d) Cabin Crew Recurrent Course

Objective: The course is conducted for in-service cabin crew whose licences are due for renewal. The objective is to equip Cabin Crew with the knowledge, attitude and skills necessary to maintain the proficiency.

Duration: 1 week.

(e) Cabin Crew Aircraft Type (ATR 42/72 or Q-400)

Objective: The course is conducted for candidates who have completed the Cabin Crew Ab-Initio Course. The objective is to equip trainees with the knowledge, attitude and skills necessary to successfully work as Cabin Crew in a specific aircraft type.

Duration: 1 week.

(f) Cabin Crew Qualification Course – Category I

Objective: The course is conducted for Cabin Crew whose licences has lapsed or have not worked as a cabin crew for up to two (2) years. The objective is to equip Cabin Crew with the knowledge, attitude and skills necessary to maintain the recency.

Duration: 1 week

(g) Cabin Crew Qualification Course – Category II

Objective: The course is conducted for Cabin Crew whose licences has lapsed or have not worked as a cabin crew for more than two (2) years. The objective is to equip Cabin Crew with the knowledge, attitude and skills necessary to maintain the recency.

Duration: 4 weeks.

(h) Cabin Crew Qualification Course – Category III

Objective: The course is conducted for candidates who have completed training in unapproved training institutions. The objective is to equip trainees with the knowledge, attitude and skills necessary to convert them into approved training standards and secure the cabin crew licences.

Duration: 4 weeks.

(i) Flight Operations Officer Ab-Initio Course

Objective: The Course is a professional course designed to equip candidates with sufficient and competitive knowledge, technical skills, and attitude necessary to undertake Airline operations and control. The course is a straight through ab- initio training conducted for candidates who have never attended flight operations training. Successful candidates will qualify for licensing by TCAA as Flight Operations Officer and be able to work for Airlines particularly in planning and monitoring flights, planning flight fuel, identifying feasible airports, establishing routes and alternate airports, balancing aircraft mass, acquiring and decoding weather information, flight crew scheduling, aircraft scheduling, and dispatching aircraft.

Duration: 9 months

(j) Flight Operations Officer Recurrent Course

Objective: The course is conducted for flight operations officers/flight dispatchers whose licences are due for renewal or has lapsed for up to five (5) years. The objective is to equip the flight operations officers/flight dispatchers with the knowledge, attitude and skills necessary to maintain the proficiency.

Duration: 5 days.

(k) Crew Resource Management

Objective: In aviation industry, human error accounts for up to 80% of accidents. The objective of this course is to enable flight crew to examine the threat and error environments which are common in workplaces and provide the best practices to increase flight safety, optimize the utilization of staff, equipment and procedures to prevent errors and improve teamwork.

Duration: 3 days.

(l) Crew Resource Management Recurrent

Objective: The course is conducted in every two (2) years cycle for candidates with ab-initio training in crew resource management course. The objective is to equip trainees with the knowledge, attitude and skills necessary to maintain the proficiency.

Duration: 1 day.

(m) Safety Management System

Objective: The successful implementation of a Safety Management System reduces the rate and consequential cost of accidents and incidents. The objective this course is to enable staff to manage risks in operations through proactive risk assessment, mapping and mitigation actions and thereof evaluate their effectiveness through safety performance monitoring.

Duration: 5 days.

(n) Safety Management System Recurrent

Objective: The course is conducted in every two (2) years cycle for candidates with ab-initio training in safety management system course. The objective is to equip trainees with the knowledge, attitude and skills necessary to maintain the proficiency.

Duration: 2 days.

(o) Human Factors

Objective: This is the ab-initio training conducted for both ground and flight crew. The objective of this course is to enable candidates to identify and reduce human errors so as to improve safety and effectiveness in aviation operations.

Duration: 5 days.

(p) Human Factors Recurrent

Objective: The course is conducted in every two (2) years cycle for candidates with ab-initio training in human factors course. The objective is to equip trainees with the knowledge, attitude and skills necessary to maintain the proficiency.

Duration: 2 days

(q) Airport Operations Fundamentals

Objective: In these challenging times, and with emerging competition from other airports and other modes of transportation, it is of the utmost importance that airports recruit and provide employees and managers with the best available knowledge and skills. This course was prepared to provide you with a solid overview of the airport operations field and with tools to apply your knowledge and skills to your airport. It is designed to be useful not only for your benefit but also to help you make better decisions for your organization.

Duration: 1 week.

(r) GDS Fares and Ticketing - Amadeus

Objective: This course will teach you how to price journeys for all types of fares using the Amadeus Global Distribution Systems (GDS). You will

have hands-on practice using the interactive Global Distribution Systems (GDS) simulation tool, which will help you analyze GDS displays relevant to mileage system pricing; read, interpret, and apply mileage and routing fare rules; and issue tickets. The simulation training is supported by an interactive workbook and reference notes on GDS commands, maps and key journey pricing terms and definitions.

Duration: 4 weeks.

(s) Airline Marketing

Objective: Stay ahead of the competition by understanding and applying sound marketing principles. This course will provide you with an overview of the airline marketing principles so that you can comfortably create a marketing plan and execute it accordingly. We will cover the three main steps, analyzing, planning and execution as well as the main marketing tools used at each step, to develop a successful marketing plan.

Duration: 1 week.

(t) Airline Customer Service

Objective: Drive outstanding customer service with the winning combination of knowledge, skills, and attitude. Frontline airline customer service professionals, such as ticket reservation staff, check-in and gate agents, and cabin crew, work in one of the most dynamic industries. In this course, we will examine how the Internet, social media and new technologies are changing airline customer service. We will discuss several examples of how airlines are keeping up with these changes to meet customer needs and stay competitive.

Duration: 1 week.

(u) Cargo Introductory

Objective: With over 52 million tons of cargo shipped annually, the air cargo industry is the place to be. Prepare yourself to work in the industry with this comprehensive course. You will learn about basic IATA cargo rules and procedures, how freight forwarders and airline cargo units operate, plus much more.

Duration: 2 weeks.

(v) Airline Cabin Crew Training

Objective: Working as cabin crew for a major airline is require a high degree of responsibility and specialization to ensure the safety and comfort of passengers in line with industry regulations. This course is ideal for young professionals looking to get a head start in the profession, introducing the skills and responsibilities expected by the world's leading airlines. Special emphasis is given to customer service and procedures for handling unusual situations during flight.

Duration: 6 months.

8.6.2.3. Academic Staff

Head of Department

Mr. Daniel H. Mwanansoga BLTM – (NIT), Basic Airport Operation – (CATC), Quality Management Systems (QMS) for Civil Aviation Authority (CAA) and Air Navigation Service (ANS) providers- (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor – (IATA), Crew Resource Management (CRM) implementation – (IATA), Training Developers Course – (CATC), Training Developers Course (TDC) – (CATC), Crew Resource Management Train of Trainer – (AFRAA).

Examination Coeordinator

Ms. Neema H. Lauwo MSc. In Marketing – (MU), Bachelor of Art in Cultural Anthropology and Tourism – (TUICo), Ab-Initio Cabin Crew Certificate – (ATC), Cabin Crew Certificate – (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems (QMS) for Civil Aviation Authority (CAA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor– (IATA), Crew Resource Management (CRM) Implementation – (IATA), Crew Resource Management Train of Trainer – (AFRAA).

Principle Cabin Crew Instructors

Dr. Denis W. Mwageni PhD in Tourism – (OUT), Masters of Business Administration (Marketing) – (OUT), Bachelor of Tourism Management – (SUA), Cabin Crew Certificate – (ATC), Cabin Crew Certificate – (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems(QMS) for Civil Aviation Authority (CAA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor – (IATA), Crew Resource Management (CRM) Implementation – (IATA), Leadership and Management Skills – (NIT).

Senior Cabin Crew Instructors

Ms. Neema H. Lauwo MSc. In Marketing – (MU), Bachelor of Art in Cultural Anthropology and Tourism – (TUICo), Ab-Initio Cabin Crew Certificate – (ATC), Cabin Crew Certificate – (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems (QMS) for Civil Aviation Authority (CAA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor– (IATA), Crew Resource Management (CRM) Implementation – (IATA), Crew Resource Management Train of Trainer – (AFRAA).

Mr. Makene Z. Masingili Masters of Tourism Planning and Management – (OUT), Bachelor of Tourism Management – (SUA), Certificate of Wildlife Management – (CAWM, MWEKA), Ab-Initio Cabin Crew Certificate– (ATC), Cabin Crew Certificate – (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems (QMS) for Civil Aviation Authority (CAA) and Air Navigation Service (ANS) providers – (IATA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations-(IATA), Aviation Internal Auditor– (IATA), Crew Resource Management (CRM) Implementation – (IATA).

Cabin Crew Instructor II

Osca Lymo Ab-Initio Cabin Crew Certificate– (ATC), Cabin Crew Certificate – (TCAA), Instructional Techniques Certificate – (MABA, Malaysia), Quality Management Systems (QMS) for Civil Aviation Authority (CAA) and (IATA), Instructional Techniques –,Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations-(IATA), Aviation Internal Auditor– (IATA), Crew Resource Management (CRM) Implementation – (IATA).

Tutorial Assistant

***Mr. Eybernady M. Koddy** BAME– (NIT), Crew Resources Management Train of Trainer – (AFRAA).

Mr. Daniel H. Mwanansoga BLTM – (NIT), Basic Airport Operation – (CATC), Quality Management Systems (QMS) for Civil Aviation Authority (CAA) and Air Navigation Service (ANS) providers- (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor – (IATA), Crew Resource Management (CRM) implementation – (IATA), Training Developers Course – (CATC), Training Developers Course (TDC) – (CATC), Crew Resource Management Train of Trainer – (AFRAA).

Flight Operation Officer

Mr. Phabian P. Monga BLTM – (NIT), Accounting Technician Certificate – (NBAA), Flight Operations Officer/Flight Dispatcher Certificate – (CATC), Flight Operations Officer’s License–(TCAA), Quality Management Systems (QMS) for Civil Aviation Authority (CAA), Instructional Techniques – (IATA), Safety Management Systems (SMS) for Civil Aviation – (IATA), Human Factor in Ground Operations – (IATA), Aviation Internal Auditor– (IATA), Crew Resource Management (CRM) Implementation – (IATA), Leadership and Management Skills – (NIT), Certification and Standardization of Approved Training Organizations – (CASSOA).

Ms. Fatuma S. Ngamba BLTM–(NIT), Flight Operations Officer/Flight Dispatcher Certificate – (CATC), Quality Management System Train of Trainer – (AFRAA), Safety Management System Train of Trainer – (AFRAA), Crew Resources Management Train of Trainer – (AFRAA).

Jamal S. Mhando

Flight Operations Officer/Flight Dispatcher Certificate – (RAC)
Quality Management System Train of Trainer – (AFRAA), Safety
Management System Train of Trainer – (AFRAA), Crew Resources
Management Train of Trainer – (AFRAA).

Flight Instructor

Mr. Marco K. Mutungi

Bachelor of Engineering in Electrical and Electronics Engineering
– (SJUIT), Commercial Pilot Licence with Multi-Engine Instrument
Rating – (43 Air School, South Africa), Flight Instructor Rating
– (Blue Chip Flight School, South Africa), Quality Management
Systems (QMS) for Civil Aviation Authority (CAA) and Air
Navigation Service (ANS) providers – (IATA), Safety Management
Systems (SMS) for Civil Aviation – (IATA), Human Factor in
Ground Operations – (IATA), Aviation Internal.

Mr. Ashrafa H. Ramadhani

Bachelor of Engineering in Electronics and Communication –
(SJUIT), Commercial Pilot Licence with Multi-Engine Instrument
Rating – (Blue Chip Flight School, South Africa), Quality
Management Systems (QMS) for Civil Aviation Authority (CAA)
and Air Navigation Service (ANS) providers – (IATA), Safety
Management Systems (SMS) for Civil Aviation – (IATA), Human
Factor in Ground Operations – (IATA), Aviation Internal Auditor –
(IATA), CRM-(IATA)

Mr. Anzaamen A. Nanyaro

Bachelor of Engineering in Electronics and Communication –
(SJUIT), Commercial Pilot Licence with Multi-Engine Instrument
Rating – (43 Air School, South Africa), Quality Management
Systems (QMS) for Civil Aviation Authority (CAA) and Air
Navigation Service (ANS) providers – (IATA), Safety Management
Systems (SMS) for Civil Aviation – (IATA), Human Factor in
Ground Operations – (IATA), Aviation Internal Auditor – (IATA),
CRM implementation – (IATA).

Pilot Tutor

***Mr. Ally R. Nchembi**

BAME – (NIT), Crew Resources Management Train of Trainer –
(AFRAA).

**On study leave*

8.7. FACULTY OF INFORMATICS AND TECHNICAL EDUCATION

Faculty of Informatics and Technical Education is responsible for planning, organizing and conducting Informatics and Educational related programmes. The Faculty endeavoured to develop its performance and ensure excellence in training, scientific research and consultancy services in the field of Mathematics, Education and Information Technology. Currently, the Faculty has three departments namely Department of Computing and Communication Technology (CCT), Department of Humanities and Social Studies (HSS) and Department of Education and Mathematics.

8.7.1. *Department of Computing and Communication Technology*

The department is responsible for planning, organizing and conducting Information and Communications Technology related modules which are taught to different programmes in other departments. Currently, the department conducts two Bachelor's degree programmes (NTA Level 7 - 8): - BSc in Computer Science and BSc. in Information Technology, also the department conducts Three Ordinary Diploma's Programmes (NTA Level 4 – 6), Diploma in Computing and Information Communication Technology, Diploma in Records, Archives and Information Management and Diploma in Library and Information Studies.

8.7.1.1. *Bachelor's Degree (NTA Level 7-8) Programme in Information Technology*

This Degree programme comprises two levels; the Higher Diploma (NTA Level 7) and Bachelor's Degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two academic years) and Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is an entry qualification to NTA Level 8.

8.7.1.1.1. *Higher Diploma (NTA Level 7) in Information Technology*

(a) **Purpose of Qualification appropriate**

This qualification is aimed to produce graduates who will be able to analyze, apply and innovate Computing and Communication Technology solutions for better performance in the specific business entities.

(b) **Modules Summary**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07101	Business Information Systems	12
2.	ITU 07105	Computer Design and Architecture	12
3.	ITU 07103	Programming Principles	15
Fundamental Modules			
4.	GSU 07101	Business Communication Skills	9
5.	MTU 07101	Fundamentals of Mathematical Analysis	12
6.	MTU 07102	Introduction to Linear Algebra	9
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07201	Event-Driven Programming	9
2.	ITU 07202	Operating System Concepts	9
3.	ITU 07203	Database Concepts	12
4.	ITU 07205	Computer Networking	12
5.	ITU 07204	System Analysis and Design Principles	9
6.	ITU 07207	Fundamentals of Web Programming	9
Fundamental Modules			
7.	MTU 07204	Functions of a Single Variable	12
Total Credits			72

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1..	ITU 07307	Database Systems	12
2..	ITU 07308	Electronic Commerce	6
3.	ITU 07309	Operating System Administration	12
4..	ITU 07310	Computerized Accounting	6
5.	ITU 07305	Data Structure and Algorithms	6
6.	ITU 07306	Data Communications	9
7	ITU 07311	Field Work Training 1	12
Fundamental Modules			
8.	GSU 07303	Development Studies	12
9.	MTU 07308	Mathematical Statistics	9
Total Credits			84

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07407	IT and Cyber Law	9
2.	ITU 07401	Object-Oriented Programming	12
3.	ITU 07404	Web Applications Development	9
4.	ITU 07406	Algorithm Analysis and Design	9
Fundamental Modules			
5.	GSU 07405	Research Methodology	12
Total Credits			51

(c) Awards

On successfully completion of the programme a candidate who wishes to exit is awarded the Higher Diploma (NTA Level 7) in Information Technology of the National Institute of Transport.

8.7.1.1.2. Bachelor's Degree (NTA Level 8) in Information Technology

(a) Purpose of Qualification

This qualification is designed for a person who will independently study, apply, plan, innovate and manage Information and Communication Technology for better performance in the dynamic business environment.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 08101	Multimedia Systems	12
2.	ITU 08102	Software Engineering	12
3.	ITU 08104	Network Administration and Security	12
4.	ITU 08105	Mobile Applications Development	12
Fundamental Modules			
5.	ITU 08108	Project Proposal	12
Fundamental Modules			
6.	ITU 08106	Distributed Systems	9
7.	ITU 08107	Computer Aided Design	9
Total Credits			78

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 08207	Digital Image Processing	12
2.	ITU 08208	Information System Security	12
3.	ITU 08204	Human Computer Interface Design	12
4..	ITU 08209	Geographical Information Systems (GIS) Technologies	9
5,	ITU 08206	Project Work	18
Fundamental Modules			
6.	GSU 08206C	Entrepreneurship	9
Total Credits			72

(c) Awards

On successfully completion of the programme a candidate is awarded the Bachelor's Degree (NTA Level 8) in Information Technology of the National Institute of Transport.

8.7.1.2. Ordinary Diploma (NTA Level 4-6) in Information Technology Programme

8.7.1.2.1. Basic Technician Certificate (NTA Level 4) in Information Technology

(a) Purpose of Qualification

This qualification is intended for a person that will perform basic office application operations, help desk support and maintenance of computers, installation of computer hardware and software, setting up simple computer networks and provide web services.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 04101	Fundamentals of Computer	12
2.	ITT 04102	System Software	15
3.	ITT 04105	Computer Application	15
Fundamental Modules			
4.	GST 04104	Business Communication Skills	12
5.	GST 04103	Computing Mathematics	12
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 04202	Introduction to Computer Networking	15
2.	ITT 04201	Computer Hardware and Servicing	15
3.	ITT 04204	Basic Website Technology	12
4.	ITT 04206	Field Practical Training	12
Fundamental Modules			
5.	GST 04203	Customer Care	12
Total Credits			66

(c) Awards

On successfully completion of the programme a candidate who wishes to exit is awarded the Basic Technician Certificate (NTA Level 4) in Information Technology of the National Institute of Transport.

8.7.1.2.2. Technician Certificate (NTA Level 5) in Information Technology

(a) Purpose of Qualification

This qualification is intended for a person who will perform operations related to computer information systems, network and hardware configurations, design static websites, support end user applications and demonstrate entrepreneurship skills.

(b) Modules Summary

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 05104	Computer Architecture	9
2.	ITT 05101	Operating Systems	9
3.	ITT 05102	Computer Maintenance and Repair I	12
4.	ITT 05106	Computer Networking	9
5	ITT 05103	Fundamentals of Database System	12
Fundamental Modules			
6	GST 05105	Business Communication and End-user support	9
Total Credits			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 05201	Visual Basic Programming	9
2.	ITT 05202	Computer Maintenance and Repair II	12
3.	ITT 05203	Management Skills	9
4.	ITT 05204	Introduction to Website Design	12
Fundamental Modules			
5.	GST 05205	Computing Mathematics II	9
6.	ITT 05216	Introduction to Entrepreneurship	9
7.	ITT 05217	Practical Training	12
Total Credits			72

(c) Award

On successfully completion of the programme a candidate who wishes to exit is awarded the Technician Certificate (NTA Level 5) in Information Technology of the National Institute of Transport.

8.7.1.2.3. Ordinary Diploma (NTA Level 6) in Information Technology

(a) Purpose of Qualification

This qualification is intended for a person who will develop, manage and supervise information systems using state of the art technologies and apply knowledge and skills in solving business related problems.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 06104	Object Oriented Programming	12
2.	ITT 06101	Software Development	12
3.	ITT 06102	Website Technology	12
4.	ITT 06103	Fundamentals of Computerized Accounting	12
Fundamental Modules			
5.	GST 06105	Development Studies	9
Total Credits			57

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITT 06201	E-Commerce	12
2.	ITT 06202	Major Project	15
Fundamental Modules			
3.	GST 06203	Principles of Management and Marketing	9
4.	GST 06204	Principles of Entrepreneurship	9
5.	GST 06205	Principles of Customer Care	9
6.	GST 06206	Business Mathematics and Statistics	9
Total Credits			63

(c) Award

On successfully completion of the programme a candidate is awarded the Diploma (NTA Level 6) in Information Technology of the National Institute of Transport.

8.7.1.3. Bachelor's Degree (NTA Level 7-8) in Computer Science Programme

This Degree programme comprises two levels; the Higher Diploma (NTA Level 7) and Bachelor's Degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two academic years) and Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is an entry qualification to NTA Level 8.

8.7.1.3.1. Higher Diploma (NTA Level 7) in Computer Science**(a) Purpose of Qualification**

The holder of the qualification will be able to progress to ICT degree courses, equipped with competence, confidence and skills to evaluate ICT requirements in business and implement effective ICT solutions to be capable of being self-employed in ICT industry.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07102	Fundamentals of Computers	12
2.	ITU 07101	Fundamentals of Business Information Systems	9
3.	ITU 07103	Programming Principles	12
Fundamental Modules			
4.	GSU 07101	Business Communication Skills	9
5.	GSU 07103	Computing Mathematics	12
6.	GSU 07102	Development Studies	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1	ITU 07201	Event- Driven Programming	12
2	ITU 07202	Operating System Concepts	12
3.	ITU 07203	Database Concepts	12
4.	ITU 07204	System Analysis and Design Principles	9
5.	ITU 07205	Computer Networking	12
6.	ITU07206	Practical Training I	8
Fundamental Modules			
7.	GSU 07201	Quantitative Methods	9
Total Credits			74

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07302	Object-Oriented Programming	12
2.	ITU 07301	Database Technologies	12
3.	ITU 07303	Web Design and Internet	12
4.	CSU 07304	Electronics Concepts	12
5.	ITU 07305	Data Structure and Algorithms	12
6.	ITU 07306	Data Communications	12
Total Credits			72

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 07401	System Analysis and Design with OOP	12
2.	CSU 07403	Artificial Intelligence	12
3.	ITU 07404	Web Applications Development	12
4.	ITU 07405	Practical Training II	8
Fundamental Modules			
5	GSU 07401	Laws and Information Technology	9
Total Credits			57

(c) Award

On successfully completion of the programme a candidate who wishes to exit is awarded the Higher Diploma (NTA Level 7) in Computer Science of the National Institute of Transport.

8.7.1.3.2. Bachelor's Degree (NTA Level 8) in Computer Science**(a) Purpose of Qualification**

This qualification is designed for a person who will independently study, apply, plan, innovate and manage Information and Communication Technology for better performance in the dynamic business environment.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 08101	Multimedia Systems	9
2.	ITU 08102	Software Engineering	12
3.	CSU 08101	Microcontroller and Microprocessor Technologies	9
4.	ITU 08103	Network Administration	12
5.	CSU 08102	IS Project Management	12
6.	ITU 08104	Mobile Applications Development	12
Total Credits			66

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	ITU 08201	Information System Security	9
2.	CSU 08201	Embedded Systems	12
3.	CSU 08202	Digital Image Processing	12
4.	ITU 08204	Human Computer Interface Design	9
5.	CSU 08204	Project Work	18
Elective Modules			
6.	ITU 08205	Computer Aided Design	9
7.	CSU 08203	Geographical Information Systems (GIS) Technologies	9
Total Credits			78

(c) Awards

On successfully completion of the programme candidates are awarded the Bachelor's Degree (NTA Level 8) in Computer Science of the National Institute of Transport.

8.7.1.4. Ordinary Diploma (NTA Level 4 – 6) in Records, Archives and Information Management

8.7.1.4.1. Basic Technician Certificate (NTA Level 4) in Records, Archives and Information Management

(a) Purpose of the Qualification

This qualification is intended for a person who will perform routine records, archives and information management operational activities in services and production organizations. Such activities include receiving incoming mails distributing official publications, issuing and maintaining documents, marshalling resources and handling archival materials.

(b) Summary of the Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 04101	Basics of Records and Archives Management	15
2.	RAT 04102	Elements of Office Management and Practices	15
3.	RAT 04104	Conservation and Preservation of Records and Archives	15
Fundamental Modules			
4.	RAT 04107	Basic Computer Applications	6
5.	RAT 04106	Basic Communication Skills	6
	RAT 04108	Basics of Accounting	12
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 04212	Customer Centric Culture	6
2.	RAT 04211	Registry Procedures	15
3.	RAT 04209	Safety and Security of Records	15
Fundamental Modules			
5.	RAT 04206	Basics of Business Mathematics	6
6.	RAT 04210	Basics of Entrepreneurship	9
Total Credits			51

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Records, Archives and Information Studies of the National Institute of Transport.

8.7.1.4.2. Technician Certificate (NTA Level 5) in Records, Archives and Information Management

(a) Purpose of the Qualification

This qualification is intended for a person who will perform a range of activities some of which are non-routine. The activities include preparation, issuing and maintaining documents, marshalling resources and handling archival materials.

(b) Summary of the Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 05101	Principles of Archives Management	12
2.	RAT 05109	Records Management Principles and Practice	12
3.	RAT 05104	Legal and Ethical Issues in Records and Archives Management	12
4.	RAT 05110	Industrial Practical Training	12
Fundamental Modules			
5.	RAT 05106	Business Mathematics and Statistics	6
6.	RAT 05107	Principles of Entrepreneurship	6
7.	RAT 05108	Principles of Marketing	9
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 05203	Customer Service	12
2.	RAT 05204	Records Center Management	12
3.	RAT 05205	Registry Procedures and Practices	12
4	RAT 05212	Records Management Systems	12
Fundamental Modules			
5.	RAT 05201	Communication Skills	6
6.	RAT 05202	Computer Applications	9
Total Credits			63

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Records, Archives and Information Studies of the National Institute of Transport

*8.7.1.4.3. Ordinary Diploma (NTA Level 6) in Records, Archives and Information Management***(a) Purpose of the Qualification**

This qualification is intended for persons who will perform a broad range of activities most of which being non-routine. The activities include preparation, issuing and maintaining documents, marshalling resources and handling archival materials.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 06109	Electronic Records Management	9
2.	RAT 06110	Financial Records Management	9
3.	RAT 06111	Legal Records Management	9
4.	RAT 06112	Marketing of Information Services	9
5	RAT 06113	Industrial Practical Training	12
Fundamental Modules			
6.	RAT 06101	Information and Knowledge Management	9
7.	RAT 06107	Basics of Research Methodology	9
8.	RAT 06108	Database Management	9
9.	RAT 06106	Medical Records Management	9
Total Credits			84

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	RAT 06215	Personnel Records Management	9
2.	RAT 06216	Preserving Records	9
3.	RAT 06217	Archives Management	12
4.	RAT 06218	Research Project	12
5.	RAT 06219	Land Records Management	9
Fundamental Modules			
6.	RAT 06214	Development Studies	6
7.	RAT 06211	Principles of Management	12
Total Credits			69

(c) Award

On successfully completion of the programme a candidate is awarded the Diploma in Records, Archive and Information Studies of the National Institute of Transport.

8.7.1.5. Ordinary Diploma in Library and Information Studies Programme**8.7.1.5.1. Basic Technician Certificate (NTA Level 4) in Library and Information Studies****(a) Purpose of the Qualification**

This qualification is intended for persons who will perform routine Library and Information Management operational activities in service and production organizations. Such activities include preparing, issuing and maintaining documents, and handling library users.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 04107	Basics of Cataloging	15
2.	LIT 04102	Basic Concepts of Libraries	12
3.	RAT 04101	Basics of Records and Archives Management	15
Fundamental Modules			
4.	LIT 04106	Basic Communication Skills	6
5.	LIT 04108	Basic Computer Applications	6
Total Credits			54

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 04211	Elements of Collection Development	12
2.	LIT 04208	Basics of Disasters Management and Security of Library Materials	12
3.	LIT 04209	Basics of User Information Needs and Services	12
4.	LIT 04212	Basics of Classification	15
Fundamental Modules			
5.	LIT 04213	Bibliographic Control	9
Total Credits			60

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Basic Technician Certificate in Library and Information Studies of the National Institute of Transport.

8.7.1.5.2. Technician Certificate (NTA Level 5) in Library and Information Studies**(a) Purpose of the Qualification**

This qualification is intended for a person who will perform a range of activities some of which are non routine. The activities include processing, storing, issuing and maintaining, marshalling and handling library materials.

(b) Summary of Modules**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 05101	Information Sources and Reference Services	12
2.	LIT 05102	Library Collection Development	12
3.	LIT 05106	Library Descriptive Cataloging	12
4.	LIT 05107	Information Systems and Services to People with Special Needs	12
5.	LIT 05113	Industrial Practical Training	12
Fundamental Modules			
6.	LIT 05108	Business Mathematics and Statistics	6
7.	LIT 05109	Principles of Marketing	6
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 05215	Library Classification	12
2.	LIT 05212	Customer Service	12
3.	LIT 05207	Principles of Records Management	12
4.	LIT 05216	Library Automation and Management of Information Systems	12
Fundamental Modules			
5.	LIT 05214	Communication Skills	6
6.	LIT 05217	Computer Applications	6
Total Credits			60

(c) Award

Upon successfully completion of the programme, a candidate who wishes to exit is awarded the Technician Certificate in Library and Information of the National Institute of Transport.

*8.7.1.5.2. Ordinary Diploma (NTA Level 6) in Library and Information Studies***(a) Purpose of the Qualification**

This qualification is intended for persons who will perform non-routine Library and Information Management operational activities in services and production organizations. Such activities include performing clerical duties, registration of readers, bibliographical searching, on job training, preparation, issuing and maintaining documents, and handling library users.

(b) Modules Summary**SEMESTER I**

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 06102	Basics of Library Management and Administration	12
2.	LIT 06103	Marketing of Library and Information Services	9
3.	LIT 06109	Digital Libraries	12
4.	LIT 06107	Industrial Practical Training	12
Fundamental Modules			
5.	LIT 06108	Information and Knowledge Management	9
6.	LIT 06106	Basics of Research Methodology	9
7.	LIT 06110	Database Management	9
Total Credits			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	LIT 06207	Information Literacy Skills	9
2.	LIT 06208	Library Professional ethics	9
3.	LIT 06210	Principles of Storage, Retrieval and Dissemination of Library Information	9
4.	LIT 06211	Archives Management	12
5.	LIT 06212	Research Project	12
6.	LIT 06213	Repackaging of Information	9
Fundamental Modules			
7.	LIT 06214	Development Studies	9
Total Credits			69

(c) Award

On successfully completion of the programme a candidate is awarded the Diploma in Library and Information Studies of the National Institute of Transport.

8.7.1.6. Academic Staff

Head of Department

Dr. Angela-Aida K. Runyoro PhD in Information Communication Science and Engineering – (NM-AIST), MSc. in Computer Science – (UDSM), BSc. Electrical Engineering (UDSM), PGD in Managerial Control and Management Information System – (MSM–Netherlands) IT Governance – (KDi Singapore), Business Related IT Consultancy – (InWent-German), Systems Development using FOSS – (EACOSS - Uganda), Red Hat Linux – (AFNOG - Kenya).

Examination Coordinator

Mr. Benard Hayuma MSc. in Computer Science – (PUNE University- India), BSc. in Information System and Network Engineering – (SJUIT).

Senior Lecturers

Dr. Angela-Aida K. Runyoro PhD in Information Communication Science and Engineering – (NM-AIST), MSc. in Computer Science – (UDSM), BSc. Electrical Engineering (UDSM), PGD in Managerial Control and Management Information System – (MSM–Netherlands) IT Governance – (KDi Singapore), Business Related IT Consultancy – (InWent-German), Systems Development using FOSS – (EACOSS - Uganda), Red Hat Linux – (AFNOG - Kenya).

Lecturers

****Mr. Daud G. Daudi** MSc. International Transport and Logistics – (UDSM), BSc. Computer – (Osmania University – INDIA). Advanced Certificate in Logistics – (Dresden International University – Germany), ELA (EW), MCILT – (UK) TARA (T).

Ms. Leticia Edward	MSc. in Computer Science – (UDOM), Postgraduate Dip. in Scientific Computing – (UDSM), Advanced Diploma in IT – (IFM)
Dr. Nassoro M. Lwamo	PhD in Computer Science and Technology – (Beijing Institute of Technology - China), MSc. Computer Science – (UDOM), BSc. Computer Science – (UDSM)
Mr. Deogratias Mahuwi	MSc. in Computer Science – (St. Xavier College-INDIA), B. Computer Science Engineering (St. Joseph College of Engineering and Technology), CCNA-Anna University Chennai-(INDIA), CCNP-Sans Bound-Chennai-(INDIA), Oracle Database Administration-(INDIA), Embedded Systems - St. Joseph College of Engineering and Technology – (INDIA).
Mr. Shabani B. Juma	MSc. in Computer Science – (UDOM), BSc. in Computer Science – (UDSM).
Mr. Victor S. Nkwera	MSc. Information and Communication Engineering BIT- (China), B.E Electronics and Telecommunication Engineering – (DIT), FTC Electronics and Telecommunication Engineering - (DIT), Business Intelligence Analyst IBM.
Mr. Lazaro Kumbo	MSc. Information Security – (IAA), BSc Information Technology – (Stefano Moshi Memorial University College)
Mr. Martin Mushi	MSc. Information Security–(IAA), Advanced Diploma in Computer Science – (IFM).
<i>Assistant Lecturers</i>	
Mr. Thomas J. Moshi	MSc. in Information Technology Staffordshire University – (UCTI), BSc in Computer – (Mysore University - India), Certified Information System Auditor – (ISACA).
*Ms. Doreen Sarwatt	MSc. in Computer Science – (UDSM), BSc. in Computer Engineering and Information Technology – (UDSM).
Mr. Christopher D. Ntyangiri	MSc. Electronics Engineering – (Graduate School of Electro Communication, - Japan), BSc. Electronics Engineering – (The University of Electro-Communications, - Japan), Software Engineer/ Developer – (Yaskawa Information Systems Corporation-Japan).
*Ms. Erica H. Kimei	MSc. in Information and Communication Science and Engineering - (NM -AIST), BSc. of Science in Information Technology– (SMMUC), Diploma in Information Technology– (MMTI), Diploma in Management of Information System – (Institute for the Management of Information System–UK), Higher Diploma in Management of Information System (Institute for the Management of Information System – UK).
*Ms Neema P. Bhalalusesa	MSc. Computer Science – (University of Science Malaysia), BSc in Computer Science – (UDSM).
Mr. Shabani B. Juma	MSc. in Computer Science – (UDOM), BSc. in Computer Science – (UDSM).
Eng. Robert Sikumbili	MSc. Computer Science – (University of Madras-India), B.E Computer Science and Engineering – (St Joseph College of Engineering and Technology), CCNA-USA.

Mr. Peter G. Mwakalinga	MSc. Computer Science and Technology – (Nanjing University of Information Science and Technology NUIST-(China), B.E Computer Engineering DIT, Diploma in Computer Engineering - (DIT).
Mr. Rodrick Mero	MSc. Information and Communication Science and Engineering – (NM-AIST), BSc. Computer Science – (RUCO).
Mr. Benard Hayuma	MSc. in Computer Science – (PUNE University- India), BSc. In Information System and Network Engineering – (SJUIT).
*Ms. Fatma Kombo	MSc. in information System Management - (UDSM) - BSc. in Computer Engineering and Information Technology – (UDSM).
Mr. Livingstone Kimaro	MSc. In Telecommunications Engineering-(UDSM), BSc. In Telecommunication Engineering – (UDSM).
Mr. Exaud Kitomary	MSc. in Computer Science (Kerala University, India), B.E Computer Science and Engineering – (SJUIT)
Mr. Mike Kakwaya	MSc. Wireless and Mobile computing (NM- AIST, Tanzania). B.E Electronics and Communication Engineering (St. Joseph University in Tanzania),
Mr. Jovin Kamala	MSc. in Information Technology and Systems (MZUMBE), BSc. Information Communication Technology with Management (MZUMBE)
Mr. Victor J. Mbezi	MSc. Library and Information Management-(OUT), BA Library and Information Management – (OUT), Dip. In Library, Archives and Documentation Studies – (SLADS), Cert in Library, Archives and Documentation Studies – (SLADS).
Mr. Joseph C. Pengo	Masters in Information Security (IAA), BSc. in Computer Science (RUCO, SAUT)
Ms Sarah Florence Massae	MSc. In Information Systems Management (ISM, UDSM), Postgraduate Diploma in Education (PGDE, UDSM), Bachelor of Science in Information System Management (Ardhi University)
Mr. Alexander S. Sangi	Master of Information Security (IAA), Advanced Diploma in IT (IAA)
Mr. Seth Mwego	MSc Information Security – (IAA), BSc Computer Science – (SJUIT)
Eng. Gaspari Malimi Shiliba	Master of Science in Information Security - (IAA), Bachelor of Engineering in Electronics and Communication Engineering- (SJCoET), PGD in Management of Foreign Relations- (CFR-Dar es Salaam), UONGOZI Certificate Programme in Leadership – (UONGOZI Institute), Certified Information System Auditor- (CISA – ISACA), Certified Information Security Manager - (CISM – ISACA), Certified Ethical Hacker – (CEH – EC – Council), Computer Hacking Forensics Investigator – (CHFI – EC – Council).
Ms. Anitha C. Bitakwate	M.A. Information studies (UDSM), BSc. in Library and Information Management – (MZUMBE)
Mr. Bakari Omari Bakari	MSc. In Computer Science – (ITS, Surabaya - Indonesia), BSc. In Information Systems and Network Engineering – (SJUIT)

Ms. Fatuma Mavura Msuya	Masters of Information Systems and Network Security (NM-AIST), Bachelor of Engineering in Information Systems and Network Engineering – (SJUIT)
Ms. Glory Christian Malamsha	Masters of Information Communication Science Engineering (NM-AIST), Bachelor of Science in Business Information Communication Technology – (MoCU)

Senior Tutor

*Ms. Celina T. Mfala	MSc. in Information Technology and Management– Avinishilangam University – India), Advanced Diploma in IT– (IAA).
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Tutorial Assistants

Mr. Isaya Mathew	BSc. Geomatics-GIS - (UDSM).
*Ms. Joyce Ringo	BSc. in Information Technology and Network Engineering - (SJUIT)
Mr. Victor Shoo	BEng. in Computer Engineering - (DIT)
Mr. Nuhu S Sephania	Bachelor’s Degree of Public Administration in Records and Archives Management – (MZUMBE)
Ms. Paulina Gerald	Bachelor’s Degree of Public Administration in Records and Archives Management – (MZUMBE)
Mr. Alfamansueti Pius Bulaya	Bachelor of Public Administration in Records and Archives Management – (MZUMBE)
Ms. Monica John Kissima	Bachelor of Library and Information Science – (Uganda Christian University), Diploma in Library Archives and Documentation Studies – (SLADS), Certificate of Library Archives and Documentation Studies – (SLADS).

Tutor

Mr. Saidy Chang’a	BSc. Information Technology – (IFM), Diploma in Information Technology - (NIT).
Mr. Yudathade Marko Munishi	B. Engineering in electronics and communication engineering – (SJUIT)

****Study Leave***

***** Secondment***

8.7.2. Department of Humanities and Social Sciences

The Department is responsible for managing and teaching general modules, which are taught to different programmes in other departments.

8.7.2.1. Modules Managed by the Department

The modules managed by the department are:

- (a) Development Studies;
- (b) Communication Skills;
- (c) Law;
- (d) Research Methodology;

8.7.2.2. Academic Staff

Head of Department

Dr. Mary Mashoke PhD in Social Studies – (OUT), M.A Develop Studies – (UDSM), B.A. Ed. – (UDSM), Dip. Ed. (Kigurunyembe T.T.C), Advanced Cert. in Logistics – (Dresden Int.Univ-Germany)

Examination Coordinator

Mr. Francis M. Ching’ota M.A. in Development Management – (UDSM), B.A in Philosophy – (Jordan University College)

Senior Lecturers

Dr. Zainabu M. Mshana PhD Development Studies – (UDOM), MA Development Studies – (UDSM), BSc. Agriculture General – (SUA).

Dr. Hans Luambano PhD Development Studies – (UDSM), M.A. – (UDSM), B.A. Sociology – (UDSM), Advanced in Logistics – (Dresden International University – Germany).

Lecturers

***Ms. Jane Joseph** M.A. – (UDSM), B.A. Ed. – (UDSM).

Dr. Mary Mashoke PhD in Social Studies – (OUT), M.A Develop Studies – (UDSM), B.A. Ed. – (UDSM), Dip. Ed. (Kigurunyembe T.T.C), Advanced Cert. in Logistics – (Dresden Int.Univ-Germany)

Dr. Fahamu Kasavaga PhD in Linguistics-(UDOM), MA Linguistics-(RUCO), BA. Ed (Kiswahili and English)-(RUKO).

Adv.Dr. Rehema Kaunda PhD in Law, International Law and Preferential Trade Agreements-(OUT), Master of Law-International Trade, Investment and Finance-(RUKO). Bachelor of Law - (Tumaini University), PGDLP- (Law School of Tanzania).

Mr. Ernest Mapunda MA Linguistics – (UDOM), BEd in English and IT (Mount Meru University).

Dr. Clashon Onesmo PhD in Climate Change and Sustainable Development – (UDSM), M.A Natural Resource Management – (UDOM), B.A. Archeology and History– (UDSM).

Assistant Lecturers

***Mr. Bakari I. Pandu** M.A. Development Management– (UDSM), B.A. Ed. – (UDSM)

***Mr. Gibson Mahenge** M.A. Development Studies– (UDSM), B.A. Ed – (UDSM)

Ms. Sarah W. Mwakyusa MSc. HRM – (MU), B.A. Ed – (UDSM), Dip. Ed. – (Morogoro T.T.C)

Mr. Mathias P. Malegesi MSc. HRM – (MU), PGD HRM– (IFM), B.A. Ed. – (UDSM)

Mr. Kristofa Mwageni M.A. Linguistics - (UDOM), B. Ed Language – (TEKU), Dip. Ed – (Morogoro TTC)

Mr. Fredrick E. Mwesigwa LLM - (UDSM), Bachelor of Law (RUICO), PGD in Legal Practice (LST), Dip in Law (Institute of Judicial Administration) - Lushoto

Mr. Edison Sanga MA Linguistic (UDOM), B. Ed in English and History (UDSM)

Mr. Francis M. Ching’ota M.A. in Development Management – (UDSM), B.A in Philosophy – (Jordan University College)

Mr. Diocles Kyobya MA. Ed Linguistics - (DUCE), B.A. Education (St. Augustine University of Tanzania)

Ms. Aika A Philemon	MA. In Development Management-(UDSM), BA-Ed (History and Geography)-SJUT
Adv. Jackson S. Magoge	LLM-(Nalsar University of Law, India), Cooperate and Commercial Law, LLB-(MoCU), PGDLP - (Law School of Tanzania).
Adv. Masanja M. Nkinga	LLM. In Constitutional and Administrative Laws – (MZUMBE), LLB - (SAUT), PGDLP - (Law School of Tanzania).
Adv. Theresia M. Sawaya	LLM in Corporate and Commercial Law - (UNIVERSITY OF BAGAMOYO), LLB – (UDSM), PGDLP - (Law School of Tanzania)
Adv. Lusajo P Kanyamale	LLM. International Law – (MZUMBE), LLB – (TUMAINI UNIVERSITY - MAKUMIRA), PGDLP – (Law School of Tanzania)
Mr. Akram M. Mshana	Master of Arts in Development Studies – (UDOM), B.A. Tourism and Cultural Heritage – (UDOM).
Ms. Edina P. Nyambugai	Master of Arts in Development Studies – (UDSM), B.A. Literature – (UDSM).
Adv. Masanja M. Nkinga	Masters of Laws in Cobstitutional and Administrative Lawas,LLB - (SAUT), PGDLP- (Law School of Tanzania).
Senior Tutors	
*Ms. Olipa Mahenge	LLM– (UDSM), LLB – (UDSM).
Tutorial Assistant	
*Mr. Aggrey M. Senzighe	B.A.Ed. Language and Management – (MU) Dip. Education – (Korogwe T.T.C).
Tutor	
Mr. Peter S. Nzuzulima	LLB - (MU)
Mr. Emmanuel Bula	LLB - (UDSM)
Adv. Masanja M. Nkinga	LLB - (SAUT), PGDLP- (Law School of Tanzania).

8.7.3. Department of Education and Mathematics.

The department is responsible for offering Bachelor Degree in Education with Mathematics and Information Technology and Bachelor's Degree in Education with Economics and Mathematics to support the effort of the Government to increase number of qualified Mathematics and Economics Teachers in Secondary Schools and Higher Learning Institutions. Also, the Department is responsible for managing and teaching general modules, which are taught to different programmes in other departments.

8.7.3.1. Modules Managed by the Department

The Modules which are managed by this Department are:

- (a) Mathematics;
- (b) Economics
- (c) Statistics; and
- (d) Education.

8.7.3.2. Bachelor's Degree (NTA Level 7-8) in Education with Mathematics and Information Technology Programme

This degree programme comprises of two levels; the Higher Diploma (NTA Level 7) and Bachelor's degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two academic years) and Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is an entry qualification to (NTA Level 8).

8.7.3.2.1. Higher Diploma (NTA Level 7) in Education with Mathematics and Information Technology

(a) Purpose of the qualification

This qualification is intended to persons, who will teach Mathematics and Information Technology subjects in Secondary Schools at an Ordinary level, A level and training Colleges at Certificate level with ability to demonstrate acumen in a broad range of complex educational issues in the area of the holder's specialization.

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 07101	Communication Skills	6
Core Modules			
2.	MIU 07102	Principles of Education	6
3.	MIU 07103	Education Psychology	6
4.	MIU 07104	History of Education	6
5.	MIU 07105	Fundamentals of Mathematical Analysis	9
6.	MIU 07106	Linear Algebra	9
7.	MIU 07107	Statistics and Probability Theory	6
8.	MIU 07108	Fundamentals of Computer	6
9.	MIU 07109	Computer Programming Principles	9
Total Credits			63

SEMESTER II

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 07210	Development Studies	6
Core Modules			
2.	MIU 07211	Education Media and Technology	6
3.	MIU 07212	Teaching Practice I	12
4.	MIU 07213	Teaching Methods	9
5.	MIU 07214	Functions of a Single Variable	9
6.	MIU 07215	Numerical Analysis	9
7.	MIU 07216	Computer Architecture	9
8.	MIU 07217	Fundamentals of Computer Networks	9
Total Credits			69

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 07318	Principles of Curriculum Development and Teaching	9
2	MIU 07319	Educational Research	9
3.	MIU 07320	School Governance	9
4.	MIU 07321	Linear Programming	6
5.	MIU 07322	Mathematical Statistics and Stochastic Processes	9
6.	MIU 07323	Database Concept	9
7.	MIU 07324	Multimedia Systems	9
8.	MIU 07325	Database Technologies	9
		Functions of Several Variables	6
Total Credits			78

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 07427	Educational Guidance and Counselling	9
2.	MIU 07428	Teaching Practice II	12
3.	MIU 07429	Educational Ethics and Professionalism	9
4.	MIU 07430	Ordinary Differential Equations	9
5.	MIU 07431	Internet Programming	9
6.	MIU 07432	Operating Systems Concepts	9
Total Credits			57

(c) **Awards**

On successfully completion of the programme, a candidate who wishes to exit is awarded the Higher Diploma of Education in Mathematics and Information Technology of the National Institute of Transport.

8.7.3.2.2. Bachelor's degree (NTA Level 8) in Education with Mathematics and Information Technology

(a) **Purpose of the Qualification**

This qualification is intended to persons, who will teach Mathematics and Information Technology subjects in Secondary Schools at all levels. The holder can also teach in the Teachers' Training Colleges at Diploma level, and may become a Tutorial Assistant in a Higher Learning Institution with the ability to demonstrate acumen in a broad range of complex educational issues in the area of the holder's specialization.

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 08101	Educational Entrepreneurship	9
Core Modules			
2.	MIU 08102	Psychology of Exceptionalities	9
3.	MIU 08103	Management of Education and School Administration	12
4.	MIU 08104	Philosophy of Education	9
5.	MIU 08105	Information Systems Analysis and Design	9
6.	MIU 08107	Network Design and Administration.	12
7.	MIU 08107	Complex Analysis	9
8.	MIU 08108	Abstract Algebra	
9.	MIU 08109	Advanced Numerical Analysis	
Total Credits			69

SEMESTER II

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 08101	Educational Project Management	6
Core Modules			
2.	MIU 08212	Sociology of Education	6
3.	MIU 08213	Educational Measurement and Evaluation	9
4.	MIU 08214	Object Oriented Programming	6
5.	MIU 08215	Information Technology Security	6
6.	MIU 08218	Partial Differential Equations	9
7.	MIU 08219	Operational Research	6
8.	MIU 08220	Functional Analysis	9
Total Credits			57

(c) Awards

On successful completion of the programme, a candidate is awarded Bachelor of Education with Mathematics and Information Technology of the National Institute of Transport.

8.7.3.3. Bachelor's Degree (NTA Level 7-8) in Education with Economics and Mathematics Programme

This degree programme comprises of two levels; the Higher Diploma (NTA Level 7) and Bachelor's degree (NTA Level 8). Higher Diploma has four semesters (equivalent to two academic years) and Bachelor's degree has two semesters (equivalent to one academic year). The NTA Level 7 is a qualification to (NTA Level 8).

8.7.3.3.1. Higher Diploma (NTA Level 7) in Education with Economics and Mathematics

(a) Purpose of the qualification

This qualification is intended for a person who will teach Economics and Mathematics subjects in Secondary Schools at an Ordinary level and or in training Colleges at certificate level as a tutor with ability to demonstrate a broad range of complex educational practices including curriculum development, pedagogical training, assessments, evaluation and research

(b) Summary of Modules

SEMESTER I

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 07101	Communication Skills	6
Core Modules			
2.	MIU 07102	Principles of Education	6
3.	MIU 07103	Educational Psychology	6
4.	MIU 07104	History of Education	6
5.	MIU 07105	Fundamentals of Mathematical Analysis	9
6.	MIU 07106	Linear Algebra	9
7.	MIU 07107	Statistics and Probability Theory	6
8.	EMU 07101	Introductory Microeconomic Analysis I	6
9.	EMU 07102	Introductory Macroeconomic Analysis I	6
Total Credit			60

SEMESTER II

S/No.	Module Code	Module Name	Credits
Fundamental			
1.	MIU 07210	Development Studies	6
2.	EMU 07207	Computer Applications	6
Core Modules			
3.	MIU 07211	Educational Media and Technology	6
4.	MIU 07213	Teaching Methods	6
5.	MIU 07214	Functions of Single Variable	9
6.	MIU 07215	Numerical Analysis	9
7.	EMU 07204	Introductory Microeconomic Analysis II	6
8.	EMU 07205	Introductory Macroeconomic Analysis II	6
9.	EMU 07206	Development Economics	6
10.	EMU 07208	Teaching Practice I	12
Total Credit			72

SEMESTER III

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 07318	Principles of Curriculum Development and Teaching	9
2.	MIU 07319	Educational Research	9
3.	MIU 07320	School Governance	6
4.	MIU 07321	Linear Programming	6
5.	MIU 07322	Mathematical Statistics and Stochastic Processes	9
6.	EMU 07309	Intermediate Microeconomic Analysis I	6
7.	EMU 07310	Intermediate Macroeconomic Analysis I	6
8.	MIU 07326	Functions of Several Variables	9
Total credits			60

SEMESTER IV

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 07427	Educational Guidance and Counseling	9
2.	MIU 07429	Educational Ethics and Professionalism	6
3.	MIU 07430	Ordinary Differential Equations	9
4.	EMU 07411	Intermediate Microeconomic Analysis II	9
5.	EMU 07412	Intermediate Macroeconomic Analysis II	9
6.	EMU 07413	Econometrics	9
7.	EMU 07414	Public Finance	6
8.	EMU 07415	Teaching Practice II	12
Total Credit			69

(c) **Awards**

On successfully completion of the programme, a candidate who wishes to exit is awarded the Higher Diploma of Education in Mathematics and Information Technology of the National Institute of Transport.

8.7.3.3.2. Bachelor's degree (NTA Level 8) in Education with Economics and Mathematics

(a) **Purpose of the Qualification**

The holder of the qualification will be able to teach Economics and Mathematics subjects in Secondary Schools at all levels. The holder can also teach in the Teachers' Colleges at Ordinary Diploma cluster, and may become a Tutorial Assistant in a Higher Learning Institution with the ability to demonstrate acumen in a broad range of complex educational issues in the area of the holder's specialization

(b) **Summary of Modules**

SEMESTER I

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 08102	Psychology of Exceptionalities	6
2.	MIU 08103	Management of Education and School Administration	9
3.	MIU 08104	Philosophy of Education	6
4.	EMU 08101	Economic Policy, Planning and Programming I	6
5.	EMU 08102	Applied Quantitative Methods in Economics	6
6.	MIU 08107	Complex Analysis	9
7.	MIU 08108	Abstract Algebra	9
8.	MIU 08109	Advance Numerical Analysis	9
Fundamental Modules			
9.	MIU 08101	Educational Entrepreneurship	6
Optional Module			
10.	EMU 08103	Transport Economics	6
Total Credit			72

SEMESTER II

S/No.	Module Code	Module Name	Credits
Core Modules			
1.	MIU 08211	Sociology of Education	6
2.	MIU 08212	Educational Measurement and Evaluation	9
3.	EMU 08204	Economic Policy, Planning and Programming II	6
4.	EMU 08205	Applied Econometrics	6
5.	MIU 08215	Partial Differential Equations	9
6.	MIU 08216	Operational Research	6
7.	MIU 08217	Functional Analysis	9
Fundamental Modules			
8.	MIU 08210	Educational Project Management	6
Optional Modules			
9.	EMU 08206	International Economics	6
Total Credit			63

(c) Awards

On successfully completion of the programme, a candidate is awarded Bachelor of Education with Economics and Mathematics of the National Institute of Transport.

8.7.3.4. Academic Staff

Head of Department

Dr. Salamida D. Ngulyati PhD in Mathematics and Computer Science Engineering – (NM-AIST), MSc. Mathematical Modelling– (UDSM), BEd in Mathematics– (TUICo), Dip Ed – (Dar es Salaam T.T.C)

Examination Coordinator

Mr. Aristides M. Angelo M.A Education – (UDSM), B. Ed Linguistics – (UDSM), Cert in Education – Katoke TTC)

Lecturers

Dr. Eva O Luwavi PhD in Education – (UDSM), MAED Curriculum - (UDSM), BA. Ed– (DUCE).

Dr. Salamida D. Ngulyati PhD in Mathematics and Computer Science Engineering – (NM-AIST), MSc. Mathematical Modelling– (UDSM), BEd in Mathematics– (TUICo), Dip Ed – (Dar es Salaam T.T.C)

Dr. Swaib S. Yarro PhD in Education (Psychology) – (UDSM), M.A. In Applied Social Psychology – (UDSM), PGD HRM – (IFM), B.A Ed. – (UDSM).

Dr. Emmanuel M. Kishombo PhD in Education – (UDSM), M.A. Education Management and Administration – (UDSM), B.A. Ed. – (DUCE).

Dr. Getruda M. Challe PhD in Education – (UDSM), M.A. Education – (UDSM), B. Ed Arts – (UDSM).

Ms. Honesta Msaki M.A. Education– (UDSM), B. Ed Arts – (UDSM).

Assistant Lecturers

Ms. Kagemulo D. Muhaya	MSc. Mathematical Modeling– (UDSM), BEd in Mathematics – (TUICo), Dip. Ed. – (Morogoro T.T.C).
Ms. Doroth Manzoa	MSc. Mathematical Modelling– (UDSM), BEd in Mathematics– (TUICo), Dip. Ed. – (Dar es Salaam T.T.C).
*Mr. John M. Buzza	M.A. Education – (UDSM), BEd in Mathematics – (TUICo), Dip. Ed. – (Monduli T.T.C).
*Ms. Janeth M. Mtabazi	MSc. Mathematical Modelling– (UDSM), BSc. Ed. Mathematics and Physics – (UDSM), Dip. Ed. – (Dar es Salaam T.T.C).
Mr. Justine W. Kira	MSc. Mathematical Modelling – (UDSM), BSc. Ed. Mathematics and Physics – (UDSM).
*Mr. Patroba E. Mgonya	M.A. Education Management and Planning– (SAUT), B.A Ed. – (UDOM), Dip. Ed–. (Butimba T.T.C).
Mr. Adenias S. Ishabisa	MA Applied Social Psychology – (UDSM), Bed Psychology – (UDSM).
Mr. Paul A. Panga	MSc Mathematical Modelling – (UDSM), BSc Education – (UDSM).
Ms. Regina V. Mkama	MA Education – (UDSM), Bed Psychology – (UDSM).
Ms. Verediana M. Mbalilo	MSc. in Mathematical Science – (Stellenbosch University, SA), BSc. With Education (informatics and Mathematics) – (SUA).
Mr. Aziz M. Kipolelo	MSc. in Applied Mathematics – (Kenyatta University - KENYA), BEMIT – (NIT).
Mr. Yusuph L. Reuben	MSc in Mathematics and Computer Science Engineering – (NM-AIST), BEMIT - (NIT).
Mr. Pita M. Donald	MSc. in Mathematics and Computer Science Engineering – (NM-AIST). BSc. with Education (informatics and Mathematics) – (SUA).

Principal Tutor

Dr. Laurencia N Massawe	PhD Mathematical Modelling – (OUT), MSc. Mathematical Modelling – (UDSM), BSc. Ed Double Mathematics – (OUT), Dip. Ed- (Monduli T.T.C)
Mr. Ambakisye Mwasunga	M.A Education– (UDSM), Bed in Mathematics – (TUICo), Dip. Ed – (Dar es Salaam TTC).
Mr. Daniel Haule	M.A Education in Administration, Planning and Policy Studies – (OUT), BA Education – (UDSM)
Mr. Aristides M. Angelo	M.A Education – (UDSM), B. Ed Linguistics – (UDSM), Cert in Education – Katoke – TTC

Tutorial Assistants

*Mr. John Gweba	BSc. Mathematics (DUCE), Dip. Education (Korogwe Teacher’s Collage).
*Mr. Thomas J. Machumu	B. Ed in Mathematics – (TUICo), Teaching Licence – (Dar es Salaam T.T.C)
Mr. Castor A. Nyenje	BSc. with Education (Informatics and Mathematics) -(SUA)

9.0. NATIONAL TRANSPORT RESOURCE CENTRE

Previously, the National Transport Resource Center was known as The Library Service Department. The National Institute of Transport is the main and only Institute focused on training personnel to work in the transport sector. It has been noted that the Institute has the responsibility of collecting and providing transport information to the general public. Following this, we have decided to take advantage of the technological advancement to become the main provider of transport information through the National Transport Resource Center.

(a) Size of the Stock

Currently, the center has a collection of more than 9,500 volumes which include books and journals. In addition, there is a collection of more than 500 CD ROMs.

(b) Core Functions

- (i) To acquire, process store and preserve various materials related to transportation and make them accessible to the public,
- (ii) To support the learning and training activities of the Institute.

10.0. THE PROFILE OF PLANNING, FINANCE AND ADMINISTRATION

The planning, Finance and Administration wing has five (5) directorates; Human Resource Management and Administration, Finance and Accounts, Planning and Development, Students' Services, and Information Communication Technology.

10.1. DIRECTORATE OF HUMAN RESOURCE MANAGEMENT AND ADMINISTRATION

The Directorate is responsible for advising the Institute in matters related to recruitment, management and retention of best employees for the Institute to deliver efficient and effective services to the Public. It provides guidance and support for personnel actions, classifies positions based on duties and responsibilities, supports the collective bargaining process, directs effective employee-employer relations, administers workers' compensation benefits at proper pay levels, and ensures a safe and healthy work environment.

10.2. DIRECTORATE OF FINANCE AND ACCOUNTS

The Directorate's roles include revenue management, expense tracking, payroll administration, and tax and financial reporting. It also establishes and maintains internal controls to safeguard assets, prevent fraud, and ensure compliance with regulatory requirements and institutional policies.

10.3. DIRECTORATE OF PLANNING AND DEVELOPMENT

The Directorate coordinates planning and development matters at the Institute. It also executes and monitors the implementation of operational, tactical, and strategic planning and all matters about the Institute's development and resource sustainability.

10.4. DIRECTORATE OF STUDENTS' SERVICES

The Directorate provides welfare services and support for enhancing students' growth and development at the Institute. Welfare services offered by the Directorate of Students services include student leadership, catering, accommodation, sports and games, counselling and guidance, banking, finances, fellowship affairs, clubs/societies, life skills, health, mediating conflicts, security matters, etc.

10.5. DIRECTORATE OF INFORMATION, COMMUNICATION, TECHNOLOGY

The Directorate offers ICT services and resources to enhance the learning services vision and goals for both staff and students. Also, it supports faculty members, and students in carrying out the day-to-day teaching, learning, and research activities. Furthermore, the Directorate is in charge of creating the ICT resources needed by the institution, including the IT infrastructure. It also provides technical support for information, communications, and management needs.

11.0. EXAMINATION REGULATIONS – 2024

PART I PRELIMINARIES

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11.1 REGULATIONS

CITATION

1.1. These regulations may be cited as the National Institute of Transport Examination Regulations, 2024.

11.2 APPLICATION

1.2.(1) These Regulations shall set the course of actions to be pursued by the Institute on all matters related to examination conduct and its awards in all programmes leading to qualifications under National Technical Awards (NTA), which is from Level four (4) to Level nine (9)

1.2 (2) All NIT students shall be conversant with and abide by these Examination Regulations.

11.3 STATUTORY EXAMINATION MANDATE

- 1.3. The National Institute of Transport Act, Cap 187 empowers the Institute with a mandate to make regulations that govern the conduct of examinations.

11.4. PRIMACY OF THE REGULATIONS

- 1.4. These Regulations shall take precedence over any other regulations and rules, including those of external institutions and/or professional bodies.

11.5. DEFINITIONS

- 1.5. Terms used in these Regulations shall be defined as below:
- (a) “Academic Staff” means a full-time or part-time teacher, tutor, lecturer or professor, including an invited expert who is identified to facilitate the teaching and learning of a module(s) or part of it. Academic staff shall also be responsible for setting examinations;
 - (b) “Act” means the National Institute of Transport Act, Cap. 187;
 - (c) “Amanuensis” means a person employed or officially engaged by the Institute to render the necessary support to a Candidate with Disability to do academic activities such as the conduct of examinations;
 - (d) “Candidate” means a registered student at the Institute who is eligible for examinations;
 - (e) “Candidate with Disability” means any candidate who is blind, partially blind, deaf or a candidate with any other disability who needs special facilities and assistance in all academic matters such as the conduct of examinations;
 - (f) “Carry-over” means to repeat failed module(s) when a student of NTA Level 7(I) has a GPA of 2.0 or above or has not attended the required number of classes or has failed Continuous Assessment in some of the modules and thus be ineligible to sit for the Semester Examinations in the failed respective module;
 - (g) “Continuous Assessment” means any form of summative evaluation made during the semester. This evaluation may constitute but is not limited to classroom tests, homework, projects and fieldwork attachments which contribute to the final score of the Semester examination of a particular module;
 - (h) “Core Module” means an essential learning package specifically related to the programme of study;
 - (i) “Cumulative Grade Point Average (Cum GPA)” means the summation of each grade point times the credits of each module divided by the total credits taken by the candidate during the programme of study;
 - (j) “Elective module(s)” means a module(s) that a student may opt to take on their preference;
 - (k) “Examination” means a measurement of academic or professional achievement through different ways of assessment which may help to predict the candidate’s academic or professional competence;

- (l) “Extra-curricular activities” means an activity which is not directly related to the curriculum of any Institute module and carries no weight in the modules’ credit points;
- (m) “Fundamental Module” means an independent package of learning not directly related to the programme of study that a candidate is undertaking;
- (n) “Grade Point” means several points which indicate the scores that a candidate obtained in both the Continuous Assessment and Semester Examinations;
- (o) “Institute” means the National Institute of Transport (NIT);
- (p) “Invigilator” means an officer who supervises students during examination sessions and ensures that examination instructions and regulations are adhered to;
- (q) “Management” means all leaders prescribed under the approved functions and Organization Structure of National Institute of Transport (NIT);
- (r) “Module” means an independent package of learning which constitutes an academic programme of study;
- (s) “Oral Examination” means an examination where a student is examined by way of spoken questions and required to respond in the same way;
- (t) “Programme” means the totality of modules to be taught towards final awards;
- (u) “Re-take” means to repeat a module when a student with a GPA of 2.0 or above fails a supplementary examination of the respective module at any exit level (NTA 4-6, 7II, and 8);
- (v) “Semester” means an academic period during which modules are taught and examined;
- (w) “Semester Grade Point Average (Sem. GPA)” means the summation of grade points times the credits of each module divided by the total credit taken by a candidate in a particular semester;
- (x) “Special Examination” is an examination organized for a candidate who could not sit for an examination due to justifiable reason(s);
- (y) “Supervisor” means an officer who is responsible for ensuring that examination instructions and regulations as well as invigilation procedures, are adhered to;
- (z) “Supplementary Examination” means an examination administered to a candidate who attained a G.P.A of 2.0 or above but failed examination of some modules;
- (aa) “Student” means a person who is registered by the NIT to pursue a particular programme of study;
- (bb) “Abscondment” means the act of being absent from a scheduled examination at the time, day and place specified without prior permission or failure to

attend scheduled classes to the stipulated minimum percentage (80%) of attendance in a specific semester per module; and

- (cc) “Unauthorized materials” means any form of prohibited written or printed material(s) that is/are not allowed into the examination venues including but not limited to written papers, books, notes, annotated materials, cellular or mobile phone, radios, radio cassette or other type of players, computer and iPad. Others are smart pens, smart watches, smart spectacles, earphones, recording apparatus, programmable calculators, calculator with unauthorized written material, written handkerchief, DVD, VCD, soft or alcoholic drinks, annotated documents which one knows, believes, suspects or reasonably ought to have known, believed or suspected that the same could be used to assist him/her cheating in the examination and any other material as may be specified from time to time by the Institute.

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PART II
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12.0 CONDITIONS FOR EXAMINATION

12.1. REGISTRATION OF MODULES

- 2.1.(1) Registration of modules per semester shall be subject to payment of tuition fee and fulfilling any other obligations;
- 2.1.(2) At the beginning of each semester, every student shall register for core modules at respective departments/faculties after consulting the head of a specific department/faculty. In the case of elective modules, students shall register for the modules at the respective departments/faculties after receiving approval from respective Heads of Departments/Faculties;
- 2.1.(3) All candidates shall be examined in all modules registered for;
- 2.1.(4) The offering of elective modules shall depend on the availability of academic staff and number of registered students for the respective module(s);
- 2.1.(5) The maximum registration period for various NTA Levels, including extensions:
- (a) NTA Level 9 (Master’s degree) shall be four (4) years;
 - (b) Bachelor degree (NTA Level 7-8) shall be five (5) years;
 - (c) NTA Level 6 (Ordinary Diploma) shall be two (2) years;
 - (d) NTA Level 5 (Technician Certificate) shall be two (2) years;
 - (e) NTA Level 4 (Basic Technician Certificate) shall be two (2) years;
 - (f) However, depending on special circumstances the Rector may extend time more than what is prescribed in 2.1.(5).

12.2. EXAMINATION COMPONENTS

- 2.2.(1) The process of examining students shall be in two components which are Continuous Assessment (CA) and Semester Examination (SE).
- 2.2.(2) Where the module demands, there shall be a written examination, practical and/or oral examination to serve as the Semester Examination.
- 2.2.(3) The examination shall be conducted on dates and times fixed by the Institute Academic Calendar or otherwise.
- 2.2.(4) The Semester examinations shall be conducted within two (2) weeks before the end of semester.
- 2.2.(5) The duration of examinations for different NTA levels shall be as follows:
 - (i) Two (2) hours for NTA Levels 4-5,
 - (ii) Two and a half hours (2:30) for NTA Level 6,
 - (iii) Three (3) hours for NTA levels 7-9.
- 2.2.(6) Extra time shall be given to students with special needs for a timespan to be determined by the Directorate of Academic Support Services (DASS). The time-span shall be based on the type of disability.
- 2.2.(7) Special and supplementary examinations shall be conducted at a time fixed by the Institute.
- 2.2.(8) Supplementary examinations for candidates who sat for special examinations shall be conducted when next offered.
- 2.2.(9) A candidate sitting for supplementary examination(s) shall be assessed on the basis of the supplementary examination(s) results only and the CA scores shall not be considered in the assessment.
- 2.2.(10) The recorded grade for supplementary examination shall be “C” for NTA Level 4-8 and “B” for NTA level 9. For NTA Level 7(I) and 9, a candidate who fails in the supplementary examination shall carry-over the module within the maximum registration period of the particular programme of study as indicated by Regulation 2.1 (5).

12.3. ELIGIBILITY FOR SEMESTER EXAMINATION

- 2.3 (1) No candidate shall be eligible for any semester examination in any module unless the Head of Department/School has been satisfied that the candidates;
 - (a) Has attended at least 80% of allocated lecture and practical time,
 - (b) Has done Continuous Assessment and get the required minimum score to sit for an End of Semester examination,
 - (c) Is not involved in any legal offence.
- 2.3.(1) No candidate shall be eligible for any semester examination in any module unless the Head of Department has been satisfied that the candidate;
 - a) Has attended at least 80% of allocated lecture and practical time;
 - b) Has done all Continuous Assessments components and attained the required minimum score; and
 - c) Is not involved in any legal offense.

- 2.3.(2) Students with compelling reasons shall be granted permission to be absent from classroom attendance or end-of-semester examination by the Faculty Dean. Compelling reasons for absence from classroom attendance or examination shall include inter alia; loss of a parent or close relative, sickness, or any other strong reasons.
- 2.3.(3) Notwithstanding the provision of Regulation 2.3 (1) above, candidates shall be required to attend a specified number of lectures and Continuous Assessment that is to say, such candidate shall be required to re-take the module(s) when next offered to attain the 80% of lecture attendance and 80% of practical time before being allowed to sit for the required Semester Examination.

12.4. ABSENT FROM EXAMINATION

- 2.4.(1) The Examination Board through its appropriate procedures shall discontinue from studies any candidate who deliberately absents oneself from doing Continuous Assessment, semester, special, and/or supplementary examination without compelling reason(s).
- 2.4.(2) A Candidate who did not attend at least 80% of the allocated lecture and 80% of practical time, or did not sit for any particular examination due to being involved in extra-curricular activities shall be required to provide evidence before being allowed to sit for a special examination.
- 2.4.(3) Notwithstanding any matter contained in these Regulations, no student who has been expelled or suspended or barred from sitting any examination after being found to be involved in examination irregularities, disciplinary misconducts, criminal offenses or any other acts taken to be unethical or unacceptable by the Institute shall sit for any examination.

12.5. EXAMINATION OF CANDIDATES WITH DISABILITY

- 2.5. The Institute shall determine the types of disabilities which require special support and it shall render the necessary support.
- 2.5.(1) Special support shall be:
- (a) To provide services that would enable students with special needs to comfortably sit for examinations,
 - (b) To apply appropriate mechanisms for assessing and examining candidates with special needs,
- 2.5.(2) In order for a candidate to receive special support, the candidate shall produce appropriate evidence to prove the nature of disability and indicate the support required.
- 2.5.(3) Candidates who suffer from disabilities that renders them unable to write shall be allowed to use amanuensis. The conditions and criteria for allowing amanuensis are indicated below.

- a) Conditions for allowing amanuensis shall be as follows:
 - i. Students shall be allowed to use an amanuensis only when the student has a disability which makes the student unable to write,
 - ii. The use of amanuensis shall be allowed only when the student's condition is duly certified by a professionally registered and recognized medical doctor,
 - iii. All examinations supported by amanuensis shall have invigilators.
- b) Criteria for selecting an amanuensis shall be as follows:
 - i. The amanuensis shall not have the same field of study as the students being supported,
 - ii. The amanuensis shall have a lower education qualification as compared Fwingto the supported student. For example, a student studying for a degree shall not have an amanuensis with qualifications of a degree or above,
 - iii. The amanuensis shall not be a staff or student of the NIT.

12.6 CONDITIONS FOR DOING SUPPLEMENTARY EXAMINATIONS

- 2.6.(1) Special and Supplementary examinations shall be conducted as shown in the Academic Calendar.
- 2.6.(2) Students who sit for special examinations and fail shall sit for Supplementary examination when next offered on dates indicated in the Academic Calendar.
- 2.6.(3) For a candidate to qualify to sit for a supplementary examination, the candidate shall have an overall GPA of 2.0 or above for NTA Level 4-8 and 2.7 or above for NTA Level 9. A student with less than the prescribed GPA shall be discontinued from studies.
- 2.6.(4) A candidate who fails a supplementary examination (for NTA Level 4, 5 and 7II) with an overall GPA of 2.0 or above shall not progress to the next level of study. The student shall retake the failed module in the subsequent academic year.
- 2.6.(5) A candidate who fails an examination when re-taking a core, fundamental, or elective module shall be required to do a supplementary examination. When such a candidate fails the respective supplementary examination, the candidate shall repeat the failed module when next offered.
- 2.6.(6) NTA Level 9 student is allowed to sit for supplementary examinations provided he/she is within the maximum registration period.

12.7 CONDITIONS FOR DOING SPECIAL EXAMINATION

- 2.7.(1) Students requesting for special examination shall submit to the Faculty Dean relevant and sufficient evidence to qualify to sit for the respective examination.

- 2.7.(2) For candidate to be considered for special examination they shall have to submit sufficient documentary evidence (s) before the start of the Semester Examination and get approval from the Faculty Dean.
- 2.7.(3) Candidates appearing for a Special Examination shall be considered sitting for examination for the first time.
- 2.7.(4) Special Examination shall be conducted at the time and date when supplementary examinations are being held as shown in the Academic Calendar.
- 2.7.(5) In any academic year, a postgraduate student who has a postponed examination is required to clear the examination module (s) during the time of special examinations.

12.8 CONDITIONS FOR POSTPONEMENT OF STUDIES

- 2.8.(1) A Candidate who wishes to postpone studies shall provide substantive evidence(s) which proves that the candidate cannot continue with studies.
- 2.8.(2) The maximum period for postponement of studies shall be four (4) semesters or two consecutive academic year.
- 2.8.(3) Postgraduate students shall apply for postponement to the respective Faculty.
- 2.8.(4) Students who postpone studies and wish to be re-admitted shall pay the prescribed tuition fee.
- 2.8.(5) A student who qualifies for postponement of studies/examinations must have been registered for the same semester.

12.9 CONDITIONS FOR EXTENSION OF STUDIES FOR NTA LEVEL 9

- 2.9.(1) Students may apply to the head of department for an extension of studies at least three (03) months before the completion of studies.
- 2.9.(2) To qualify for the extension a student shall pay the required tuition fee as prescribed by the Institute.
- 2.9.(3) A candidate who fails to complete studies within the specified extended period without justifiable reasons shall be deregistered from studies.

12.10 CONDITIONS FOR DISCONTINUATION FROM STUDIES

2.10. A Candidate shall be discontinued from studies when:

- (a) At the end of the academic year, a student has an overall GPA of less than 2.0 for NTA 4-8 and less than 3.0 for NTA 9;
- (b) Found cheating in an examination or committing examination misconducts or irregularities mentioned in the Examination Regulations;
- (c) NTA Level 9 candidate fails more than five modules or fails to complete the research within four (4) years;
- (d) Involved in plagiarism;

- (e) Fails to resume studies after the expiration of the freezing period will be considered as abscondment and shall be discontinued from studies;
- (f) Fails, without reasonable cause, to submit/re-submit a NTA Level 9 dissertation within the prescribed period; and
- (g) No fees paid to the Institute will be reimbursed to any student or sponsor in the case of discontinuation of a student from studies for any reason.

12.11 CONDITIONS FOR EXAMINATION APPEAL

- 2.11.(1) Students wishing to appeal against examination results shall appeal to the Examination Appeals Committee and received by the Directorate of Academic Support Services (DASS) through the respective department and faculty, within ten working days from the day the provisional examination results were published.
- 2.11. (2) Appeal shall be considered based on the following reasons:
 - (a) Unfair marking,
 - (b) Wrong computation,

No appeal shall be considered unless it falls within the above-listed reasons.
- 2.11.(3) All appeals shall be accompanied by evidence of payment of an appeal fee prescribed by the Institute from time to time. Non-payment of an appeal fee shall render the appeal incomplete.
- 2.11. (4) Once the student has appealed due to reasons 2.11.2(a) and (b), the head of department shall select one (1) maker to go through the marked script, who shall remark or check if there were any errors in marks computation.
- 2.11.(5) After remark if marks awarded has a difference of five (5), the first marker, second marker and head of Department must have a mutual agreement.
- 2.11.(6) After the discussion of two markers and the HoD, in case the added or deducted marks to the student is still five (5) or more, the marked scripts for the whole class shall be re-checked to ascertain fairness and correctness of the marking process.

12.12 CONDITION FOR RE-ADMISSION

- 2.12.(1) A Candidate who has been discontinued from studies due to poor academic performance shall not be re-admitted into the same program until after the lapse of four (4) semesters. A candidate wishing to be re-admitted before the lapse of four (4) semesters shall be admitted into a different program from which the candidate was discontinued from studies after two (2) semesters.
- 2.12.(2) A candidate who is discontinued from studies based on examination irregularity shall not be re-admitted until the lapse of six (6) semesters.
- 2.12.(3) A student who withdraws registration may apply for re-admission to the same study program if at least one year has elapsed since the deregistration.
- 2.12.(4) NTA Level 9 students who has been discontinued from studies on academic grounds may be allowed to apply for admission into another program.

Such a student may be admitted into the same program only after showing evidence that he or she has attended and passed a relevant professional or academic course relevant to the same program lasting at least six (6) months after the discontinuation.

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PART III
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13.0 ASSESSMENT, GRADING SYSTEM AND AWARD

13.1 EVALUATION SYSTEM

13.2 ASSESSMENT OF CANDIDATES

- 3.1. There shall be formative, summative, fieldwork, and research/project work assessments.
- 3.1.(1) Unless stated otherwise, the assessment of candidates shall be formative and summative.
- 3.1.(2) Formative Assessment shall be part of teaching and shall comprise of classroom tests and assignments that are meant to determine candidates' level of understanding of a particular subject matter. Formative Assessment shall count for Continuous Assessment (CA).
- 3.1.(3) Summative Assessment shall include Inter alia;
 - i. Written end-of-semester examinations,
 - ii. Practical and/or oral examination,
 - iii. Project reports, field reports, Industrial Training and Research as determined by the respective curriculum.
- 3.1.(4) Students required to Re-take their fieldwork, research, project work, or Industrial Training attachment shall do so during the vacation period and the Re-take shall be undertaken at the students' own cost.
- 3.1.(5) A student who fails to submit an Industrial Training attachment report, research/project, or fieldwork report within the prescribed deadline shall have to inform the head of the respective department in writing and provide substantive explanation and evidence(s) of failing to submit the respective report on time.

13.3 CONDITIONS FOR PASSING MODULE(S)

- 3.2.(1) The format for the examination results grading of Continuous Assessment (CA) and semester examination shall be a number with one decimal point.
- 3.2.(2) The final assessment score shall be rounded off to the nearest whole number and determined by the marking scale from 0% to 100%.

- 3.2.(3) The overall minimum pass mark for NTA modules shall be as prescribed by the approved curriculum by National Council for Technical and Vocational Education and Training (NACTVET).
- 3.2.(4) Students shall have to pass the Continuous Assessment (CA) component to sit for the semester examination.
- 3.2.(5) The minimum pass mark for the Continuous Assessment (CA) component for different NTA Levels 4-9 shall be as prescribed by the approved curriculum by NACTVET.
- 3.2.(6) A student who fails the Continuous Assessment (CA) component shall not be eligible to sit for the end-of-semester examination and shall be required to carry-over for NTA Level 7(I) and 9, otherwise shall be required to re-take the failed module(s) in the subsequent academic year.
- 3.2 (7) Master students who fail any supplementary examination and have a GPA of 3.0 and above may be allowed to repeat the failed module(s) within the maximum registration period. However, shall be allowed to continue to the dissertation phase. Such students must complete coursework before submitting the dissertation for examination.

13.4 GRADING OF EXAMINATION RESULTS

- 3.3. (1) The grading system shall be as follows:
 - (a) For NTA level 4 and 5 grades A, B and C shall be regarded as pass in ascending order of merit; where A will be the highest pass grade and C will be the minimum pass grade, whereas D and F shall be regarded as fail.
 - (b) For NTA levels 6 to 8 grades A, B+, B and C shall be regarded as pass in ascending order of merit; where A will be the highest pass grade and C will be the minimum pass grade; while D and F will be considered as fail.
 - (c) For NTA level 9 grades A, B+ and B shall be regarded as pass in ascending order of merit; where A will be the highest pass grade and B would be the minimum pass grade; while grade C (Satisfactory), D (Poor) and F (Failure) shall be considered as fail.

13.5. CALCULATION OF GRADE POINT AVERAGE

- 3.4.(1) Credits obtained from core and fundamental and mandatory and elective modules stipulated in the respective curriculum shall be considered when calculating the candidate's Grade Point Average (GPA).
- 3.4.(2) When a candidate takes more than the required elective/option modules the calculation of the GPA shall only include the grades of modules in which the candidate obtained the highest scores. However, all modules undertaken and grades obtained by the candidates shall appear on the candidate's Academic Transcript.

- 3.4.(3) The calculation of the cumulative Grade Point Average (GPA) shall be based on the following formula:

$$\text{GPA} = \frac{\sum (\text{Grade Points} \times \text{Credits})}{\sum \text{Credits}}$$

13.6. CONDITIONS OF AWARDS

- 3.5.(1) The awards for NTA levels 4 and 5 shall be granted to a candidate who has completed and passed all prescribed modules at grade A, B, or C and has obtained a GPA of 2.0 or above, and has completed the required audit credits of the program.
- 3.5.(2) The awards for the NTA levels 6, 7 and 8 shall be granted to a the candidate who has completed and passed all prescribed modules at grade A, B+, B, or C has obtained a GPA of 2.0 or above and has completed the required audit credits of the programme.
- 3.5.(3) The award for NTA Level 9 (Master's degree) shall be granted to a candidate who has completed a minimum of 180 credits, including dissertation credits.

13.7. PROGRESSION AND EXIT

- 3.6. A candidate shall be allowed to proceed to the next level of the study after passing all prescribed modules of the candidate's current level of study.

13.8. CERTIFICATION

- 3.7.(1) A candidate who fulfills the requirements for the award shall be issued an Academic Transcript and a Certificate in the respective award level.
- 3.7.(2) A candidate undertaking a particular NTA level and wishing to exit at a lower level shall be issued with an Academic Transcript and a certificate corresponding to the level of exit.

13.9. LOSS OF CERTIFICATE

- 33.8.(1) In a situation where a candidate loses an original certificate, the candidate shall seek a police loss report before the candidate can be confirmed to have pursued studies at the Institute. The replaced certificate shall be marked or stamped "DUPLICATE" at a fee to be determined by the Institute.

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PART IV
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14.0. ADMINISTRATION AND CONDUCT OF EXAMINATIONS

Administrative responsibilities in relation to examination issues shall be observed at all times.

14.1. RESPONSIBILITIES OF THE RECTOR

- 4.1. The Rector shall:
- (a) Be the overall in charge of all academic and examination Matters,

- (b) Appoint chairperson and members of the Examination Appeals Committee,
- (c) Be the Secretary of the Examination Board.

14.2. RESPONSIBILITIES OF DEPUTY RECTOR ACADEMICS, RESEARCH AND CONSULTANCY

4.2. The Deputy Rector Academics, Research and Consultancy shall:

- (a) Be Chief Examinations Officer,
- (b) Oversee the enforcement of examination regulations and Procedures,
- (c) Oversee the development of policies related to examination issues,
- (d) approve proposed names of External Examiners,
- (e) Be responsible for developing a coherent realistic academic plan which advances excellence in the conduct of examinations at the Institute.

14.3. RESPONSIBILITIES OF DIRECTOR OF ACADEMIC SUPPORT SERVICES (DASS)

4.3. The Director of Academic Support Services (DASS) shall:

- (a) Be the Secretary to the Examination Appeals Committee.
- (b) Coordinate the preparation of master timetable and examination timetables,
- (c) Prepare the prospectus with the assistance of the Public Relations Officer, the Heads of Department and Faculty Deans.
- (d) Process students' admissions and registrations,
- (e) Prepare Academic Calendars,
- (f) Prepare academic Transcripts and Certificates.

14.4. RESPONSIBILITIES OF FACULTY DEAN

4.4.1 The Faculty Dean shall:

- (a) Be the overseer of all examination materials and documents as well as final marked scripts for respective faculty.
- (b) Chair Faculty Examination Board meetings to deliberate examination results, publish provisional results, and submit final examination results to the Examination Board for approval.
- (c) Endorse names of individuals to be recruited as External Examiners.
- (d) Oversee moderation of the examinations.
- (e) Approve all students' examinations and study postponements and resumptions or retaking of examinations.
- (f) Appoint members of the Faculty Examination Board and panel of examiners as guided by these Regulations.

14.5. RESPONSIBILITIES OF HEAD OF DEPARTMENT

4.4.2 The Head of Department shall:

- (a) Chair departmental meetings related to examination results to submit examination results to the Faculty Examination Board,
- (b) Enforce examination regulations and procedures at the respective department,
- (c) Propose the names of individuals to be recruited as External Examiners
- (d) Propose the name of the Departmental Examination Coordinator,
- (e) Coordinate moderation of the examinations, to ensure that:-
 - (i) Examination questions and marking schemes/guides are in the required guidelines and standards as stipulated by the National Technical Award qualification framework prescribed by NACTVET and the Institute.
 - (ii) The curricular and assessment plan of the moderated examination question papers are relevant and are in line with the requirements as stipulated by the respective regulatory body such as NACTVET.
- (f) Oversee posting of examination results into the Student Information Management System.
- (g) Compile examination results of the department and submit departmental recommendations to the Departmental Examination Committee.
- (h) Submit and collect examination scripts to and from external examiners respectively.
- (i) Ensure that External Examiners are remunerated accordingly.
- (j) Coordinate curriculum reviews and preparation of Assessment Plans and submit the same to Faculty Dean, The Deputy Rector Academics, Research and Consultancy for Transmission to NACTVET after consulting the Curriculum coordinator.
- (k) Identify and submit the names of best students as may be required.
- (l) Appoint internal checkers for marked examination scripts.
- (m) Be a custodian of all examination materials, documents, and final marked scripts.

14.6. RESPONSIBILITIES OF DEPARTMENTAL EXAMINATION COORDINATOR

4.4.3 There shall be a Departmental Examination Coordinator who shall be appointed by Head of the Department. The Departmental Examination Coordinator shall:

- (a) Receive examination sets from respective module lecturers.
- (b) Assist the Head of the department in coordinating examinations moderations.

- (c) Ensure the External Examiner's comments in examination paper(s) are incorporated.
- (d) Ensure the examination paper is free from error and ambiguity.
- (e) Oversee duplication of examinations at least two days before the date of examination.
- (f) Be responsible for dealing with incomplete examination cases in collaboration with the respective module lecturer and Head of Department.
- (g) Be responsible for the security of examination(s) until the respective students are examined.

14.7. CONDUCT OF EXAMINATION

- 4.5.(1) Examination shall be conducted under the supervision and control of Heads of Department.
- 4.5.(2) Semester Examinations (theoretical and practical) shall be assessed by Internal and External examiners.
- 4.5.(3) Individuals involved in the whole process of handling examinations shall observe secrecy and ethical practices as stipulated in the Examination Regulations and Code of Good Conduct for a Public Servant.

14.8. EXAMINATION TIMETABLE

- 4.6.(1) Examinations shall be held as stipulated in the Institute Academic Calendar.
- 4.6.(2) Candidates who for valid reasons cannot adhere to the examination timetable shall consult the Departmental timetable Coordinators for assistance.

14.9. CONDUCT OF CANDIDATES DURING EXAMINATION

- 4.7.(1) Candidates shall be in the examination rooms at least fifteen (15) minutes before the start of examinations,
- 4.7.(2) No candidate shall be allowed into the examination room after 30 minutes have lapsed,
- 4.7.(3) No candidate shall leave the examination room before 30 minutes of the examination session have lapsed,
- 4.7.(4) Candidates will be allowed to go outside of the examination room, by permission from the invigilator one at a time only for natural call.
- 4.7.(5) No candidate shall communicate with other candidates in the examination.
- 4.7.(6) Under circumstances where a candidate is unable to sit for examination, the candidate shall submit a written request to the Faculty Dean through the head of the respective department before the due date of the respective examination.
- 4.7.(7) No candidates shall enter the examination room with unauthorized materials stated in Part I, 1.5(cc) of these Regulations.

- 4.7.(8) Students shall not carry or store in the examination room any written material while examination is in progress.
- 4.7.(9) Candidates shall wear decent clothes as prescribed by the Students' By-Laws, which allow for smooth examination writing.
- 4.7.(10) Candidates must stop writing immediately after the invigilator gives notice of stop writing. During examinations normally, candidates will be notified 15 minutes before the end of the examination.

14.10. INFORMATION ABOUT INVIGILATORS AND SUPERVISORS

- 4.8.(1) Invigilators shall be appointed in writing by Heads of department. Academic Staff who taught respective module(s) shall automatically invigilate the examination in the respective module (s).
- 4.8.(2) Invigilators and supervisors shall ensure there is maximum security in the examination room when examinations are in progress and shall ensure that, all books, notes, or other materials including bags, briefcases, purses mobile phones, non-authorized ICT equipment and materials likely to help candidates to answer examination questions are removed outside the examination room before distributing the examination papers and answer booklets,
- 4.8.(3) Invigilators and supervisors shall ensure that no candidate gets into the examination room with unauthorized materials and shall announce to such effect.

14.11. RESPONSIBILITIES OF INVIGILATOR AND SUPERVISORS

- 4.9.(1) Invigilators shall be in the examination rooms at least thirty (30) minutes before the start of examinations,
- 4.9.(2) Invigilators shall at all times abide by their invigilation responsibilities and at no time they shall not be involved in any personal activity such as mobile chatting, reading Newspapers, marking examination papers and so on,
- 4.9.(3) Upon completion of the examination session, invigilators shall submit to the head of the department a written report attached with used and unused examination answer booklets.
- 4.9.(4) Invigilators and supervisors shall ensure that the sitting plan is adhered to and there is a reasonable distance between one candidate and the other.
- 4.9.(5) Invigilators shall do random checkups to ensure that, unauthorized materials are not entered into the examination rooms.
- 4.9.(6) Invigilators shall ensure that every candidate sitting for an examination signs an attendance sheet before and after the examination session.
- 4.9.(7) Invigilators shall submit a report of the conduct of the examinations to the respective Head of Department.
- 4.9.(8) Invigilators shall be responsible for checking whether the examination room is free from unauthorized materials and before the start of the examination session shall announce to candidates not to possess any unauthorized materials.

14.12. RESPONSIBILITIES OF EXAMINATION MODERATORS

- 4.9.(1) Invigilators shall be in the examination rooms at least thirty (30) minutes before the start of examinations,
- 4.9.(2) Invigilators shall at all times abide by their invigilation responsibilities and at no time they shall not be involved in any personal activity such as mobile chatting, reading Newspapers, marking examination papers and so on,
- 4.9.(3) Upon completion of the examination session, invigilators shall submit to the head of the department a written report attached with used and unused examination answer booklets.
- 4.9.(4) Invigilators and supervisors shall ensure that the sitting plan is adhered to and there is a reasonable distance between one candidate and the other.
- 4.9.(5) Invigilators shall do random checkups to ensure that, unauthorized materials are not entered into the examination rooms.
- 4.9.(6) Invigilators shall ensure that every candidate sitting for an examination signs an attendance sheet before and after the examination session.
- 4.9.(7) Invigilators shall submit a report of the conduct of the examinations to the respective Head of Department.
- 4.9.(8) Invigilators shall be responsible for checking whether the examination room is free from unauthorized materials and before the start of the examination session shall announce to candidates not to possess any unauthorized materials.

14.13. CONDUCT OF INVIGILATORS

- 4.10.(1) Invigilators shall not explain a question to candidates or have conversations with candidates which can assist candidates to answer examined questions.
- 4.10.(2) Invigilators shall not leave the examination room without ensuring that, there is another Invigilator to manage the examination session.
- 4.10.(3) Invigilators shall move around the examination room to strategically supervise candidates.

14.14. RESPONSIBILITIES OF TEACHING STAFF

- 4.11.(1) Teaching staff shall be responsible for setting examinations of their respective module, setting two examination papers, and preparing a marking scheme or guide per the respective module assessment plan guidelines.
- 4.11.(2) Teaching staff shall:
 - (a) Present a draft examination paper to the departmental examination coordinator Two (2) Weeks before the conduct of the examinations.
 - (b) Incorporate all External Examiner's comments into examination paper(s), and ensure the examination paper is error-free and ambiguous.
 - (c) Be responsible for dealing with incomplete cases of their respective modules, in collaboration with the respective Head of Department and Examination Coordinator.

- (e) Be responsible for marking and uploading (posting) the results of the respective module(s) into the Students Information Management System.
- (f) Fill out the marks or scores for each question on the top cover of the answer booklet accurately, add them correctly to get the total score, and submit the filled-in answer booklets to the respective Head of Department.
- (g) Be responsible for securing their examination(s) until the respective students are examined.
- (h) Specify materials authorized to be used in the examination room.
- (i) Report to the Head of Department any examination anomaly or any issue raising irregularity suspicion.

14.15. RESPONSIBILITIES OF EXTERNAL EXAMINER

- 4.12 External Examiners shall be appointed based on their specific expertise.
- 4.12.(1) In the course of moderating examinations, External Examiners shall observe compliance with examination format and structure, compliance with the assessment plan and delivery methods, curriculum standard of coverage, check the correctness of the question papers and solutions, check if the level, length and balance of the questions are appropriate, check the fairness of the marking scheme, check if the set examination is a reasonable test of the curriculum and is consistent with the learning outcome of a particular course or module.
- 4.12.(2) External Examiners shall be responsible for submitting to the Head of the respective department a report about Teaching Staff compliance with issues stated in 4.12(1) above and consequently make recommendations on areas requiring improvements.

14.16. RESPONSIBILITIES OF THE HEAD OF QUALITY ASSURANCE

- 4.13 The Head of Quality Assurance Unit:
- 4.13.(1) Ensure that examinations are conducted according to the Examination Regulations.
- 4.13.(2) Oversee the conduct of the whole process of examinations to see if they comply with the set quality standards.
- 4.13.(3) Analyze Quality Assurance (QA) reports related to the conduct of examinations.
- 4.13.(4) Coordinate the inspection of the conduct of examinations with the assistance of departmental Quality Assurance coordinators.
- 4.13.(5) Suggest standard examination format and structure to be adopted by examination setters.

14.17. RESPONSIBILITIES OF INTERNAL CHECKERS

- 4.14 The responsibilities of the Internal Checkers:
- 4.14.(1) To check accuracy in summing marks,

- 4.14.(2) Ensure that no portion of the examination answer script has remained unmarked,
- 4.14.(3) Ensure accuracy in recording and transfer of scores in the answer booklets and score sheets and
- 4.14.(4) Any other duties as may be directed by the Head of the respective department/faculty.

----- • ----- PART V ----- • -----

15.0. EXAMINATION RESULTS APPROVAL PROCEDURES

15.1. EXAMINATION RESULTS APPROVAL PROCEDURES

- 5.1. The Institute shall have in place an examination approval system that ensures that, the academic standards, quality and integrity of examinations are maintained and sustained. The approval system shall involve various committees

15.2. ESTABLISHMENT AND COMPOSITION OF THE DEPARTMENTAL EXAMINATION COMMITTEE

- 5.2(1) To maintain and sustain the standards, quality and integrity of examinations, there shall be a Departmental Examination Committee for each academic department of the Institute. The Committee shall be constituted by all academic staff of the respective departments. The Committee shall be chaired by the respective Head of Department. Designated Examination Coordinator shall assist the Head to prepare and conduct the Departmental Examination Meeting. The respective Head shall appoint one member to be the secretary of the meeting.

15.3. RESPONSIBILITIES OF DEPARTMENTAL EXAMINATION COMMITTEE

- 5.2.(2) The Departmental Examination Committee shall be answerable to the Faculty Examination Board and shall be responsible for:
 - (a) Ensuring that examinations are conducted according to the Institute Examination Regulations;
 - (b) Evaluating Continuous Assessment of candidates, including classroom attendance this shall be done one (1) week before the semester examinations begin;
 - (c) Reviewing the performance in every module of study with respect to the approved curriculum;
 - (d) Providing a written report containing appropriate recommendations to the Faculty Examination Board to rectify anomalies found in any examination paper and/or curriculum;
 - (e) Deliberating on recommendations made by External Examiners in relation to examination results;

- (f) Making recommendations related to examination issues to the Faculty Examination Board; and
- (g) Receive, deliberate and make recommendations related to postgraduate students conducts and results to the Faculty Examination Board.

15.4. ESTABLISHMENT AND COMPOSITION OF THE STANDING EXAMINATION IRREGULARITY COMMITTEE

5.3.(1) There shall be a Standing Examination Irregularity Committee. The Standing Examination Irregularity Committee shall be constituted by:

- (a) Head Quality Assurance Unit who shall be the Chairperson;
- (b) Head of Department of the department where the candidate involved in the examination is registered- Member,
- (c) Director of Students' Services-Member,
- (d) President of SONIT – Member,
- (e) A member of the academic staff deemed necessary to be incorporated – Member,
- (f) One representative from postgraduate students,
- (g) Head of Legal Services Unit-Member, and
- (h) Director of Academic Support Services.

15.5. RESPONSIBILITIES OF THE STANDING EXAMINATION IRREGULARITY COMMITTEE

5.3(2) The functions of the Standing Examination Irregularity Committee shall be:

- (a) To investigate and confirm cases of examination irregularity to propose appropriate measures as per the Examination Regulations
- (b) To recommend actions to be immediately taken against the candidate pending directives from the respective Faculty Examination Board.
- (c) To report the outcome of the Standing Examination Irregularity Committee meetings and appropriate actions to be taken in accordance with these Regulations to the Rector.
- (d) To submit recommendations to the Faculty Examination Board on issues related to examination irregularities.

15.6. ESTABLISHMENT AND COMPOSITION OF THE FACULTY EXAMINATION BOARD

5.4.(1) There shall be a Faculty Examination Board which shall constitute the following members:

- (a) Respective Faculty Dean who shall be the Chairperson and shall appoint all members of the Faculty Examination Board. Membership will be for three academic years and may be reappointed;
- (b) Heads of Academic Departments within the Faculty;

- (c) One representative from other faculties of the Institute among the heads of department appointed by the respective Dean;
- (d) One representative from the Directorate of Research, Consultancy and Publication;
- (e) One representative from the DASS office;
- (f) One representative from SONIT at the respective Faculty;
- (g) One representative from postgraduate students;
- (h) One representative from the Directorate of Students Services (DSS);
- (i) One representative from the Quality Assurance Unit as an invitee;
- (j) One representative from the Directorate of ICT office as an invitee, and
- (k) Secretary of the Faculty Examination Board - shall be appointed by the Faculty Dean from among the Heads or Staff of Academic Departments within the respective Faculty.

15.7. RESPONSIBILITIES OF THE FACULTY EXAMINATION BOARD

5.4.(2) The Faculty Examination Board shall be responsible for:

- (a) Deliberating on the general examination performance of Students (NTA Level 4-9) as submitted by the Departmental Examination Committees;
- (b) Deliberating and making recommendations to the Examination Board on all other issues about examination irregularities and/ or examination conduct received from the Standing Examination Irregularity Committee as guided in PART VI from Regulation 6.1 of these examination Regulations; and
- (c) Publish provisional examination results.

15.8. ESTABLISHMENT AND COMPOSITION OF THE EXAMINATION APPEALS COMMITTEE

5.5.(1) There shall be an Examination Appeals Committee and the following members shall constitute the Committee:

- (a) The chairperson who shall be appointed by the Rector - should be an academic member of staff from a position of lecturer or above; should neither be Dean nor Head of the teaching department;
- (b) Four (4) academic members of staff from the position of lecturer or above appointed by the Rector who shall serve for a tenure of Three (3) years; should neither be Dean nor Head of the academic department;
- (c) Head of Legal Services Unit;
- (d) Two (2) co-opted members who are external to the Institute;
- (e) Minister responsible for Education from SONIT.
- (f) DASS – Secretary.

15.9. RESPONSIBILITIES OF THE EXAMINATION APPEALS COMMITTEE

5.5. (2) The Examination Appeals Committee shall:

- (a) Scrutinize students' appeals to make informed decisions,
- (b) Deliberate on issues about examination appeals and making recommendations to the Examination Board,
- (c) Mandate the DASS to publish provisional results of appeals.
- (d) Mandate the DASS to present all recommended appeals to the Examination Board.

15.10. COMPOSITION OF EXAMINATION BOARD

5.6(1) The following Members shall constitute the Examination Board:-

- (a) Four (4) members – appointed by the Council Chairperson amongst its members, one of them shall be Chairperson of the Examination Board (EB), and two (2) other members from outside the Institute from Higher Learning Institution who shall be appointed by the Rector
- (b) DR-ARC – Member
- (c) DR-PFA –Member
- (d) Deans of Faculty – Members
- (e) Representative from ASANIT – Member
- (f) President of SONIT – Member
- (g) In attendance members shall include;
 - Head of Quality Assurance Unit
 - Director of Academic Support Services
 - Dean of Students
 - Director of ICT
 - Head of Legal Services Unit
- (h) Rector – Secretary

15.11. RESPONSIBILITIES OF THE EXAMINATION BOARD

5.6.(2) The Examination Board shall be responsible for:

- (a) Approving examination results as submitted by the Faculty Examination Board,
- (b) Deliberating on cases of examination irregularities as submitted by the respective Faculty Examination Board,
- (c) Deliberating on the examination appeals as submitted by the Examination Appeals Committee,
- (d) Deliberating and approving various academic issues as submitted by the Faculty Examination Boards or Respective Committees,

- (e) Submitting resolutions to the Governing Council,
- (f) Ensuring that academic standards, quality and integrity of the Institute are maintained.

15.12. DECISION OF THE EXAMINATION BOARD

5.6.(3) The decisions of the Examination Board made about examination results shall be final and conclusive.

15.13. POWERS OF THE EXAMINATION BOARD

5.6.(4) The Examination Board is vested with powersto:

- (a) Approve the examination results and declare the awards,
- (b) Revoke academic awards and withdraw graduates' certificates if it is established that, the graduate violated Examination and Admission Regulations.

15.14. PUBLICATION OF EXAMINATION RESULTS

5.7.(1) The Chairperson of the Faculty Examination Board shall have powers to publish provisional examination results pending the approval by the Examination Board.

5.7.(2) Examination results shall be posted into the students' information management system, where students can easily access the results through their personal accounts.

5.7.(3) Final examination results for each semester which have been approved by the Examination Board shall be bound in hard copies and archived for future reference.

15.15. QUORUM

5.8 At any meeting of committees covered by these Regulations, no less than half (1/2) of members shall form a quorum.

----- • ----- **PART VI** ----- • -----

16.0. EXAMINATION IRREGULARITY

6.1. The Institute shall not entertain any action related to examination irregularities. All the parties involved in the examination process are obliged to maintain the highest academic integrity and ethical standards to ensure the smooth conduct of examinations.

Examination irregularities shall include, but not limited to:

- (a) Examination leakage,
- (b) Being caught with examination questions/papers before sitting for the examination,

- (c) Plagiarism,
- (d) Entering an examination room without a valid identity card and/or examination number, and
- (e) Other Examination irregularities as stated in the Third Schedule of this Regulation.

16.1. PROCEDURE OF HANDLING EXAMINATION IRREGULARITIES

6.2. A student involved in examination irregularities or misconducts shall be suspended from studies by the Rector pending the decision of the Examination Board.

6.2.(1) If a candidate is suspected of an examination irregularity, the following procedures shall be followed:

- (a) The invigilator(s) shall approach the candidate immediately when an examination irregularity is noticed and shall confiscate all unauthorized materials and the candidate's answer booklet,
- (b) All confiscated materials shall be signed by the student and attached or pinned with the candidate's booklet,
- (c) The candidate shall be required to sign the declaration form which states the irregularity that the candidate was involved in,
- (d) Failure to sign the declaration form and unauthorized materials shall mean creating a commotion in the examination room, which is an examination violation that leads to the discontinuation of studies. Candidate shall be given another booklet to continue with the examination. The Invigilator shall submit the Irregularity case to the respective head of the Department.
- (e) DASS shall process and submit cases of examination irregularity to the Standing Examination Irregularity Committee,
- (f) The Standing Examination Irregularity Committee shall deliberate on the cases and submit recommendations Faculty Examination Board,
- (g) Candidates involved in examination irregularities shall be suspended from studies by the Rector based on the recommendations from the Standing Examination Irregularity Committee or Examination Appeal Committee, pending the decision of the Examination Board,
- (h) If it is established that, the candidate committed an examination irregularity the Examination Board shall discontinue the candidate from studies.
- (i) Kinds/types and details of examination irregularities and their punishments/penalties are expressed in the third schedule of these Regulations.

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PART VII
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17.0. MISCELLANEOUS PROVISIONS

17.1. REPEAL

- 7.1 The provisions of Examination Rules and Regulations 2018 are hereby repealed and replaced by these Regulations.

17.2 AMENDMENT AND REVIEW OF EXAMINATION REGULATIONS

- 7.2 The amendment and review of examination regulations Shall be done from time to time as deemed necessary by the Institute's Management and shall be approved by the Governing Council

17.3. ENDORSEMENT OF EXAMINATION REGULATIONS

- 7.3 The approved Examination Regulations shall be submitted to the National Council for Technical and Vocational Education and Training (NACTVET) for endorsement.

17.4 FIRST SCHEDULE

GRADE POINT AND SCORE RANGERS

- (a) NTA LEVEL 4 AND 5

TABLE 1: SUMMARY OF GRADE, GRADE POINTS, SCORE RANGE AND THEIR DEFINITION

GRADE	GRADE POINT	SCORE RANGE	DEFINITION
A	4.0	80%-100%	Excellent; accurate work of outstanding quality.
B	3.0	65% - 79%	Good; sound grasp of most important goals of the module. The work is described as careful and competent.
C	2.0	50% - 64%	Satisfactory; competence which its work is described as adequate.
D	1.0	40% - 49%	Poor; marginal and barely satisfy the minimum requirement.
F	0.0	0% - 39%	Fail

(b) NTA LEVEL 6

TABLE 2: SUMMARY OF GRADE, GRADE POINTS, SCORE RANGE AND THEIR DEFINITION

GRADE	GRADE POINT	SCORE RANGE	DEFINITION
A	5.0	75% - 100%	Excellent; work of outstanding quality, rare talent for the module and an original or incisive mind.
B+	4.0	65% - 74%	Very good; comprehensive accurate work, fair and comprehension of the module.
B	3.0	55% - 64%	Good; sound grasp of most important goals of the module. The work is described as careful and competent without being distinguished.
C	2.0	45% - 54%	Satisfactory; competence whose work is described as adequate.
D	1.0	35% - 44%	Poor; marginal and barely satisfy the minimum requirement.
F	0.0	0% - 34%	Fail

(c) NTA LEVEL 7 AND 8

TABLE 3: SUMMARY OF GRADE, GRADE POINTS, SCORE RANGE AND THEIR DEFINITION

GRADE	GRADE POINT	SCORE RANGE	DEFINITION
A	5.0	70 % - 100%	Excellent; work of outstanding quality, rare talent for the module and an original or incisive mind.
B+	4.0	60% - 69%	Very good; comprehensive accurate work, flair and comprehension of the module.
B	3.0	50 % - 59%	Good; sound grasp of most important goals of the module. The work is described as careful and competent without being distinguished.
C	2.0	40% - 49%	Satisfactory; competence whose work is described as adequate.
D	1.0	35% - 39%	Poor; marginal and barely satisfy the minimum requirement.
F	0.0	0% - 34%	Fail

(d) **MASTER DEGREE PROGRAMMES (NTA LEVEL 9) MASTERS OF SCIENCE IN LOGISTICS AND TRANSPORT MANAGEMENT**

Masters of Science in Logistics and Transport Management.

TABLE 5: SUMMARY OF GRADE, GRADE POINTS, SCORE RANGE AND THEIR DEFINITION

GRADE	GRADE POINT	SCORE RANGE	DEFINITION
A	5.0	70-100	Excellent
B+	4.0	60-69	Very Good
B	3.0	50-59	Good
C	2.0	40-49	Poor
D	1.0	35-39	Very Poor
F	0.0	0-34	Fail

17.2 SECOND SCHEDULE

CLASSIFICATION OF AWARDS

(a) NTA LEVEL 4 AND 5

TABLE 6: SUMMARY OF CLASSIFICATION FOR AWARDS

CLASS OF AWARD	CUMULATIVE GPA
First Class	3.5 - 4.0
Second Class	3.0 - 3.4
Pass	2.0 - 2.9

(b) FOR NTA LEVEL 6, 7 AND 8

TABLE 7: SUMMARY OF CLASSIFICATION FOR AWARD

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

(c) FOR NTA LEVEL 9

TABLE 8: SUMMARY OF CLASSIFICATION FOR AWARD

CLASS OF AWARD	CUMULATIVE GPA
First Class	4.4 - 5.0
Upper Second Class	3.5 - 4.3
Lower Second Class	3.0 - 3.4

17.3 THIRD SCHEDULE

TYPES OF EXAMINATION IRREGULARITIES AND APPLIED PUNISHMENT

TABLE 9: SUMMARY OF EXAMINATION IRREGULARITIES AND THEIR PENALTIES

S/NO	EXAMINATION IRREGULARITY	PENALTY
1	Cheating before the examination, which mostly involves leakage. Examination is said to have leaked if its contents or any part of it is disclosed prior to taking the examination.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
2	Possession of unauthorized material in the examination room such as books, notes, mobile phones, smartwatch and headphone, pagers or any other device (other than an approved device) capable of storing text or restricted information and pieces of written paper/printed materials.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
3	Rendering or receiving assistance to or from another candidate in solving questions or part of it during the examination session	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.

S/NO	EXAMINATION IRREGULARITY	PENALTY
4	Communicating with other candidates, inside and/or outside the examination room when the examination is in progress without permission from the invigilator(s) or supervisor(s).	<ul style="list-style-type: none"> v. Nullification of the candidate's examination results of the respective module. And/or vi. Nullification of the candidate's examination results of the respective semester. And/or vii. Nullification of the candidate's examination results at the level of study. and/or viii. Discontinuation from studies for six (6) semesters.
5	Removing examination answer booklets from the examination room or detaching the answer sheets from the booklet	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
6	Destroying evidence related to any suspected examination irregularity such as swallowing or attempt to swallow a note or suspected written/printed material or running away with it or causing the disappearance of such materials.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results at the level of study. ii. Discontinuation from studies for a period of six (6) semesters.
7	Found consulting a fellow candidate, books, note books or papers or any other matter found with the candidate while outside the examination room but during the examination session and before the candidate has handed over his answer booklet to the invigilator(s) or supervisor(s).	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. or ii. Nullification of the candidate's examination results at the level of study. or iii. Discontinuation from studies for six (6) semesters.
8	Passing on or attempting to pass on during the examination, a copy of a question set in the paper or the question paper itself or a part of it or a solution of a question set in the question paper to another candidate.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.

S/NO	EXAMINATION IRREGULARITY	PENALTY
9	Possession of solution to a question set in the examination paper.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results at the level of study. ii. Discontinuation from studies for six (6) semesters.
10	Hiring an agent(s) to do the examination on behalf of the candidate(s) or any type of impersonation.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results at the level of study. ii. Discontinuation from studies iii. The agent shall be reported to the police.
11	Misbehaving towards the invigilator, supervisor or fellow candidates during the examination session or using abusive language both oral and written in the answer booklet.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results at the level of study and/or. iii. Discontinuation from studies for six (6) semesters.
12	Distortion and/or violation of the official arranged sitting plan in the examination room, beginning the examination before being authorized and continuing the examination after being told to stop.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
13	Failure or refusal by any candidate to sign on the invigilators' report of facts sheet in any discovered irregularity.	<ul style="list-style-type: none"> i. Nullification of examination results at the level of study. ii. Discontinuation from studies for a period of six (6) semester.
14	Borrowing or exchanging of materials such as calculators, rulers, rubber, and pens among candidates while the examination is in progress.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters

S/NO	EXAMINATION IRREGULARITY	PENALTY
15	Candidate proven to have committed plagiarism in any part of the examination.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters
16	Entering in the examination rooms knowingly and/or negligently without a valid Institute's Identity Card and/or examination number.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
17	Writing on examination question paper.	<ul style="list-style-type: none"> i. Nullification of the candidate's examination results of the respective module. And/or ii. Nullification of the candidate's examination results of the respective semester. And/or iii. Nullification of the candidate's examination results at the level of study. and/or iv. Discontinuation from studies for six (6) semesters.
18	For cases of misconduct and/or unfair means not covered by these conducts of examination irregularities the Institute through its procedures shall determine and impose any punishment which appears to be appropriate vis-a-vis the nature of the irregularity.	The Institutes shall determine the punishment about the gravity of the irregularity.

17.4. FOURTH SCHEDULE

Criteria for selecting Best Students

- (a) Selection for Institutional overall best students. The best student shall:
 - (i) Have an overall GPA of not less than upper second class for NTA Level 6 and 8 or Second class for NTA Level 4, 5, and 9.
 - (ii) Not have a record of being involved in any type of disciplinary action,
 - (iii) The student must have had not supplemented.
- (b) Selection for departmental overall Best Students. The best student shall:
 - (i) Have an overall GPA of not less than upper second class for NTA Level 6 and 8 or Second class for NTA Level 4, 5, and 9.
 - (ii) Not have a record of being involved in any type of disciplinary action,
 - (iii) The student must have had not supplemented.
- (c) Selection for Departmental overall best Students in respective/Specific modules shall be as follows: -
 - (i) Masters not less than 75%
 - (ii) Bachelor's Degrees and Higher Diploma not less than 70%
 - (iii) Ordinary Diploma not less than 75%
 - (iv) Basic and Technician Certificate not less than 80%.

18.0 REVIEW OF THESE REGULATIONS

These regulations may be reviewed from time to time as would be appropriate when need arises.

NB: Without prejudice, for the proper administration and management of these Guidelines and Regulations, the Department may make sub-regulations stipulating specific issues and requirements relevant to their exigency.

19.0 AVAILABILITY OF ESSENTIAL INFRASTRUCTURE

19.1. Available Physical Facilities

The National Institute of Transport has the following physical facilities to enable it carry out its activities:

- (a) Classrooms
- (b) A Library
- (c) A Cafeteria
- (d) A Dispensary/Health Centre
- (e) Students Halls of residence
- (f) Academic staff offices

- (g) Mosque
- (h) Recreation facilities football playground and basketball, volleyball, pool table etc.
- (i) A Training Workshop
- (j) A Computer Laboratory
- (k) A Learning Resource Unit

19.2. DESCRIPTIONS OF SOME OF THE PHYSICAL FACILITIES

19.2.1. The Library

The Institute has a library which accommodates a variety of books, journals, periodicals and other items such as newspapers and unpublished materials. The library has an outstanding collection in relation to transport education and could be one of the best in Tanzania.

Being one of the most important facilitations in the Institution, the Library is a centre of knowledge creation and development and a centre of learning. The Library therefore provides the following services:

- Collection development (Acquisitions)
- Processing and packaging information needs for students, staff and NIT community Information dissemination process.
- Maintaining both card catalogues and the online catalogue (WEB LIS).

19.2.2. Cafeteria

The Institute has privatized the catering services and some meals on a cafeteria service system are served. All customers are required to pay cash at the counter. Also meals can be prepared and served on a pre-arranged agreement.

19.2.3. Dispensary/Health Centre/Hospital

The Institute has a Dispensary where the services of a medical officer are available for students, members of NIT Staff and their families and any person who is a member of the National Health Insurance Fund. Students and members of staff and their families also get medical services from government and private hospitals which provide the services to members of the fund.

19.2.4. Students' Halls of Residence

Students are housed in two buildings i.e. Nyerere and Moringe Halls of Residence. The capacity of these two buildings is limited to only 250 residents at any one moment for both females and males. With assistance from the Dean of Students, students are advised to arrange for accommodation outside the Institute.

19.2.5. Playgrounds

Games and sports are organized by the Office of the Dean of Students. All students are encouraged to participate in sports and games and are eligible to take

part in sport events and competitions such as inter-hall and interim institutional competitions. Currently there are playgrounds for football, volleyball and Netball.

19.2.6. Mosque

The Institute has a mosque for Muslims which can accommodate up to fifty (50) persons at any one time. For Christians, churches exist within the neighborhood.

19.2.7. Training Workshops

The workshop provides facilities for practical training of Automobile Technicians in automobiles systems and components repairs and maintenance. Graduates through the workshops are able to gain necessary practical skills to enable them to undertake diagnosis, repairs and maintenance challenges associated with modern and contemporary vehicles. The critical skills gained through the workshop practices include engine overhaul, wheel alignment, panel beating and spraying, nozzle and injector pump servicing.

The workshop is expected to launch a comprehensive Vehicle Road Worthiness testing services using modern facilities for brake testing, wheel sideslip tester alignment, head light tests, axle-load and body dimensions, under body inspection and emission control tests.

20.0. STUDENT BY-LAWS

These rules have been drafted under the authority of and approved by the Governing Council of the National Institute of Transport. The Rector is responsible to the Council for ensuring their observance. Rules 1-2 apply in particular to students residing in the Institute campus during semester time and vacation alike. Rules 3-8 apply to all students who are residents. The rules are:

20.1. Out of Bound and Guests

- (a) Students are required to be on the campus not later than 11.00 pm
- (b) Students may entertain visitors in their rooms between 2.00 p.m. and 10.00 p.m. on weekdays, and between 9.00 a.m. and 10.00 p.m. on weekends and holidays.
- (c) Students wishing to take visitors into Institute's buildings other than the halls of residence must obtain prior permission from the relevant Institute authority.

Leave of Absence

Students may obtain leave of absence of up to 10 days during a semester time on application to the Dean of Students. Such application should be accompanied with written approval of the student's Head of Department.

Any leave longer than 10 days shall need the approval of the Rector.

No student shall absent oneself from the Institute during semester time without permission as under this rule.

20.2. Driving of Self Propelled Vehicles

Any Student wishing to keep and drive a motor vehicle (including scooters and motor cycles) on the Institute campus must first register the vehicle with the Transport Officer.

- (a) Registration must include the production for inspection of:
 - (i) The motor vehicle registration number,
 - (ii) The motor vehicle road license,
 - (iii) The current certificate of insurance where requested, certificate of road worthiness.
 - (iv) Such registration must be renewed annually.
- (b) At the time of registration of the motor vehicle the students must also produce a clean current driving license for inspection in one's own name.
- (c) A student's rights to drive a motor vehicle on the Institute campus may be withdrawn after any driving regarded by the Institute's Administration as reckless or dangerous.

20.3. Paid Employment

No student may undertake paid employment of any kind or attend courses offered by other Institutes during semester time without prior permission from the Rector. Assurance will need to be provided that the student's academic work will not suffer through such employment.

20.4. Students' Conduct

The Institute is concerned with students' conduct both on and outside the Institute Campus, and reserves the right to take disciplinary action in respect of any misconduct, whether it occurs on or off the campus by referring to the Student By-Laws 2012.

20.4.1. Damages to and Losses of Institute's property

Students shall report without delay, loss and damages whether accidental or otherwise directly to the appropriate officer in charge of the section.

The cost of replacement of any loss or damage to the Institute's property arising out of malicious, reckless or negligent act shall be borne by the student(s) concerned.

Where damage or loss is caused by student whose identities are not known the cost of repair or replacement shall be shared by all the students involved.

20.4.2. Student's Debts to the Institute

Any student who has outstanding debts to the Institute out of either credits or loss or damage of property of the Institute, shall not be allowed to sit for the semester

examinations unless he/she clears the debt or enters into written agreement with the Institute that he/she will clear the debt after the examinations. Any damage or loss caused during and after the last semester examination(s) will have to be settled before the results of the last examination (s) are released to the student and employer, in case the liability exceeds the amount of caution money.

20.4.3.Smoking

Smoking is not permitted in the Library or elsewhere during lectures, seminars and laboratory classes, or in any other places that will be specified by the Deputy Rector – Planning, Financial Administration from time to time.

20.4.4.Telephone

Institute's telephone may not be used for students' private calls.

20.4.5.Institute's Transport Services

No student may use Institute's transport services for his or her own private purposes; provided that where it is necessary for a student to receive urgent medical attention, the use of Institute's transport may be authorized.

Officials of the student's union or of student's societies or clubs may, with prior written permission from the Transport Officer, make use of the Institute's transport in accordance with conditions specified by the Transport Officer.

20.4.6.Residence

Students are expected to live in the Institute's halls of residence or off campus as conditions shall determine.

20.4.7.Student Rooms

Students are required to take good care of the rooms they occupy. They are responsible for the daily cleaning of these rooms. Students may not fix nails or paper on the walls of their rooms.

They may not move furniture from other parts of the Institute premises into their own rooms or furniture from their own rooms into other parts of the Institute premises. A student wishing to supplement the furniture or furnishings provided by the Institute in his/her own rooms may do so only after obtaining the prior consent of the DR-PFA. A student wishing to have an outside material installed must consult the DR-PFA who will arrange for the work to be done. No electrical appliances other than reading-lamp, electric razor, hair dryer, radio or record players may be used in the student's rooms. It should be noted that plug points are on the lighting circuits, and will not take power appliances without damage. Students should report to the Deputy Rector Planning Finance and Administration (DR PFA) without delay any damage (whether accidental or otherwise).

20.4.8.Musical Instruments and Noise

Musical instruments (i.e. record-players, radio sets and instruments which students play), must not be used in the Institute's premises between the hours of 11.15p.m.

and 7.00 a.m.

At no time must musical instruments be played with excessive noise.

Any noise or disorderly conduct that could cause inconvenience to other students will be regarded as an offence.

20.4.9. Vacation of Residence

Permission to stay in the halls of residence during vacation is in every case contingent upon the payment in advance of all residence charges at the rate currently in force as stated in Student By-Laws 2012, Chapter 1.5 section (1) and (2).

20.4.10. Institute's Staff

The services of members of the Institute's staff (including the staff of the student's union premises) may not be used by students either in personal or in an official capacity without authorization of the Deputy Rector Planning, Finance and Administration.

20.4.11. Correspondence

The Rector or the person to whom this power has been delegated by him is the only spokesman for the Institute.

An individual student may write to or otherwise communicate with the press only in his individual capacity and shall clearly sign so.

Students may not write to or communicate with a foreign government representative here or abroad and our mission abroad provided that the Rector can arrange to communicate with foreign governments and representatives and our mission abroad on behalf of the students in case of necessity.

20.4.12. Students' Marriages

Married students, like any other students, shall be required to comply with the Institute's students' rules and regulations.

No separate family accommodation shall be provided by the Institute to married couples.

20.5. STUDENTS' DISCIPLINARY COMMITTEE

20.5.1. Functions of the Students' Disciplinary Committee

The Students' Disciplinary Committee shall investigate and hear charges of misconduct against students, save for misconduct relating exclusively to examination matters.

20.5.2. Composition of the Students' Disciplinary Committee

The Student Disciplinary Committee shall consist of the following persons:

- (a) The Deputy Rector Planning Finance and Administration who shall be the Chairman;
- (b) The Registrar;
- (c) The Head of the Department in which the student concerned is studying;

- (d) The Chairman of Academic Staff Association;
- (e) President of Students' Organization; or his/her representative
- (f) A Law Staff member (if any);
- (g) The Dean of Students shall be the secretary of the committee.
- (h) Any other member or members of staff to be appointed by the Rector as the situation permits.

20.5.3. Notice to Accused Student

For the purpose of a hearing by the Students' Disciplinary Committee, the Dean of Students (the Disciplinary Committee) shall, in consultation with the staff member referred to in paragraph 5.10 (in so far as it is applicable) prior to the date of the hearing give the accused student at least 'two (2) or five (5) working days as specified in paragraph 4.5' written notice of the date, time and place appointed for his appearance before the Students' Disciplinary Committee, together with a statement informing him of:-

- (a) The charge against him and giving adequate particulars of his alleged misconduct;
- (b) His right to;
 - (i) Attend the hearing when evidence is led and arguments are adduced;
 - (ii) Answer to the charge in writing at least four working days before the hearing;
 - (iii) Be assisted, if he is a minor, by his parent or guardian or, at the discretion of the Students' Disciplinary Committee, by any other person appointed by such parent or guardian; and
 - (iv) Be represented by a staff member appointed by the accused student if he so wishes.

20.5.4. Notice of Urgency

In an urgency situation, the period of the notice for the accused student to respond and appear before the Disciplinary Committee can be shortened to a shorter period as the situation dictates.

20.5.5. Rights of the accused Student and Powers of the Prosecutor

- (a) The accused student shall have the right to:
 - (i) Examine any written documentation, or acceptable copies thereof, which relate to the hearing and, subject to such conditions as may be laid down by the Dean of students or a person authorized by him, any other exhibit;
 - (ii) Give evidence himself/herself;
 - (iii) Call witnesses or have them called by the person assisting him;

- (iv) Examine, or have examined, the witness (es) testifying against him;
 - (v) Re-examine, or have re-examined, his own witness (es);
 - (vi) Argue his own case or have it argued after all the evidence has been led; and/or
 - (vii) Lead evidence in mitigation of any disciplinary measure(s);
 - (viii) Address the Student Disciplinary Committee, or have it addressed, on any disciplinary measure(s) which may be imposed upon him in terms of paragraph 6.6.
- (b) The person conducting a disciplinary case against an accused student or the prosecutor referred to in paragraph 5.10 may:-
- (i) Call witnesses and examine and re-examine the witness(es) giving evidence against the accused student;
 - (ii) Examine the accused student, if he gave evidence, as well as any other person who testified on behalf of the accused student; and
 - (iii) Argue the disciplinary case after all the evidence have been read, but before the accused student has been given the opportunity to argue his own case or to have it argued by the person assisting him.

20.5.6. Disciplinary Measures

- (a) Deprivation of a right or privilege resulting from his enrolment as a student at the Institute that is summary dismissal /de-registration from studies and not be allowed for re-enroll with the Institute for at least two years,
- (b) Suspension of the period to be determined by the Rector which will not be less than one month but not more than 12 months,
- (c) A written reprimand and/or warning,
- (d) A fine amounting to not more than twice the annual tuition fee for a full respect course he is pursuing,
- (e) Payment of compensation or the reparation of damage caused by his misconduct,
- (f) Denial of the right or privilege to register for a particular study unit or units, and/or the withdrawal of a credit or credits obtained in a study unit or units,
- (g) Denial of the privilege to register again as a student at the Institute for particular period,
- (h) Any other disciplinary measure which the Students' Disciplinary Committee deems suitable in the particular circumstances,
- (i) Provided that if a student is temporarily or permanently deprived in terms of this code of a right or privilege which he enjoys as a student or if he is temporarily or permanently denied admission to the Institute, such student

shall forfeit any claim for repayment, reduction or remission of moneys related to fees/admission process paid or payable to the Institute.

20.5.7. Student's Disciplinary Actions on Criminal Acts

- (a) Where a Student commits a Criminal act, the Disciplinary Committee shall on consultation with the Institute management convene a meeting to establish whether the act committed by a student is a criminal or not and if it is a criminal whether the Institute should wholly surrender the case to the relevant legal authorities or proceed pursuing the case on a part of misconduct aspect,
- (b) For the purpose of this provision, a criminal act shall be defined as: - all those acts which violate the Penal Code Act Cap 16 or any other law that provide for Criminal acts,
- (c) Where it is established that a student has committed a crime, the Management shall report the matter to the Police force for necessary action, notwithstanding that the Institute will not be barred to continue with internal disciplinary proceeding as deems appropriate,
- (d) The Management shall immediately suspend the student from studying pending investigation, and conclusive determination by Court of Law.

20.5.8. Students' Disciplinary Appeals Committee

The Institute shall have the Disciplinary Appeals Committee.

20.5.9. Functions of the Committee

Appeals against findings of a disciplinary committee shall be heard by the Disciplinary Appeals Committee and shall be disposed off with the provisions contained in this chapter.

20.5.10. Composition of the Disciplinary Appeals Committee

The Disciplinary Appeals Committee shall consist of the following persons:

- (a) The Chairman of the Disciplinary Appeals Committee shall be the Rector.
- (b) The Deputy Rector Planning, Finance and Administration shall be the Secretary;
- (c) The Deputy Rector Academic Research and Consultancy;
- (d) The Chairman of Academic Staff Association;
- (e) The President of Students' Organization;
- (f) Two members from Institutions of Higher Learning nominated by the Rector.
- (g) Two other senior members of staff not present in the first disciplinary committee preferably a Lawyer to be included.

Note: The majority of members to this committee are not members of the disciplinary committee which tried the student concerned.

20.5.11. General procedures of conducting Appeals Committee

- (a) A student who has been found guilty of misconduct may, within 14 days of being informed in writing of the findings of the disciplinary committee concerned, appeal to the Disciplinary Appeals Committee by lodging a written notice of appeal with the Rector and shall pay a fee to be determined by the Rector; Provided that a student who has been found guilty of misconduct after having pleaded guilty to the charge against him shall have no right of appeal in the notice of appeal. The appeals fee shall be reviewed from time to time,
- (b) On receipt of a notice of appeal a copy of such notice shall be forwarded to the Chairman of the disciplinary committee that heard the charge, where upon the disciplinary committee, where necessary with the assistance of the person referred to in paragraph 5.10, may within a reasonable period draw up a reply to the grounds for appeal and submit it to the Chairman of the Disciplinary Appeals Committee,
- (c) An appeal shall be heard solely on the grounds of the record of the hearing concerned, together with any document(s) and exhibit(s) placed before the disciplinary committee concerned in the course of the hearing, except where the appeal is based on a material irregularity that is alleged to have occurred in the cause of the proceedings but does not appear as such from the record,
- (d) For the purposes of an appeal the appellant, or the person assisting him, or any other person allowed by the Disciplinary Appeals Committee, or the disciplinary committee concerned, may make written or with the leave of the Disciplinary Appeals Committee, verbal representations to the Disciplinary Appeals Committee.
- (e) After considering an appeal, the Disciplinary Appeals Committee may uphold it either wholly or in part and set aside or amend the decision of the disciplinary committee concerned, or may disallow the appeal and confirm the decision either wholly or in part, or, before reaching a final decision concerning the appeal, refer any question pertaining to the hearing back to the disciplinary committee concerned and order that a report be submitted. The disciplinary measure imposed by the disciplinary committee shall not, however, be increased, unless the Disciplinary Appeals Committee has given the student found guilty of misconduct prior and reasonable written notice of its intention to do so and has considered the appellant's written representations, if any, in this regard,
- (f) After disposing of an appeal the Disciplinary Appeals Committee shall submit a report to the Council and, if it deems necessary, to the Executive Committee of the Management for their information.

20.5.12. Disclosure of Findings

The provisions of paragraph 8.6 shall apply mutatis mutandis to the disclosure of a finding of the Disciplinary Appeals Committee.

21.0. DEVELOPMENT PROJECTS

The Institute has got two ongoing projects all aiming at achieving the Institute's objectives. The Projects are:

- (a) Center for Professional Development (CPD)
- (b) Automobile Workshop services

21.1. CENTRE FOR PROFESSIONAL DEVELOPMENT (CPD)

The centre is responsible for administering and managing evening classes, professional development programmes part-time programmes, tailor-made courses, seminars, short courses, and workshops.

The CPD offers the courses that are scheduled to make it possible for employees to attend and complete them on a part-time basis or during the evening sessions. The centre plays a leading role in opening up opportunities for working Tanzanians, business people and other interested nationals to further their education and training.

The centre co-ordinates initiatives by individuals of the academic staff and non-academic but professionally sound staff to conduct the continuing education programmes in various areas including transport and logistics, automobile engineering, freight clearing and forwarding, human resources management, procurement and supply, business administration and entrepreneurship.

21.1.1 Cargo Tallying for International Shipping Course

(a) Aims of this Course

A program is designed to provide participants with knowledge and soft skills in effective Cargo Tallying for International Shipping and develop attitude of working effectively with integrity under minimum supervision.

(b) Entry Qualifications

Minimum four (4) passes at D grade in any subjects excluding religious subjects in CSEE.

(c) Duration of the Course

This course lasts for **ten (10) weeks** which comprises of four (4) weeks for theory and five (5) weeks for practical training as well as one (1) week for final examinations. The total contact hours for the course are 220 hours where there are six modules with 20 contact hours each making a total of 120 hours and Cargo Tallying Operations Practical has 100 contact hours.

(d) **Course Modules**

- (i) Cargo Tallying Operations Theory
- (ii) Shipping Agency Documentation
- (iii) International Shipping Business Environment
- (iv) Ship descriptions.
- (v) Basic Shipping Agency Statistics
- (vi) Integrity Aspects.
- (vii) Cargo Tallying Operations Practical

(e) **Course Fees**

Tuition fees for the course is **Tshs. 450,000/=** per participant for the morning session, and **Tshs. 600,000/=** per participant for the evening session.

21.2. Automobile Workshop Services

The Workshop provides automotive repairs and maintenance services to the Institute's vehicles and for the public vehicles at large at reasonable fees. Some of the services provided by this Workshop include engine overhaul, wheel alignment, panel beating and spraying, nozzle and injector pump servicing.

The Workshop is expected to launch a comprehensive Vehicle Road Worthiness Testing Services using modern facilities for brake testing, wheel sideslip tester alignment, head light tests, axle-load and body dimensions, under body inspection and emission control tests

21.3 Drivers and Transport Officers Course

- (a) **Objective:** To impart knowledge and skills to participants so as to enable them to operate and supervise vehicle operations effectively and efficiently.
- (b) **Duration:** Four weeks

22.0 FEE STRUCTURE FOR VARIOUS PROGRAMMES ACADEMIC YEAR 2025/2026

22.1. FEE STRUCTURE FOR CERTIFICATE AND DIPLOMA (NTA LEVELS 4 – 6) PROGRAMMES

- 1. Logistics and Transport Management
- 2. Freight Clearing and Forwarding
- 3. Business Administration
- 4. Human Resource Management
- 5. Procurement and Logistics Management
- 6. Accounting and Transport Finance
- 7. Marketing and Public Relation
- 8. Shipping and Port Logistics Operations
- 9. Road and Railway Logistics Operations
- 10. Records Archives and Information Management
- 11. Library Information Management.

22.1.1. Local Students

(a) Direct Payment to the Institute (TZS)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Tuition Fee	770,000.00	770,000.00	820,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTE Examination Fee	15,000.00	15,000.00	15,000.00
4.	Students' Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	15,000.00	15,000.00	15,000.00
8.	Sport and Games	10,000.00	10,000.00	10,000.00
9.	*Certificate and Examination Results Transcript	-	-	50,000.00
10.	Field Work Supervision	100,000.00	100,000.00	-
SUB-TOTAL		1,000,000.00	1,000,000.00	1,000,000.00

(b) Payments to Student (TZS)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Field Work (10,000/= x 56 Days)	560,000.00	560,000.00	-
2.	Books and Stationery Allowance	200,000.00	200,000.00	200,000.00
3.	Meals (8500 x 252Days)	2,142,000.00	2,142,000.00	2,142,000.00
4.	*Accommodation (252 Days)	200,000.00	200,000.00	200,000.00
5.	Calculator	25,000.00	25,000.00	25,000.00
6.	**Health Insurance Cover	50,400.00	50,400.00	50,400.00
SUB-TOTAL		3,177,400.00	3,177,400.00	2,617,400.00
TOTAL		4,177,400.00	4,177,400.00	3,617,400.00

NOTE:

* Figure applicable for those who will be accommodated at the Institute residential halls

** Health Insurance Cover: Is mandatory should be paid in the Institute account

22.1.2. Foreign Students

(a) Direct payments to the Institute (USD)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Tuition Fee	385.00	385.00	410.00
2.	Institute Examination Fee	20.00	20.00	20.00
3.	NACTE Examination Fee	10.00	10.00	10.00
4.	Students' Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00
7.	Library Membership Fee	10.00	10.00	10.00
8.	Sport and Games	5.00	5.00	5.00
9.	*Certificate and Examination Results Transcript	-	-	25.00
10.	Field Work Supervision	50.00	50.00	-
SUB-TOTAL		505.00	505.00	505.00

(b) Direct Payments to the Student (USD)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (12\$ x52 Weeks)	624.00	624.00	624.00
3.	*Field Work (\$5x 56 Days)	280.00	280.00	-
4.	Books and Stationery Allowance	100.00	100.00	100.00
5.	Calculator	15.00	15.00	15.00
6.	** Meals (\$5 x 252 Days)	1,260.00	1,260.00	1,260.00
7.	** Accommodation (\$ 5 x252 Days)	1,260.00	1,260.00	1,260.00
8.	Resident Class C Permit	120.00	-	-
9.	***Health Insurance Cover	40.00	40.00	40.00
SUB-TOTAL (B)		4,419.00	4,299.00	4,019.00
TOTAL (A+B)		4,924.00	4,804.00	4,524.00

NOTE:

*Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and USD per current exchange rate.

***Health Insurance Cover: Is mandatory should be paid in the Institute account.

22.2. FEE STRUCTURE FOR CERTIFICATE AND ORDINARY DIPLOMA (NTA LEVELS 4-6) PROGRAMMES

- (a) Automobile Engineering
- (b) Mechanical Engineering
- (c) Information Technology
- (d) Telecommunication and Railway Signaling Engineering
- (e) Electrical Engineering with Railway Electrification
- (f) Automobile Engineering and Locomotive Technology
- (g) Civil and Transportation Engineering
- (h) Mechanical Engineering with Railway Vehicle Technology
- (i) Electronics and Telecommunication Engineering
- (j) Electrical Engineering
- (k) Pipe Works Oil and Gas Engineering
- (l) Shipbuilding and Repair
- (m) Auto Electrical and Electronic Engineering

22.2.1. Local Students

(a) Direct Payment to the Institute (TZS)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Tuition Fee	770,000.00	770,000.00	720,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTE Examination Fee	15,000.00	15,000.00	15,000.00
4.	Students' Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	15,000.00	15,000.00	15,000.00
8.	Sports and Games	10,000.00	10,000.00	10,000.00
9.	Certificate and Examination Results Transcript	-	-	50,000.00
10.	Final Project	-	-	100,000.00
11.	Field Work Supervision	100,000.00	100,000.00	-
SUB-TOTAL		1,000,000.00	1,000,000.00	1,000,000.00

(b) Direct Payments to the Student (TZS)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Field Work (10,000/= x 56 Days)	560,000.00	560,000.00	-
2.	Books and Stationery Allowance	200,000.00	200,000.00	200,000.00
3.	Meals (8500 x 252Days)	2,142,000.00	2,142,000.00	2,142,000.00
4.	*Accommodation(252 Days)	200,000.00	200,000.00	200,000.00
5.	Scientific Calculator	75,000.00	75,000.00	75,000.00
6.	**Health Insurance Cover	50,400.00	50,400.00	50,400.00
7.	Project	-	-	400,000.00
SUB-TOTAL		3,227,400.00	3,227,400.00	3,067,400.00
TOTAL		4,277,400.00	4,277,400.00	4,067,400.00

NOTE:

* Figure applicable for those who will be accommodated at the Institute residential halls.

** Health Insurance Cover: Is mandatory.

22.2.2.Foreign Students

(a) Direct payments to the Institute (USD)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Tuition Fee	385.00	385.00	360.00
2.	Institute Examination Fee	20.00	20.00	20.00
3.	NACTVET Examination Fee	10.00	10.00	10.00
4.	Students' Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.0	10.00	10.00
6.	Identity Card			10.00
7.	Library Membership Fee		10.00	10.00
8.	Sport and Games		5.00	5.00
9.	Certificate and Examination Results Transcript	-	-	25.00
10.	Final Project			50
11.	Field Work Supervision		50.00	50.00
SUB-TOTAL (A)		505.00	505.00	505.00

(b) Direct Payments to the Student (USD)

SNo	Item	NTA Level 4	NTA Level 5	NTA Level 6
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (12 x52 Weeks)	624.00	624.00	624.00
3.	*Field Work (\$ 5x 56 Days)	280.00	280.00	-
4.	Books and Stationery Allowance	155.00	155.00	155.00
5.	Scientific Calculator	40.00	40.00	40.00
6.	** Meals (\$10 x 252 Days)	2,520.00	2,520.00	2,520.00
7.	** Accommodation (\$ 5 x252 Days)	1,260.00	1,260.00	1,260.00
8.	Resident Class C Permit	120.00	-	-
9.	***Health Insurance Cover	40.00	40.00	40.00
SUB-TOTAL (B)		5,759.00	5,639.00	5,359.00
TOTAL (A+B)		6,264.00	6,144.00	5,864.00

NOTE:

*Minimum recommended figure.

**Figure applicable for those who will be accommodated at the Institute and USD as per current exchange rate

*** Health Insurance Cover: Is mandatory.

22.3. FEE STRUCTURE FOR HIGHER DIPLOMA AND BACHELOR'S DEGREE (NTA LEVELS 7-8) PROGRAMMES

1. Bachelor's Degree in Automobile Engineering,
2. Bachelor's Degree in Mechanical Engineering,
3. Bachelor's Degree in Naval Architecture and Marine Engineering,
4. Bachelor's Degree in Civil and Railway Engineering,
5. Bachelor's Degree in Telecommunication and Railway Signaling Engineering,
6. Bachelor 'sDegree in Electrical and Railway Electrification Engineering.

22.3.1. Local Students

(a) Direct Payment to the Institute in (TZS)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Tuition Fee	1,265, 000.00	1,265, 000.00	1,265,000.00	1,165,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00	40,000.00
3.	NACTVET Examination Fee	20,000.00	20,000.00	20,000.00	20,000.00
4.	Student Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00	20,000.00
7.	Sports and Games	10,000.00	10,000.00	10,000.00	10,000.00
8.	Library Membership Fee	15,000.00	15,000.00	15,000.00	15,000.00
9.	*Certificate and Examination Results Transcript	-	-	-	50,000.00
10.	Field Work Supervision	100,000.00	100,000.00	100,000.00	-
11.	Final Project Supervision	-	-	-	150,000.00
SUB-TOTAL		1,500,000.00	1,500,000.00	1,500,000.00	1,500,000.00

(b) Direct Payments to the Student in (TZS)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	*Field Work (10000/= x 56 Days)	560, 000.00	560, 000.00	560, 000.00	168,000.00
2.	Books and Stationery Allowance	240,000.00	240,000.00	240,000.00	240,000.00
3.	Meals (8500 x 252 Days)	2,142,000.00	2,142,000.00	2,142,000.00	2,142,000.00
4.	**Accommodation (252 Days)	200,000.00	200,000.00	200,000.00	200,000.00
5.	Scientific Calculator	75,000	75,000	75,000	75,000
6.	Special Requirements	400,000.00	400,000.00	400,000.00	400,000.00
7.	Final Project Realization	-	-	-	1,000,000.00
8.	Study Tour Visit	50,000.00	50,000.00	50,000.00	50,000.00
9.	***Health Insurance Cover	50,400.00	50,400.00	50,400.00	50,400.00
SUB-TOTAL		3,717,400.00	3,717,400.00	3,717,400.00	4,157,400.00
TOTAL		5,217,400.00	5,217,400.00	5,217,400.00	5,657,400.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute residential halls.

*** Health Insurance Cover: Is mandatory.

22.3.2.Foreign Students

(a) Direct Payment to the Institute in (USD)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Tuition Fee	635.00	635.00	635.00	585.00
2.	Institute examination Fee	20.00	20.00	20.00	20.00
3.	NACTVET Examination Fee	10.00	10.00	10.00	10.00
4.	Student Organization (SONIT) Fee	5.00	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00	10.00
7.	Library Membership Fee	5.00	5.00	5.00	5.00
8.	Sports and Games	10.00	10.00	10.00	10.00
9.	*Certificate and Examination Results Transcript	-	-	-	25.00
10.	Field Work Supervision	50.00	50.00	50.00	-
11.	Final Project Supervision	-	-	-	75.00
SUB-TOTAL (A)		755.00	755.00	755.00	755.00

(b) Direct Payments to the Student in (USD)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Vacation Allowance	720.00	720.00	720.00	720.00
2.	Stipend (\$12 x52weeks)	624.00	624.00	624.00	624.00
3.	*Field work (\$5 x 56 Days)	280.00	280.00	280.00	-
4.	Books and Stationery	120.00	120.00	120.00	120.00
5.	**Meals (\$5 x 252 Days)	1,260.00	1,260.00	1,260.00	1,260.00
6.	**Accommodation (\$5 x 252 Days)	1,260.00	1,260.00	1,260.00	1,260.00
7.	Scientific Calculator	40.00	40.00	40.00	40.00
8.	Resident Class C Permit	120.00	-	-	-
9.	***Health Insurance Cover	40.00	40.00	40.00	40.00
10.	Study Tour Visit	25.00	25.00	25.00	25.00
11.	Special Requirements	200.00	200.00	200.00	200.00
12.	Final Project Realization	-	-	-	500.00
SUB-TOTAL (B)		4,689.00	4,569.00	4,569.00	4,789.00
TOTAL (A+B)		5,444.00	5,324.00	5,324.00	5,544.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and USD as per current exchange rate.

***Health Insurance Cover: Is mandatory.

22.4. FEE STRUCTURE FOR HIGHER DIPLOMA AND BACHELOR'S DEGREE (NTA LEVELS 7-8) PROGRAMMES IN:

1. Bachelor's Degree in Information Technology
2. Bachelor's Degree in Computer Science

22.4.1 Local Students

(a) Direct Payment to the Institute in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	1,265,000.00	1,265,000.00	1,165,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTVET Examination Fee	20,000.00	20,000.00	20,000.00
4.	Student Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	15,000.00	15,000.00	15,000.00
8.	Sports and Games	10,000.00	10,000.00	10,000.00
9.	Certificate and Examination Results Transcript	-	-	50,000.00
10.	Field Work Supervision	100,000.00	100,000.00	-
11.	Final Project Supervision	-	-	150,000.00
SUB-TOTAL (A)		1,500,000.00	1,500,000.00	1,500,000.00

(b) Direct Payments to the Student in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	*Field Work (10000/= x 56 Days)	560,000.00	560,000.00	560,000.00
2.	Books and Stationery Allowance	240,000.00	240,000.00	240,000.00
3.	Meals (8500 x 252 Days)	2,142,000.00	2,142,000.00	2,142,000.00
4.	**Accommodation (252 Days)	200,000.00	200,000.00	200,000.00
5.	Scientific Calculator	75,000	75,000	75,000
6.	Special Requirements	400,000.00	400,000.00	400,000.00
7.	Final Project Realization	-	-	1,000,000.00
8.	Study Tour Visit	50,000.00	50,000.00	50,000.00
9.	***Health Insurance Cover	50,400.00	50,400.00	50,400.00
SUB-TOTAL (B)		3,717,400.00	3,717,400.00	4,717,400.00
TOTAL (A+B)		5,217,400.00	5,217,400.00	6,217,400.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and USD as per Current exchange rate

*** Health Insurance Cover: Is mandatory.

22.4.2.Foreign Students

(a) Direct Payment to the Institute in (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	635.00	635.00	585.00
2.	Institute examination Fee	20.00	20.00	20.00
3.	NACTVET Examination Fee	10.00	10.00	10.00
4.	Student Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00
7.	Library Membership Fee	10.00	10.00	10.00
8.	Sports and Games	5.00	5.00	5.00
9.	Certificate and Examination Results Transcript	-	-	25.00
10.	Field Work Supervision	50.00	50.00	-
11.	Final Project Supervision	-	-	75.00
SUB-TOTAL		755.00	755.00	755.00

(b) Direct Payments to the Student in (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (\$12x 52 weeks)	624.00	624.00	624.00
3.	*Field work (\$5 x 56 Days)	280.00	280.00	280.00
4.	Books and Stationery	155.00	155.00	155.00
5.	**Meals (5 x 252 Days)	1,260.00	1,260.00	1,260.00
6.	**Accommodation (5 x 252 Days))	1,260.00	1,260.00	1,260.00
7.	Scientific Calculator	40.00	40.00	40.00
8.	Resident Class C Permit	-	120.00	-
9.	***Health Insurance Cover	40.00	40.00	40.00
10.	Special Requirements	200.00	200.00	200.00
11.	Final Project Realization	-	-	500.00
12.	Study Tour Visit	25.00	25.00	25.00
SUB-TOTAL (B)		4,724.00	4,604.00	5,104.00
TOTAL (A+B)		5,479.00	5,359.00	5,859.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and USD as per current exchange rate.

*** Health Insurance Cover: Is mandatory.

22.5. FEE STRUCTURE FOR HIGHER DIPLOMA & BACHELOR'S DEGREE (NTA- LEVELS 7-8) PROGRAMMES IN

1. Logistics and Transport Management,
2. Shipping and Port Logistics Management,
3. Road and Railway Transport Logistics Management,
4. Procurement and Logistics Management,
5. Business Administration,
6. Human Resource Management,
7. Accounting and Transport Finance,
8. Marketing and Public Relation.

22.5.1 Local Students

(a) Direct Payment to the Institute in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	1,270,000.00	1,270,000.00	1,320,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTVET Examination Fee	15,000.00	15,000.00	15,000.00
4.	Students' Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	15,000.00	15,000.00	15,000.00
8.	Sport and Games	10,000.00	10,000.00	10,000.00
9.	*Certificate and Examination Results Transcript	-	-	50,000.00
10.	Field Work and Research	100,000.00	100,000.00	-
SUB-TOTAL (A)		1,500,000.00	1,500,000.00	1,500,000.00

(b) Direct Payments to Student in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	*Field Work (10,000/= x 56 Days)	560,000.00	560,000.00	-
2.	Books and Stationery Allowance	240,000.00	240,000.00	240,000.00
3.	Meals (8500 x 252Days)	2,142,000.00	2,142,000.00	2,142,000.00
4.	**Accommodation (252 Days)	200,000.00	200,000.00	200,000.00
5.	Calculator	30,000.00	30,000.00	30,000.00
6.	Research	-	-	100,000.00
7.	Study Tour/Visit	50,000.00	50,000.00	50,000.00
8.	***Health Insurance Cover	50,400.00	50,400.00	50,400.00
SUB-TOTAL (B)		3,272,400.00	3,272,400.00	2,812,400.00
GRAND TOTAL (A+B)		4,772,400.00	4,772,400.00	4,312,400.00

NOTE: * Minimum recommended figure.
 ** Figure applicable for those who will be accommodated at the Institute residential halls.
 *** Health Insurance Cover: Is mandatory.

22.5.2 Foreign Students

(a) Direct payments to the Institute in (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	635.00	635.00	660.00
2.	Institute Examination Fee	20.00	20.00	20.00
3.	NACTVET Examination Fee	10.00	10.00	10.00
4.	Students' Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00
7.	Library Membership Fee	10.00	10.00	10.00
8.	Sport and Games	5.00	5.00	5.00
9.	Certificate and Examination Results Transcript	-	-	25.00
10.	Field Work Supervision	50.00	50.00	-
SUB-TOTAL (A)		755.00	755.00	755.00

(b) Direct Payments to the Student in (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (12 x 52 Weeks)	624.00	624.00	624.00
3.	*Field Work (\$ 5x 56 Days)	280.00	280.00	-
4.	Books and Stationery Allowance	120.00	120.00	120.00
5.	** Meals (\$5 x 252 Days)	1,260.00	1,260.00	1,260.00
6.	** Accommodation (\$ 5 x 252 Days)	1,260.00	1,260.00	1,260.00
7.	Resident Class C Permit	120.00	-	-
8.	***Health Insurance Cover	40.00	40.00	40.00
9.	Calculator	40.00	40.00	40.00
10.	Research	-	-	50.00
11.	Study Tour/Visit	25.00	25.00	25.00
SUB-TOTAL (B)		4,489.00	4,369.00	4,139.00
TOTAL (A+B)		5,244.00	5,124.00	4,894.00

NOTE: * Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and USD as per current exchange rate.

*** Health Insurance Cover: Is mandatory.

22.6. FEE STRUCTURE FOR BACHELOR'S DEGREE OF EDUCATION IN MATHEMATICS AND INFORMATION TECHNOLOGY (NTA LEVES 7-8)

22.6.1 Local Students

(a) Direct Payment to the Institute in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	1,270,000.00	1,270,000.00	1,310,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTVET Examination Fee	15,000.00	15,000.00	15,000.00
4.	Students' Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	15,000.00	15,000.00	15,000.00
8.	Sport and Games	10,000.00	10,000.00	20,000.00
9.	Certificate and Examination Results Transcript	-	-	50,000.00
10.	Field Work	100,000.00	100,000.00	-
SUB-TOTAL (A)		1,500,000.00	1,500,000.00	1,500,000.00

(b) Direct Payments to Student in (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	*Field Work (10,000/= x 56 Days)	560,000.00	560,000.00	-
2.	Books and Stationery Allowance	240,000.00	240,000.00	240,000.00
3.	Meals (8500 x 252Days)	2,142,000.00	2,142,000.00	2,142,000.00
4.	**Accommodation (252 Days)	200,000.00	200,000.00	200,000.00
5.	Calculator	30,000.00	30,000.00	30,000.00
6.	Special Requirements	400,000.00	400,000.00	-
7.	Study Tour/Visit	50,000.00	50,000.00	50,000.00
8.	***Health Insurance Cover	50,400.00	50,400.00	50,400.00
SUB-TOTAL (B)		3,672,400.00	3,672,400.00	2,712,400.00
TOTAL (A+B)		5,172,400.00	5,172,400.00	4,212,400.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute residential halls.

*** Health Insurance Cover: Is mandatory.

22.6.2. Foreign Students**(a) Direct payments to the Institute in USD**

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	635.00	635.00	655.00
2.	Institute Examination Fee	20.00	20.00	20.00
3.	NACTE Examination Fee	10.00	10.00	10.00
4.	Students' Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00
7.	Library Membership Fee	10.00	10.00	10.00
8.	Sport and Games	5.00	5.00	5.00
9.	*Certificate and Examination Results Transcript	-	-	25.00
10.	Field Work Supervision	50.00	50.00	-
SUB-TOTAL (A)		755.00	755.00	755.00

(b) Direct Payments to the Student in USD

S/No	Item	1st year	2nd year	3rd year
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (12 x52 Weeks)	624.00	624.00	624.00
3.	*Field Work (\$ 5x 56 Days)	280.00	280.00	-
4.	Books and Stationery Allowance	120.00	120.00	120.00
5.	** Meals (\$5 x 252 Days)	1,260.00	1,260.00	1,260.00
6.	** Accommodation (\$ 5 x252 Days)	1,260.00	1,260.00	1,260.00
7.	Calculator	40.00	40.00	40.00
8.	Resident Class C Permit	120.00	-	-
9.	***Health Insurance Cover	40.00	40.00	40.00
10.	Special Requirements	200.00	200.00	-
11.	Study Tour/Visit	25.00	25.00	25.00
SUB-TOTAL (B)		4,689.00	4,569.00	4,089.00
TOTAL (A+B)		5,444.00	5,324.00	4,844.00

NOTE:

* Minimum recommended figure.

** Figure applicable for those who will be accommodated at the Institute and US \$ as per Current Exchange Rate.

***Health Insurance Cover: Is mandatory.

22.7. CERTIFICATE AND ORDINARY DIPLOMA (NTA LEVELS 4-6) PROGRAMES IN AIRCRAFT MAINTENANCE ENGINEERING

22.7.1. Local Students

(a) Direct Payment to the Institute (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	4,665,000.00	4,665,000.00	4,565,000.00
2.	Institute Examination Fee	40,000.00	40,000.00	40,000.00
3.	NACTVET Fee	15,000.00	15,000.00	15,000.00
4.	Student Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00
5.	Registration Fee	20,000.00	20,000.00	20,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00
7.	Library Membership Fee	30,000.00	30,000.00	30,000.00
8.	Sports and Games	50,000.00	50,000.00	50,000.00
9.	Certificate and Examination Result Transcript	-	-	50,000.00
10.	Final Project	-	-	200,000.00
11.	Field work supervision	150,000.00	150,000.00	-
SUB-TOTAL		5,000,000.00	5,000,000.00	5,000,000.00

(b) Direct Payment to the Students (TZS)

S/No	Item	1st year	2nd year	3rd year
1.	Field work (15,000/= x 60 days)	900,000.00	900,000.00	-
2.	Books and stationery Allowance	300,000.00	300,000.00	300,000.00
3.	Meals (10,000 x 252Days)	2,520,000.00	2,520,000.00	2,520,000.00
4.	*Accommodation (252 Days)	200,000.00	200,000.00	200,000.00
5.	Scientific Calculator	75,000.00	75,000.00	75,000.00
6.	**Health Insurance Cover	50,400.00	50,400.00	50,400.00
7.	Special Faculty Requirement	200,000.00	200,000.00	200,000.00
8.	Field work (20,000/= x 90days)	-	-	600,000.00
SUB-TOTAL		4,245,400.00	4,245,400.00	3,945,400.00
TOTAL		9,245,400.00	9,245,400.00	8,945,400

22.7.2.Foreign Students

(a) Direct Payment to the Institute (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Tuition Fee	2,335.00	2,335.00	2285.00
2.	Institute Examination Fee	20.00	20.00	20.00
3.	NACTVET fee	10.00	10.00	10.00
4.	Student Organization (SONIT) Fee	5.00	5.00	5.00
5.	Registration Fee	10.00	10.00	10.00
6.	Identity Card	10.00	10.00	10.00
7.	Library Membership Fee	15.00	15.00	15.00
8.	Sports and Games	25.00	25.00	25.00
9.	*Certificate and Examination Result Transcript	-	-	25.00
10.	Final Project	-	-	100.00
11.	Field work supervision	75.00	75.00	-
SUB-TOTAL (A)		2,505.00	2,505.00	2,505.00

(b) Direct Payment to the Student (USD)

S/No	Item	1st year	2nd year	3rd year
1.	Vacation Allowance	720.00	720.00	720.00
2.	Stipend (12 x52 Weeks)	624.00	624.00	624.00
3.	Field work (\$7.5 x 60 days)	450.00	450.00	-
4.	Books and stationery Allowance 150.00	150.00	150.00	
5.	Meals (\$5 x 252Days)	1260.00	1,260.00	1260.00
6.	*Accommodation (\$5 x 252 Days)	1260.00	1,260.00	1260.00
7.	Scientific Calculator	40.00	40.00	40.00
8.	**Health Insurance Cover	40.00	40.00	40.00
9.	Special Faculty Requirement	100.00	100.00	100.00
10.	Field work (\$10 x 90days)			900.00
11.	Resident Class C Permit	120.00		
SUB-TOTAL (B)		4,764.00	4,644.00	5,094.00
TOTAL (A+B)		7,269.00	7,149.00	7,599.00

22.8. FEE STRUCTURE FOR HIGHER DIPLOMA AND BACHELOR'S DEGREE (NTA LEVELS 7-8) PROGRAMMES IN AIRCRAFT MAINTENANCE ENGINEERING

22.8.1. Local Students

(a) Direct Payment to the Institute in (TZS)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Tuition Fee	5,600,000.00	5,600,000.00	5,600,000.00	5,500,000.00
2.	Institute Examination Fee	30,000.00	30,000.00	30,000.00	30,000.00
3.	Student Organization (SONIT) Fee	10,000.00	10,000.00	10,000.00	10,000.00
4.	Registration Fee	40,000.00	40,000.00	40,000.00	40,000.00
5.	Identity Card	20,000.00	20,000.00	20,000.00	20,000.00
6.	Library Membership Fee	30,000.00	30,000.00	30,000.00	30,000.00
7.	NACTVET fee	20,000.00	20,000.00	20,000.00	20,000.00
8.	Recreation	100,000.00	100,000.00	100,000.00	100,000.00
9.	*Certificate and Result transcript	-	-	-	50,000.00
10.	Field work Supervision	150,000.00	150,000.00	150,000.00	-
11.	Final Project	-	-	-	200,000.00
SUB-TOTAL (A)		6,000,000.00	6,000,000.00	6,000,000.00	6,000,000.00

(b) Direct Payment to the Student in (TZS)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Books and stationery Allowance	500,000.00	500,000.00	500,000.00	500,000.00
2.	Meals (20,000 x 252Days)	5,040,000.00	5,040,000.00	5,040,000.00	5,040,000.00
3.	Accommodation	1,800,000.00	1,800,000.00	1,800,000.00	1,800,000.00
4.	Special Faculty Requirement	800,000.00	800,000.00	800,000.00	800,000.00
5.	Field work (20,000/= x 90days)	1,800,000.00	1,800,000.00	1,800,000.00	1,800,000.00
SUB-TOTAL (B)		9,940,000.00	9,940,000.00	9,940,000.00	9,940,000.00
TOTAL (A+B)		15,940,000.00	15,940,000.00	15,940,000.00	15,940,000.00

22.8.2. Foreign Students

(a) Direct Payment to the Institute in (USD)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Tuition Fee	2,800.00	2,800.00	2,800.00	2,750.00
2.	Institute Examination Fee	15.00	15.00	15.00	15.00
3.	Student Organization (SONIT) Fee	5.00	5.00	5.00	5.00
4.	Registration Fee	20.00	20.00	20.00	20.00
5.	Identity Card	10.00	10.00	10.00	10.00
6.	Library Membership Fee	15.00	15.00	15.00	15.00
7.	NACTVET fee	10.00	10.00	10.00	10.00
8.	Recreation	50.00	50.00	50.00	50.00
9.	Certificate and Result transcript	-	-	-	25.00
10.	Field work Supervision	75	75	75	-
11.	Final Project				100
SUB-TOTAL (A)		3,000.00	3,000.00	3,000.00	3,000.00

(b) Direct Payment to the Student in (USD)

S/No	Item	1st year	2nd year	3rd year	4th year
1.	Vacation Allowance	720.00	720.00	720.00	720.00
2.	Stipend (12x52 Weeks)	624.00	624.00	624.00	624.00
3.	Books and stationery Allowance	250.00	250.00	250.00	250.00
4.	Meals (10x252 Days)	2,520.00	2,520.00	2,520.00	2,520.00
5.	Accommodation	900	900	900	900
6.	Special Faculty Requirement	400	400	400	400
7.	Field work (10 x 90 days)	900	900	900	900
8.	Resident Class C Permit	120.00	-	-	-
9.	**Health Insurance Cover	40.00	40.00	40.00	40.00
SUB-TOTAL (B)		6,474.00	6,354.00	6,354.00	6,354.00
TOTAL (A+B)		9,474.00	9,354.00	9,354.00	9,354.00

22.10. FEE STRUCTURE FOR MASTER OF SCIENCE IN LOGISTICS AND TRANSPORT MANAGEMENT

22.10.1. Direct Payments to the Institute

S/No.	Item	Tanzania Local Students in TShs.		Non Tanzanians Students (USD)	
		First Year Semester I + II (12 Months)	Second Year Semester III Dissertation (6 Months)	First Year Semester I + II (18 Months)	Second Year Semester III Dissertation (6 Months)
1.	Tuition Fee	1,950,000.00	1,900,000.00	975	950
3.	Registration Fee	30,000.00	-	15	-
4.	Institution Examination	125,000.00	125,000.00	65	65
5.	Student Organization (SONIT)	20,000.00	20,000.00	10	10
6.	TCU Quality Assurance Supervision	150,000.00	150,000.00	75	75
7.	Registration Fee	50,000.00	-	25	-
8.	Identity Card	30,000.00	-	15	-
9.	Library Membership Fee	30,000.00	-	15	-
10.	Dissertation Supervision/ Examinations	500,000.00	500,000.00	250	250
11.	General Administrative fee	175,000.00	175,000.00	90	90
12.	*Certificate/Academic Transcript	-	70,000.00	-	35
TOTAL		3,060,000.00	2,940,000.00	1,535	1475
Grand Total		6,000,000.00		3,010	

(b) Direct Payments to Student

S/No.	Item	First Year		Second Year	
		Local (Tzs)	Non-Tz Student (USD)	Local (Tzs)	Non-Tz Student (USD)
1.	Stipend (Accommodation, Meal and pocket money)	3,500,000.00	1,610.00	3,500,000.00	1,610.00
2.	Thesis/Dissert. Production	-	-	400,000.00	300.00
3.	Books	500,000.00	230.00	-	400.00
4.	Stationery	200,000.00	95.00	-	150.00
5.	Insurance cover	100,000.00	150.00	100,000.00	150.00
6.	Research Fund	-	-	2,500,000.00	2,000.00
Total		4,300,000.00	2,085.00	6,500,000.00	4,610.00

22.11 FEE STRUCTURE FOR MASTERS DEGREE (NTALEVEL 9) PROGRAMME IN MECHANICAL ENGINEERING WITH TRANSPORTATION MACHINERY

(a) Direct payment to the Institute

S/No.	Item	Tanzania Local Students in (TZS)		Non-Tanzanians Students (USD)	
		First Year Semester I + II (12 Months)	Second Year Semester III Dissertation	First Year (US \$)	6 Months (US \$)
1.	Tuition Fee	1,950,000.00	1,900,000.00	975	950
2.	Registration Fee	80,000.00	-	40	-
3.	Institution Examination	125,000.00	125,000.00	65	65
4.	Student Organization (SONIT)	20,000.00	20,000.00	10	10
5.	TCU Quality Assurance Supervision	150,000.00	150,000.00	75	75
6.	Identity Card	30,000.00	-	15	-
7.	Library Membership Fee	30,000.00	-	15	-
8.	Dissertation Supervision/Examinations	500,000.00	500,000.00	250	250
9.	General Administrative fee	175,000.00	175,000.00	90	90
10.	*Certificate/Academic Transcript	-	70,000.00	-	35
TOTAL		3,060,000.00	2,940,000.00	1,535	1475
Grand Total		6,000,000.00		3,010	

(b) Direct Payments to Student

S/No.	Item	First Year		Second Year	
		Local (Tzs)	Non-Tz Students (USD)	Local (Tzs)	Non-Tz Students (USD)
1.	Stipend (Accommodation, Meal and pocket money)	3,500,000.00	1,610.00	3,500,000.00	1,610.00
2.	Thesis/Dissert. Production	-	-	400,000.00	300.00
3.	Books	500,000.00	230.00	-	400.00
4.	Stationery	200,000.00	95.00	-	150.00
5.	Insurance cover	100,000.00	150.00	100,000.00	150.00
6.	Research Fund	-	-	2,500,000.00	2,000.00
Total		4,300,000.00	2,085.00	6,500,000.00	4,610.00

**22.12. FEE STRUCTURE FOR MASTERS DEGREE (NTA LEVEL 9)
PROGRAMME IN SHIPPING AND PORT LOGISTICS MANAGEMENT**

S/No.	Item	Tanzanian Students (TZS)		Non Tanzanian Students (USD)	
		First Year Semester I + II (12 Months)	Second Year Semester III Dissertation (6 Months)	First Year Semester I + II	6 Months (US \$)
1.	Tuition Fee	1,580,000.00	790,000.00	790	395
2.	Institution Examination	125,000.00	125,000.00	65	65
3.	Student Organization (SONIT)	20,000.00	20,000.00	10	10
4.	Quality Assurance Supervision	150,000.00	150,000.00	75	75
5.	Registration Fee	80,000.00	-	40	-
6.	Identity Card	30,000.00	-	15	-
7.	Library Membership Fee	30,000.00	30,000.00	15	15
8.	Dissertation Administrative and Supervision Cost	500,000.00	500,000.00	250	250
9.	General/Administrative Service Fee	175,000.00	175,000.00	90	90
10.	Certificate and Academic Transcript	-	70,000.00	-	30
TOTAL		2,690,000.00	1,860,000.00	1,350	930
GRAND - TOTAL		4,550,000.00		2,280	

(b) Direct Payments to Student

S/No.	Item	First Year		Second Year	
		Tanzanian Students (TZS)	Non-Tanzanian Students	Local (Tzs)	Non-Tz Students (USD)
1.	Stipend (Accommodation, Meal and pocket money)	3,500,000.00	1,750	3,500,000.00	1,750
2.	Thesis/Dissert. Production	-	-	400,000.00	200
3.	Books	500,000.00	250	-	-
4.	Stationery	200,000.00	100	-	-
5.	Insurance cover	100,000.00	50	100,000.00	50
6.	Research Fund	-	-	2,500,000.00	1,250
TOTAL		4,300,000.00	2,150	6,500,000.00	3,250

NOTE:

Direct payment to student is the Minimum recommended figure.

22.13. FEE STRUCTURE FOR MASTERS DEGREE (NTA LEVEL 9) PROGRAMME IN PROCUREMENT, LOGISTICS, AND SUPPLY CHAIN MANAGEMENT

S/No.	Item	Tanzanian Students (TZS)		Non Tanzanian Students (USD)	
		First Year Semester I + II (12 Months)	Second Year Semester III Dissertation (6 Months)	First Year Semester I + II (12 Months)	Second Year Semester III Dissertation (6 Months)
1.	Tuition Fee	1,580,000.00	790,000.00	790	395
2.	Institution Examination	125,000.00	125,000.00	65	65
3.	Student Organization (SONIT)	20,000.00	20,000.00	10	10
4.	Quality Assurance Supervision	150,000.00	150,000.00	75	75
5.	Registration Fee	80,000.00	-	40	-
6.	Identity Card	30,000.00	-	15	-
7.	Library Membership Fee	30,000.00	30,000.00	15	15
8.	Dissertation Administrative and Supervision Cost	500,000.00	500,000.00	250	250
9.	General/Administrative Service Fee	175,000.00	175,000.00	90	90
10.	Certificate and Academic Transcript	-	70,000.00	-	30
TOTAL		2,690,000.00	1,860,000.00	1,350	930
GRAND - TOTAL		4,550,000.00		2,280	

(b) Direct Payments to Student

S/No.	Item	First Year		Second Year	
		Tanzanian Students (TZS)	Non Tanzanian Students (USD)	Tanzanian Students (TZS)	Non Tanzanian Students (USD)
1.	Stipend (Accommodation, Meal and pocket money)	3,500,000.00	1,750	3,500,000.00	1,750
2.	Thesis/Dissert. Production	-	-	400,000.00	200
3.	Book	500,000.00	250	-	-
4.	Stationery	200,000.00	100	-	-
5.	Insurance cover	100,000.00	50	100,000.00	50
6.	Research Fund	-	-	2,500,000.00	1,250
TOTAL		4,300,000.00	2,150	6,500,000.00	3,250

NOTE:

Direct payment to student is the Minimum recommended figure..

22.14. FEE STRUCTURE FOR CARRY-OVER AND RETAKE MODULE(S)

S/No.	FEE ITEM	NTA LEVEL				
		4	5	6	7	8
1.	Tuition Fee Per Module	66,000.00	66,000.00	76,000.00	118,500.00	126,000.00
2.	Institution Examination	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
3.	NACTVET Fee	15,000.00	15,000.00	15,000.00	20,000.00	20,000.00
4.	Student's Organization (SONIT)	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
5.	Registration	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
6.	Identity Card	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
7.	Library Membership	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Total		141,000.00	141,000.00	151,000.00	198,500.00	206,000.00

Other cost (Penalty items payable to the Institute

S/No.	COST ITEM	Tanzanian (Tsh)	Non-Tanzanian (US\$) Dollar
1.	Late registration; registering in the third week after the commencement of semester	10,000/= per day	5 per day
2.	Extension of registration period	50,000/= per month	45 per month
3.	Late submission and approval of research, Industrial Training Report/Project/Work; e.g., Beyond the set deadline	50,000/= per month	45 per month
4.	Late submission of Industrial/ Fieldwork report(s)	50,000/= per month	45 per month
5.	Provisional Examination Results	5,000/=	5 (US\$)

22.15. FEE STRUCTURE FOR AVIATION PROFESSIONAL COURSES

(a) Direct payments to the Institute

AB-INITIO CABIN CREW COURSE TUTION FEE			
S/No.	Item	TSHS	USD
1.	Cabin Crew Tuition Fee	2,200,000.00	900.00
2.	Flight Operations Officer Course	2,850,000.00	1,200.00

(b) Direct payments to the students

S/No.	Item	TSHS	USD
1.	Uniform	280,000.00	110.00
2.	Meals	8,500 per day	4.00
3.	Accommodation	100,000 per semester	40.00
4.	Initial medical examination fee	350,000.00 annually	140.00
5.	Medical insurance	50,400.00 annually	20.00

Note: Fee should be paid in lump sum.

23.0 2025/2026 ACADEMIC CALENDAR FOR THE FOLLOWING PROGRAMMES

- (1) NTA Level 4-6 (Basic, Technician & Ordinary Diploma)
- (2) NTA Level 7 (Higher Diploma)
- (3) NTA Level 8 (Bachelor Degree)
- (4) NTA level 9 (Master's Degree)

(A) MINI ACADEMIC CALENDAR

STARTING DATE	ENDING DATE	WEEK(S)	SEMESTER	ACADEMIC ACTIVITIES
10th November, 2025	22nd February, 2026	15	I	1st Semester Lectures
15th December, 2025	23rd December, 2025	1		Conduct 1st Test
24th December, 2025	28th December, 2025	1		Vocation
22nd January, 2026	01th February, 2026	1		Conduct 2nd Test
19th February, 2026	08th March, 2026	2		Conduct 1st Semester Examinations
09th March, 2026	29th March, 2026	3		Vocation
30th March, 2026	12th July, 2026	15	II	2nd Semester Lectures
30th April, 2026	10th May, 2026	1		Conduct 1st Test
11th June, 2026	21st June, 2026	1		Conduct 2nd Test
09th July, 2026	26th July, 2026	2		Conduct 2nd Semester Examinations
27th July, 2026	02nd August, 2026	1		Vocation
03rd August, 2026	27th September, 2026	8		Conduct of Field work Training/ Industrial Practical Training/Teaching Practice
05th October, 2026	13th October, 2026	1		Conduct of Special/ Supplementary Examination for NTA Level 4-9

(B) FULL ACADEMIC CALENDAR

STARTING DATE	ENDING DATE	TRAINING ACTIVITIES	NTA LEVEL PROGRAMME
03rd November, 2025	9th November, 2025	Reporting, Registration and Orientation Period	NTA 4, 7I,9- First year Students
		Reporting, Registration	Continuing Students NTA 5,6 7II- III,8,9
10th November, 2025	22nd February, 2026	1st Semester Lectures	NTA 4-9
10th December, 2025	12th December, 2025	Invigilation Seminar	Academic Staff
15th December, 2025	23rd December, 2025	Conduct 1st Test for 1st Semester	NTA 4-8
24th December, 2025	28th December, 2025	Vacation	NTA 4-9
22nd January, 2026	01st February, 2026	Conduct 2nd Test for 1st Semester	NTA 4-8
9th February, 2026	13th February, 2026	Pre- Moderation of 1st Semester Examinations	NTA 4-8
19th February, 2026	08th March, 2026	Conduct 1st Semester Examinations	NTA 4-9
09th March, 2026	29th March, 2026	Marking, cross checking, moderating and posting into SIMS the 1st Semester Examinations Results	NTA 4-9
09th March, 2026	29th March 2026	Vacation	NTA 4-9
30th March, 2026	31st March, 2026	Departmental Meeting to Deliberate on the 1st semester Examination Results	NTA 4-9
01st April, 2026	2nd April, 2026	Faculty Examination Board Meeting to Deliberate on the 1st Semester Examination and Publication of Results	NTA 4-9
30th March, 2026	12th July, 2026	2nd Semester Registration and Lectures	NTA 4-9
20th April, 2026		Examination Appeals Committee Meeting	NTA 4-9
27th April, 2026	29th April, 2026	Invigilation Seminar	Academic Staff
30th April, 2026	10th May, 2026	Conduct 1st Test for 2nd Semester	NTA 4-8
22nd May, 2026		Examination Board Meeting to Approve 1st Semester Examination Results	NTA 4-9
11th June, 2026	21st June, 2026	Conduct 2nd Test for 2nd Semester	NTA 4-8
29th June, 2026	03rd July, 2026	Pre- Moderation of 2nd Semester Examinations	NTA 4-8
09th July, 2026	26th July, 2026	Conduct 2nd Semester Examinations	NTA 4-9
27th July, 2026	02nd August, 2026	Vacation	NTA 4-9
27th July, 2026	16th August, 2026	Marking, cross checking, moderating and posting into SIMS the 2nd Semester Examinations Results	NTA 4-9
17th August, 2026	18th August, 2026	Departmental Meeting to Deliberate on the 2nd Semester Examination Results	NTA 4-9

19th August, 2026	20th August, 2026	Faculty Examination Board Meeting to Deliberate on the 2nd Semester Results	NTA 4-9
03rd August, 2026	27th September, 2026	Field work/Teaching Practice/ Industrial Practical Training	NTA 4-8
08th September, 2026		Examination Appeals Committee Meeting	NTA 4-9
30th September, 2026		Examination Board Meeting to Approve 2nd Semester Examination Results	NTA 4-9
5th October, 2026	13th October, 2026	Conduct of Special & Supplementary Examinations	NTA 4-9
5th October, 2026	19th October, 2026	Marking of Special & Supplementary Examination and Posting Results into SIMS	NTA 4-9
20th October, 2026	21st October, 2026	Departmental Meeting to Deliberate on the Special/ Supplementary Examination Results	NTA 4-9
22nd October, 2026	23rd October, 2026	Faculty Examination Board Meeting to Deliberate on the Special/ Supplementary Examination Results	NTA 4-9
12th November, 2026		Examination Appeals Committee Meeting	NTA 4-9
30th November, 2026		Examination Board Meeting to Approve Annual Examination Results	NTA 4-9