DAR ES SALAAM MARITIME INSTITUTE (DMI)

ISO 9001:2015 CERTIFIED

PROSPECTUS

2024/2025

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MESSAGE FROM THE RECTOR

Prof. Tumaini S. Gurumo

The Dar-es-Salaam Maritime Institute (DMI) provides the best education for its students and prepares them for their international careers by closely following the global changes. The institute is recognized as the Centre of Excellence for Maritime Education and Training in East Africa.

With generous support from the government of the United Republic of Tanzania, DMI has grown from offering Certificate of Competency (CoC) programmes only to offering both CoC and numerous National Technical Award (NTA) programmes. Specifically, these programmes include Marine Engineering; Naval Architecture and Off-shore Engineering; Mechatronics Engineering; Mechanical and Marine Engineering; Oil and Gas; Maritime Transport and Nautical Science; Shipping and Logistics Management; Transport and Supply Chain Management; Shipping Economics and Logistics; and Maritime Law.

Our programmes are accredited by the Tanzania's maritime administration (TASAC) under the auspices of the International Maritime Organization (IMO) and the National Council for Technical and Vocational Education and Training (NACTVET). The Institute is also ISO 9001:2015 certified by IMO recognised classification society Det Norske Veritas Germanischer Lloyd (DNV.GL) to provide maritime education and certification.

Graduates from our programmes are prepared to work globally in the maritime and related industries including Shipping Companies, Maritime Training Institutions, Sea Ports, Maritime Administrations, Shipping Agencies, Salvage Companies, Marine Survey Companies, Shipyards, Transport Insurance Companies, Industrial Production Companies, Power Generating Companies, Mining Companies, Oil and Gas Exploration and Production Companies, Logistics Companies and Transport Companies.

As we set our journey to become a world-class Maritime Institute, we strive and guarantee to offer training, research and consultancy under the best conditions.

On behalf of DMI staff, I would like to invite you all to pursue your career dreams at Dar es Salaam Maritime Institute.

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CHAPTER 1: INTRODUCTION

1.1 Organisation of the Prospectus

Chapter 1 provides brief information about Dar es Salaam Maritime Institute, Chapter 2 provides information of programmes offered at the Institute, Chapter 3 describes the criteria required for admission to each programme, Chapter 4 describes module arrangements for each programme, and Chapter 5 provides brief information on DMI rules and regulations in various routine activities. Chapter 6 provides information about the fee structure and academic calendar for 2024/2025 Academic Year.

1.2 Brief Information about Dar es Salaam Maritime Institute

Dar es Salaam Maritime Institute (DMI) was established by Act of Parliament No. 22 of 1991 to cater for greater needs of Shipping Industry in the region. The Institute (DMI) originated from what was known as Dar es Salaam Maritime Training Unit (DMTU) which was established on the 3rd July 1978 as a training wing of Tanzania Coastal Shipping Line (TACOSHILI) to fulfil the need of well-trained seafarers.

DMI is the Centre of Excellence in Maritime Education and Training in the East African region. The centre has qualified Personnel and provides quality education which suits market needs in the aspect of being employed and self-employment in maritime industry. DMI offers programmes accredited by NACTVET (NTA Level 4-9) and TASAC (Certificate of Competency - CoC).

1.2.1 Vision Statement

To be the leading centre of excellence in training, research and consultancy in maritime and related disciplines.

1.2.2 Mission Statement

To provide high quality demand-driven training, research and consultancy services in maritime and related disciplines in the Sub-Saharan Africa and beyond.

1.2.3 DMI Functions

The main functions of the Institute as stipulated under section 4 of the Act establishing the DMI are: -

a) To provide facilities for the study and training in the principles, procedures and techniques of basic training of seafarers, marine engineering, navigation, management of shipping enterprises, special skills and knowledge of pilotage or tug handling and such other related subjects as the Board of Governors may from time to time decide;

b) To engage in research, consultancy services and publications into theoretical, operational and organizational problems and training needs in the subjects specified in paragraph (a);

c) To establish and foster closer association with other colleges, academies and institutions both nationally and internationally.
d) To perform all such other functions as stipulated in the DMI Act.

1.2.4 Why Study at Dar es Salaam Maritime Institute

The Institute offers a variety of programmes which provide vast opportunities to prospective students interested to achieve Certificate, Diploma, Bachelor Degree, Master's Degrees and Certificate of Competency (CoC). The Institute also offers STCW short course programmes for seafarers.

Graduates from Certificate, Ordinary diploma and Bachelor degree and Master degree programmes can work in areas such as maritime education and training institutions, ports and terminals, maritime administrations, shipping agencies, marine survey companies, shipyards, insurance companies, industrial production companies and offshore platforms. Likewise, graduate for the Certificate of Competency programmes can work at sea as marine officers on board ship or in the offshore platforms whereas graduates for STCW short course programmes can work at sea as ratings.

1.2.5 Teaching and Learning Facilities

DMI has modern teaching facilities. These include a computer-based multi-purpose instructor-monitored TRANSAS Simulator Station for ship handling and propulsion, Full Mission Engine Room Simulator, Crane Simulator, Electro-Laboratory, Deck-hand Workshop, Rescue Boat, a computer-based GMDSS simulator, Engineering Workshop, Computer Laboratories, Gyro Compass, Ship's Magnetism Simulator (SMS) for compass correction, Radio Direction Finder Simulator (RDFS) model, Live Radar, a Library and Classrooms. The Institute also has two emergency power generators standby for curbing any power blackout.

1.2.6 Eligibility for Prospective Student

A prospective student can only be considered eligible if:

- He/she satisfies the minimum academic requirements for the course as set down by NACTVET /TCU/TASAC respectively.
- He/she proves to be physically and mentally fit to pursue the course applied for;
- He/she is of good character.

1.2.7 Customer Services

The Institute has friendly customer services procedures from which students can access information related to academic issues such as admission, certification, career development, job opportunities and other student welfare.

1.2.8 Counselling Service

The Institute Counselling Service provides to individuals, support for students who are coping with difficult choices and changes in their personal life. If you need someone to talk to about any personal issues, the institute offers a caring service

that aims to:

- Allow you to explore issues in a safe and confidential environment;
- Help you to re-assess what is happening in your life and develop strategies for coping; and
- Ensure that you receive professional services whenever required or necessary. You may arrange for an individual appointment with the Dean of Students for counselling in his/her capacity.

1.2.9 Students Affairs

DMI students come from different areas and social-economic background. To manage such a multiplex culture, students have their organisation known as Dar es Salaam Maritime Institute Students Organisation (DAMISO) which is responsible for students' affairs at DMI.

1.2.10 Canteen and Stationary Services

There is a students' canteen whereby students can get service at an affordable price. There are also provisions for stationary services whereby students can get services such as photocopying, printing, scanning, laminating and binding at an affordable price.

1.2.11 Departments

All DMI departments comprise highly qualified professionals in their areas of specialization. The departments include the Department of Maritime Transport, Department of Marine Engineering, Department of Science and Management, Department of Professional Development Services, Department of Finance and Accounts and Department of Human Resource and Administration.

1.2.12 Awards

The Institute offers award of certificates at the end of the duration of the respective programme.

1.3 Organs of the Institute

1.3.1 Board of Governors

	- Chairperson (Vacant)
CPA (T) Hassan Igara Waryoba	- Member
Ms Stella Joshua Katondo	- Member
	- Member (Vacant)
	- Member (Vacant)

1.3.2 Management Team

Prof. Tumaini S. Gurumo	- Rector (Chairperson)
Prof. Wilfred J. Kileo	- DR/ARC
Dr. Lucas P. Mwisila	- DR/PFA
Dr. Werneld E. Ngongi	- DAD
Dr. Msabaha J. Mwendapole	- Ag. DASS
Mr. Jonne J. Lugoye	- Ag. RCPM

Ms. Pamela P. Bulugu	-	LSM
Ms. Christina S. Nderumaki	-	HRMAM
CPA. Moses E. Msemo	-	FAM
Mr. Anderson I. Tweve	-	PDM
Eng. Regina S. Mbilinyi	-	DEAN
CPA. Filozi J. Mayayi	-	CIA
	-	HoCM
Adv. Veronica N. Sudayi	-	HoLS
Eng. Fortunata M. Kakwaya	-	Ag. HoQA
Mr. Raymond M. Chambua	-	HoICT
Mr. Zuberi P. Msangi	-	Ag. HoPM

1.3.3 Department Coordinators

Mr. Mansour R. Likamba	-	Coordinator, Science and Management Department
Eng. Miraji A. Mkwande	-	Coordinator, Marine Engineering Department
Capt. Mohamed K. Makame	-	Coordinator, Maritime Transport Department
Eng. Deism D. Mlay	-	Coordinator, Professional Development Studies Department
Mr. Bernard P. Mgendwa	-	Coordinator, Admission Department
Mr. Frank J. Somanga	-	Coordinator, Examination Department

1.3.4 Academic Council

1.3.4.1 Academic Council Members

Prof. Tumaini S. Gurumo	-	Chairman	Rector
Prof. Wilfred J. Kileo	-	Vice Chairman	DR/ARC
Dr. Lucas P. Mwisila	-	Member	DR/PFA
Dr. Werneld E. Ngongi	-	Member	Director of Academics Directorate
Dr. Msabaha J. Mwendapole	-	Secretary	AG. Director of Academics Support Services Directorate
Eng. Lameck Sondo	-	Member	Manager Seafarers, TASAC
Dr. Coletha Komba	-	Member	Lecturer Mzumbe University
Prof. Beatus Kundi	-	Member	Professor, University of Dar es Salaam
DAMISO President	-	Member	Students' Representative

1.3.4.2 Academic Council Invitees

Adv. Veronica N. Sudayi	-	Invitee	Head of Legal

			Services Unit
Eng. Regina S. Mbilinyi	-	Invitee	Dean of Students
Mr. Mansour R. Likamba	-	Invitee	Coordinator, Science and Management Department
Eng. Miraji A. Mkwande	-	Invitee	Coordinator, Marine Engineering Department
Capt. Mohamed K. Makame	-	Invitee	Coordinator, Maritime Transport
Eng. Deism D. Mlay	-	Invitee	Coordinator, Professional Development StudiesSDepartment
Mr. Bernard P. Mgendwa	-	Invitee	Coordinator of Admission Department
Mr. Frank J. Somanga	-	Invitee	Coordinator of Examination Department

CHAPTER 2: ACADEMIC PROGRAMMES

2.1 PROGRAMMES OFFERED UNDER VARIOUS DEPARTMENTS

Programmes offered at Dar-es-salaam Maritime Institute are presented in the following sections: -

2.1.1 Maritime Transport Department

2.1.2 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)
[2] Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)
[3] Ordinary Diploma (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)
[4] Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science (BMTNS)
[5] Master Degree (NTA Level 9) in International Trade and Maritime Law (MITML)
[6] Master Degree (NTA Level 9) in Maritime Transport and Nautical Science (MMTNS)

2.1.2.1 Certificate of Competency Programmes

[1] Officer in Charge of a Navigational Watch on Ships less than 500GT
[2] Master on Ships less than 500GT (Near Coastal)
[3] Officer in Charge of a Navigational Watch
[4] Master and Chief Mate on Ships between 500GT and 3000GT
[5] Master and Chief Mate

2.1.3 Marine Engineering Department

2.1.3.1 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)
[2] Basic Technician Certificate (NTA Level 4) in Marine and Mechanical Engineering (BTCMME)
[3] Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)
[4] Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)
[5] Technician Certificate (NTA Level 5) in Marine Engineering (TCME)
[6] Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)
[7] Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering TCMME)
[8] Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)
[9] Technician Certificate (NTA Level 5) in Marine Welding and Fabrication Engineering (TCMWF)
[10] Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)

[11] Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore Engineering (ODNAOE)
[12] Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering ODMME)
[13] Ordinary Diploma (NTA Level 6) in Oil and Gas Engineering (ODOGE)
[14] Ordinary Diploma (NTA Level 6) in Marine Welding and Fabrication (ODMWF)
[15] Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology (BMET)
[16] Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)
[17] Bachelor Degree (NTA Level 7/8 in Mechatronics Engineering (BMTE)
[18] Bachelor Degree (NTA Level 7/8 in Mechanical and Marine Engineering (BMME)
[19] Bachelor Degree (NTA Level 7/8 in Oil and Gas Engineering (BOGE)
[20] Master Degree (NTA Level 9) in Marine Engineering Management (MMEM).

2.1.3.2 Certificate of Competency Programmes

[1] Officer in Charge of an Engineering Watch on Ships less than 750kW
[2] Electro-Technical Officer
[3] Officer in Charge of an Engineering Watch
[4] Chief and Second Engineer Officer on Ships between 750kW and 3000kW
[5] Chief and Second Engineer Officer

2.1.4 Science and Management Department

2.1.4.1 NTA System Programmes

[1] Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management (BTCSLM)
[2] Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)
[3] Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)
[4] Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)
[5] Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)
[6] Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)
[7] Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)
[8] Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)
[9] Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)

[10] Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)
[11] Bachelor Degree (NTA Level 7/8) in Shipping and Logistics Management (BSLM)
[12] Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management (BPLSM)
[13] Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management (BTSM)
[14] Master Degree (NTA Level 9) in Shipping Economics and Logistics (MSEL)
[15] Master Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

2.1.5 Short Courses Offered at DMI

[1] Able Seafarer Deck
[2] Able Seafarer Engine
[3] Advanced Fire Fighting
[4] Advanced Tanker
[5] Advanced Training for Oil and Chemical Tanker Cargo Operations
[6] Automatic Radar Plotting Aid
[7] Basic Training for Oil and Chemical Tanker Cargo Operations
[8] Bridge Resource Management
[9] Crisis Management and Human Behaviour
[10] Crowd Management
[11] Dangerous, Hazardous and Harmful Cargoes
[12] Designated Security Duties
[13] Electro Technical Rating
[14] Electronic Charts Display and Information System (ECDIS) and Automation Identification System (AIS)
[15] Elementary First Aid
[16] Engine-Room Resource Management
[17] Fire Prevention and Fire Fighting
[18] GMDSS General Operator (GO)
[19] GMDSS Restricted Operator (RO)
[20] High Voltage Management Level
[21] High Voltage Operational Level
[22] Hydrogen Sulphide Awareness
[23] Leadership and Managerial Skills
[24] Leadership and Team Working Skills
[25] Marine Survey
[26] Medical Care
[27] Medical First Aid
[28] Passenger Safety, Cargo Safety and Hull Integrity
[29] Passenger Ship Safety Training
[30] Personal Safety and Social Responsibilities
[31] Personal Survival Techniques
[32] Proficiency in Fast Rescue Boat
[33] Proficiency in Survival Craft and Rescue Boats

[34] Proficiency in Designated security Duties (DPSD)
[35] Radar Navigation at Management Level
[36] Radar Navigation at Operational Level
[37] Rating Forming Part of a Navigational Watch
[38] Rating Forming Part of an Engineering Watch
[39] Refresher – Deck Ratings
[40] Refresher – Engine Room Ratings
[41] Refresher and Upgrading – Deck Officers
[42] Refresher and Upgrading – Engineer Officers
[43] Revalidation Rating
[44] Revalidation Officers
[45] Security Awareness
[46] Ship Security Officer
[47] Small Boat handling and Maintenance
[48] Ship's Cook Certificate of Competency
[49] Ship's Cook Certificate of Competency-Revalidation

CHAPTER 3: ADMISSION REQUIREMENTS FOR DMI PROGRAMMES

3.1 National Technical Award (NTA) System

Entry qualifications for NTA system programmes are presented in the following sections: -

3.1.1 Basic Technician Certificate (NTA Level 4)

3.1.1.1 Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or
- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV) or
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.1.2 Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management (BTCSLM)

- A Holder of Ordinary Level of Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.1.3 Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or

- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV)

- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.4 Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)

- A Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.5 Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)

- A Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- A Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV).
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.6 Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)

- Holder of Certificate of Secondary Education (Form IV) with at

least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or

- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV)
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.7 Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or
- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV).
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.8 Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)

- Holder of Certificate of Secondary Education (Form IV) with at least four passes at D grade in the following subjects; Mathematics, Physics/Engineering Science, Chemistry, Geography, English; or
- Holder of National Vocational Award (NVA) level III in engineering field (mechanical or electrical or civil) and must have Certificate of Secondary Education (Form IV)
- **Comoros**
  Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in Mathematic, English, Physical Science, Natural Science, Geography

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.1.9 Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

- Holder of Ordinary Level Secondary Education Certificate with at least four passes at D grade excluding religious subjects; or
- Holder of National Vocational Award (NVA) level III and must have Certificate of Secondary Education (Form IV) or

- **Comoros**

Holder of Secondary School Education from Ministry of National Education (MNE) in Comoros with at least four D grade equivalent (TZ) in any subjects excluding religious subjects

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2 Technician Certificate (NTA Level 5)

3.1.2.1 Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)

- A Holder of Basic Technician Certificate in (NTA Level 4) in Marine Operations (BTCMO)
- A Holder of Advanced Certificate of Secondary Education Examinations with at least one principal pass and subsidiary from any of the following subjects: Advanced Mathematics, Physics, Geography and Chemistry and Biology

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.2 Technician Certificate (NTA Level 5) in Marine Engineering (TCME)

- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)
- A Holder of Advanced Certificate of Secondary Education Examinations with at least one principal pass and subsidiary from any of the following subjects: Advanced Mathematics, Physics, Geography and Chemistry

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.3 Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal passes and subsidiary; or
- A Holder of Basic Technician Certificate in Shipping and Logistics Management or Logistics and Transport Management; or
- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO); or
- Holder of Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.4 Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

- A Holder of Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.5 Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal pass and subsidiary; or
- A Holder of Basic Technician Certificate in Procurement, Logistics and Supply Chain Management or Basic Technician Certificate in Transport and Supply Chain Management or Basic Technician Certificate in Shipping and Logistics Management or Basic Technician Certificate in Logistics and Transport Management or Basic Technician Certificate in Cargo Tallying and Supply Chain Management; or
- A Holder of Basic Technician Certificate in Marine Operations (BTCMO).

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.6 Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)

- A Holder of Advanced Certificate of Secondary Education Examination with at least 1 principal pass and subsidiary; or
- A Holder of Basic Technician Certificate in Transport and Supply

Chain Management or Basic Technician Certificate in Logistics and Supply Chain Management or Basic Technician Certificate in Shipping and Logistics Management or Basic Technician Certificate in Logistics and Transport Management; or

- A Holder of Basic Technician Certificate in Marine Operations (BTCMO).

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.7 Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

- A Holder of Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.8 Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

- A Holder of Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.9 Technician Certificate (NTA Level 5) in Marine Welding and Fabrication Engineering (TCMWF)

- A Holder of Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication Engineering (BTCMWF)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.2.10 Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering

- A Holder of Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

Duration of the Course
The duration of the course is one (1) academic year organized in two semesters.

3.1.3 Ordinary Diploma NTA Level 6

3.1.3.1 Ordinary Diploma in (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)

A Holder of Technician Certificate) (NTA Level 5) in Maritime Transport (TCMTNS)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.2 Entry Qualification for Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)

A Holder of Technician Certificate in (NTA Level 5) Marine Engineering (TCME)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.3 Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)

Holder of Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.4 Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore Engineering (ODNAOE)

A Holder of Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.5 Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)

Holder of Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.6 Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)

A Holder of Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.7 Ordinary Diploma (NTA Level 6) in Oil Gas Engineering (ODOGE)

Holder of Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.8 Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering (ODMME)

A Holder of Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.3.9 Ordinary Diploma in Marine Welding and Fabrication (ODMWF)

A Holder of Technician Certificate (NTA Level 5) in Marine Welding and Fabrication (TCMWF)

Duration of the Course

The duration of the course is one (1) academic year organized in two semesters.

3.1.4 Bachelor Degree (NTA Level 7/8)

3.1.4.1 Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science – (BMTNS)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes in the following subjects Advanced Mathematics**,** Physics, Chemistry or Geography with an aggregate of 4.0 points or Foundation Programme of the OUT with a minimum GPA of 3.0.

- A Holder of an Ordinary Diploma in Maritime Transport, or

Ordinary Diploma in Maritime transport and Nautical Science or Ordinary Diploma in Fisheries Science and Technology or Ordinary Diploma in Master Fisherman with at least a GPA of 3.0 from a recognized Institution.

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.2 Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology – (BMET)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes with a total of 4.0 points from Advanced Mathematics, Physics and Chemistry subjects or; Foundation Programme of the OUT with a minimum GPA of 3.0.
- Holder of an Ordinary Diploma (NTA Level 6) in Marine Engineering with at least a GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering, or Ordinary Diploma in Automobile Engineering, Ordinary Diploma in Electrical Engineering or Ordinary Diploma in Electronics Engineering or Ordinary Diploma in Mechanical Engineering with at least a GPA of 3.0

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.3 Bachelor Degree (NTA Level 7/8) in Shipping and Logistics Management (BSLM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0.

- Holder of Ordinary Diploma (NTA level 6) in Shipping and Logistics Management, Ordinary Diploma in Logistics and Transport, Ordinary Diploma in Maritime Transport, Ordinary Diploma in Fisheries Science and Technology, Ordinary Diploma in Master Fisherman, Ordinary Diploma in Marine Engineering, Ordinary Diploma in Procurement and Logistics, Ordinary Diploma in Freight Clearing and Forwarding, Ordinary Diploma in Shipping and Port Management and Ordinary Diploma in Transport Management, Ordinary Diploma in Project Planning and Management, Ordinary Diploma in Customs and Taxi Management, Ordinary Diploma in Information Technology/Computer science

with at least a GPA of 3.0; or

- A holder of Full Technician Certificate (FTC) with an average grade of B; or
- A Holder of Diploma in Education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or Economics, or Geography, or Commerce;

Duration of the Course
The duration of the course is three (3) academic years organized in six semesters

3.1.4.4 Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)

- A Holder of Advanced Certificate of Secondary Education Examination with two principal passes with a total of 4.0 points in the following subjects; Physics, Advanced Mathematics Geography or Chemistry or Foundation Programme of the OUT with a minimum GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in Naval Architecture and offshore Engineering with at least a GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in either Marine Engineering, Mechanical Engineering, Automobile Engineering, Civil engineering, Shipbuilding, Oil and Gas (Petroleum) Engineering, Mechanical and Marine Engineering, Electrical Engineering or Electronics Engineering with at least a GPA of 3.0 from a recognized institution and at least 3 passes at 'O' level in in the following sub-jects: Mathematics, Physics/Engineering Science, Geography, Chemistry or English.

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.5 Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management – (BPLSM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Procurement and Supply Chain Management, Ordinary Diploma in Logistics and Supply Chain Management/ Ordinary Diploma in Logistics and Transport /Ordinary Diploma in Freight Clearing and Forwarding/ Ordinary Diploma in Maritime Transport / Ordinary Diploma in shipping and Port Operations management with at least a GPA of 3.0; or

- Full Technician Certificate (FTC) with an average grade of B; or
- A Holder of Diploma in education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or Economics, or Geography, or Commerce.

Duration of the Course:
The duration of the course is three (3) academic years organized in six semesters

3.1.4.6 Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management – (BTSM)

- Two principal passes in the following subjects: Advanced Mathematics, Physics, Chemistry, Biology, Accountancy, Geography, Economics or Commerce, History, English/Literature or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management, Ordinary Diploma in Shipping and Logistics Management with at least a GPA of 3.0; or
- A Holder of Ordinary Diploma (NTA Level 6) in Logistics and Supply Chain Management/ Ordinary Diploma in Logistics and Transport /Ordinary Diploma in Freight Clearing and Forwarding/ Ordinary Diploma in Maritime Transport / Ordinary Diploma in shipping and Port Operations management with at least a GPA of 3.0; or
- Full Technician Certificate (FTC) with an average grade of B
- A Holder of Diploma in Education with an average grade of B+ in Mathematics, or Physics/Engineering Science, or Chemistry, or Economics, or Geography, or Commerce.

Duration of the Course:
The duration of the course is three (3) academic years organized in six semesters

3.1.4.7 Bachelor Degree (NTA Level 7/8) in Oil and Gas Engineering – (BOGE)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes with a total of 4.0 points from Advanced Mathematics, Physics, Geography and Chemistry subjects; or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of an Ordinary Diploma (NTA Level 6) in Oil and Gas Engineering with at least a GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in either Oil and Gas Engineering Technology, Ordinary Diploma in Naval Architecture and Offshore Engineering, Ordinary Diploma in Mechanical and Marine Engineering, Ordinary Diploma in Mining

Engineering, Electrical Engineering and Civil Engineering with at least a GPA of 3.0 from a recognized institution.

Duration of the Course:
The duration of the course is four (4) academic years organized in eight semesters

3.1.4.8 Bachelor's Degree (NTA Level 7/8) in Mechanical and Marine Engineering – (BMME)

- A Holder of Advanced Certificate of Secondary Education Examinations with two principal passes with a total of 4.0 points from Advanced Mathematics, Physics and Chemistry subjects; or Foundation Programme of the OUT with a minimum GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering with at least a GPA of 3.0 from a recognized Institution
- A Holder of an Ordinary Diploma (NTA Level 6) in Marine Engineering, Mechanical Engineering, Automobile Engineering, Electrical Engineering or Electronics Engineering with at least a GPA of 3.0.

Duration of the Course
The duration of the course is four (4) academic years organized in eight semesters.

3.1.4.9 Bachelor Degree (NTA Level 7/8) in Mechatronic Engineering – (BMTE)

- A Holder of Advanced Certificate of Secondary Education Examination with at least two principal passes with a total of 4.0 points in the following subjects; Advanced Mathematics, Physics, and Chemistry; or Foundation Programme of the OUT with a minimum GPA of 3.0; or
- A Holder of an Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering with at least a GPA of 3.0.
- A Holder of an Ordinary Diploma (NTA Level 6) in Marine Engineering, Mechanical Engineering, Ordinary Diploma in Mechatronics Engineering, Ordinary Diploma in Automobile Engineering, Ordinary Diploma in Electrical Engineering or Ordinary Diploma in Electronics Engineering with at least a GPA of 3.0

Duration of the Course:
The duration of the course is four (4) academic years organized in eight semesters

3.1.5 Master's Degree (NTA Level 9)

3.1.5.1 Entry Qualification for Master's Degree (NTA Level 9) in Shipping

Economics and Logistics (MSEL)

- A holder of Bachelor Degree in Shipping and Logistics Management, Procurement and Logistics or Supply Chain Management, logistics and Transport Management, Cooperative, Shipping and International Trade, Maritime Transport and Nautical science, Marine Engineering Technology, Computer Science, Engineering, Ship Design and Construction, Business Management or Administration, Public Administration, Finance, Economics, Accountancy, Mathematics/Statistics, Arts, Humanities, Social Sciences, Education, Banking, Taxation, Human Resource Management , Community Development, Insurance and Social Security, and Insurance and Risk Management with minimum GPA 2.7; Or
- A holder of Advanced Diploma in (i) with minimum GPA 3.0; Or
- A holder of Unclassified Bachelor Degree verified by TCU/NACTVET; Or
- Holder of professional qualification CPSP/CPA; Or
- Holder of Advanced Diploma with Postgraduate Diploma in a relevant field; Or
- Chief Engineer Officer or Master Mariner from International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW), 1978 as amended; Or

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.2 Entry Qualification for Master's Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

- A holder of Bachelor Degree in Transport and Supply Chain Management, Shipping and Logistics Management, Procurement and Logistics or Supply Chain Management, Cooperative, Shipping and International Trade, Maritime Transport and Nautical science, Marine Engineering Technology, Computer Science, Engineering, Ship Design and Construction, Business Management or Administration, Public Administration, Finance, Economics, Accountancy, Mathematics/Statistics, Arts, Humanities, Social Sciences, Education, Banking, Taxation, Human Resource Management , Community Development, Insurance and Social Security, and Insurance and Risk Management with minimum GPA 2.7 or equivalent qualification approved by NACTVET; Or
- A holder of Advanced Diploma in Transport and Supply Chain Management, Shipping and Logistics Management, Port Management, Procurement, Logistics and Supply Chain Management, Maritime Transport and Marine Engineering with minimum GPA 3.0; Or

- A holder of unclassified Bachelor Degree in Transport and Supply Chain Management, Shipping and Logistics Management/Procurement, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical science, Marine Engineering Technology, Science, Engineering, Business administration, Economics, Accountancy and Mathematics/Statistics with a distinction; Or
- A holder of professional qualification CPSP/CPA; Or Professional Training qualifications such as Chief Engineer Officer or Master Mariner

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.3 Master's Degree (NTA Level 9) in Marine Engineering Management

- A Holder of Bachelor Degree in Marine Engineering Technology, Marine and Mechanical Engineering, Electrical Engineering, Automobile Engineering, Naval Architecture and offshore Engineering, Ship Building Petroleum Engineering or Electronics Engineering with minimum GPA of 2.7 or
- A holder of Advanced Diploma in Marine Engineering Technology, Mechanical Engineering, Automobile Engineering or Electronics Engineering with minimum GPA 3.0

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.4 Master's Degree (NTA Level 9) in Maritime Law and International Trade

- A Holder of Bachelor Degree in Law, Banking/Commerce, Finance, Shipping and Logistics, Maritime Transport, Transport and supply Chain, Marine Engineering and Technology with minimum GPA of 2.7 or
- A holder of Advanced Diploma in Maritime Transport or Marine Engineering Technology with minimum GPA 3.

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.5.5 Master's Degree (NTA Level 9) in Maritime Transport and Nautical Science

- A holder of Bachelor degree in Maritime Transport, Maritime Transport and Nautical Science, Nautical Science or Navigation with

minimum GPA of 2.7

- A holder of Advanced Diploma in Maritime Transport, Maritime Transport and Nautical Science, Nautical Science or Navigation with minimum GPA of 3.0

Duration of the Course:
The duration of the course is two (2) academic years organized in four semesters.

3.1.6 Certificate of Competency Programmes

- Entry qualifications for Certificate of Competency programmes are presented in the following sections. However, eligibility for admission is subject to approval from TASAC.

3.1.6.1 Officer in Charge of an Engineering Watch on Ships less than 750kW

- A Holder Certificate of Secondary Education Examination with 12 months approved seagoing service as rating.

Duration of the Course:
The duration of the course is 6 months.

3.1.6.2 Officer in Charge of a Navigation Watch on Ships less than 500GT

- A Holder Certificate of Secondary Education Examination with 12 months approved seagoing service as rating.

Duration of the Course:
The duration of the course is 6 months.

3.1.6.3 Electro-Technical Officer

- A candidate who applies for this course must meet the entry requirements as explained in the two routes below:

A: 36 month seagoing service route

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics/Engineering Science and English or a holder of a Certificate in Marine Engineering NTA level 5 and has not less than 36 months of approved seagoing service in Engine department.

B: 12 month seagoing service route

- A holder of ACSE with principal passes in Mathematics and Physics; or

- A holder of a relevant NTA level 6 of education.
- The candidate under this route will undergo a period of an approved seagoing service of not less than 12 months in Engine Department as electrical rating.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.4 Officer in Charge of an Engineering Watch

A candidate who applies for this course must meet the entry requirements as explained in the two routes below:

A: 36 months seagoing service route

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics and English; or
- A Holder of a Technician Certificate in Marine Engineering NTA level 5

The candidate under this route will undergo a period of an approved seagoing service of not less than 36 months.

B: 12 months seagoing service route

- A holder of ACSE with 2 principal passes in Mathematics, Physics or Chemistry; or
- A Holder of CoC for Officer in Charge of Engineering Watch less than 750 kW

The candidate under this route will undergo a period of an approved seagoing service of not less than 12 months.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.5 Officer in Charge of a Navigational Watch

- A holder of Certificate of Secondary Education Examination with 4 passes including Mathematics, Physics and English and has 36 months seagoing service as rating; or
- A Holder of a Technician Certificate in Maritime Transport NTA level 5 and has 36 months seagoing service as rating

- A holder of ACSE with 2 principal passes in Mathematics, Physics or Geography with 12 months of approved seagoing service; or
- Holder of Officer in Charge of a Navigational Watch on Ships less than 500GT with 12 months of approved seagoing service on board ship.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.6 Master on Ships less than 500GT

- A holder of Officer in Charge of a Navigational Watch on Ships less than 500GT and have not less than 12 months of seagoing service on board ship as Officer in Charge of Navigation Watch on Ships less than 500GT.

Duration of the Course:
The duration of the course is six (6) months organized in one semester.

3.1.6.7 Master and Chief Mate on Ships between 500GT and 3000GT

- A holder of Certificate of Competency as officer in charge of a Navigational watch on ships of 500GT or more and has not less than 12 months of approved seagoing service.
- To qualify as a Master a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Chief Mate.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.8 Master and Chief Mate

- A candidate who applies for this course must be a holder of certificate of competency as officer in charge of a navigational watch on ships of 500 gross tonnage or more and has not less than 12 months of approved seagoing service or 36 seagoing service.

3.1.6.9 Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW

- A holder of Certificate of Competency as officer in charge of an Engineering watch on seagoing ships powered by main propulsion machinery of 750 kW propulsion power or more and has not less

than 12 months of seagoing service while qualified as officer in charge of an engineering watch.

- To qualify as a Chief Engineer officer a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Second Engineer Officer.

Duration of the Course:
The duration of the course is one (1) academic year organized in two semesters.

3.1.6.10 Chief Engineer Officer and Second Engineer Officer

- A holder of Certificate of Competency as officer in charge of an Engineering watch on seagoing ships powered by main propulsion machinery of 750 kW propulsion power or more and has not less than 12 months of seagoing service while qualified as officer in charge of an engineering watch.
- To qualify as a Chief Engineer officer a candidate must have not less than 24 months seagoing service of which not less than 12 months of such sea service has been served as Second Engineer Officer.

3.2 Procedures for Applications and Admission

3.2.1 Direct Entry Scheme

(i) Applicants are required to apply through DMI online link of **http://osim.dmi.ac.tz** in which the information about the modality and procedures for application will be accessible. For more information visit DMI website: **http://www.dmi.ac.tz.**

(ii) All applications with all necessary requirement/certificates are processed and finally selected applicants are notified through the Institute website or individual osim-accounts.

(iii) Online applications must be accompanied by a non-refundable application fee of Tsh. 20,000/= (for NTA Level 4-7) and Tsh. 50,000/= (for NTA Level 9) for Tanzanian applicants, USD20 (for NTA Level 4-7) and USD50 (for NTA Level 9) for non-Tanzanian payable to the Dar es Salaam Maritime Institute through NBC Bank, NMB Bank and Mobile networks using Control Number which will be generated by the applicant through OSIM-SAS.

(iv) All interested candidates are required to fill the online application forms and complete within the announced deadline.

(v) Non-disclosure of details or provision of false information to any of the sections in the application form if discovered shall render the candidate's registration with the Dar es Salaam Maritime Institute cancelled.

3.3 Other Important Information Related to Admission

3.3.1 Registration

All selected students are required to register after they have paid prescribed fee within the first two weeks after arrival at the Institute. Specifically, the deadline for registration of first year students is two weeks from the first day of the orientation week, while for continuing students it is the second week after the beginning of the first semester session.

3.3.2 Institute Regulations

Upon admission, all fresher must obtain and read thoroughly the following guidelines: (Other information can be accessed on DMI Website (http://www.dmi.ac.tz).

i. Students by Law
ii. Examination Guideline
iii. The Constitution of the Dar es Salaam Maritime Institute Students Organization (DAMISO).
iv. Industrial Practical Training (IPT) Guidelines
v. Library Guidelines
vi. Postgraduate guidelines special for postgraduate students
vii. All admitted students are expected to comply entirely with institute guideline.
viii. Any other procedure and guidelines issued by DMI from time to time.

3.3.3 During registration every student must produce the following documents:

i. Joining Instructions sent to him/her
ii. A duly filled acceptance form to abide by the Institute Rules and Guidelines
iii. A duly filled medical examination form
iv. All the original receipts/pay in slips of the money paid to the Institute through the Bank
v. Original certificates, academic transcripts and statement of results.
vi. A birth certificate/affidavit.
vii. 1 passport size
viii. All foreign students are required to apply for residence permit from their nearest Tanzania Embassy before they depart for Tanzania.
ix. TCU Certified undergraduate certificates for candidates who graduated in other Universities/Institutes/colleges outside Tanzania.
x. NECTA/NACTVET equivalence of grades for candidates with foreign certificates.

3.3.4 Other Procedures

i. Every student shall report at the Institute at the beginning of the semester on a prescribed date by the Institute. Any student who fails to report at the

Institute on the prescribed date but reports not later than seven days from the date of reporting and without showing any reasonable cause for the failure to do so, shall be liable to receive a written warning from the Registrar.

ii. A students who have been selected but cannot register for any reason cannot defer the admission to the next academic year. Such students need to apply afresh.

iii. A student who postpones studies will be required to report at the Institute at the corresponding date and semester in the following academic year.

iv. No change of names by student is entertained during the course of study at the Institute. Names appearing on the original academic certificates shall be used.

v. No student is allowed to change course, except in very exceptional circumstances. In the latter case, no student is allowed to change course later than the second week after the beginning of the first semester session.

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

vii. Students shall be allowed to be away from studies for a maximum of two academic years if they are to be allowed for re-admission to the same year of studies where they left.

viii. Students discontinued from studies on academic grounds may be readmitted to a different programme in the immediate next academic year or in the same programme after lapse of two years.

ix. Students discontinued from studies on disciplinary grounds are barred from readmission to any programme at the Institute.

CHAPTER 4: PROGRAMME AND SEMESTER MODULE ARRANGEMENT

4.1 National Technical Award (NTA) System

4.1.1 Range of Score and Grade Points Average

NTA Level 4 and 5

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	80-100	4.0
2	B	Good	65-79	3.0
3	C	Satisfactory	50-64	2.0
4	D	Poor	40-49	1.0
5	F	Failure	0.0-39	0.0
6	I	Incomplete		
7	Q	Disqualified		

NTA Level 6

S/N	Grade	Description	Score ranges	Grade Point
1	A	Excellent	75-100	5.0
2	B^+	Very Good	65-74	4.0
3	B	Good	55-64S	3.0
4	C	Satisfactory	45-54	2.0
5	D	Poor	35-44	1.0
6	F	Failure	0.0-34	0.0
7	I	Incomplete		
8	Q	Disqualified	0.0	0.0

NTA Level 7,8 and Postgraduate

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	70-100	5.0
2	B+	Very Good	60-69	4.0
3	B	Good	50-59	3.0
4	C	Satisfactory	40-49	2.0
5	D	Poor	35-39	1.0
6	F	Failure	0.0-34	0.0
7	I	Incomplete		
8	Q	Disqualified	0.0	0.0

NTA Level 9

S/N	Grade	Description	Score ranges	Grade point

S/N	Grade	Description	Score ranges	Grade point
1	A	Excellent	70-100	5.0
2	B+	Very Good	60-69	4.0
3	B	Good	50-59	3.0
4	C	Poor	40-49	2.0

4.1.2 Classification of Awards

NTA Level 4 and 5

Class of Awards	Cumulative GPA
First Class	3.5 – 4.0
Second Class	3.0 – 3.4
Pass	2.0 – 2.9

NTA Level 6, 7, 8 and Postgraduate Diploma

Class of Awards	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

NTA LEVEL 9

Class of Awards	Cumulative GPA
First Class	4.4 – 5.0
Second Class	3.5 – 4.3
Pass	3.0 – 3.4

4.1.3 Computation of Results

$$\text{Cumulative GPA} = \frac{\sum(P \times N)}{\sum N}$$

Where, P is a Grade point assigned to a letter grade scored in a module

N is the number of credits associated with a module

$$\text{Grade Point Average (GPA)} = \text{Overall Semesters .Cum.GPA} = \frac{\sum(P \times N)}{\sum N}_{Semester1} + \frac{\sum(P \times N)}{\sum N}_{Semester2}$$

$$= \frac{\sum\left[\sum_{semester1} P \times N + \sum_{semester2} P \times N\right]}{\sum\left[\sum_{semester1} N + \sum_{semester2} N\right]}$$

Note: *The Grade Point Average (GPA) is computed by truncating to a single decimal point*

4.1.4 Basic Technician Certificate (NTA Level 4) in Marine Operations (BTCMO)

Aim of the Programme

This programme aims to provide the student with basic concepts and knowledge of ship board operations and workshop practice and practical seamanship.

Purpose of Qualification

This qualification is intended for a person who will be undertaking watch tasks at supporting level in marine Engineering/Navigation. The qualification is also intended for a person who will work ashore in a maritime industry and or engineering related enterprises.

Module Arrangement
Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MOT 04101	Basic Maritime Safety and Security	Core	4	0	2	0	9
2.	MOT 04102	Rating Forming Part of a Navigational Watch	Core	4	0	2	0	9
3.	MOT 04103	Rating Forming Part of an Engineering Watch	Core	4	0	2	0	9
4.	MOT 04104	General Physics	Fundamental	2	1	0	1	6
5.	MOT 04105	Nautical Knowledge	Core	4	1	0	1	9
6.	MOT 04106	Maritime English	Fundamental	2	1	0	1	6

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
7.	SLT 04105	Arithmetic, Indices and Algebra	Fundamental	2	1	0	1	6
8.	SLT 04106	Basics of Computer Application	Fundamental	2	1	1	0	6
Subtotal				**18**	**8**	**9**	**5**	**60**
Total hrs per week				**40**				

Semester 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MOT 04207	Workshop Practice	Core	4	0	4	0	12
2.	MOT 04208	Ethics And Professional Skills	Fundamental	2	1	0	1	6
3.	MOT 04209	Engineering Knowledge	Core	4	0	1	1	9
4.	MOT04210	Simulator Practices	Core	4	1	2	1	12
5.	MOT 04211	Basics of Radio Communications	Core	4	0	2	0	9
6.	MOT 04212	Shipboard Safety	Core	2	0	2	0	6
7.	MOT 04213	Heat Energy Transfer	Fundamental	2	0	2	0	6
Subtotal				**16**	**3**	**15**	**6**	**60**
Total hrs per week				**40**				

4.1.5 Basic Technician Certificate (NTA Level 4) in Shipping and Logistics Management-(BTCSLM)

Aim of the Programme

This programme aims to produce the students with basic concept and knowledge to work in logistics, ports and supply chain networking

Purpose of Qualification

This qualification is intended for a person who will be undertaking shipping and logistics tasks at routine level.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 04101	Basics of International Logistics	Core	2	1	2	1	9
2.	SLT 04102	Transport Geography	Core	4			2	9
3.	SLT 04103	Basics of Marketing and Customer Services	Core	2	1	2	1	9
4.	SLT 04104	Ships Knowledge	Core	2	1	2	1	9
5.	SLT 04105	Arithmetic, Indices and Algebra	Fundamental	4	1	2	1	12
1.	SLT 04106	Basics of Computer Applications	Fundamental	2		2		6
2.	SLT 04107	Basics of Communication Skills	Fundamental	2		2		6
Subtotal				**18**	**4**	**12**	**6**	**60**
Total hrs per week				**40**				

Semester 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 04208	Business and Shipping Practice	Core	2	1	2	1	9
2.	SLT 04209	Warehousing and Inventory	Core	3	1	1	1	9
3.	SLT 04210	Basics of Shipping and Insurance Management	Core	3	1	1	1	9
4.	SLT 04211	Dangerous Goods	Core	3	1	1	1	9
5.	SLT 04212	Basics of Overseas Trade Law	Core	3		2	1	9
6.	SLT 04213	Freight Transport	Core	2	1	2	1	9

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Services						
7.	SLT 04214	Communication Skills	Fundamental	2		2		6
Subtotal				**18**	**5**	**11**	**6**	**60**
Total hours per week				**40**				

4.1.6 Basic Technician Certificate (NTA Level 4) in Naval Architecture and Offshore Engineering (BTCNAOE)

Aims of the Programme

This programme aims to provide the students with basic concepts and skills of naval architecture and offshore engineering, knowledge of shipyard, offshore structures constructions and workshop practice.

Purpose of Qualification

This qualification is intended for a person who will be undertaking naval architecture and offshore engineering tasks at routine level.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MOT 04101	Basic Maritime Safety and Security	Core	4	0	6	0	15
2.	MOT 04102	Ethics and Professional Skills	Fundamental	2	1	0	1	6
3.	MET 04103	Rating Forming Part of an Engineering watch	Core	4	1	4	1	15
4.	SLT 04103	Maritime English for Naval Architecture	Fundamental	4	1	0	1	9
5.	NAT 04101	Ship Geometry and Models	Core	4	1	4	1	15
Subtotal				**18**	**4**	**14**	**4**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	NAT 04202	Ship Knowledge	Core	4	1	2	1	12
2.	NAT 04203	Offshore Structures and Systems	Core	4	1	2	1	12
3.	NAT 04204	Shipyard Safety	Core	4	1	2	1	12
4.	NAT 04205	Engineering Drawing	Core	2	1	2	1	9
5.	SLT 04204	Computer Application for Naval Architecture	Fundamental	2	0	2	0	6
6.	NAT 04206	Industrial Training	Core	0	0	6	0	9
Subtotal				**16**	**4**	**16**	**4**	**60**
Total hrs per Week				**40**				

4.1.7 Basic Technician Certificate (NTA Level 4) in Procurement, Logistics and Supply Chain Management (BTCPLSM)

Aims of the Programme
The aim of the programme is to produce graduate with basic concepts and knowledge in Procurement logistics and supply management in order to handle processes in procurement, requisitions, deliveries and warehousing, fleet management and intermodal transport networking.

Purpose of Qualification
This qualification is intended for person who will be undertaking duties in port, logistics and supply chain operations.

Module Arrangement
Semester 1

No	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 04101	Logistics Business Environment	Core	4	2	2	2	**15**
2.	PST 04102	Procurement Skills	Core	4	1	2	1	**12**
3.	SLT 04106	Computer Applications	Fundamental	4	1	2	1	**12**
4.	SLT 04105	Arithmetic, Indices and	Fundamental	4	1	2	1	**12**

No	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Algebra						
5.	SLT 04114	Communication Skills	Fundamental	4		1	1	**9**
Subtotal				**20**	**5**	**9**	**6**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 04203	Logistics Integration, Operation and Customer Services	Core	4	2	2	2	**15**
2.	PST 04204	Supply Chain Management Skills	Core	4	1	2	1	**12**
3.	PST 04205	Inventory and Warehousing Management	Core	4	1	2	1	**12**
4.	PST 04206	Legal Aspect of Business Logistics	Core	4	1	2	1	**12**
5.	MOT 04203	Ethics and Professional Skills	Fundamental	4		1	1	**9**
Subtotal				**20**	**5**	**9**	**6**	**60**
Total hrs per week				**40**				

4.1.8 Basic Technician Certificate (NTA Level 4) in Transport and Supply Chain Management (BTCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Transport and supply management in order to handle processes in transport, logistics, fleet management, intermodal transport networking and imbuing positive attitudes toward work and professional advancement.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Transport and supply chain management at routine level.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	TST 04101	Fundamentals of Transport	Core	2	1	4	1	12
2.	TST 04102	Basics of Logistics and Supply Chain Management	Core	2	1	4	1	12
3.	TST 04103	Elements of Freight Transport Services	Core	2	1	4	1	12
4.	SLT 04105	Arithmetic, Indices and Algebra	Core	2	1	2	1	9
5.	SLT 04106	Basics of Computer Applications	Core	2	1	2	1	9
6.	SMT 04112	Basics of Communication Skills	Fundamental	1	1	1	1	6
Subtotal				**11**	**6**	**17**	**6**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	TST 04201	Elements of Fleet Management and Operations	Core	2	1	4	1	12
2.	SLT 04214	Communication Skills	Fundamental	1	1	1	1	6
3.	TST 04202	Basics of Marketing and Customer Services	Fundamental	2	2	4	2	15
4.	TST 04203	Fundamental of Urban and Rural Transportation	Core	2	2	4	2	15
5.	TST 04204	Basics of passenger Transport	Core	2	1	4	1	12

		Services						
Subtotal				**9**	**7**	**17**	**7**	**60**
Total hrs per Week				**40**				

4.1.9 Basic Technician Certificate (NTA Level 4) in Oil and Gas Engineering (BTCOGE)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Oil and Gas Engineering filed in order to develop skills of drilling rig operation through workshop practices, provide students with skills and knowledge of upstream and maintenance of petroleum exploration structures.

Purpose of Qualification

The qualification is intended for a person who will have ability to record parameters in oil and gas well, collect data in oil and gas projects, breakdown, restore, and reassemble a variety of oilfield

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	OGT 04101	Basic Safety at Sea	Core	1		1		3
2.	OGT 04102	Elementary Communication Skills	Fundamental	2	2	2	2	12
3.	OGT 04103	Fundamentals of Petroleum Engineering	Core	2	1	4	1	12
4.	OGT 04104	Algebra, Logarithmic and Mensuration	Fundamental	2	2		2	9
5.	OGT 04105	Workshop Practice	Core	2		4	2	12
6.	OGT 04106	Basic Computing Skills	Fundamental	2	1	4	1	12
Subtotal				**11**	**6**	**15**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	OGT 04207	Occupational	Fundamental	2	2			6

		Health, Safety and Environmental Protection						
2.	OGT 04208	Fundamentals of Electrical Engineering	Core	2		2		6
3.	OGT 04209	Basics of Welding and Fabrication Practices	Core	2	1	4	1	12
4.	OGT 04210	Basics of Petroleum Geology	Core	2	2	2	2	12
5.	OGT 04211	Fluid Properties	Core	2	2	2	2	12
6.	OGT 04212	`Basics of Oil and Gas Project	Core	2	1	4	1	12
Subtotal				**12**	**8**	**14**	**6**	**60**
Total hrs per Week				**40**				

4.1.10 Basic Technician Certificate (NTA Level 4) in Mechanical and Marine Engineering (BTCMME)

Aims of the Programme
This programme aims to provide the students with basic concepts and skills of Mechanical and Marine Engineering, knowledge of mechanical and ship board operations shipyards and offshore platforms.

Purpose of Qualification
This qualification is intended for a person who will assist to operate, maintain and repair mechanical and marine machineries in a production industries and on-board ships.

Module Arrangement
Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	MMT 04101	Basic Safety at Sea	Core	2	0	2	0	6
2.	MMT 04102	Technical Drawing	Core	2	0	4	2	12
3.	MMT 04103	Engine Room Rating	Core	2	0	4	2	12
4.	MMT 04104	Basic Physics	Fundamental	2	1	2	1	9
5.	MMT 04105	Basic Maritime English	Core	2	1	0	1	6

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
6.	MMT 04106	Algebra and Geometry	Fundamental	2	1	0	1	6
7.	MMT 04107	Basic Chemistry	Fundamental	2	1	2	1	9
Subtotal				**14**	**4**	**14**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	MMT 04208	Engineering Workshop	Core	2	0	3	1	9
2.	MMT 04209	Basic Marine Engineering Knowledge	Core	2	1	1	0	6
3.	MMT 04210	Electrical Systems	Core	2	1	1	0	6
4.	MMT 04211	Material Science	Core	2	1	0	1	6
5.	MMT 04212	Basic Mechanics	Core	2	1	0	1	6
6.	MMT 04213	Basics Computing Skills	Fundamental	2	0	1	1	6
7.	MMT 04214	Technical English	Fundamental	2	1	0	1	6
8.	MMT 04215	Industrial Practical Training	Core	0	0	10	0	15
Subtotal				**14**	**5**	**16**	**5**	**60**
Total hrs per Week				**40**				

4.1.11 Basic Technician Certificate (NTA Level 4) in Marine Welding and Fabrication (BTCMWF)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Welding and Fabrication in order to develop skills of welding and fabrication through practical works in an engineering workshop.

Purpose of Qualification

The qualification is intended to produce qualified skilled welder at a basic technician level who will have knowledge and skills in execution of welding and fabrication engineering.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	WFT 04101	Basics of Engineering Materials	Core	4	2	1	1	**12**
2.	WFT 04102	Welding Drawing and Designation	Core	4	1	2	1	**12**
3.	WFT 04103	Communication and Reporting Skills	Fundamental	2	2	0	2	**9**
4.	WFT 04104	Arithmetic, Algebra, and Geometry	Fundamental	2	2	0	2	**9**
5.	WFT 04105	Basics of Computer Applications	Core	3	1	1	1	**9**
6.	WFT 04106	Basics of Entrepreneurship Skills	Fundamental	3	1	0	2	**9**
Subtotal				**18**	**9**	**4**	**9**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	WFT 0407	Workshop Practice	Core	2	1	4	1	12
2.	WFT 04208	Basics of Mechanics	Fundamental	2	1	0	1	6
3.	WFT 04209	Basics of Electrical Machines	Core	2	0	1	1	6
4.	WFT 04210	Basics of Welding and Fabrication Practices	Core	2	1	4	1	12
5.	WFT 04211	Health, Safety and Environment	Fundamental	2	0	1	1	6
6.	WFT 04212	Basics of Welding Metallurgy	Core	2	1	1	0	6
7.	WFT 04213	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**12**	**4**	**19**	**5**	**60**
Total hrs per Week				**40**				

4.1.12 Basic Technician Certificate (NTA Level 4) in Cargo Tallying and Supply Chain Management (BTCCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in cargo and supply chain system management in order to handle processes in cargo tallying, logistics and supply chain system weigh, measure, check, record and imbuing positive attitudes toward work and professional advancement.

Purpose of Qualification

This qualification is intended for person who will undertake cargo tallying duties in supply chain network; the person shall examine, count, weigh, measure check, sample, record, monitor, evaluate, analyse, estimate forecast and verify cargo conditions at wharves, loading/unloading docks, warehouses, airports, shipping companies and maintain shipment and loss/damage register.

Module Arrangement
Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	CTT 04101	Shipping Communication and Reporting Skills	Fundamental	3	1	1	1	9
2.	CTT 04102	Arithmetic, Algebra and Geometry	Core	4	1	1	2	12
3.	CTT 04103	Port Operations and Hinterland Logistics	Core	2	0	1	1	6
4.	CTT 04104	Basics of Marketing and Customer Services	Fundamental	4	1	1	2	12
5.	CTT 04105	Basic Computer Applications	Fundamental	4	1	0	1	9
6.	CTT 04106	Basics Entrepreneurship Skills	Core	4	2	1	1	12
Subtotal				**21**	**6**	**5**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	CTT 04207	Elements of Freight Transport Services	Core	4	2	1	1	12
2.	CTT 04208	Port and Cargo Security, Safety and Environment	Core	4	2	1	1	12
3.	CTT 04209	Marine Insurance	Core	4	2	1	1	12
4.	CTT 04210	Cargo Tallying Operations	Core	4	2	2	2	15
5.	CTT 04211	Basics of Statistics	Core	3	1	1	1	9
Subtotal				**19**	**9**	**6**	**6**	**60**
Total hrs per Week				**40**				

4.1.13 Technician Certificate (NTA Level 5) in Maritime Transport and Nautical Science (TCMTNS)

Aims of the Programme

This programme aims to provide the student with basic concepts and knowledge of ship board operations and practical seamanship.

Purpose of Qualification

This qualification is intended for persons who will bedeck officers in charge of a navigational watch on-board ship of less than 500 gross tonnages engages on near coastal voyages and also participate in the operations of maritime enterprises ashore.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	Core	2	0	2	0	6
2.	MNT 05102	Compasses	Core	2	1	1	0	6
3.	MNT 05103	Principles of Navigation	Core	4	0	2	0	9
4.	MNT 05104	Watch keeping	Core	2	1	2	1	9

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
5.	MNT 05105	Cargo Operations	Core	2	1	2	1	9
6.	MNT 05107	Trigonometry and Coordinate Geometry	Fundamental	4	1	-	1	9
7.	SLT 05103	Computer Applications	Fundamental	2	0	2	0	6
8.	MNT 05108	Basics of Applied Science	Fundamental	2	0	2	0	6
Subtotal				**20**	**4**	**13**	**3**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05209	Electronic Navigation Systems	Core	2	0	1	1	6
2.	MNT 05210	Coastal Navigation	Core	2	0	2	0	6
3.	MNT 05211	Basics of Ship Stability	Core	2	0	2	0	6
4.	MNT 05212	Global Maritime Distress Safety and System	Core	2	0	1	1	6
5.	MNT 05213	Ship Construction	Core	2	0	2	0	6
6.	MNT 05214	Visual Communication	Core	2	1	0	1	6
7.	MNT 05215	Basics of Meteorology	Core	2	1	0	1	6
8.	MNT 05216	Intermediate Maritime English	Fundamental	2	1	0	1	6
9.	MNT 05217	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**16**	**3**	**16**	**5**	**60**

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
Total hrs per week				40				

4.1.14 Technician Certificate in (NTA Level 5) Marine Engineering (TCME)

Aims of the Programme

This programme aims to provide the student with basic concepts and skills in marine engineering, ships' knowledge, construction and operation and workshop practice.

Purpose of Qualification

This qualification is intended for a person who will be undertaking engine room watchkeeping tasks at support level on board ship. The qualification is also intended for a person who will work ashore in a maritime industry or engineering related enterprises.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	Core	2	0	2	0	6
2.	MET 05101	Engine Room Watchkeeping	Core	2	1	2	1	9
3.	MNT 05106	Basics of Communication Skills	Fundamental	2	1	0	1	6
4.	MET 05102	Operation Workshop Machinery	Core	2	0	8	0	15
5.	MNT 05107	Trigonometry and Coordinate Geometry	Fundamental	2	1	0	1	6
6.	SLT 05103	Computer Applications	Fundamental	2	0	2	0	6
7.	MET 05103	Thermodynamics	Core	2	1	4	1	12
Subtotal				**14**	**4**	**18**	**4**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 05204	Elementary Technical Drawing	Core	2	0	2	0	6
2.	MET 05205	Electric Circuits	Core	2	0	2	0	6
3.	MET 05206	General Engineering Knowledge	Core	2	1		1	6
4.	MNT 05216	Intermediate Maritime English	Fundamental	2	1		1	6
5.	MET 05207	Basics of Vector Algebra and Complex Numbers	Fundamental	2	1		1	6
6.	MET 05208	Maintenance of Marine Machinery	Core	2	0	6	0	12
7.	MET 05209	Basics of Marine Diesel Engines	Core	2	0	2	0	6
8.	MET 052110	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**14**	**3**	**20**	**3**	**60**
Total hrs per week				**40**				

4.1.15 Technician Certificate (NTA Level 5) in Shipping and Logistics Management (TCSLM)

Aims of the Programme

This programme aims to produce the students with basic concept and knowledge to work in logistics, ports and supply chain networking.

Purpose of Qualification

This qualification is intended for people who will be undertaking shipping and logistics activities some of are non-routine.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 05101	Logistics and Transport Environment	Core	4	2			9
2.	SLT 05102	Management of	Core	4		1	1	9

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Shipping Operations						
3.	SLT 05103	Computer Applications	Core	2		2		6
4.	SLT 05104	Freight Operations	Core	2	2			6
5.	SLT 05105	Customer Services and Quality Management	Core	2	2	1	1	9
6.	SLT 05106	International Marine Cargo Management	Core	4	2	1	1	12
7.	SLT 05107	Basics of Customs Procedures and Regulations	Fundamental	4		1	1	9
Subtotal				**22**	**8**	**6**	**5**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLT 05208	Management of the International Supply Chain and Logistics	Core	4	0	1	1	9
2.	SLT 05209	International Transport Geography	Core	2	0	1	1	6
3.	SLT 05210	Port Operations	Core	2	0	1	1	6
4.	SLT 05211	Shipping and Insurance Management	Core	2	0	1	1	6
5.	SLT 05212	Financial Aspects of Shipping.	Core	2	0	1	1	6
6.	SLT 05213	Basic of E-commerce	Fundamental	2	0	1	1	6
7.	SLT 05214	Basics of Oil, Gas and Chemical Operations	Fundamental	4	0	1	1	9
8.	SLT 05215	Industrial Training	Core	0	0	8	0	12
Subtotal				**16**		**7**	**7**	**60**
Total hrs per week				**30**				

4.1.16 Technician Certificate (NTA Level 5) in Naval Architecture and Offshore Engineering (TCNAOE)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, fleet management and intermodal transport networking in port, logistical and supply chain environments.

Purpose of Qualification

This qualification is intended for a person who will be undertaking naval architecture tasks at no-routine level in shipyard or offshore engineering industry.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 05101	Workshop Practice	Core	2	0	6	0	12
2.	MNT 05107	Trigonometry and Coordinate Geometry	Fundamental	4	1	0	1	9
3.	NAT 05102	Engineering Drawing	Core	4	0	2	0	9
4.	NAT 05103	Engineering Physics	Fundamental	2	1	0	1	6
5.	NAT 05104	Machinery Systems and Installation	Core	4	1	2	1	12
6.	NAT 05105	Statics of Marine Structures and Hydrodynamics	Core	4	1	2	1	12
Subtotal				**20**	**4**	**12**	**4**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
7.	MET 05207	Vector Algebra and Complex	Fundamental	2	1	0	1	6

		Numbers						
8.	NAT 05206	Computer Aided Design	Core	2	0	6	0	12
9.	MET 05205	Electric Circuits	Core	2	0	4	0	9
10.	NAT 05207	Dockyard Practices	Core	2	0	4	0	9
11.	NAT 05208	Offshore Systems	Core	2	1	2	1	9
12.	MNT 05216	Intermediate Maritime English	Fundamental	2	1	0	1	6
13.	NAT 05209	Industrial Training	Core	0	0	6	0	9
Subtotal				**12**	**3**	**22**	**3**	**60**
Total hrs per week				**40**				

4.1.17 Technician Certificate (NTA Level 5) in Procurement, Logistics and Supply Chain Management (TCPLSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, fleet management and intermodal transport networking in port, logistical and supply chain environments.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in port, shipping and logistics operations.

Module Arrangement

Semester 1

S/N	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 05101	Logistical Value Chain Structure	Core	4	2	1	1	12
2.	PST 05102	Logistics Costing Principles and Financing	Core	4	2	1	1	12
3.	PST 05103	Materials handling Systems and Operations	Core	4	2	1	1	12
4.	PST 05104	Customs	Fundamental	4	0	1	1	9

S/N	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Procedures and Regulations						
5.	PST 05105	Procurement Strategies	Core	4	2	2	2	15
Subtotal				**20**	**8**	**6**	**6**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Name	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PST 05206	Logistical Services Quality Management	Core	4	2	1	1	12
2.	PST 05207	Information Technology in Supply Chain	Core	4	1	2	1	12
3.	PST 05208	Port and Terminal Operations	Core	2	1	0	1	6
4.	SLT 05208	Management of the International Supply Chain and Logistics	Fundamental	4	2	1	1	12
5.	SLT 05213	Basic of E-commerce	Fundamental	2	1	0	1	6
6.	PST 05209	Industrial Training	Core	0	0	8	0	12
Subtotal				**16**	**7**	**12**	**5**	**60**
Total hrs per week				**40**				

4.1.18 Technician Certificate (NTA Level 5) in Transport and Supply Chain Management (TCTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in Transport and supply chain management in order to handle processes in Transportation, logistics, warehousing, fleet management and intermodal transport networking, port and transport terminals.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Transport and Supply Chain management in a broad range of work activities some of are non-routine

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	SLT 05101	Logistics and Transport Environment	Core	2	2	3	1	12
2.	SLT 05107	Basics of Customs Procedures and Regulations	Fundamental	2	2	3	1	12
3.	TST 05101	Transportation Planning and Policy	Core	2	2	4	2	15
4.	TST 05102	Management of International Logistics and Supply Chain	Core	2	2	3	1	12
5.	TST 05103	Basic Information Technology in Supply Chain	Fundamental	2	1	2	1	9
Subtotal				**10**	**9**	**15**	**6**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	TST 05201	Management of Transport Operations	Core	2	2	4	2	15
2.	SLT 05209	International Transport Geography	Core	2	1	2	1	9
3.	TST 05202	Port Operations and Terminal Management	Core	2	1	2	1	9
4.	TST 05203	Research Methodology	Fundamental	2	0	3	1	9

5.	SLT 05203	Basics of Oil, Gas and Chemical Operations	Core	2	0	3	1	9
6.	TST 05204	Industrial Training	Core	0	0	6	0	9
Subtotal				**10**	**4**	**20**	**6**	**60**
Total hrs per Week				**40**				

4.1.19 Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCOGE)

Aims of the Programme

This programme aims to provide the student with basic concepts and skills and its operations in oil and gas engineering.

Purpose of Qualification

The qualification is intended for a person who will have ability to: record parameters in oil and gas well, collect data in oil and gas projects and pack drilling bits, support field personnel in managing the production data, participate in compiling and forecasting production expense data.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	OGT05101	Workshop Machinery	Core	2	1	6	1	15
2.	OGT05102	Trigonometry and Coordinate Geometry	Fundamental	2	1	0	1	6
3.	OGT05103	Basic of Well Logging	Core	2	0	2	2	9
4.	OGT05104	Fundamentals of Reservoir Rock Properties	Core	2	1	1	0	6
5.	OGT05105	Stratigraphy and Structural Geology	Core	2	2	2	2	12
6.	OGT05106	Oil and Gas Exploration Technology	Core	2	2	2	2	12
Subtotal				**12**	**7**	**13**	**8**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	OGT05207	Communication for Technical Professional	Fundamental	2	0	1	1	6
2.	OGT05208	Engineering	Core	2	1	1	2	9

		Drawing						
3.	OGT05209	Maintenance of Machines	Core	2	1	2	1	9
4.	OGT05210	Basic of Drilling Technology	Core	2	1	2	1	9
5.	OGT05211	Materials Science and Engineering	Core	2	1	1	0	6
6.	OGT05212	Chemistry of Oil and Gas	Core	2	1	2	1	9
7.	OGT05213	Industrial Training	Core	0	0	8	0	12
Subtotal				**12**	**5**	**17**	**6**	**60**
Total hrs per Week				**40**				

4.1.20 Technician Certificate (NTA Level 5) in Mechanical and Marine Engineering (TCMME)

Aims of the Programme

This programme aims to provide the student with understanding, concepts and skills mechanical and ship board operations.

Purpose of Qualification

The qualification is intended for a person who will be mechanical and marine technician in a ship and production industries with duties of handling, operation, watch keeping, maintenance and repair of machineries in a ship and production industries.

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credits
1	MMT 05101	Advanced Safety at Sea	Core	2	2	2	0	9
2	MMT 05102	Elementary Communication Skills	Fundamental	2	1	0	1	6
3	MMT 05103	Marine Diesel Engine	Core	2	1	4	1	12
4	MMT 05104	Workshop Machine Tools	Core	2	0	6	0	12
5	MMT 05105	Mechanics of Machines	Core	4	1	2	1	12
6	MMT 05106	Trigonometry and Coordinate	Fundamental	2	2	0	2	9

		Geometry						
Subtotal				14	7	14	5	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	**T**	**P**	**AS**	**Credits**
1.	MMT 05207	Basic of VSctor Algebra and Complex Numbers	Fundamental	2	1		1	6
2.	MMT 05208	Engineering Drawing	Core	1	0	3	0	6
3.	MMT 05209	Marine Engineering Knowledge	Core	2	0	3	1	9
4.	MMT 05210	Maintenance of Marine Machinery	Core	2	0	4	0	9
5.	MMT 05211	Industrial Electrical Installations	Core	2	1	2	1	9
6.	MMT 05212	Computer Aided Drafting	Fundamental	1	0	3	0	6
7.	MMT 05213	Industrial Training	Core	0	0	10	0	15
Subtotal				**10**	**2**	**25**	**3**	**60**
Total hrs per Week				**40**				

4.1.21 Technician Certificate (NTA Level 5) in Welding and Fabrication (TCWF)

Aims of the Programme

This aims to produce graduate with concepts and knowledge in welding and fabrication in order to provide students with understand, skills and knowledge of marine welding and fabrication engineering; develop skills of marine welding and fabrication engineering through workshop practices.

Purpose of Qualification

The qualification is intended to produce a qualified skilled welder at a technician level who will have knowledge and skills in execution of welding and fabrication engineering tasks.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT05101	Computer Aided Design (CAD)	Core	2	0	2	0	6
2.	WFT05102	Basic of Calculus	Fundamental	2	1	0	1	6
3.	WFT05103	Welding Drawing and Standards	Core	2	1	1	0	6
4.	WFT05104	Steel structure	Core	2	1	2	1	9
5.	WFT05105	Welding and Fabrication Technology	Core	4	2	0	2	12
6.	WFT05106	Equipment of Welding Processes	Core	4	1	2	1	12
7.	WFT05107	Workshop Machinery	Core	2	0	4	0	9
Subtotal				**18**	**6**	**11**	**5**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT05208	Welding Metallurgy	Core	4	1		1	9
2.	WFT05209	Welding and Fabrication Practice	Core	4	1	4	1	15
3.	WFT05210	Maintenance of Welding Equipment	Core	4	1	2	1	12
4.	WFT05211	Project Supervision	Core	2	1		1	6
5.	WFT05212	Basic Statistics	Fundamental	2	0	1	1	6
6.	WFT05213	Industrial Practical Training	Core	0	0	8	0	12
Subtotal				**16**	**4**	**15**	**5**	**60**
Total hrs per Week				**40**				

4.2 Ordinary Diploma (NTA Level 6) in Maritime Transport and Nautical Science (ODMTNS)

Aims of the Programme

This programme aims to provide the student with concepts, principles of maritime navigation, ships' knowledge, ships' construction and operation and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for persons who will be officers in charge of

navigational watch on board ships of 500 Gross Tonnage or more and also assist at operational tasks.

Module Arrangement

Semester 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 06101	Ship Stability	Core	4	1	2	1	12
2.	MNT 06102	Watch keeping	Core	4	1	2	1	12
3.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	1	2	1	9
4.	MNT 06103	Ocean and Offshore Navigation	Core	6	1	2	1	12
5.	MNT 06104	Basics of Maritime law	Core	2	1	1		6
6.	MNT 06105	Marine Pollution Control	Core	2	1	2	1	9
Subtotal				**18**	**6**	**11**	**5**	**60**
Total hrs per week			**40**					

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNT 06206	Meteorology	Core	2	1	2	1	9
2.	MNT 06207	Human Resources Management	Fundamental	2	1	2	1	9
3.	SLT 06209	Economics of Maritime operations	Core	2	1	1	0	6
4.	MNT 06208	Basics of Port Operations	Core	2	1	1	0	9
5.	MET 06215	Basics of Calculus	Fundamental	2	1	1	0	6
6.	SLT 06210	Basics of Entrepreneurship Practices	Fundamental	2	1	2	1	9
7.	MNT 06209	Project	Core					12
Subtotal				**14**	**7**	**16**	**3**	**60**
Total hrs per week			**40**					

4.2.1 Ordinary Diploma (NTA Level 6) in Marine Engineering (ODME)

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 06101	Engineering Mechanics	Core	2	1	0	1	6
2.	MET 06102	Fundamentals of Refrigeration and Air Conditioning	Core	2	0	2	0	6
3.	MET 06103	Technical Drawing	Core	2	0	6	0	12
4.	MET 06104	Welding and Fabrication	Core	2	0	6	0	12
5.	MET 06105	Electro-technology	Core	2	0	2	0	6
6.	MET 06106	Diesel and Steam Turbine Engines	Core	2	0	2	0	6
7.	MET 06107	Marine Auxiliary Machinery	Core	2	0	2	0	6
8.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	0	0	0	3
9.	MNT 06104	Basics of Maritime Law	Fundamental	2	0	0	0	3
Subtotal				**18**	**1**	**20**	**1**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MET 06208	Fundamentals of Marine Electronics	Core	2	0	2	2	9
2.	MET 06215	Basics of Calculus	Fundamental	2	0	0	0	3
3.	MET 06209	Naval	Core	2	1	0	1	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Architecture and Ship Construction						
4.	MET 06210	Instrumentation and Control	Core	2	0	6	0	12
5.	SLT 06209	Economics of Maritime Operations	Fundamental	2	0	0	0	3
6.	MNT 06207	Basics of Port Operations	Fundamental	2	0	0	0	3
7.	MET 06211	Maintenance of Auxiliary Machinery	Core	2	0	2	0	6
8.	MET 06212	Marine Engineering Watchkeeping	Core	2	0	2	0	6
9.	MET 06213	Ethics and Professional Skills	Fundamental	2	0	0	0	3
10.	MET 06214	Project	Core	0	0	6	0	9
Subtotal				**18**	**1**	**18**	**3**	**60**
Total hrs per Week				**40**				

4.2.2 Ordinary Diploma (NTA Level 6) in Shipping and Logistics Management (ODSLM)

Aims of the Programme

The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency based knowledge to work in multiplex logistical environments.

Purpose of Qualification

This qualification is intended for people who will be undertaking shipping and logistics activities most of which are non-routine.

Module Arrangement

Semester 1

No	Code	Module Title	Class	Scheme of Study Hrs/	Credits

				Week				
				L	T	P	AS	
1.	SLT 06101	Principles of Logistics and Supply Chain	Core	2	1	2	1	9
2.	SLT 06102	Managing Resources in Shipping Enterprises	Core	2	1	2	1	9
3.	SLT 06103	Transport and Logistics Operations	Core	2	1	2	1	9
4.	SLT 06104	Principles of Warehouse and Inventory	Core	2	1	2	1	9
5.	SLT 06105	Maritime Safety and Security	Core	4	0	1	1	9
6.	SLT 06106	Passenger Transport Operations	Core	2	0	1	1	6
7.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	1	2	1	9
Subtotal				**16**	**5**	**12**	**7**	**60**
Total hrs per week				**40**				

Semester 2

	Code	**Module Title**	**Class**	**Scheme of Study Hrs/ Week**				**Credits**
				L	**T**	**P**	**AS**	
1.	SLT 06208	Marine Insurance and Salvage	Fundamental	4	1	2	1	12
2.	SLT 06209	The Economics of Maritime Operations	Fundamental	2	0	2	0	6
3.	SLT 06210	Principles of Entrepreneurship	Fundamental	2	1	2	1	9
4.	SLT 06211	International Maritime Transport Systems	Core	2	0	2	0	6
5.	SLT 06212	Shipping Law	Core	4	1	2	1	12
6.	SLT 06213	Project	Core	0	0	10	0	15
7.								
Subtotal				**14**	**3**	**20**	**3**	**60**
Total hrs per week				**40**				

4.2.3 Ordinary Diploma (NTA Level 6) in Naval Architecture and Offshore Engineering (ODNAOE)

Aims of the Programme

This programme aims to provide the students with advanced concepts and skills of naval architecture and offshore engineering, advanced knowledge of shipyard , ships building, ship's systems, offshore structures constructions and their operations and workshop practice.

Purpose of Qualification

This qualification is intended for a person who will be undertaking naval architecture tasks at no-routine level in shipyard or offshore engineering industry.

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 06101	Laws of thermodynamic and fluid machinery	Core	4	1	0	1	9
2.	NAT 06102	Research Methods and Statistics	Fundamental	4	1	0	1	9
3.	MET 06101	Engineering Mechanics	Core	4	1	0	1	9
4.	MET 06103	Technical Drawing	Core	4	0	4	0	12
5.	MET 06104	Welding and Fabrication	Core	4	0	4	0	12
6.	MET 06105	Electro-technology	Core	4	0	1	1	9
Subtotal				**24**	**3**	**9**	**4**	**60**
Total hrs per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAT 06203	Material and Machining processes	Core	2	1		1	6
2.	NAT 06204	Offshore Structures	Core	2	1		1	6
3.	NAT 06205	Oceanography	Core	2	1		1	6
4.	TST 06201	Blue Economy Operation	Fundamental	2	1		1	6

5.	MET 06209	Naval Architecture and Ship Construction	Core	2	1	2	1	9
6.	MET 06210	Instrumentation and Control of ship Systems	Core	2	1		1	6
7.	MET 06215	Differentiation and Integration	Fundamental	2	1		1	6
8.	NAT 06206	Project	Core			10		15
Subtotal				**14**	**7**	**12**	**7**	**60**
Total hrs per Week				**40**				

4.2.4 Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management (ODPLSM)

Aims of the Programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement logistics and supply management in order to handle processes in procurement, deliveries warehousing, mitigations of business enterprises, intermodal transport networking, and port and supply chain environments.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in purchase, logistics and Supply Chain management in a broad range of work activities most of which are non-routine

Module Arrangement

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06102	Supply Chain risks Management	Core	4	1	1	2	12
2.	PST 06101	Procurement Structures and Design	Core	4	1	1	2	12
3.	SLT 06107	Quantitative Techniques	Fundamental	4			2	9
4.	PST 06102	Warehousing Operations Management	Core	4	0	1	1	9
5.	PST 06103	Project	Core	0	0	6	0	9
6.	PST 06104	Materials	Core	4		1	1	9

		Management						
Subtotal				**20**	**2**	**10**	**8**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	**T**	**P**	**AS**	
1.	PST 06205	International Freight Transport Management	Core	4	2	1	3	15
2.	PST 06206	E- procurement Management	Core	4	2	2		12
3.	PST 06207	Principles of Marketing	fundamental	4		2		9
4.	SLT 06209	The Economics of Maritime Operations	fundamental	4		2		9
5.	TST 06205	Supply Chain Integration and Performance Management	Core	4	2	2	2	15
Subtotal				**20**	**6**	**9**	**5**	**60**
Total hrs per week				**40**				

4.2.5 Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management (ODTSM)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in procurement logistics and supply management in order to handle processes in transport, logistics, warehousing, and mitigations of business enterprises, fleet management, port and intermodal transport networking.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in transport, logistics and Supply Chain management in a broad range of work activities most of which are non-routine

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06101	International Transport Systems	Core	2	1	2	1	9
2.	TST 06102	Supply Chain risks Management	Core	2	1	2	1	9
3.	SLT 06104	Principles of Warehousing and Inventory	Fundamental	4	1	2	1	12
4.	TST 06103	Fundamentals of Business Law	Fundamental	1	1	1	1	6
5.	SLT 06107	Basics of Quantitative Techniques	Fundamental	2	2	4	2	15
6.	TST 06104	Project	Core	2	1	2	1	9
Subtotal				**13**	**7**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TST 06201	Blue Economy Operations	Core	4	1	2	1	12
2.	TST 06202	Fundamentals of Intermodal Transport	Core	2	1	2	1	6
3.	TST 06203	Transport and Social Dynamics	Core	2	2	4	2	15
4.	TST 06204	Safety and Security in Transport Systems	Core	2	2	4	2	15
5.	TST 06205	Supply Chain Integration and Performance Management	Core	2	1	2	1	12
Subtotal				**12**	**7**	**14**	**7**	**60**
Total hrs per week				**40**				

4.2.6 Ordinary Diploma (NTA Level 6) in Oil and Gas Engineering (ODOGE)

Aims of the Programme
This programme aims to Provide the student with understanding, advanced skills and knowledge of oil and gas exploration, petroleum production system and ashore and offshore petroleum structures installation and their operations.

Purpose of Qualification
The qualification is intended for a person who will have ability to: supervise collection of data; participate in exploration and production drilling, generate production graphs and analysing production trends utilizing computer applications, participate in incident reviews and job safety analyses, help to coordinate spill reporting and remediation, carries out routine maintenance and testing activities, complete fault-finding and repair of mechanical systems and equipment, modifies, repairs or replaces systems and equipment Installs new systems and equipment as required, participates in Risks Assessments, interprets technical drawings and updates with any changes following the installation of new systems and equipment

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	OGT06101	Basics of Oil and Gas Fields Development	Core	2	0	2	2	9
2.	OGT06102	Fundamentals of Programming in FOTRAN 77	Core	4	0	4	2	15
3.	OGT06103	Geophysical Exploration technology	Core	2	2	2	2	12
4.	OGT06104	Fundamentals of Oil and Gas Drilling Engineering	Core	2	0	2	2	9
5.	OGT06105	Research Methodology	Fundamental	4	1	0	1	9
6.	OGT06106	Business Statistics	Fundamental	2	1	0	1	6
Subtotal				**16**	**4**	**10**	**10**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credits
1.	OGT06207	Oil and Gas Laws and Regulations	Core	2	2	0	2	9
2.	OGT06208	Fundamentals of Reservoir	Core	2	0	2	0	6
3.	OGT06209	Fundamentals of Oil and Gas Production	Core	2	0	2	2	9
4.	OGT06210	Fundamentals of Oil and Gas Economics	Core	2	2	2	2	9
5.	OGT06211	Basics of Quantitative Techniques	Fundamental	2	0	0	0	6
6.	OGT06212	Instrumentation and Control	Core	2	0	2	0	6
7.	OGT06213	Industrial Training	Core	0	0	10	0	15
Subtotal				**12**	**4**	**18**	**6**	**60**
Total Hrs per week				**40**				

4.2.7 Ordinary Diploma (NTA Level 6) in Mechanical and Marine Engineering (ODMME)

Aims of the Programme

The aim of the programme is to provide the student with concepts and principles of mechanical and marine engineering, understanding, skills and underpinning knowledge of ships, their construction and their operation; and ability to use computers in engineering work.

Purpose of Qualification

This qualification is intended for a person who will be mechanical and marine technician in a ship and production industries with duties of handling, operation, watch keeping, maintenance and repair of machineries in a ship and production industries

Semester 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	T	P	AS	Credit
1.	MMT06101	Engineering Mechanics	Core	2	1	0	1	6
2.	MMT06102	Fundamentals of Thermodynamics	Core	2	1	0	1	6
3.	MMT06103	Technical Drawing	Core	2	1	0	1	6
4.	MMT06104	Welding and Fabrication	Core	2	0	2	0	6

5.	MMT06105	Electro-technology	Core	2	0	1	1	6
6.	MMT06106	Diesel Engine, Steam and Gas Turbines	Core	2	0	1	1	6
7.	MMT06107	Marine Auxiliary Machinery	Core	2	0	1	1	6
8.	MMT06108	Basic Machine Elements Designs	Core	2	0	2	0	6
9.	MMT06109	Basic of Materials Strength	Core	2	1	0	1	6
10.	MMT06110	Maritime Law	Fundamental	2	0	0	0	3
11.	MMT06111	Project Management	Fundamental	2	0	0	0	3
Subtotal				**22**	**4**	**7**	**7**	**60**
Total Hrs per week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				
				L	**T**	**P**	**AS**	**Credit**
1.	MMT06212	Basics of Calculus	Fundamental	2	0	0	0	3
2.	MMT06213	Fundamentals of Marine Electronics	Core	2	0	0	0	3
3.	MMT06214	Fundamentals, Control and automation	Core	2	0	0	0	3
4.	MMT06215	Maintenance of Auxiliary Machinery	Core	2	0	2	0	6
5.	MMT06215	Marine Engineering Watchkeeping	Core	2	0	1	1	6
6.	MMT06217	Basics of Fluid Mechanics	Core	2	0	0	0	3
7.	MMT06218	Mechanical Manufacturing Process	Core	4	1	0	1	9
8.	MMT06219	Ship Stability and Design	Core	4	1	0	1	9
9.	MMT06220	Design Project	Core	0	0	6	0	9
10.	MMT06221	Industrial Practical Training	Core	0	0	6	0	9
Subtotal				**20**	**2**	**15**	**3**	**60**
Total Hrs/per week				**40**				

4.2.8 Ordinary Diploma (NTA Level 6) in Marine Welding and Fabrication (ODMWF)

Aims of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in welding and fabrication in order to, provide the student with understanding, skills and knowledge of Welding and Fabrication and develop skills of Welding and

Fabrication through workshop practices.

Purpose of Qualification

This qualification is intended to produce a qualified skilled welder at ordinary diploma level who will have broader knowledge and skill in welding and fabrication engineering tasks.

Semester 1

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT 06101	Welding Machinery Maintenance	Core	2		4		9
2.	WFT 06102	Welding and Fabrication Design	Core	4		3	1	12
3.	WFT 06103	Plasma and Powder Welding Technology	Core	2	1	4	1	12
4.	WFT 06104	Plastic Welding Technology	Core	2		3	1	9
5.	WFT 06105	Diving Practice	Core	2	1	2	1	9
6.	WFT 06106	Testing and Quality Control of Welds	Core	2	1	2	1	9
Subtotal				**14**	**3**	**18**	**5**	**60**
Total hrs. per Week				**40**				

Semester 2

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
1.	WFT 06207	Foundry Technology and Practice	Core	2	0	4	0	9
2.	WFT 06208	Underwater Welding Practice	Core	2	0	4	0	9
3.	WFT 06209	Specialized Workshop Practice	Core	2	0	4	0	9
4.	WFT 06210	Principles of Warehousing and Inventory	Fundamental	2	1	0	1	6
5.	WFT 06211	Basics of Business Economics	Fundamental	2	1	0	1	6
6.	WFT 06212	Basics of Business Law	Fundamental	2	1	0	1	6
7.	WFT 06213	Design Project	Core	0	0	10	0	15

S/N	Code	Module Title	Class	Scheme of study Hrs/ Week				
				L	T	P	AS	Credits
Subtotal				12	3	12	3	60
Total hrs. per Week				40				

4.3 Bachelor Degree (NTA Level 7/8) in Maritime Transport and Nautical Science (BMTNS)

(a) Higher Diploma (NTA Level 7) in Maritime Transport and Nautical Science– (HMTNS)

Aim of the programme

This programme aims to provide the student with concepts, principles of maritime transport, ships' knowledge, ports, regulations, research and consultancy and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for a person who will work ashore and at sea as Officer In-charge of a Navigational. The officer will carry out navigation, cargo handling and stowage, controlling the operation of the ship, care for persons on board, Radio Communications and Shore based Maritime enterprise.

Exit Point

An exit point at the end of the sixth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Maritime Transport and Nautical Science (BMTNS). On successful completion of required sea service, the candidate may apply to TASAC for examination for Certificate of Competency as an Officer in charge of a Navigational Watch.

Module Arrangement

Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	Fundamental	4		4		9
2.	SMU 07102	Ethics and professional skills	Fundamental	2		2		6
3.	MNU 07102	Simulator Practices	Fundamental	3		4		12

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
4.	MNU 07103	Visual, Radio and Global Maritime Distress and Safety System Communication	Core	3		2	2	9
5.	MNU 07104	Principles of Navigation	Core	2		2	2	9
6.	SLU 07105	Communication Skills	Fundamental	2	2			6
7.	SMU 07102	Principles of Calculus	Fundamental	2	2			9
Subtotal				**18**	**5**	**14**	**4**	**60**
Total Hrs/per week				**8. 40**				**9.**

Semester 2
Year 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMU 07203	Maritime English	Fundamental	3	2		2	9
2.	SLU 07104	Computer System Applications	Fundamental	2	2	2	2	9
3.	SMU 07205	Elementary Applied Science	Fundamental	3	2	2		9
4.	MNU 07205	Rating forming Part of Navigational Watch	Core	4	2	4	2	15
5.	SLU 07211	Development Studies I	Fundamental	2	2	2	0	9
6.	MNU 07207	Industrial Training I	Core	0	0	0	8	9
Subtotal			**14**		**10**	**10**	**6**	**60**
Total hrs per week			**40**					

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07306	Elementary Meteorology	Core	2	2	4	2	9
2.	MNU 07308	Applied Science	Fundamental	2	2	2		9
3.	MNU 07309	Trigonometry and Spherical Triangles	Core	2	2	2		9
4.	MNU 07307	Coastal Navigation	Core	2	2	2	2	12
5.	MNU 07308	Maritime Safety and Security	Core	4			2	9
6.	SLU 07211	Development Studies II	Fundamental	2			2	6
Subtotal				**14**	**8**	**10**	**8**	**60**
Total hrs per week			**40**					

Semester 4
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07409	Metrology	Core	2		2	2	9
2.	MNU 07410	Ship Construction and Stresses	Core	2		2	2	9
3.	MNU 07411	Navigation Systems	Core	4	1	2	1	12
4.	MNU07412	Ship Stability	Core	4		2	2	12
5.	MNU 07413	Watch keeping	Core	3	2	2	-	9
6.	MNU 07414	Industrial Training I	Core	0	0	0	6	9
Subtotal				**15**	**3**	**10**	**12**	**60**
Total hrs per week			**40**					

Semester 5
Year 3

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07515	Cargo Operation	Core	3	3	2	2	15
2.	MNU 07516	Ocean and Offshore Navigation	Core	3	-	1	2	9
3.	MNU 07517	Engineering and Control Systems	Core	2	2	2	4	15

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	SLU 07426	Research Methodology	Core	2	1	2	3	12
5.	SMU07513	Principles of Management	Fundamental	2	2	2		9
Subtotal				**12**	**8**	**9**	**11**	**60**
Total hrs per week				**40**				

Semester 6
Year 3

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07212	Maritime Entrepreneurship	Core	4	2	2	2	15
2.	SLU 07423	Shipping Economics and International Trade	Core	2	2	2		9
3.	SMU 07616	Human Resources Management	Core	4	2		2	12
4.	MNU 07618	Maritime Law	Core	4	4		2	15
5.	MNU 07619	Industrial Training II	Fundamental	0	0	0	6	9
Subtotal				**14**	**10**	**4**	**12**	**60**
Total hrs per week			**40**					

Note: Industrial Training will be carried on during vacation

(b) Bachelor Degree (NTA Level 8) in Maritime Transport and Nautical Science (BMTNS)

Aims of the programme

This programme aims to provide the student with concepts, principles of maritime transport, ships' knowledge, ports, regulations, research and consultancy and ability to apply IT in maritime transport tasks.

Purpose of Qualification

This qualification is intended for a person who will be in-charge of a Navigational watch on-board ship and provide a smooth progression to navigational Officer at management level. The qualification is also intended for person who will manage and supervise ashore enterprises.

Exit Point

An exit point for this programme will be at the end of the second semester.

Module Arrangement

Semester 1
Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 08208	Port and Terminal Operations	Core	2	2	2	2	12
2.	SLU 08105	Statistics and Probability	Core	2	2	2	2	12
3.	SLU 07107	Logistics and Multimodal Transport	Fundamental	2	2	2	2	12
4.	MEU 08104	General Survey	Core	2	2	2	2	12
5.	MNU 08101	Research Project	Core	0	0	0	0	12
Subtotal				**8**	**8**	**8**	**8**	**60**
Total Hrs/per week				**32**				

Semesters 2
Year 4

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08209	Shipping Business Management	Fundamental	2	2	1	1	9
2.	SLU 08210	Shipping Finance and Accounts	Fundamental	2	2	1	1	9
3.	SLU 07319	Environmental Science	Fundamental	2	2	1	1	9
4.	MNU 08202	Simulation of Maritime	Core	2	2	2	2	12

		Processes						
5.	SLU 08212	Shipping Agency	Fundamental	2	2	1	1	9
6.	Elective			2	2	2	2	12
Subtotal				**12**	**12**	**8**	**8**	**60**
Total hrs per week			**40**					

ELECTIVES (Select one module)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 08212	Freight and Forwarding Practice	Fundamental	2	2	2	2	12
2.	MNU 08203	Flag and Port State Control	Fundamental	2	2	2	2	12
3.	SLU 07210	Inventory and Warehouse Management	Fundamental	2	2	2	2	12

NB: 12 credits will be taken from any elective module to acquire the minimum 60 Credit

4.3.1 Bachelor Degree (NTA Level 7/8) in Marine Engineering Technology (BMET)

(a) Higher Diploma (NTA Level 7) in Marine Engineering Technology (HDMET)

Aim of the Programme

This programme aims to provide the student with concepts, principles of marine engineering, ships' knowledge, construction, operation and management and ability to use computers in engineering design work.

Purpose of Qualification

This qualification is intended for person who will be an Officer in Charge of a Marine Engineering Watch operating and monitoring machineries on board a ship in a manned engine room or as designated duty engineer in a periodically unmanned engine room. The qualification is also intended for persons who will manage a maritime and or engineering related enterprise.

Exit Point

The Higher Diploma in Marine Engineering Technology is an exit from a four years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Marine Engineering Technology (HDMET). However, on successful completion of required sea service, the candidate may apply to Maritime Authority for examination for Certificate of Competency as an Officer in Charge of an Engineering Watch.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title		Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	Core	2	0	2	0	6
2.	MEU 07101	Bench Work and Machinery Practice	Core	2	0	8	0	15
3.	MEU 07102	Basics of Engineering Drawing	Core	2	1	2	1	9
4.	MEU 07103	Engineering Mechanics	Core	2	2	1	1	9
5.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
6.	MEU 07106	Principles of Calculus	Fundamental	2	1	0	1	6
7.	MEU 07107	Material Technology	Core	2	0	2	0	6
Subtotal				**14**	**5**	**17**	**4**	**60**
Total Hrs/per week				**40**				

Semester 2
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
2.	MEU 07208	Engineering Drawing	Core	2	1	2	1	9
3.	MEU 07209	Marine Engineering Watchkeeping	Core	2	1	2	1	9
4.	SLU 07211	Basics of Development Studies	Fundamental	2	0	0	2	6
5.	MEU 07210	Maritime English	Fundamental	2	1	0	1	6
6.	MEU 07211	Computer Systems and Applications		2	0	2	0	6
7.	MEU 07212	Matrix Algebra	Fundamental	2	1	0	1	6

		and Vector Analysis						
8.	MEU 07213	Industrial Training I		0	0	6	0	9
Subtotal				**14**	**5**	**14**	**7**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 3 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MTU 07308	Maritime Safety and Security	Core	2	0	2	0	6
2.	MEU 07314	Welding and Fabrication Practice	Core	2	0	4	0	9
3.	MEU 07315	Thermodynamics and Heat Transfer	Core	4	0	2	0	9
4.	SLU 07322	Development Studies	Fundamental	2	1	0	1	6
5.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
6.	MEU 07316	Electrical Circuits	Core	2	0	4	2	12
7.	MEU 07317	Marine Diesel Engines and Turbines	Core	2	2	4	0	12
Subtotal				**16**	**3**	**17**	**4**	**60**
Total Hrs/per week				**40**				

Semester 4 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07418	Materials Testing and Treatment	Core	2	0	2	0	6
2.	SLU 07426	Research Methodology	Fundamental	2	1	2	1	9
3.	MEU 07419	Marine Auxiliary Machinery	Core	2	2	4	0	12
4.	SLU 07423	Shipping Economics	Fundamental	2	1	2	1	9

		and International Trade						
5.	MEU 07420	Computer Programming with C++ for Marine Engineers	Core	2	1	0	1	6
6.	MEU 07421	Principles of Electrical Engineering	Core	2	0	4	0	9
7.	MEU 07422	Industrial Training II	Core	0	0	6	0	9
Subtotal				**12**	**5**	**20**	**3**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 5 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07523	Fluid Mechanics	Core	4	1	2	1	12
2.	MEU 07524	Marine Electronics	Core	4	1	2	1	12
3.	MEU 07525	Ship Construction	Core	4	1	2	1	12
4.	MEU 07526	Maintenance of Marine Machinery	Core	2	0	4	0	9
5.	MEU 07527	Calculus	Fundamental	2	1	0	1	6
6.	MEU 07528	Marine Surveying	Core	4	1	0	1	9
Subtotal				**20**	**5**	**10**	**5**	**60**
Total Hrs/per week				**40**				

Semester 6 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07629	Instrumentation, Control and Automation	Core	2	2	2	0	9
2.	MNU 07618	Maritime Law	Core	2	2	0	2	9
3.	MEU 07630	Naval Architecture	Core	4	1	0	1	9
4.	MEU 07631	MATLAB for Marine Engineers	Core	2	1	2	1	9
5.	MEU 07632	Numerical Methods	Fundamental	2	1	0	1	6
6.	MEU 07633	Design of Machine Elements	Core	4	1	0	1	9
7.	MEU 07634	Industrial Training III	Core	0	0	6	0	9
Subtotal				**16**	**8**	**10**	**6**	**60**
Total Hrs/per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Marine Engineering Technology (BMET)

Aim of the Programme

This programme aims to provide the student with concepts, principles of marine engineering, ships' knowledge, construction, operation and management and ability to use computers in engineering design work.

Purpose of Qualification

This qualification is intended for a person who will be in-charge of a Marine Engineering watch operating and monitoring machineries on board a ship in a manned engine room or as designated duty engineer in a periodically unmanned engine room and provides smooth progression to ship's engineer officer at management level. The qualification is also intended for a person who will manage and supervise a maritime and or engineering related enterprise.

Exit Point

An exit point for this programme will be at the end of the second semester

Module Arrangement

Semester 1
Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 07107	Logistics and Multimodal Transport	Fundamental	2	1	2	1	9
2.	SLU 08105	Statistics and Probability	Fundamental	2	1	2	1	9
3.	MEU 08101	Thermo-refrigeration and Air Conditioning	Core	2	0	2	0	6
4.	MEU 08102	Fluid Machines	Core	4	0	2	0	9
5.	MEU 08103	Stress Analysis	Core	4	1	0	1	9
6.	MEU 08104	General Marine Surveying	Core	2	1	0	1	6
7.	MEU 08105	Computer Aided Design	Core	4	0	4	0	12
Subtotal				**20**	**4**	**12**	**4**	**60**
Total Hrs/per week				**40**				

Semester 2
Year 4

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08207	Engine Room Simulation	Core	2	1	6	1	15
2.	MEU 08208	Environmental Management	Fundamental	4	1	0	1	9
3.	MEU 08209	Marine Electrical Propulsion and High Voltage	Core	4	1	2	1	12
4.	MEU 08210	Research Project	Core	0	0	8	0	12
5.	SLU 08210	Marine Professional Ethics	Fundamental	2	1	0	1	6
6.	ELECTIVE			2	1	0	1	6

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
Subtotal				**14**	**5**	**16**	**5**	**60**
Total Hrs/per week				**40**				

NB:
In semester two, 6 credits will be obtained from the one selected elective module in order to attain the minimum total of 60 credits.

ELECTIVES (One)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SLU 08207	Freight and Forwarding Practices	Fundamental	2	1	0	1	6
2.	SLU 08209	Shipping Finance and Accounting	Fundamental	2	1	0	1	6
3.	SLU 08212	Shipping Agency	Fundamental	2	1	0	1	6
4.	MNU 08203	Flag and Port State Control	Fundamental	2	1	0	1	6

4.3.2 Bachelor Degree (NTA Level 7/8) in Shipping and Logistics Management (BSLM)

(a) Higher Diploma (NTA Level 7) in Shipping and Logistics Management (HDSLM)

Aim of the programme
The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency based knowledge to work in multiplex logistical environments.

Purpose of Qualification
This qualification is intended for a person who will be responsible in Port, Logistics and Supply Chain Management careers. The graduate will have acquired knowledge and skills to undertake responsibilities in port operations and investment, fleet management, intermodal transport designing and simulation in logistics and supply chain models including networking and warehousing.

Exit Point
An exit point at the end of the sixth semester is provided to the candidate who may

not wish to proceed to Bachelor Degree in Shipping and Logistics Management (BSLM).

Module Arrangement

Semester 1

Year 1

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07101	Principles of Quality Management	Core	2	1	2	1	9
2.	SLU 07102	Engineering Knowledge for ships	Core	2	1	2	1	9
3.	SLU 07103	Maritime Safety and Security	Core	2	1	2	1	9
4.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
5.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
6.	SLU 07106	Logistics and Supply Chain Management	Core	2	1	2	1	9
7.	SLU 07107	Logistics and Multimodal Transport	Core	2	0	1	1	6
Subtotal				**14**	**6**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 2

Year 1

No.	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07208	Fundamentals of Annuities	Fundamental	2	1	2	1	9
2.	SLU 07209	Strategic Organization and Planning in Supply Chain System	Core	4	1	2	1	12
3.	SLU 07210	Inventory and Warehouse Management	Fundamental	2	1	2	1	9

No.	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	SLU 07211	Basics of Development Studies	Fundamental	2		2		6
5.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
6.	SLU 07213	Logistics Operations and Costing	Core	2		1	1	6
7.	SLU 07214	Industrial Training I	Core	0	0	6	0	9
Subtotal				**14**	**4**	**17**	**5**	**60**
Total hrs per week				**40**				

Semester 3
Year 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07315	Dangerous and hazardous Goods	Core	2		1	1	6
2.	SLU 07316	Shipping Insurance and Salvage	Core	2	1	2	1	9
3.	SLU 07317	Principles of Management and Leadership	Core	2		1	1	6
4.	SLU 07318	Transport and Logistics Environment	Core	2	1	2	1	9
5.	SLU 07319	Environmental Science	Fundamental	2		1	1	6
6.	SLU 07320	E-commerce	Fundamental	2	1	2	1	9
7.	SLU 07321	Customs Procedures and Regulations	Core	2	1	2	1	9
8.	SLU 07322	Development Studies	Fundamental	2		2		6
Subtotal				**16**	**4**	**13**	**7**	**60**
Total hrs per week				**40**				

Semester 4
Year 2

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MNU 07618	Maritime Law	Fundamental	2	1	2	1	9
2.	SLU 07423	Shipping Economics and International Trade	Fundamental	2	1	2	1	9
	SLU 07424	Shipping Finance	Core	2	0	1	1	6
3.	SLU 07425	Quantitative Approaches to Decisions Making	Fundamental	2	1	2	1	9
4.	SLU 07426	Research Methodology	Fundamental	2	1	2	1	9
5.	SLU 07427	Oil, Gas and Chemical Operations	Core	2	1	2	1	9
6.	SLU 07428	Industrial Training II	Core	0	0	6	0	9
Subtotal				**12**	**5**	**17**	**6**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Shipping and Logistics Management (BDSLM)

Aim of the programme

The aim of the programme is to produce graduate with competence to work in ports and supply chain networking, broad competency based knowledge to work in multiplex logistical environments.

Purpose of Qualification

This qualification is intended for a person who will be responsible in Port, Logistics and Supply Chain Management careers. The graduate will have acquired knowledge and skills to undertake responsibilities in port operations and investment, fleet management, intermodal transport designing and simulation in logistics and supply chain models including networking and warehousing.

Exit Point

An exit point for this programme will be at the end of the second semester.

Module Arrangement
Semester 1
Year 3

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08101	Charter Party and Bill of lading	Core	3	1	1	1	9
2.	SLU 08102	Supply Chain Design	Core	2	1	2	1	9
3.	SLU 08103	Logistics System Simulation	Core	2	2	3	1	12
4.	SLU 08104	Shipping Investment Appraisals	Core	2	1	2	1	9
5.	SLU 08105	Statistics and Probability	Fundamental	4	2	1	1	12
6.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	2	1	2	1	9
	Subtotal			**15**	**8**	**11**	**6**	**60**
	Total hrs per week			**40**				

Semester 2
Year 3

No	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08207	Port Economics and Management	Core	4	1	2	1	12
2.	SLU 08208	Port and Terminal Logistics	Core	4	1	2	1	12
3.	SLU 08209	Business of Shipping	Core	4	1	2	1	12
4.	SLU 08210	Shipping Finance and Accounts	Core	2	1	2	1	9
5.	SLU 08211	Research Project	Core	0	0	6	0	9
6.	Elective		Fundamental	2		1	1	6
Subtotal				**18**	**5**	**11**	**6**	**60**
Total hrs per week				**40**				

Elective Modules (select one)

	Code	Module Title	Class	Scheme of Study Hrs/ Week	Credits

				L	T	P	AS	
1.	SLU 08212	Freight Clearing and Forwarding	Fundamental	2		1	1	6
2.	MNU 08203	Flag and Port State Control	Fundamental	2		1	1	6
3.	SLU 08213	Shipping Agency	Fundamental	2		1	1	6
4.	SLU 08214	General Survey	Fundamental	2		1	1	6

NB: *6 credits will be taken from any 1 elective module to acquire the minimum 60 Credits*

4.3.3 Bachelor Degree (NTA Level 7/8) in Naval Architecture and Offshore Engineering (BNAOE)

(a) Higher Diploma (NTA Level 7) in Naval Architecture and Offshore Engineering (HDNAOE)

Aim of the Programme

This programme aims to provide the students with concepts, principles and skills of naval architecture and offshore engineering, underpinning knowledge of ships and offshore structures' design, construction, operation and maintenance and ability to use computers in design engineering works.

Purpose of Qualification

This qualification is intended for a person who will be a naval architect and offshore engineer who will work at a shipyard, dockyard or a maritime enterprise.

Exit Point

The Higher Diploma in Naval Architecture and Offshore Engineering is an exit from a three years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Naval Architecture and Offshore Engineering (HDNAOE).

Module Arrangement

Semester1

Year 1:

No	Module	Module	Class	Scheme of	Credits

	Code	Title		Study Hrs/ Week				
				L	T	P	AS	
1.	NAU 07101	Maritime English and Communication Skills	Fundamental	4	1	0	1	9
2.	NAU 07102	Maritime Safety and Security Awareness	Core	2	0	4	0	9
3.	NAU 07103	Differentiation and Integration Techniques	Fundamental	4	1	0	1	9
4.	NAU 07104	Workshop Technology and Practices	Core	2	0	6	0	12
5.	NAU 07105	Engineering Mechanics	Core	4	1	0	1	9
6.	NAU 07106	Engineering Drawings for Naval Architect	Core	4	0	4	0	12
	Subtotal			**20**	**3**	**14**	**3**	**60**
	Total hrs per week			**40**				

Semester 2:
Year 1

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07207	Computer Systems and Applications	Core	2	0	2	0	6
2.	NAU 07208	Hydrostatics and Ship Stability	Core	2	0	4	0	9
3.	NAU 07209	Oceanography	Core	4	0	2	0	9
4.	NAU 07210	Material Science	Core	2	0	2	0	6
5.	NAU 07211	Ship Technology and Hull Design	Core	4	0	2	0	9
6.	NAU 07212	Linear Algebra and Discrete Mathematics	Fundamental	2	1	0	1	6
7.	NAU 07213	Environment Science	Fundamental	2	1	0	1	6

8.	NAU 07214	Industrial Training I	Core	0	0	6	0	9
	Subtotal			**18**	**2**	**18**	**2**	**60**
	Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Semester 3:
Year 2

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	**T**	**P**	**AS**	
1.	NAU 07315	Medical First Aid and Fire Fighting Systems	Core	2	0	2	0	6
2.	NAU 07316	Thermodynamics and Heat Transfer	Core	2	0	2	0	6
3.	NAU 07317	Ship Structures Design and Construction	Core	2	1	4	1	12
4.	NAU 07318	Strength of Materials and Structural Analysis	Core	4	0	2	0	9
5.	NAU 07319	Electrical and Electronics Engineering	Core	4	0	1	1	9
6.	NAU 07320	Matrices, Complex Numbers and Differential Equations	Fundamental	2	1	0	1	6
7.	NAU 07321	Ship Hydrodynamics	Core	2	1	4	1	12
	Subtotal			**18**	**3**	**15**	**4**	**60**
	Total hrs per week			**40**				

Semester 4:
Year 2

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	**T**	**P**	**AS**	
1.	NAU 07422	Ship Design Skills and Marine	Core	4	0	4	0	12

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Surveying						
2.	NAU 07423	Finite Element Method	Fundamental	2	1	4	1	12
3.	NAU 07424	Automation and Control	Core	4	1	0	1	9
4.	NAU 07425	Research Methods and Statistics Analysis	Core	2	0	2	0	6
5.	NAU 07426	Business Economics	Fundamental	2	0	2	0	6
6.	NAU 07427	Social Theories of Development	Fundamental	2	0	2	0	6
7.	NAU 07428	Industrial Training II	Core	0	0	6	0	9
	Subtotal			**16**	**2**	**20**	**2**	**60**
	Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Semester 5:
Year 3

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 07529	Shipyard Practices	Core	4	1	0	1	9
2.	NAU 07530	Fluid Mechanics and Computational Dynamics	Core	2	0	2	0	6
3.	NAU 07531	Design of Subsea Systems	Core	4	1	2	1	12
4.	NAU 07532	Computer Aided Design (CAD)	Core	4	0	4	0	12
5.	NAU 07533	Marine Technology and Welding	Core	2	0	6	0	12
6.	NAU 07534	Marine Materials and Corrosion	Core	4	1	0	1	9
	Subtotal			**20**	**3**	**14**	**3**	**60**
	Total hrs per week			**40**				

Semester 6:
Year 3

No	Module Code	Module Title		Scheme of Study Hrs/	Credits

				Week				
				L	**T**	**P**	**AS**	
1.	NAU 07635	Numerical Method Techniques	Fundamental	4	1	2	1	12
2.	NAU 07636	MATLAB for Naval Architects and Offshore Engineers	Core	4	0	4	0	12
3.	NAU 07637	Ship and Offshore Production Technology	Core	4	0	4	0	12
4.	NAU 07638	Rural and Urban Development	Fundamental	2	1	2	1	9
5.	NAU 07639	Entrepreneurship Skills	Fundamental	2	0	2	0	6
6.	NAU 07640	Industrial Training III	Core	0	0	6	0	9
Subtotal				**16**	**2**	**20**	**2**	**60**
Total hrs per week				**40**				

Note: Industrial Training will be carried on during vacation

(b) Bachelor Degree (NTA Level 8) in Naval Architecture and Offshore Engineering (BNAOE)

Aim of the programme

This programme aims to provide the students with concepts, principles and skills of naval architecture and offshore engineering, underpinning knowledge of ships and offshore structures construction, operation and management and ability to use computers in naval architecture and offshore engineering design works.

Purpose of Qualification

This qualification is intended for a person who will be a Naval Architecture and Offshore Engineer in Marine Engineering. The qualification is also intended for persons who will manage and supervise construction of marine engineering structures and related enterprise.

Exit Point

An exit point for this programme will be at the end of the second semester

Module Arrangement
Semester 1:
Year 4

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08101	Offshore Construction	Core	4	0	1	1	9
2.	NAU 08102	Dynamics of Offshore Structures	Core	4	0	1	1	9
3.	NAU 08103	Offshore Standards and Recommended Practices	Core	2	0	1	1	6
4.	NAU 08104	Project Management	Fundamental	4	1	0	1	9
5.	NAU 08105	Offshore Drilling and Production	Core	4	1	0	1	9
6.	NAU 08106	Risk Analysis and Safety Management	Fundamental	2	0	1	1	6
7.	NAU 08107	Design Project Phase – I	Core	0	0	8	0	12
	Subtotal			**20**	**2**	**12**	**6**	**60**
	Total hrs per week			**40**				

Semester 2:
Year 4

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08208	Offshore Structure Design	Core	2	0	1	1	6
2.	NAU 08209	Seakeeping and Motions in Waves	Core	2	1	0	1	6
3.	NAU 08210	Marine and Offshore Machinery	Core	2	0	1	1	6
4.	NAU 08211	Machinery Maintenance and Strength Analysis	Core	2	0	1	1	6
5.	NAU 08212	Professional Ethical and Regulations	Fundamental	2	1	0	1	6
6.	NAU 08213	Design Project – Phase II	Core	0	0	4	0	6
7.	Elective I			4	1	1	2	12
8.	Elective II			4	1	1	2	12
	Subtotal			**18**	**4**	**9**	**9**	**60**
	Total hrs per week			**40**				

NB: In semester two, 24 credits will be obtained from the two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE

No	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	NAU 08214	Calculus (Multiple Integral), Vector Analysis and Partial Differential Equations	Elective	4	1	1	2	12
2.	NAU 08215	C++ Programming Language	Elective	4	1	1	2	12
3.	NAU 08216	3D-CAD modelling and assembling	Elective	4	1	1	2	12
4.	NAU 08217	Offshore geotechnical engineering	Elective	4	1	1	2	12

4.3.4 Bachelor Degree (NTA Level 7/8) in Procurement, Logistics and Supply Chain Management (BPLSM)

(a) Higher Diploma (NTA Level 7) in Procurement, Logistics and Supply Chain Management (HDPLSM)

Aim of the Programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement, logistics and supply management in order to handle processes in Procurement/purchasing, requisitions, deliveries warehousing, mitigations of business enterprises, fleet management and intermodal transport networking and forecast in multiplex logistical and supply chain environments, designing in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in Procurement, logistics and supply chain networks at managerial level

Exit Point

An exit point at the end of the fourth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Procurement, Logistics and Supply Chain Management.

Module Arrangement
Semester1 Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07106	Logistics and Supply Chain Systems Management	Core	4	1	2	1	12
2.	PSU 07101	Operations Research	Fundamental	4	2	1	1	12
3.	PSU 07102	Customer Relationship Management	Core	2	1	2	1	9
4.	SLU 07102	Engineering Knowledge for Ships	Fundamental	2	1	2	1	9
5.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
6.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
	Subtotal			**16**	**7**	**11**	**6**	**60**
	Total hrs per week			**40**				

Semester2 Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 07203	Procurement Negotiation Skills	Core	4	1	1	0	9
2.	PSU 07204	Materials Management	Core	4	1	2	1	12
3.	PSU 07205	Supply Chain Optimization and Logistics Costing	Core	2	2	2	2	12
4.	PSU 07206	Theories of Social Development	Fundamental	2	0	2	0	6
5.	PSU 07207	Production and Operations Management	Core	4	1	1	0	9
6.	PSU 07208	Industrial Training I	Core	0	0	8	0	12
	Subtotal			**16**	**5**	**16**	**3**	**60**

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
	Total hrs per week			40				

Semester 3 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 07309	Cargo and Goods in Transit Insurance	Core	4	2	2	2	15
2.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
3.	PSU 07310	Technology in Supply Chain Management	Core	2	1	2	1	9
4.	SLU 07321	Customs Procedures and Regulations	Core	2	1	2	1	9
5.	PSU 07311	Strategic Sourcing and Suppliers Management	Core	4	3	2	1	15
6.	PSU 07312	Rural and Urban Development	Core	2	0	2	0	6
Subtotal				**16**	**7**	**11**	**6**	**60**
Total hrs per week				**40**				

Semester 4 Year 2

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 07423	Shipping Economics and International Trade	Core	2	1	2	1	9
2.	SLU 07425	Quantitative Approaches to Decision Making	Fundamental	2	1	2	1	9
3.	SLU 07427	Procurement of Oil, Gas and Chemical	Core	2	1	2	1	9
4.	PSU 07413	Research Methods	Fundamental	2	1	2	1	9
5.	PSU 07414	Sales and marketing	Core	4	1	2	1	12

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Management						
6.	PSU 07415	Industrial Training II	Core	0	0	8	0	12
Subtotal				**12**	**5**	**18**	**5**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Procurement, Logistics and Supply Chain Management (BPLSM)

Aim of the programme

The aim of the programme is to produce graduate with advanced concepts and knowledge in Procurement logistics and supply management in order to handle processes in Procurement/procurement, requisitions, deliveries warehousing, mitigations of business enterprises, fleet management and intermodal transport networking and forecast in multiplex logistical and supply chain environments, designing and simulation in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in port operations, Procurement/Procurement, logistics, supply chain operations and designing of transport networks.

Exit Point

An exit point is provided at the end of the second semester and candidate may look for job or proceed to NTA level 9.

Module Arrangement
Semester 1 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 08101	Green and Sustainable Logistics and Supply Chain	Core	2	2	3	1	12
2.	PSU 08102	Global Sourcing and Supply chain Collaborations	Core	2	2	1	1	9
3.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	2	1	2	1	9
4.	SLU 08103	Logistics System Simulation	Core	2	2	3	1	12

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
5.	PSU 08103	Financial Investment Analysis in Logistics.	Core	4	0	1	1	9
6.	PSU 08104	Procurement and Supplies Audit	Core	2	1	2	1	9
Subtotal				**14**	**8**	**12**	**6**	**60**
Total hrs per week				**40**				

Semester 2 Year 3

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	PSU 08205	Procurement Contract Management	Core	4	0	3	1	12
2.	PSU 08206	Public Procurement	Core	2	2	3	1	12
3.	PSU 08207	Management of Accounting	Fundamental	2	0	3	1	9
4.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
5.	PSU 08208	Research Project	Core	0	0	8	0	12
6.	**Elective**		Fundamental	2	0	1	1	6
Subtotal				**12**	**3**	**20**	**5**	**60**
Total hrs per week				**40**				

NB: In semester two, 6 credits will be obtained from one selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMU 08207	Freight Clearing and Forwarding	Fundamental	2	0	1	1	6
2.	MTU 08203	Flag and Port State Control	Fundamental	2	0	1	1	6
3.	MEU 08104	Marine General Survey	Fundamental	2	0	1	1	6

4.3.5 Bachelor Degree (NTA Level 7/8) in Transport and Supply Chain Management (BTSM)

(a) Higher Diploma (NTA Level 7) in Transport and Supply Chain Management (HTSM)

Aim of the Programme

The aim of the programme is to produce graduate with concepts and knowledge in transport and supply management in order to handle processes in transport activities for all types of cargo, passengers and livestock in intermodal transport networking and forecast. Work in complex logistical and supply chain environments, designing in logistics and supply chain models.

Purpose of Qualification

This qualification is intended for person who will be undertaking duties in This qualification is intended for person who will be undertaking duties in transport activities, processes, configure business logistics and supply chain structures, transports' modelling, plan and executions to facilitate the flows of goods, information and related services.

Exit Point

An exit point at the end of the fourth semester is provided to the candidate who may not wish to proceed to Bachelor Degree in Transport and Supply Chain Management.

Module Arrangement
Semester 1:
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07101	Transport Economics	Core	4	1	2	1	12
2.	SLU 07104	Computer Applications	Fundamental	2	1	2	1	9
3.	SLU 07105	Communication Skills	Fundamental	2	1	2	1	9
4.	SLU 07106	Logistics and Supply Chain Systems Management	Core	4	1	2	1	12
5.	TSU 07102	Railway Transport Management	Core	4	1		1	9
6.	TSU 07103	Marketing of Transport Services	Core	4	1	0	1	9
Subtotal				**20**	**6**	**8**	**6**	**60**
Total hrs per week				**40**				

Semester 2 : Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07204	Logistics and Intermodal Transport Management	Core	4	1	2	1	12
2.	PSU 07206	Theories of Social Development	Fundamental	2	0	2	0	6
3.	TSU 07205	Maritime Transport Management	Core	4	1	0	1	9
4.	TSU 07206	Road Transport Management	Core	4	1	0	1	9
5.	TSU 07207	Transport Safety and Security	Core	4	1	2	1	12
6.	TSU 07208	Industrial Training I	Core	0	0	8	0	12
Subtotal				**18**	**4**	**14**	**4**	**60**
Total hrs per week				**40**				

Semester 3:
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07309	Strategic Procurement Management	Core	4	1	4	1	15
2.	TSU 07310	Dangerous and Hazardous Goods Management	Core	4	1	2	1	12
3.	TSU 07311	Transportation and Warehousing Management	Core	4	1	2	1	12
4.	SLU 07317	Principles of Management and Leadership	Fundamental	2	0	1	1	6
5.	SLU 07321	Customs Procedures and Regulations	Fundamental	4	1	0	1	9
6.	PSU 07312	Rural and Urban	Fundamental	2	0	2	0	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Development						
Subtotal				**20**	**4**	**11**	**5**	**60**
Total hrs per week				**40**				

Semester 4:
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 07412	Air Transport Management	Core	4	1	0	1	9
2.	TSU 07413	Pipeline Transport Management	Core	4	1	0	1	9
3.	TSU 07414	Strategic Organisation and Planning in Logistics and Transport	Fundamental	2	1	0	1	6
4.	PSU 07426	Research Methods	Core	2	1	2	1	9
5.	TSU 07415	International Law of Carriage of Goods	Fundamental	2	1	0	1	6
6.	SLU 07425	Quantitative Approaches to Decision Making	Fundamental	2	1	2	1	9
7.	TSU 07415	Industrial Training II	Core	0	0	8	0	12
Subtotal				**16**	**6**	**12**	**6**	**60**
Total hrs per week				**40**				

(b) Bachelor Degree (NTA Level 8) in Transport and Supply Chain Management (BTSM)

Aim of the programme

The aim of the programme is to produce graduate with concepts and knowledge in transport and supply management in order to handle processes in transport activities for all types of cargo, passengers and livestock in intermodal transport

networking. Should be capable in designing and simulating various multiplex transport, logistics and supply chain environments.

Purpose of Qualification

This qualification is intended for a person who will be undertaking duties in procurement processes, transport activities, processes, design; configure business logistics structures, transports' modelling, plan, policies formulation and executions to facilitate the flows of goods, information and related services.

Exit Point

An exit point is provided at the end of the second semester and candidate may look for job or proceed to NTA level 9.

Module Arrangement
Semester 1 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 08101	Urban and Rural Transport Management and Operations	Core	2	1	2	1	9
2.	PSU 08102	Global Sourcing and Supply chain Collaborations	Core	2	2	1	1	9
3.	PSU 08101	Sustainable Logistics and Supply Chain	Core	4	2	1	1	12
4.	TSU 08102	Financial Management and Accounting	Fundamental	4	2	1	1	12
5.	SLU 08106	Business Ethics and Corporate Governance	Fundamental	3	1	1	1	9
6.	TSU 08103	Law of Contract and Agency	Core	4	0	1	1	9
Subtotal				**19**	**8**	**7**	**6**	**60**
Total hrs per week				**40**				

Semester 2 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	TSU 08204	Supply Chain Design and Simulation	Core	2	1	2	3	12
2.	TSU 08205	Freight Transport Operations	Core	4	1	0	1	9
3.	TSU 08206	Freight and Passenger Insurance	Core	2	1	0	1	6
4.	TSU 08207	Transport Network and Design	Core	3	1	1	1	9
5.	SLU 07212	Entrepreneurship	Fundamental	2	1	2	1	9
6.	TSU 08208	Research Project	Core	0	0	6	0	9
7.	Elective		Fundamental	2	0	1	1	6
Subtotal				**15**	**5**	**12**	**8**	**60**
Total hrs per week				**40**				

NB: In semester two, 6 credits will be obtained from one of the three elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SLU 08212	Freight Clearing and Forwarding	Fundamental	2		1	1	6
2.	MNU 08203	Flag and Port State Control	Fundamental	2		1	1	6
3.	MEU 08104	Marine General Surveying	Fundamental	2		1	1	6

4.3.6 Bachelor Degree in Oil and Gas Engineering NTA Level 7/8

(a) Higher Diploma in Oil and Gas Engineering

Aim of the programme

The aim of the programme is to provide the student with concepts and principles of oil and gas engineering technology, provide skills and underpinning knowledge of exploration, evaluation, production, drilling, transportation, refining and decommission of oil and gas projects, provide skills on commission and decommission of oil and gas projects. And provide competence to accomplish various tasks such as ability to use computers in design as well as interpreting engineering works.

Purpose of Qualification

The qualification is also intended for persons who will manage an oil and gas engineering related enterprise. Furthermore, this qualification is also intended for a person who will perform various tasks in oil and gas field such a design, build, develop and implement various structures such as beam pumping unit, LNG processing plant and drilling system.

Exit Point

The Higher Diploma in Oil and Gas Engineering Technology is an exit from a four years bachelor degree programme. The candidates who will exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Oil and Gas Engineering Technology (HDOGET).

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07101	Basic Safety at Sea	Core	1	0	1	0	3
2.	OGU 07102	Petroleum Chemistry	Core	2	1	0	1	6
3.	OGU 07103	Workshop Technology and Practice	Core	2	0	2	0	6
4.	OGU 07104	Basic of Well Logging	Core	2	0	1	1	6
5.	OGU 07105	Material Science and Technology	Core	2	0	2	0	6
6.	OGU 07106	Basic of Technical Drawing	Core	2	0	2	0	6
7.	OGU 07107	Welding and Fabrication	Core	2	0	0	2	6
8.	OGU 07108	Elementary Calculus	Fundamental	2	0	2	2	9
9.	OGU 07109	Geophysical Exploration Technology	Core	2	0	2	0	6
10.	OGU 07110	Basic of Oil and Gas Field Development	Core	2	0	0	2	6
	Subtotal			**19**	**8**	**7**	**6**	**60**
	Total hrs per week			**40**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07211	Industrial Health, Safety and Environmental Protection	Fundamental	2	2	0	0	6
2.	OGU 07212	Oil and Gas Law and Regulations	Core	2	2	0	0	6
3.	OGU 07213	Fundamental of Reservoir Engineering	Core	2	0	2	0	6
4.	OGU 07214	Fundamental of Oil and Gas Protection	Core	2	0	2	2	9
5.	OGU 07215	Computer System and Applications	Core	2	0	4	0	9
6.	OGU 07216	Fundamentals of Oil and Gas Economics	Core	2	0	2	0	6
7.	OGU 07217	Instrumentation and Control	Core	2	0	2	0	6
8.	OGU 07218	Industrial Training I	Core	0	0	8	0	12
	Subtotal			**14**	**4**	**20**	**2**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07319	Communication Skills	Fundamental	2	1	0	1	6
2.	OGU 07320	Basic of Petroleum Engineering	Core	2	0	2	0	6
3.	OGU 07321	Petroleum Geology and Geophysical Exploration	Core	2	0	2	0	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	OGU 07322	Engineering Drawing	Core	2	0	2	0	6
5.	OGU 07323	Reservoir Fluid Properties	Core	3	0	3	0	9
6.	OGU 07324	Thermodynamics and Heat Transfer	Core	2	0	2	0	6
7.	OGU 07325	Logistics and Supply Chain Systems Management	Fundamental	2	0	2	0	6
8.	OGU 07326	Well Logging and Formation Evaluation	Core	4	1	3	2	15
	Subtotal			**19**	**2**	**16**	**3**	**60**
	Total hrs per week			**40**				

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07427	Development Studies	Fundamental	2	1	0	1	6
2.	OGU 07428	Fundamentals of Drilling Engineering	Core	2	0	2	0	6
3.	OGU 07429	Fundamentals of Petroleum Production Engineering	Core	2	0	2	2	9
4.	OGU 07430	Gas Reservoir Engineering	Core	2	0	2	0	6
5.	OGU 07431	Oil and Gas Pipeline Technology	Core	2	0	2	0	6
6.	OGU 07432	Basics of Petroleum Reservoir Engineering	Core	2	0	2	2	9
7.	OGU 07433	Probability and	Fundamental	2	1	2	1	9

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
		Statistics						
8.	OGU 07434	Industrial Training II	Core	0	0	6	0	9
	Subtotal			**14**	**2**	**18**	**6**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 5 Year 3

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 07535	Electrical and Electronics Engineering	Core	2	0	2	0	6
2.	OGU 07536	Petroleum Reservoir Engineering	Fundamental	2	0	2	2	9
3.	OGU 07537	Petroleum Production Engineering	Core	2	0	2	2	9
4.	OGU 07538	Fluid Mechanics	Core	2	0	2	0	6
5.	OGU 07539	Research Methodology	Fundamental	2	0	1	1	6
6.	OGU 07540	Principles of Management and Leadership	Fundamental	4	0	1	1	9
7.	OGU 07541	Strength Materials	Core	2	0	2	0	6
8.	OGU 07542	Computer Programming and Software Applications	Core	2	0	4	0	9
	Subtotal			**18**	**0**	**16**	**6**	**60**
	Total hrs per week			**40**				

Semester 6 Year 3

	Module Code	Module Title	Class	Scheme of Study Hrs/	Credits

				Week				
				L	**T**	**P**	**AS**	
1.	OGU 07643	Business Economics	Fundamental	2	1	0	1	6
2.	OGU 07644	Engineering Mechanics	Core	4	1	0	1	9
3.	OGU 07645	Fundamental of Petroleum Engineering Design	Core	2	0	4	2	12
4.	OGU 07646	Natural Gas Engineering	Core	2	0	2	2	9
5.	OGU 07647	Numerical Methods	Fundamental	2	1	0	1	6
6.	OGU 07648	Liquefied Natural Gas (LNG) Technology	Core	2	0	2	2	9
7.	OGU 07649	Industrial Training III	Core	0	0	6	0	9
	Subtotal			**14**	**3**	**14**	**9**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

(b) Bachelor Degree (NTA Level 8) in Oil and Gas Engineering (BOGE)

Aim of the programme

This programme aims at producing graduate with concepts and principles of Oil and Gas Engineering Technology, understanding, skills and underpinning knowledge of oil and gas asset management; and with ability to use computers in oil and gas engineering design work.

Purpose of Qualification

The qualification is intended for a person who will have ability to: conduct research, design oil and gas projects, analyse the viability of oil and gas project, install, operate and maintain oil and gas field equipment, develop plans for drilling in oil and gas well, perform drill of oil and gas well, perform well testing, monitor the well's oil and gas production, analysing geological data, monitor and evaluate reservoir performance, prepare reports and maps, develop oilfield production programmes, liaise with and advising managerial and technical staff, plan and construct boreholes.

Exit Point

An exit point is provided at the end of the second semester.

Semester 1 Year 4

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 8101	Underground Natural Gas Storage	Core	2	0	2	0	6
2.	OGU 8102	Reservoir Simulation and Performance Prediction	Core	4	1	2	1	12
3.	OGU 8103	Unconventional Reservoir	Core	2	1	0	1	6
4.	OGU 8104	Petroleum Refinery Technology	Core	2	0	0	0	6
5.	OGU 8105	Petroleum Economics	Core	2	1	2	1	6
6.	OGU 8106	Petrophysics of Reservoir Rocks	Core	2	0	0	2	6
7.	OGU 8107	Oil and Gas Field Development	Core	2	0	2	0	6
8.	OGU 8108	Entrepreneurship Practices	Fundamental	2	1	0	1	6
9.	OGU 8109	Project Phase I	Core	0	0	0	4	6
	Subtotal			**18**	**4**	**8**	**10**	**60**
	Total hrs per week			**40**				

Semester 2 Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 8210	Advanced Drilling Engineering	Core	2	2	2	2	12
2.	OGU 8211	Maintenance Management of Machinery	Core	2	1	2	1	9
3.	OGU 8212	Management of Oil and Gas Projects	Core	4	1	2	1	12
4.	OGU 8213	Ethical Conducts and Engineering Procedures	Fundamental	2	1	1	0	6
5.	OGU 8214	Project Phase II	Core	0	0	0	6	9
6.	Elective I			2	0	2	0	6
7.	Elective II			2	0	2	0	6
	Subtotal			**14**	**5**	**11**	**10**	**60**
	Total hrs per week			**40**				

NB: In semester two, 12 credits will be obtained from two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	OGU 08215	C++ Programming for Engineers	Elective	2		2		6
2.	OGU 08216	Oil and Gas Well Simulation	Elective	2		2		6
3.	OGU 08217	Transport Processes in Petroleum Production		2		2		6
4.	OGU 08218	Geostatic	Elective	2		2		6
5.	OGU 08219	Oil and Gas Reservoir Modelling	Elective	2		2		6
6.	OGU 08220	Petroleum Property Evaluation	Elective	2		2		6

4.3.7 Bachelor Degree in Mechanical and Marine Engineering (NTA Level 7/8)

(a) Higher Diploma (NTA Level 6) in Mechanical and Marine Engineering-(BMME)

Aim of the Programme

This programme aims at producing graduate with concepts and principles of mechanical and marine engineering, skills and underpinning knowledge of ships, their construction and their operation; and ability to use computers in engineering work.

Purpose of Qualification

The qualification is intended for persons who will work as junior engineers to manage a maritime and or mechanical engineering related enterprise. This qualification is also intended for a person who will be an officer in charge of an engineering watch operating and monitoring machineries on board a ship.

Exit Point

The Higher Diploma in Mechanical and Marine Engineering is an exit from a four years bachelor degree programme. The candidates who will exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Mechanical and Marine Engineering (HDMME).

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07101	Basic Safety at Sea	Core	1	0	1	0	3
2.	MMU 07102	Elementary Calculus	Fundamental	2	0	1	1	6
3.	MMU 07103	Basic of Computing Skills	Fundamental	2	1	1	0	6
4.	MMU 07104	Maritime English	Fundamental	2	1	1	0	6
5.	MMU 07105	Workshop Technology and Practice	Core	2	0	3	1	9
6.	MMU 07106	Basic of Technical Drawing	Core	2	0	1	1	6
7.	MMU 07107	Engine Room Rating	Core	1	0	1	0	3
8.	MMU 07108	Diesel Engine, Steam and Gas Turbines	Core	2	0	3	1	9
9.	MMU 07109	Marine Engineering Watch keeping	Core	2	0	1	1	6
10.	MMU 07110	Basic Mechanics	Core	2	0	1	1	6
	Subtotal			**18**	**2**	**14**	**6**	**60**
	Total hrs per week			**40**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07211	Advanced Safety at Sea	Core	1	0	1	0	3
2.	MMU 07212	Marine Auxiliary Machinery and Systems	Core	2	1	0	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
3.	MMU 07213	Elementary of Material Science	Core	2	1	0	1	6
4.	MMU 07214	Basic of Computer Aided Drafting	Core	2	1	1	0	6
5.	MMU 07215	Basics of Maritime Law	Fundamental	2	0	0	0	3
6.	MMU 07216	Thermodynamics and Heat Transfer	Core	2	1	1	0	6
7.	MMU 07217	Electro-technology	Core	2	0	2	0	6
8.	MMU 07218	Basic Machine Elements Design	Core	2	1	1	0	6
9.	MMU 07219	Instrumentation, Control and Automation	Core	2	0	0	0	3
10.	MMU 07220	Maintenance of Marine Auxiliary Machinery	Core	2	1	1	0	6
11.	MMU 07221	Industrial Practical Training I	Core	0	0	6	0	9
	Subtotal			**19**	**6**	**13**	**2**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07322	Communication Skills	Fundamental	2	1	0	1	6
2.	MMU 07323	Matrix Algebra and Vector Analysis	Fundamental	2	1	0	1	6
3.	MMU 07324	Solid Mechanics	Core	3	0	2	1	9
4.	MMU 07325	Materials Technology	Core	2	0	3	1	9
5.	MMU 07326	Engineering Statistics	Core	4	0	1	1	9
6.	MMU 07327	Development Studies	Fundamental	2	1	0	1	6
7.	MMU 07328	Fluid Mechanics	Core	2	0	1	1	6
8.	MMU 07329	Naval Architecture	Core	3	0	2	1	9

	Subtotal	**20**	**3**	**9**	**8**	**60**
	Total hrs per week	**40**				

Semester 4 Year 2

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07430	Calculus	Fundamental	2	1	0	1	6
2.	MMU 07431	Numerical Methods	Fundamental	2	1	0	1	6
3.	MMU 07432	Principles of Management	Fundamental	2	1	0	1	6
4.	MMU 07433	Shipping Economics and International Trade	Fundamental	2	1	0	1	6
5.	MMU 07434	Engineering Dynamics	Core	4	1	0	1	9
6.	MMU 07435	Design of Machine Elements	Core	4	0	1	1	9
7.	MMU 07436	Computer Aided Drafting	Core	2	0	3	1	9
8.	MMU 07437	Industrial Practical Training II	Core	0	0	6	0	9
	Subtotal			**18**	**5**	**10**	**7**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

Semester 5 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07538	Mechanical Engineering Design	Core	2	1	4	1	12
2.	MMU 07539	Maintenance of Propulsion Machinery	Core	2	1	4	1	12
3.	MMU 07540	Industrial Electronics	Core	2	1	2	1	9
4.	MMU 07541	Shipbuilding Technology	Core	2	1	2	1	9
5.	MMU 07542	Research	Fundamental	2	1	2	1	9

		Methodology						
6.	MMU 07543	Basic of Electrical Engineering	Core	2	1	2	1	9
	Subtotal			**12**	**6**	**16**	**6**	**60**
	Total hrs per week			**40**				

Semester 6 Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 07644	Marine Survey	Core	4	1	2	1	12
2.	MMU 07645	Maritime Law	Core	2	2	0	2	9
3.	MMU 07646	Entrepreneurship	Fundamental	2	1	0	1	6
4.	MMU 07647	Project Management	Fundamental	4	2	0	2	12
5.	MMU 07648	Group Design Project	Core	0	0	8	0	12
6.	MMU 07649	Industrial Practical Training III	Core	0	0	6	0	9
	Subtotal			**12**	**6**	**16**	**6**	**60**
	Total hrs per week			**40**				

Note: *Industrial Training will be carried on during vacation*

(b) Bachelor in Marine and Mechanical Engineering (NTA level 8)

Aim of the programme

This programme aims at producing graduate with concepts and principles of mechatronics engineering, understanding, skills and underpinning knowledge of mechatronics systems, their construction, operation and management; and ability to use computers in engineering design work.

Purpose of Qualification

Upon successful completion of the programme graduates will have the qualification of working on shore as engineers in related mechanical and marine engineering tasks in production industries, industrial workshops or offshore platforms.

Also as officer in charge of engineering watch after acquiring the required supervised sea service.

Exit Point

An exit point is provided at the end of the second semester.

Semester 1 Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 08101	Quantitative Methods	Fundamental	2	1	0	1	6
2.	MMU 08102	Thermo-Refrigeration and Air Conditioning	Core	2	1	3	0	9
3.	MMU 08103	Fluid Machinery	Core	2	1	2	1	9
4.	MMU 08104	Computer Aided Design	Core	2	1	2	1	9
5.	MMU 08105	Engine Room Simulation	Core	2	0	4	0	9
6.	MMU 08106	Mechanical Vibrations	Core	2	1	2	1	9
7.	MMU 08107	Computational Fluid Dynamics	Core	4	1	0	1	9
	Subtotal			**16**	**6**	**13**	**5**	**60**
	Total hrs per week			**40**				

Semester 2 Year 4

S/N	Module Code	Module Title		Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MMU 08208	Environmental Management	Fundamental	4	2	0	2	12
2.	MMU 08209	Manufacturing Processes and Industrial Automation	Core	4	2	0	2	12
3.	MMU 08210	Final Project	Core	0	0	8	0	12
4.	Elective I			4	2	0	2	12
5.	Elective II			4	2	0	2	12
	Subtotal			**16**	**6**	**13**	**5**	**60**
	Total hrs per week			**40**				

NB: In semester two, 24 credits will be obtained from two selected elective modules in order to attain the minimum total of 60 credits.

ELECTIVE MODULES

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/ Week	Credits

				L	T	P	AS	
1.	MMU 08211	Dynamic and Control	Elective	4	2	0	2	12
2.	MMU 08212	Industrial Management	Elective	4	2	0	2	12
3.	MMU 08213	Business of Shipping	Elective	4	2	0	2	12
4.	MMU 08214	Shipping Finance and Accounting	Elective	4	2	0	2	12
5.	MMU 08215	Flag and Port State Control	Elective	4	2	0	2	12
6.	MMU 08216	Ship Agency	Elective	4	2	0	2	12

4.3.8 Bachelor in in Mechatronics Engineering (NTA Level 7/8)

(a) Higher Diploma in Mechatronics Engineering (NTA Level 7)

Aim of the programme

This programme aims at producing a graduate with comprehensive concepts and principles of mechatronics engineering, skills and underpinning knowledge in a broad range of complex technical activities responsible work at production industry and engineering plants use computers in designing and simulation of engineering models and employ researches to provide solutions to engineering problems.

Purpose of Qualification

This qualification is intended for a person who will determine how to improve production in manufacturing by developing new machinery and tools, improve automated processes in a production line and manage and supervise engineering plants and enterprises.

Exit Point

The Higher Diploma in Mechatronics Engineering is an exit from a four years bachelor programme. The candidate who exits the programme at the end of year 3 having successfully attained a minimum of 360 credits will be eligible for award of Higher Diploma in Mechatronic Engineering (HDMTE)

Semester 1
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07146	Communication	Fundamental	2	1	0	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
		Skills for Engineers						
2.	MEU 07147	Matrix, algebra and Vector Analysis for Engineers	Fundamental	2	1	0	1	6
3.	MEU 07148	Engineering Statics	Core	4	1	0	1	9
4.	MEU 07149	Electric Circuits	Core	6	1	2	1	15
5.	MEU 07101	Workshop Technology and Practice	Core	2	0	6	0	12
6.	MEU 07125	Engineering Drawing	Core	2	1	1	0	6
7.	MEU 07150	Computer systems and Application	Core	2	1	1	0	6
Subtotal				**20**	**6**	**10**	**4**	**60**
Total Hrs per week				**40**				

Semester 2
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07251	Engineering Dynamics	Core	4	1	0	1	9
2.	MEU 07252	Electrical and Electronics workshop Practice	Core	2	0	6	0	12
3.	MEU 07253	Development Studies	Fundamental	2	1	0	1	6
4.	MEU 07254	Technical Computing with Matlab	Core	2	0	2	0	6
5.	MEU 07255	Calculus and Differential	Fundamental	2	1	0	0	5

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
		Equations for Engineers						
6.	MEU 07256	Electrical Principles and Technology	Core	2	0	2	0	6
7.	MEU 07257	Electronics Device and Devices and Circuits	Core	2	1	1	1	7
8.	MEU 07258	Industrial Training I	Core	0	0	6	0	9
Subtotal				**16**	**4**	**17**	**3**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 3
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07305	Thermodynamics and Heat Transfer	Core	2	1	0	1	6
2.	MEU 07336	Strength of Material	Core	2	1	0	1	6
3.	MEU 07359	Electrical Machines	Core	4	0	3	0	11
4.	MEU 07360	Electronics Circuit Design	Core	2	1	1	0	6
5.	MEU 07361	Statistics and Probability for Engineers	Fundamental	2	1	0	0	4
6.	MEU 07309	Fluid Mechanics	Core	2	1	0	1	6
7.	MEU 07307	Design of Machine Elements	Core	4	0	4	0	12
8.	MEU 07306	Material Technology	Core	4	1	0	1	9

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
Subtotal				**22**	**6**	**8**	**4**	**60**
Total Hrs per week				**40**				

Semester 4
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07463	Computer Programming	Core	2	1	2	1	9
2.	MEU 07464	Mechanics of Solids	Core	2	1	2	1	9
3.	MEU 07465	Digital Logic Circuits and Design	Core	4	1	0	1	9
4.	MEU 07466	Microcontroller Based design	Core	4	1	2	1	12
5.	MEU 07467	Modeling Analysis and System Control	Core	4	1	2	1	12
6.	MEU 07468	Industrial Training II	Core	0	0	6	0	9
Subtotal				**16**	**5**	**14**	**5**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

Semester 5:
Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07569	Industrial Automation	Core	4	0	2	0	9
2.	MEU 07549	Research Methodology	Fundamental	2	1	0	1	6
3.	MEU 07570	Mechatronics System Design	Core	4	1	3	0	12
4.	MEU 07571	Artificial Intelligence	Core	2	1	2	1	9
5.	MEU 07572	Design of Control Systems	Core	4	1	2	1	12
6.	MEU 07573	Machine Parts Assembling	Core	4	1	2	1	12

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
Subtotal				**20**	**5**	**11**	**4**	**60**
Total Hrs per week				**40**				

Semester 6
Year 3

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 07674	Power Electronics	Core	2	1	2	1	9
2.	MEU 07675	Data Structures and Object Oriented Programming	Core	2	1	2	1	9
3.	MEU 07676	Electrical Measurements and Instrumentation	Core	2	1	2	1	9
4.	MEU 07677	Electric Drives	Core	2	1	2	1	9
5.	MEU 07678	VLSI Design Concepts and Methodologies	Core	2	1	2	1	9
6.	MEU 07679	Industrial Training III	Core	0	0	10	0	15
Subtotal				**10**	**5**	**20**	**5**	**60**
Total Hrs/per week				**40**				

Note: Industrial Training will be carried on during vacation

b) Bachelor Degree (NTA Level 8) in Mechatronics Engineering (BMTE)
Aim of the programme
This programme aims at producing graduate with concepts and principles of mechatronics engineering, understanding, skills and underpinning knowledge of mechatronics systems, their construction, operation and management; and ability to use computers in engineering design work.

Purpose of Qualification
This qualification is intended for a person who will determine how to improve production in manufacturing by developing new machinery and tools, improve automated processes in a production line and manage and supervise engineering plants and enterprises.
Exit
An exit point for this programme will be at the end of the second semester.

Semester 1
Year 4

S/N	Module	Module Title	Class	Scheme of	Credits

	Code			Study Hrs/Week				
				L	T	P	AS	
1.	SMU 08101	Quantitative Methods	Fundamental	2	1	0	1	6
2.	MEU 08128	Modeling and Simulation	Core	4	0	2	0	9
3.	MEU 08129	Mechanical Vibrations	Core	4	0	2	0	9
4.	MEU 08130	Engineering Maintenance	Core	4	0	4	0	12
5.	MEU 08105	Computer Aided Design	Core	4	1	2	1	12
6.	MEU 08131	Robot Kinematics and Dynamics	Core	4	1	2	1	12
Subtotal				**22**	**3**	**12**	**3**	**60**
Total Hrs per week				**40**				

Semester 2
Year 4

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08232	Embedded Systems	Core	4	1	2	1	12
2.	MEU 08233	Heat, Ventilation, Refrigeration and Air Conditioning	Core	2	0	2	0	6
3.	MEU 08234	Project Management	Fundamental	2	1	0	1	6
4.	MEU 08235	Engineering Economic Analysis	Core	2	1	0	1	6
5.	MEU 08236	Dissertation/ Design Project	Core	0	0	8	0	12
6.	Elective I			4	0	2	0	9
7.	Elective I			4	0	2	0	9
Subtotal				18	3	16	3	60
Total Hrs/per week				**40**				

ELECTIVE MODULES

	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEU 08237	Numerical Analysis	Elective	4	0	2	0	9
2.	MEU 08238	Entrepreneurship Skills	Elective	4	0	2	0	9
3.	MEU 08239	Filter Design and Digital Signal Processing	Elective	4	0	2	0	9
4.	MEU 08240	High Voltage Engineering		4	0	2	0	9

4.3.8 Master Degree (NTA Level 9) in Shipping Economics and Logistics (MSEL)

Aims of the Programme

The aim of the programme is to produce graduate with mastery of complex knowledge, skills and aptitude in shipping economics and logistics. The programmes underpin issues in shipping and logistics modelling and optimisations, port operations, fleet management and intermodal transport networking. Furthermore, the graduate must be able to use computers in designing, simulation, warehousing management, inventory control, mitigation of business enterprises, fleet management and forecast for sustainable, profitable and productivity gearing to industrialized economy.

Purpose of the programmes

This qualification is intended for a person who will be a Shipping Economist and shall be able to optimise, plan, organise, control, execute, evaluate the viable networks and projects in Shipping, logistics and supply chain in a dynamic and sustainable business environment. Likewise, she/he shall be able to carry out research, consultancy and develop policies at managerial level.

Module Arrangement
Semester 1 Year 1

No.	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09101	Shipping Business and Services Marketing	Core	2	1	2	1	9
2.	SEG 09102	Logistics and Supply	Core	2	1	2	1	9

		Chain Systems						
3.	SEG 09103	Strategic Procurement and Inventory Management	Core	2	0	1	1	6
4.	SEG 09104	Blue Economy Sustainability	Core	2	1	2	1	9
5.	SEG 09105	Shipping Technology, Innovation and Survey	Core	2	1	2	1	9
Subtotal				**10**	**4**	**9**	**5**	**42**
Total Hrs per week				**28**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09206	Shipping Economics and Port Management	Core	4		1	1	9
2.	SEG 09207	Applied Business Statistics and Operations Research	Fundamental	2	1	2	1	9
3.	SEG 09208	Shipping Finance and Accounting Management	Core	2	1	2	1	9
4.	SEG 09209	Shipping Derivatives and Risk Management	Core	2		1	1	6
5.	SEG 09210	Strategic Human Resource Management	Fundamental	2		1	1	6
Subtotal				**12**	**2**	**7**	**5**	**39**
Total Hrs per week				**26**				

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09311	Strategic Management and Business	Fundamental	2	1	2	1	9

		Ethics						
2.	SEG 09312	Research Methodology	Core	2		1	1	6
3.	SEG 09313	Maritime Law	Core	2	1	2	1	9
4.	SEG 09314	Managerial Economics	Core	2	1	2	1	9
5.	Elective		Fundamental	2		1	1	6
Subtotal				**10**	**3**	**8**	**5**	**39**
Total Hrs per week				**26**				

Electives (one Module)

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SEG 09315	Intermodal and Multimodal Transport	Fundamental	2		1	1	6
2.	SEG 09316	Passenger and Livestock Transport	Fundamental	2		1	1	6
3.	SEG 09317	Entrepreneurship Practices	Fundamental	2		1	1	6

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SEG 09418	Dissertation	Core	60
	Sub Total			60

Total minimum credits required at this level is 180

4.3.9 Master Degree (NTA Level 9) in Transport and Supply Chain Management (MTSM)

Aims of the Programme

The aim of the programme is to produce graduate with mastery of complex knowledge skills and aptitude in shipping economics, logistics and supply management in order to work in multiplex transport, shipping, logistical and supply chain environments, manage the processes in designing logistics and supply chain

models, deliveries, mitigations of transport business enterprises, fleet management and intermodal transport networking, cost-benefit analysis and forecast. Imbuing positive attitudes toward work and professional advancement.

Purpose of the programmes

This qualification is intended for a person who will be a Transport Logician. The person will be able to plan, cost, price, organise and execute transport and supply chain in a dynamic and sustainable business environment at managerial level.

Module Arrangement

Semester 1 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
6.	SMG 09120	Transport Economics and Regional Markets	Core	3	1	1	1	9
7.	SMG 09121	Strategic Supply Chain Management and Governance	Core	3	1	1	1	9
8.	SMG 09122	Shipping, Port Operations and Services marketing	Core	2	0	1	1	6
9.	SMG 09123	Customer Service and Logistics Interface Management	Core	3	1	1	1	9
10.	SMG 09124	Technology Enablers for Supply Chain Management	Core	3	1	1	1	9
Subtotal				**14**	**4**	**5**	**5**	**42**
Total Hrs per week				**28**				

Semester 2 Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09225	Business Forecasting and Optimization Methods	Core	3	1	1	1	9
2.	SMG 09226	Financing and Accounting of Transport and Supply chain Systems.	Fundamental	2	1	0	1	6
3.	SMG 09227	Inventory and Warehouse Management	Core	2	0	1	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
4.	SMG 09228	Maritime Transport Operations Management	Core	2	1	0	1	6
5.	SMG 09229	Rail Transport Operations Management	Core	2	0	1	1	6
6.	SMG 09230	Road Transport Operations Management	Core	2	1	0	1	6
Subtotal				**13**	**4**	**3**	**6**	**39**
Total Hrs per week				**26**				

Semester 3 Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09331	Air Transport Operations Management	Core	2	0	1	1	6
2.	SMG 09332	Pipeline Transport Operations Management	Core	2	0	1	1	6
3.	SMG 09333	Legal Aspects of Transport and Insurance	Fundamental	3	1	1	1	9
4.	SMG 09317	Entrepreneurship	Fundamental	2	1	0	1	6
5.	SMG 09312	Research Methodology	Core	2	1	0	1	6
6.	Elective		Fundamental	2	0	1	1	6
Subtotal				**13**	**3**	**4**	**6**	**39**
Total Hrs per week				**26**				

Electives (one Module)

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	SMG 09334	Transport Geography and Network Analysis	Core	2		1	1	6
2.	SMG 09335	Urban and Rural	Core	2		1	1	6

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
		Transport Operations Management						
3.	SMG 09315	Intermodal and Multimodal Transport	Core	2		1	1	6
4.	SMG 09316	Strategic Management	Core	2		1	1	6

Total minimum credits required at this level is 180

Semester 4 Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SMG 09419	Dissertation	Core	60
Sub Total				60

4.3.10 Master Degree in Marine Engineering Management (NTA Level 9)

Aim of the Programme

This programme aims at producing postgraduates engineers with current tools, knowledge and skills necessary for a successful career in local and global marine engineering management; support the progression of engineers of all disciplines; promote entrepreneurship and entrepreneurship and the core values of ethical enterprise in modern economies.

Purpose of Qualification

This qualification is intended to provide students with skills and capability to analyse the performance of ship at sea, manage maritime projects, model maritime systems, manage maritime fleet and assets, control and maintain marine machineries and analyse the behaviour of materials and their performance in marine environment.

Module Arrangement
Semester 1
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09101	Ship Performance Optimization	Core	2	1	0	1	**6**
2.	MEG 09102	Marine Design with CAD	Core	2	2	4	0	**12**
3.	MEG 09103	Ship Design Management	Core	2	1	0	1	**6**
4.	MEG 09104	Management of Marine Power Systems	Core	2	1	2	1	**9**

5.	MEG 09105	Maritime Energy Management	Core	2	1	0	1	**6**
Subtotal				**10**	**6**	**6**	**4**	**39**
Total Hrs per week				**26**				

Semester 2
Year 1

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	**T**	**P**	**AS**	
1.	MEG 09206	Shipboard Monitoring and Control Systems.	Core	2	1	2	1	9
2.	MEG 09207	Marine Maintenance and Asset Management	Core	2	1	0	1	6
3.	MEG 09208	Maritime Project Management	Fundamental	2	1	1	0	6
4.	MEG 09209	Dynamic Modelling and Simulation of Marine Systems	Core	2	1	4	1	12
5.	MEG 09210	Marine Computational Intelligence	Core	2	1	4	1	12
Subtotal				**10**	**5**	**11**	**4**	**45**
Total Hrs per week				**30**				

Semester 3
Year 2

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	**T**	**P**	**AS**	
1.	MEG 09311	Programming with MATLAB	Core	2	1	2	1	9
2.	MEG 09312	Research Skills and Statistical Methods	Fundamental	2	1	0	1	6
3.	MEG 09313	Safety and Environmental Engineering Management	Core	2	1	0	1	6
4.	SEG 09332	Pipeline Transport Operations Management	Core	2	1	0	1	6
5.	ELECTIVE			2	2	0	2	9

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
Subtotal				**10**	**6**	**2**	**6**	**36**
Total Hrs per week				**24**				

Electives

S/N	Module Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MEG 09314	Sustainable Maritime Business	Elective	2	1	0	1	9
2.	MEG 09315	Regulatory Framework and Marine Survey	Elective	2	1	0	1	9
3.	SEG 09313	Maritime Law	Elective	2	1	0	1	9
4.	SEG 09104	Maritime Economics	Elective	2	1	0	1	9

Semester 4
Year 2

S/N	Module Code	Module Title	Class	Credits
1.	SMG 09419	Dissertation	Core	60
	Sub Total			**60**

4.3.11 Master Degree in International Trade and Maritime Law

Aim of the Programme
This programme aims at producing postgraduates with competence to evaluate circumstances in maritime industry and give proper legal advice, competence knowledge to work on complex maritime law issues and encourage positive attitude towards work and professional advancement.

Purpose of Qualification
This qualification is intended for person who will work as business lawyers, legal adviser, shipping solicitor, port manager, maritime brokers, costs lawyer, academic teacher/researcher, finance administrators, transport and logistics lawyer.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study	Credits

				Hrs/ Week				
				L	T	P	AS	
1.	IMG 09101	Conflict of Laws	Core	4	2	0	2	12
2.	IMG 09102	Shipping Finance and Ship Registrations	Core	4	1	0	1	9
3.	IMG 09103	Carriage of Goods by Sea	Core	4	1	0	1	9
4.	IMG 09104	Marine Insurance and General Average	Core	4	1	0	1	9
5.	IMG 09105	Maritime Safety and Security	Core	2	1	0	1	6
Subtotal				**18**	**6**	**0**	**6**	**45**
Total hrs per Week				**30**				

Semester 2
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	IMG 09206	International Trade Governance	Core	4	1	0	1	9
2.	IMG 09207	Trade and Letter of Credits	Core	4	1	0	1	9
3.	IMG 09208	Multimodal Transportation	Fundamental	4	2	0	2	12
4.	SMG 09312	Research Methodology	Fundamental	2	1	0	1	6
5.	IMG 09209	International Competition Law	Core	4	1	0	1	9
Subtotal			**18**	**6**	**0**	**6**	**45**	**18**
Total hrs per Week			**30**					

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	SMG 09317	Entrepreneurship	Fundamental	2	1	0	1	6
2.	IMG 09310	E-Commerce	Fundamental	2	1	0	1	6
3.	IMG 09311	Trade and Intellectual Property	Cove	2	1	0	1	
4.	Elective			2	1	0	1	6
Subtotal				**8**	**4**	**0**	**4**	**24**
Total hrs per week			**16**					

Electives (to select one module as elective)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	IMG 09312	International Environmental Law	Fundamental	2	1		1	6
2.	IMG 09313	International Commercial Arbitration	Fundamental	2	1		1	6
3.	SMG 09332	Pipeline Transport Operations Management	Fundamental	2	1		1	6

Semester 4
Year 2

S/N	Module Code	Module Title	Credits
1.	SMG 09419	Dissertation	60
	Sub Total		**60**

4.3.12 Master Degree in Maritime Transport and Nautical Science

Aims of the Programme

The aim of the programme is to produce graduates with:

- Competence to evaluate circumstances in maritime industry and give proper advice.
- Broad competency based knowledge to work on complex maritime transport management issues.
- Positive attitudes toward work and professional advancement.

Objectives of the Programme

The objectives of the programme are:

- To provide students with comprehensive knowledge, skills and principles of marine nautical science and maritime transport management.
- To provide students with technological skills necessary for supervision and safe operation of marine vessels.
- To provide students with design, simulation and innovative skills in nautical science and maritime transport
- To provide students with knowledge and skills in leadership, project management and research in order to tackle problems in maritime industry.

Module Arrangement
Semester 1
Year 1

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09101	Maritime Safety and Security Management	Core	2	1	2	1	9
2.	MTG 09102	Navigation and Bridge Management	Core	2	1	4	1	12
3.	MTG 09103	Legislation and International Codes	Core	2	1	2	1	9
4.	MTG 09104	Ship Manoeuvring and Control	Core	2	1	2	1	9
Subtotal				**8**	**4**	**10**	**4**	**39**
Total hrs per Week				**26**				

Semester 2
Year *1*

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09205	Propulsion and Auxiliary Systems Management	Fundamental	2	1	2	1	9
2.	MTG 09206	Marine Pollution Prevention and Management	Fundamental	2	1	0	1	6
3.	MTG 09207	Research Methodology	Core	2	2	2	2	12

S/N	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
4.	MTG 09208	Maritime Economics and Shipping Business	Core	2	1	2	1	9
5.	MTN 09209	Management of Ports and Terminals	Core	2	1	2	1	9
Subtotal				**10**	**6**	**8**	**6**	**45**
Total hrs per Week				**30**				

Semester 3
Year 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Credits
				L	T	P	AS	
1.	MTG 09310	Cargo Stowage and Customs Management	Cove	2	1	0	1	6
2.	MTG 09311	Simulation of Shipboard Operations	Cove	2	1	2	1	9
3.	MTG 09312	Dynamics of Marine Vessels	Cove	2	1	2	1	9
4.	MTG 09313	Leadership and Management of Maritime Industries	Cove	2	1	0	1	6
5.	Elective			2	1	0	1	6
Subtotal				**10**	**5**	**4**	**5**	**36**
Total hrs per week				**24**				

Electives (to select one module as elective)

S/N	Code	Module Title	Class	Scheme of Study Hrs/Week				Credits
				L	T	P	AS	
1.	MTG 09314	Maritime Accident and Investigation Management	Core	2	1	0	1	6
2.	MTG 09315	Entrepreneurship Practice	Fundamental	2	1	0	1	6

3.	MTG 09316	Maritime Inspection and Documentation	Core	2	1	0	1	6
4.	MTG 09317	Maritime Project Management	Core	2	1	0	1	6

Semester 4
Year 2

S/N	Code	Module Title	Credit
1.	MTG 09418	Dissertation	60
	Sub Total		**60**

4.4 Certificate of Competency (CoC) Programmes

4.4.1 Maritime Transport Department

4.4.1.1 Officer in Charge of a Navigational Watch on Ships less than 500GT Engaged on Near Coastal Voyage

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/3 of the STCW Convention for the function of Navigation at the Operational level, Cargo handling and stowage at the Operational level and controlling the operation of the ship and care for persons on board at the Operational level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TON 201	Chart Work	Core	5	0	1	0	6
2.	TON 202	Practical Navigation	Core	4	0	1	0	5
3.	TON 203	Meteorology	Core	4	0	0	0	4
4.	TON 204	Signalling	Core	3	0	2	0	5
5.	TON 205	General Ship Knowledge	Core	4	0	0	0	4
6.	TON 206	Watchkeeping	Core	5	0	0	0	5
7.	TON 207	Maritime Law	Core	2	0	1	0	3
8.	TON 212	Mathematics	Fundamental	2	0	2	0	4
9.	TON 213	Fundamentals of Maritime English	Fundamental	2	0	2	0	4
Subtotal				**31**	**0**	**9**	**0**	**40**
Total hrs per week			**40**					

4.4.1.2 Master on Ships less than 500GT

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/3 of the STCW Convention for the function of Navigation at the Operational level, Cargo handling and stowage at the Operational level and controlling the operation of the ship and care for persons on board at the Operational level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TON 208	Business and Law	Core	6	0	0	1	7
2.	TON 209	Ship Stability	Core	6	0	0	2	9
3.	TON 210	Compasses	Core	5	0	1	0	6
4.	TON 211	Information Technology	Fundamental	4	0	2	1	5
5.	TON 214	Trigonometry and Coordinate Geometry	Fundamental	6	0	0	1	7
6.	TON 215	Maritime English	Fundamental	4	0	0	2	6
Subtotal				**21**	**0**	**2**	**7**	**40**
Total hrs per week				**40**				

4.4.1.3 Officer in Charge of a Navigational Watch on Ships 500GT or more

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-II/1 of the STCW Convention for the function of Navigation at the operational level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the operational level

Module Arrangement

Semester 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TO 2101	Coastal Navigation	Core	4	2	2	0	8
2.	TO 2102	Meteorology	Core	4	1	2	0	7

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
3.	TO 2103	Watchkeeping	Core	4	2	0	0	6
4.	TO 2104	Signalling	Core	2	0	1	0	3
5.	TO 2105	Ship Construction	Core	3	0	0	1	4
6.	TO 2106	Mathematics	Fundamental	4	0	0	2	6
7.	TO 2107	Applied Science	Fundamental	4	0	0	2	6
Subtotal				**25**	**5**	**5**	**5**	**40**
Total hrs per week			**40**					

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TO 2108	Ocean and Offshore Navigation	Core	6	0	0	2	8
2.	TO 2109	Electronic Navigation Systems	Core	4	0	2	0	6
3.	TO 2110	Operational Safety	Core	6	0	0	2	8
4.	TO 2111	Radar Navigation and Plotting	Core	2	0	2	0	4
5.	TO 2112	Maritime Law	Core	3	0	0	1	4
6.	TO 2113	Principles of Navigation	Core	4	2	0	0	6
7.	TO 2114	Maritime English	Fundamental	2	2	0	0	4
Subtotal				**27**	**4**	**4**	**5**	**40**
Total hrs per week			**40**					

4.4.1.4 Master and Chief Mate on Ships between 500GT and 3000GT

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/2 of the STCW Convention for the function of Navigation at the management level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the management level.

Module Arrangement

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 101	Navigation	Core	4	0	0	0	4
2.	TM 102	Navigation Instrumentation	Core	3	0	2	0	5
3.	TM 103	Watchkeeping	Core	3	0	0	2	5
4.	TM 104	Meteorology	Core	2	2	0	0	4
5.	TM 105	Engineering and control systems	Core	2	0	2	0	4
6.	TM 106	Ship Construction and Stability	Core	4	0	1	1	6
7.	TM 207	Business and Law	Core	4	0	0	0	4
8.	TM 208	Information Technology	Fundamental	2	0	2	0	4
9.	TM 209	Communication Skills	Fundamental	2	0	2	0	4
Subtotal				**26**	**2**	**9**	**3**	**40**
Total hrs per week				**40**				

4.4.1.5 Master and Chief Mate

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-ll/2 of the STCW Convention for the function of Navigation at the management level, Cargo handling and stowage at the management level and controlling the operation of the ship and care for persons on board at the management level.

Module Arrangement

Semester 1

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 1101	Navigation	Core	5	0	2	0	7
2.	TM 1102	Navigation Instrumentation	Core	4	2	0	0	6
3.	TM 1103	Watchkeeping	Core	5	1	2	1	9
4.	TM 1104	Meteorology	Core	5	0	0	0	5
5.	TM 1105	Engineering and control systems	Core	4	1	0	0	5
6.	TM 1106	Shipboard Operations	Core	7	1	0	0	8
Subtotal				**30**	**5**	**4**	**1**	**40**
Total hrs per week				**40**				

Semester 2

	Code	Module Title	Class	Scheme of Study Hrs/ Week				Total Hrs
				L	T	P	AS	
1.	TM 1207	Ship Construction and Stability	Core	6	0	0	3	9
2.	TM 1208	Business and Law	Fundamental	4	0	0	2	6
3.	TM 1209	Operation Management of Maritime Organizations	Fundamental	4	2	0	0	6
4.	TM 1210	Information Technology	Fundamental	2	0	2	0	4
5.	TM 1211	Shipping Economics	Core	4	0	0	0	4
6.	TM 1212	Electronic Navigation Systems	Core	3	1	2	0	6
7.	TM 1213	Communication Skills	Fundamental	4	0	0	0	5
Subtotal				**27**	**3**	**5**	**5**	**40**
Total hrs per week			**40**					

4.4.1.6 Marine Engineering Department

4.4.1.7 Officer in Charge of an Engineering Watch on Ships less than 750kW

Aim of the Programme

This programme aims to meet the minimum requirements for knowledge, understanding and proficiency that is appropriate for officer in charge of an engineering watch less than 750 kW extracted from Table A-Ill/1 of STCW for the function Marine Engineering at the Operational Level, for the function Electrical, Electronic and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 201	Mathematics	2	0	1	0	3
2.	EO 202	English	2	0	0	0	2
3.	EO 203	Mechanics	2	0	1	0	3

4.	EO 204	Thermodynamics	2	0	0	0	2
5.	EO 205	Engineering Drawing	2	0	0	0	2
6.	EO 206	Workshop Practice	2	0	0	4	6
7.	EO 207	Diesel Engine	2	0	0	1	3
8.	EO 208	Instrumentation and Control	2	0	0	0	3
9.	EO 209	Marine Engineering Practice	2	0	0	3	5
10.	EO 210	Electro-technology	2	0	1	2	5
11.	EO 211	General Engineering Knowledge	4	0	2	0	6
	Subtotal		**24**	**0**	**5**	**10**	**40**
	Total hrs per week		**40**				

4.4.1.8 Electro-Technical Officer

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/6 of STCW for the function Electrical, Electronic and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EOE 2101	Mathematics	5			2	7
2.	EOE 2102	Maritime English	3			2	5
3.	EOE 2103	Applied Science	4			1	5
4.	EOE 2104	Electro-technology	4		9	2	15
5.	EOE 2105	Computer Application and Networking	4		4	2	8
	Subtotal		**20**		**13**	**9**	**42**
	Total hrs per week		**42**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EOE 2206	Maritime Management	2	0	0	1	3
2.	EOE 2207	Instrumentation and Control	3	0	3	1	7
3.	EOE 2208	Maritime Law	2	0	0	1	3
4.	EOE 2209	Electronics	2	0	2	0	4
5.	EOE 2210	Shipboard Machinery	4	0	5	2	11
6.	EOE 2211	Maintenance of Electrical and Electronic Equipment	7	0	10	2	19

	Subtotal	**19**		**21**	**7**	**48**
	Total hrs per week	**48**				

4.4.1.9 Officer in Charge of an Engineering Watch

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/1 of STCW for the function of Marine Engineering at the Operational Level, for the function of Electrical, Electronics and Control Engineering at the Operational Level, for the function Maintenance and Repair at the Operational Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Operational Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 2101	Mathematics	2	1	0	1	4
2.	EO 2102	Maritime English	2	1	0	1	4
3.	EO 2103	Applied Science	2	1	0	1	4
4.	EO 2104	Thermo Refrigeration and Air Conditioning	2	0	2	0	4
5.	EO 2105	Electro technology 1	4		4	1	9
6.	EO 2106	General Engineering Knowledge 1	6	1	4	1	12
7.	EO 2107	Engineering Drawing	2	0	2	0	4
8.	EO 2108	Naval Architecture	2	0	2	0	4
9.	EO 2109	Ship Construction	3	0	0	1	4
	Subtotal		**25**	**4**	**14**	**6**	**48**
	Total hrs per week		**48**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EO 2210	Workshop Technology and Practice	2	2	6	2	8
2.	EO 2211	Motor Engineering Knowledge	4	1	2	1	6
3.	EO 2212	Engine room Watchkeeping	2	0	2	0	4
4.	EO 2213	Instrumentation and Control	2		2	1	4
5.	EO 2214	Maintenance of Marine Machinery	4	0	3	1	8
6.	EO 2215	Electro-technology 2	4	2	4	1	8
7.	EO 2216	General Engineering Knowledge 2	4	0	2	0	6
8.	EO 2217	Maritime Law	4	0	0	0	4

9.	EO 2218	Maritime Management	4	0	0	0	4
	Subtotal		**30**	**5**	**21**	**6**	**52**
	Total hrs per week		**52**				

4.4.1.10 Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/2 of STCW for the function Marine Engineering at the Management Level, for the function Electrical, Electronic and Control Engineering at the Management Level, for the function Maintenance and Repair at the Management Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.

Module Arrangement

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 101	Applied Heat	2	0	0	0	2
2.	EM 102	Applied Mechanics	2	0	0	0	2
3.	EM 103	Information Technology	2	0	0	0	2
4.	EM 104	Marine Engineering Knowledge	3	0	0	1	4
5.	EM 105	Naval Architecture	1	0	0	0	1
6.	EM 106	Ship Construction	1	0	0	0	1
7.	EM 107	Automation and Control	2	0	0	1	3
8.	EM 108	Shipping Economics	2	0	0	0	2
9.	EM 109	Maritime Law	2	0	0	0	2
10.	EM 110	Electrical Machines	2	0	2	0	4
11.	EM 111	Maintenance Management	2	0	1	0	3
12.	EM 112	Marine Diesel Engine	2	0	1	1	4
13.	EM 113	Maritime Management	2	0	0	0	2
	Subtotal		**25**	**0**	**4**	**3**	**32**
	Total hrs per week		**32**				

4.4.1.11 Chief Engineer Officer and Second Engineer Officer

Aim of the Programme

This programme aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Table A-Ill/2 of STCW for the function Marine Engineering at the Management Level, for the function Electrical, Electronic and Control Engineering at the Management Level, for the function Maintenance and Repair at the Management Level and the background knowledge to support Controlling the Operation of the Ship and Care for Persons on Board at the Management Level.

Module Arrangement

Semester 1

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 1101	Applied Heat	2	1	0	1	4
2.	EM 1102	Applied Mechanics	2	0	0	1	3
3.	EM 1103	Information Technology	1	0	2	1	4
4.	EM 1104	Marine Engineering Knowledge	6	0	5	1	12
5.	EM 1105	Naval Architecture	2	1	0	1	4
6.	EM 1106	Ship Construction	2	0	0	1	3
7.	EM 1107	Automation and Control	4	0	2	1	7
	Subtotal		**19**	**2**	**9**	**7**	**37**
	Total hrs per week		**37**				

Semester 2

S/N	Module Code	Module Title	Scheme of Study Hrs/Week				Total Hrs
			L	T	P	AS	
1.	EM 1208	Shipping Economics	2	0	0	1	3
2.	EM 1209	Business and Maritime Law	2	1	0	1	4
3.	EM 1210	Electrical Machines and Electronics	6	0	7	1	14
4.	EM 1211	Maintenance Management	4	0	1	1	6
5.	EM 1212	Marine Diesel Engine	4	0	2	1	7
6.	EM 1213	Maritime Management	2	0	0	1	3
	Subtotal		**20**	**1**	**10**	**6**	**37**
	Total hrs per week		**37**				

CHAPTER 5: RULES AND REGULATIONS

The rules and regulations have been briefly presented in this prospectus as extracts from DMI Academic Guidelines, Procedures and Rules. They are intended to give a quick review on DMI routine activities.

5.1 Primacy of Examination Regulations and Rules

The examination regulations and rules take precedence over any other rules, including those of external or professional bodies, unless variation is specifically permitted.

5.2 Examinations Regulations and Rules

5.2.1 Special Arrangements

i. A student who, on account of physical disability or other handicap, are unable to sit for an examination at the place appointed may apply to the Principal or his/her delegate for special arrangements to be made.

ii. A student, who for a legitimate reason has to be absent from the Institute on the day set for an examination may apply in writing, including documentary evidence, to the Principal or his/her delegate to sit in another venue.

iii. If the Principal or his/her delegate is unable to arrange for suitable supervision or a suitable venue such a student shall sit for a special examination as provided in Section 5.1 of these Rules.

5.2.2 Special Examinations

i. Special examinations may be granted if the Principal is satisfied that a student was unable to sit for an examination on its due date due to medical reasons and death of close relative (parent/guardian, husband, wife, child).

NB: *The student who fails to pay his/her tuition fee will not be granted to sit for special examination.*

ii. A student allowed to sit for a special examination shall be deemed to be attempting the examination for the first time and shall be accorded all the privileges for these guidelines. The student who fails special examinations shall carry over/retake the module.

iii. Application for special examination will be done two weeks before final examination session commencement.

5.2.3 Supplementary Examinations

i. A student may, under such conditions as may be prescribed by the Academic Committee from time to time, be permitted to undertake a supplementary examination in a module, or modules, provided that his/her GPA is at least 2.0 for Diploma and undergraduate and at least 2.5 for Postgraduate.

ii. A student of NTA level 7 who sits for a supplementary examination and fail will carry over the module and continue to the next year provided that the candidate attains a GPA of at least 2.0 and passes at

least 50% of the total credits. This will not apply for a student in the exit year of NTA Level 7. The student failing the carry over examination modules shall retake the module(s).

iii. Where a student has passed by virtue of supplementary examination module his/her grade will be recorded as a pass "C".

iv. Course work shall not be taken into account in assessing supplementary examinations.

v. Supplementary examinations will normally be held in every semester.

vi. A student who absents from an examination without compelling reasons shall be discontinued from the Institute.

5.2.4 Guidelines and Procedures for Carry overs/Retake

i. **Who carry over/retakes a Course?**

Carryover refers to a situation whereby a student fails to attain a minimum coursework score or a student fails supplementary examination of the respective module(s).

Retake module(s) refers to a situation whereby:

- A student who sat for supplementary examinations fails to attain the pass marks assigned for the programme; or
- A situation where a student fails three (3) module(s) in a particular semester; or
- A situation where a student at the exit point fails to attain a minimum coursework score; or
- The student failing the carry over examination modules shall retake the module(s).

ii. **Retaking/Carry Over a Module**

a. A candidate in NTA level 4, 5, and NTA level 7(Last year of level 7) to be promoted to the next level of award, shall be required to pass all prescribed modules for the semester. Therefore, in order to clear those modules a candidate shall retake that module(s) within the 12 months of the following academic year. Furthermore the student should pay the fees as per cost per module formula

b. A student in NTA Level 9 programme shall be allowed to carry-over modules failed during supplementary examinations provided that his/her overall GPA is not less than 2.8. The carry-over module shall be cleared within the 12 months of the next academic year.

c. A student in NTA level 7(Not Last year of level 7) who has a module to carryover and this module falls beyond the set normal semester load for their academic programmes shall pay tuition fees for the Module(s) to be retaken and administrative cost. Besides, such student also pays the fees as per cost per module formula.

d. A student who fails to carryover/retake module(s) without

compelling reasons shall be discontinued from the Institute.

Tuition Fee Payment formula for Re-taking and Carrying Over modules

(a) Carryover module

$$Cost\ per\ Carry\ Over\ Module = \frac{Credits\ of\ Module\ to\ carry\ over}{Total\ Credits} \times Tuition\ Fee$$

(b) Retake module

$$Cost\ per\ Retake\ Module = \left(\frac{Credits\ of\ Module\ to\ Retake}{Total\ Credits} \times Tuition\ Fee\right) + Administrative\ Costs$$

Whereby,

Tuition Fee means the semester tuition fee to be paid by the retaking/carrying-over student in that particular semester

Total credit means total semester credits of the particular semester

Credit of the module means the number of module credits the student registers to retake/carry-over.

i. **Procedures for Carry overs/retakes**

While retaking a Course or Courses, a student shall:

a. Attend all the prescribed lectures/ tutorials/ Practical/ Fieldwork in the Module(s); satisfy all the requirements for the Coursework Component in the Module(s); and sit for the semester Examinations in the Module(s).

b. A student shall retake the failed module(s) if he/she has accumulated three (3) carry over modules in a particular semester.

c. A student shall be discontinued if he/she has accumulated more than three (3) carry over modules in a particular semester.

d. A student who fails the supplementary examination of the carry over module(s) shall retake that module.

e. A student shall be discontinued if he/she failed the retaking module(s)

- A candidate who has been discontinued on academic grounds shall not be readmitted in the same programme until after two years.
- A student who had been discontinued on academic grounds shall not be allowed to transfer his/her credits but one wishing to continue with Institution education in a different programme or institution can do so provided that he/she registers in the next study cycle.

f. A student in NTA level 7(Not Last year of level 7) is required to register for carryover module(s) first before registering for new modules offered in that semester.

g. When a student has re-taken a course the Grades obtained in that module(s) shall be used in the computation of his/her cumulative Grade Point Average (CGPA).
h. Whenever a Course has been retaken, the Academic Transcript shall indicate so accordingly.

ii. **Procedure to register for re-taking/Carrying Over Module(s)**

a. A student registering for re-taking or carrying- over module(s) is required to pay the fees as it is stipulated in the formula in 5.2.4 (ii).
b. After payment a student is required to register into students' database in the respective class and module(s).
c. The carry-over/retake module shall be studied and assessed as a fresh module.
d. The re-taking/ carryover student should attend all the class sessions including assignments, tests, and final examinations.

5.2.5 Examination Irregularities

a. The Invigilator shall immediately report in writing any detected examination irregularity occurred during the examination session to the supervisor. The supervisor will report the irregularity (ies) in writing to the Registrar who submits report to DP/ARC for further action according to the established guidelines and rules.
b. The Invigilator should not expel students from examination rooms after noticing examination irregularity. The invigilator should allow the student to continue with his/her examination. However, his/her results will be withheld until the Academic Council has decided on the issue.
c. Any candidate who shall be proven to have brought/used unauthorized material in the examination room in any part of the examination process shall have committed examination irregularities. Unauthorized materials such as written or printed materials, purses, electronic equipment including cell-phones, pagers and any other device (other than an approved device) capable of storing text or restricted information etc. shall not be allowed into the examination premises.
d. Candidates shall not engage themselves in any form of communication in the examination room when the examination is in progress. There shall be no borrowing or exchanging of materials such as calculators, rulers and pens among candidates during examinations.
e. Any candidate who shall be proven to have committed examination irregularities, including being involved in plagiarism and impersonation in any part of the examination shall be discontinued from studies subject to confirmation by the Council.
f. The decision of the Academic Council on matters concerning examinations is final.

5.2.6 Examination of Project and Dissertation /Thesis

a. A student shall not present any work as a research **project or dissertation /thesis** report for the diploma or higher diploma or bachelor degree or Postgraduate which has been accepted for any award in the Institute or elsewhere.
b. Each student shall submit **project or dissertation /thesis** report in accordance with such guidelines as may be determined from time to time to the Head of Department a project report or dissertation/thesis in partial fulfilment of the diploma or higher diploma or bachelor degree or Postgraduate requirements.
c. **Project or dissertation /thesis** report shall be examined by supervisor and assessed by person other than a supervisor who shall mark and give a numerical value according to what is stipulated in the DMI research **project or dissertation /thesis guidelines.**
d. Each supervisor shall follow the assessment provided in the curriculum and Academic Guidelines, Procedures and Rules). The supervisor in regard of student' performance shall award marks.
e. Upon rejecting the supervisor a student shall submit to the Head of Department a reasoned statement as to why any specified person should not be appointed supervisor of his/her project.
f. All final **project or dissertation /thesis** report shall be marked and be submitted to Research, Consultancy and Publication Unit.

5.3 Conduct of Examinations

a. Student should show identification card issued by the Institute to the invigilator as evidence.
b. Any person, other than a student, an invigilator, supervisor or other authorized person may not enter an examination room.
c. Students shall assemble outside the examination room 20 minutes before the published commencement time;
d. Students shall not enter the examination room until instructed to do so by the Invigilator which normally is 15 minutes before the published commencement time;
e. No student shall be allowed to terminate his/her examination during the first 30 minutes after commencement time and within the final 30 minutes of examination time;
f. A late student may be admitted to the examination within 30 minutes after the commencement time but not thereafter.
g. No student shall:
    i. Leave the examination room without permission from the invigilator and without giving up the papers upon which he/she has been engaged.
    ii. Any student who fails to comply with the provisions in g. (i) above shall be regarded as having failed the examination.
h. A student shall not, except with the explicit permission of the Invigilator as indicated in the examination paper, bring into the examination room any material whatsoever which conveys or is capable of conveying information concerning any module.

i. A student having entered the examination room shall not communicate with any person other than the invigilator.
j. A student shall comply with all written instructions regarding an examination.
k. A student shall not cheat or attempt to cheat during an examination, or attempt to do anything intended to assist another student to cheat.
l. A student shall not remove from the examination room any worked scripts or notes, or any material which is the property of the Institute. All papers for a particular examination shall be provided on the examination day. The student should not take used and unused question paper, answer booklet and any attachments provided during examination.

5.4 Registration for Modules

a. A student shall register in their respective Departments for the programme during the orientation week while the continuing students will register for modules for the subsequent semesters of the first two weeks after commencement of semester.
b. Elective modules shall be registered at the Department offering the programme. A student shall be allowed to add or drop elective module(s) within the first two weeks of the semester.
c. A student shall be examined in all modules registered for.
d. For an elective module to be offered, the minimum number of students shall be five.

5.5 Absence from Examination

a. A student who absents from an examination without compelling reasons shall be discontinued from the Institute.
b. A student who was absent during the end of semester examinations and provided reasons for postponement and permission granted by the Principal. The maximum duration for postponement of studies shall be two semesters.

5.6 Dates and Duration of Examinations

i. Examinations timetable shall be published by Examinations Office in the 13th week of the semester.
ii. Duration for examinations shall be two hours for NTA Level 4, two and half hours for NTA Level 5-6 and three hours for NTA Level 7 - 9.

5.7 Provisional results publication

a. The provisional examination results shall be published by the Departments soon after the Departmental meeting. The results shall be provisional for two weeks and students must settle all complaints during that time. The Departments after handling students' complaints shall present the provisional results before the Academic Committee meeting for discussion and deliberation. The provisional examinations results shall be presented before the Academic Council Meeting for Discussion, deliberation and Approval
b. Examination results shall be published as final results immediately after

the approval of the Academic Council and no more changes shall be allowed.

Progress from Year to Year (Semester to Semester)

a. A student for shall be allowed to proceed to the next level after passing all the examinations for the year.
b. A student in NTA Level 4-8 getting an overall GPA less than 1.8 shall be discontinued from studies. A student in NTA Level 9 programme by coursework and dissertation, getting overall GPA less than 2.5 shall be discontinued from studies.

c. A Student attaining a GPA greater than or equal to 1.8 and greater than or equal to 2.5 for NTA Level 4-8 and NTA Level 9 respectively to be allowed to sit for supplementary examinations. After supplementary the GPAs of 2.0 and 3.0 must be attained for NTA Level 4-8 and NTA Level 9, respectively.
A student in NTA Level 4-8 attaining a GPA less than 2.0 and NTA Level 9 attaining a GPA less than 3.0 after supplementary examinations shall be discontinued from studies.
d. A student failing in a supplementary examination shall be required to carry over the respective module next academic year. Provided that the candidate attains a GPA of at least 2.0 and 3.0 for NTA Level 4-8 and NTA Level 9 respectively.
e. The highest grade for NTA levels 4-8 supplementary examinations shall be the lowest pass mark of "**C**" and "B" for NTA Level 9.
f. Supplementary shall be conducted in September of each academic year and shall be notified by the Examination unit.

5.8 Postponement of Studies

a. Permission for postponement of studies will be granted by the Principal in consultation with the sponsor, Dean of students and head of respective department.
b. A students requesting for postponement must be registered or enrolled in a given program and attended a minimum of one semester.
c. The maximum duration for postponement of studies shall be two semesters.

5.9 Procedure for Calculating Grade Point Average (GPA)

In calculating the GPA, credits for all core and fundamental programmes shall be used as well as credits from electives making the minimum required credits for the particular NTA programme. When a student takes elective modules more than minimum required, the excess modules shall not be used in calculating GPA.

5.10 Replacement of Lost Academic Certificates

The Institute may issue another copy in case of loss of the original certificate on condition that:-

(a) The applicant produces a sworn affidavit;
(b) The certificate so issued shall be marked "COPY", across it;
(c) The replacement certificate shall not be issued until 12 months after reporting the loss to the Institute;
(d) The applicant must produce evidence that the loss has been gazetted in the past 90 days and a written loss report from the Police;
(e) A fee prescribed by the Institute at the beginning of the academic year shall be charged, for the copy of the certificate issued.

5.11 Issue of Academic Transcript

The Institute may issue transcripts at a cost prescribed at the beginning of the academic year.
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5.12 Weighing of Individual Assessment

Weighting of individual assignments within the assessment component shall reflect the relative difference in their importance or level of difficulty.

i) Weighing of Assessment Components
The weighing of assessment components for programmes that contribute credits towards the awards are as follows:

a. For NTA Level 4-8

Semester Examination Component:	40%
Continuous Assessment Component:	60%

b. For Postgraduate Programmes (Course Work)

Semester Examination Component:	60%
Continuous Assessment Component:	40%

ii) For each of the assessment components under (i) above, the weight given to the practical examination or practical continuous assessment component, where applicable, shall be proportional to the weight assigned to the practical element in the module being assessed.
iii) For NTA level 7-8, a student shall be required to obtain at least 1/2 of the continuous assessment to sit for semester examination of the respective module.
iv) For NTA level 4-6, a student shall be required to obtain at least 2/3 of the continuous assessment to sit for semester examination of the respective module.
v) At least 10% of the semester examination of the respective module must be obtained.
vi) A student who absents from any continuous assessment test or fails to submit assignment(s) given during the programme work without compelling reasons shall be a zero mark.

5.13 Responsibilities of Students

(a) General Responsibilities

It is the responsibility of students to comply with the programme and module requirements for attendance and for completion of assessment.

(b) Particular Responsibilities

Students should note these responsibilities in particular:

i. Student's attendance should not be less than 80% of the total module hours.
ii. Ensure that they are aware of examination dates and programme work submission dates; and
iii. Attend examinations and submit work for assessments as required.

5.14 Penalties for Late Submission of Assignments

Students who fail to submit assignments by the prescribed date without good cause shall be penalized as given below:

i. 1 to 9 days late: 5% of the possible total mark will be deducted from the mark achieved by the student for every day on which the work remains submitted.
ii. 10 days late or more: a mark of zero will be recorded. In this guideline, "Days" include weekdays

5.15 Discontinuation

a) Any student who will be found to have cheated in any part of the examination shall be deemed to have failed in that examination for that semester and shall be discontinued from the studies, subject to confirmation by the Academic Council.

5.16 Examination Eligibility

a) A student presenting him/herself for written examinations must have complied fully with the Institute and Programme requirements regarding eligibility, including payment of fees.
b) A student presenting himself for written examinations shall have his/her Identity Card checked before the examination commencement.
c) A student not in possession of Students Identity Card will not be allowed to sit for examinations.
d) A student who fails to meet a minimum of 80% attendance shall be allowed to repeat a semester/year if he/she was absent on acceptable grounds. In the case of unacceptable grounds he/she shall be discontinued from the programme.
e) Where non-attendance is due to reasons beyond the control of the student e.g. illness, the Principal may waive the minimum attendance requirement, if the student requests so. However, after the examination results no appeal shall be entertained on this ground.
f) For NTA level 7-8, a student shall be required to obtain at least 1/2 of the continuous assessment to sit for examination of the respective module.
g) For NTA level 4-6, a student shall be required to obtain at least 2/3 of the continuous assessment to sit for examination of the respective module.

5.17 Appeal

a) A student may appeal to the Principal for his examination script to be re-marked after paying appeal fee. The appeal fee will be prescribed at the beginning of academic year. If the appeal is successful, the student will be refunded his/her appeal fee.
b) Except where unfair marking or other academic irregularity in the conduct of the examination is alleged, no appeal shall lie in respect of any other grounds.
c) No appeal shall be entertained after a lapse of 14 days from the date of publication of the provisional examination results.

5.18 Medical Examination

A student's offer of place in this Institute is subject to his/her being proved medically fit. Student is therefore required to arrange to be medically examined by a registered medical practitioner and forward the certificate of medical fitness to the registrar's office. The student is responsible for any medical examination fees and other expenses related thereto.

5.19 Immigration Formalities

Every foreign student is required to obtain a valid passport and other relevant documents as appropriate before she/he leaves for Tanzania. The Institute will assist registered students with valid travel documents to obtain study permits from the Director of Immigration Services.

5.20 Accommodation

The Institute does not provide accommodation facilities to students. However the Institute can provide advice or assist students in finding appropriate accommodation in the city. Accommodation costs will be borne by the students themselves.

5.21 Transport

Travel and transit subsistence allowance shall be paid by the student him/herself. The Institute does not pay for the students' transport expenses to and from the Institute. Also the Institute does not pay for the students' transport to and from Industrial Training site.

5.22 Fees

Fees are payable in advance. Students will not be admitted unless their fees have been paid at the beginning of the academic year. Fees once paid are not refundable. An invoice for the required fees may be obtained from the Institute on request.

5.23 Property

The Institute does not accept responsibility for any loss or damage to any student's property that may occur. Students are therefore, advised to take care of their valuable items and not to leave any of their valuables in classrooms. They are further advised to clearly mark their personal effects including books.

5.24 Students Organization

The Dar es Salaam Maritime Institute Students Organization (DAMISO) is the officially recognized organization representing all students at the Institute. The objectives of the organization are:

- To provide social, recreational and cultural coordination;
- To voice the collective wishes of its members (students);
- To negotiate with various authorities; and
- To promote the educational welfare and interest of its members.

The organization is headed by an elected president whose term of office is normally one academic year. The official address for each student at the Institute shall be that of the Institute.

5.25 Facilities at DMI

The Institute has classrooms, resource learning centre, engineering workshop, computer laboratories, Electro lab, full mission engine room simulator and full mission bridge simulator, Full Mission Crane Simulator, Live Radar, Life Raft Station, DMS Engine Room Simulator, Fire Station, GMDSS laboratory, two standby generators, seamanship workshop, training vessel and lifeboats.

5.26 Dressing code

The students should wear uniform according to their particular academic departments and professional ranks as follows:

(i) Science and Management Department

- Required to wear black trouser/skirt with light blue shirt.

(ii) Marine Engineering Department

- Required to wear Black trouser/skirt with cadetship shirt (major shirt)
- Professional courses (CoC) required to wear Black trouser/skirt with white major shirt with "bar" according to his/her professional rank

(iii) Maritime Transport Department

- Required to wear Dark Blue trouser/skirt with cadetship shirt (major shirt)
- Professional courses (CoC) required to wear Dark Blue trouser/skirt with white major Shirt with "bar" according to his/her professional rank.

The prescribed uniform will be worn on MONDAY, WEDNESDAY, FRIDAY and other official occasions as will be instructed by Dar es Salaam Maritime

5.26 Medical Services

The Institute does not provide medical services at its campus. However, students are strongly advised to have health insurance. It is mandatory to be covered by National Health Insurance Fund (NHIF) by creating control number from student's OSIM Account ready for paying the card and the process of payment should be done not later than one month after the commencement of the first semester of each academic year.

5.27 Discipline

All students admitted to this Institute are supposed to observe the Institute rules. Students who register for programmes conducted by the Institute shall abide with all lawful orders given by the Principal or any other officer to whom such power has been vested. Failure to observe or comply with lawful orders on the part of the student may lead him or her to disciplinary proceedings or summary dismissal.

5.28 Sponsorship

It is highly recommended that students have sponsors who will pay for their fees and living cost. However students who, will pay for their own fees will be allowed to do so. Students who will receive sponsorship of the Government of the United Republic of Tanzania will be required to adhere to the Government's sponsorship policy. The Institute does not offer sponsorship or financial assistance of any kind. It is the responsibility of the student to seek a sponsor who will pay for the Institute fees and allowance.

5.29 Institute Rules

5.29.1 All students are required to conduct themselves in a sensible manner and with decorum. Undisciplined students may be suspended or required to withdraw from the programme of study.

5.29.2 Drunkenness within the Institute compound is strictly prohibited. Any student found drunk and if his/her drunken behaviour is likely to cause disturbance of peace, drastic disciplinary action will be taken which may include expulsion.

5.29.3 Attendance and punctuality to classes are highly demanded by the Institute administration. A student who arrives more than fifteen (15) minutes late will be marked "absent." An official (written) explanation may be required for being late.

5.29.4 During the training period students are required to observe and maintain the laws of the country. Students who commit offenses will be taken care of by law enforcing instruments and the Institute

administration will not be bound to bail the culprits out of lawful custody.

5.29.5 Students are not allowed to use the Institute office telephones or Making telephone calls/texting/charting using his/her mobile while classes are in session is strictly prohibited.

5.29.6 Students are at all times required to appear smart and in decent manner and accepted dress code. Indecent dresses, wear of sandals (Kanda mbili), caps, and sunglasses are prohibited (refer students by law PART III article 15(a-t).

5.29.7 Government property must be taken care of. Loss or damages to public property belonging to DMI is recoverable at replacement cost.

5.29.8 Students wishing to proceed home to attend urgent family affairs will be required to seek written permission from his/her respective Head of Department/Dean of Students.

5.29.9 Taking meals, fruits, sodas or any types of food in classrooms except drinking water are strictly prohibited.

5.29.10 The Institute's security guards are the enforcers of some of the rules and must therefore be obeyed.

5.29.11 It is prohibited to move any Institute furniture from its assigned locations.

5.30 Students' General Discipline conduct

5.30.1 All students shall obey lawful orders at all times in their actions and pronouncements.

5.30.2 Students have a duty to conduct themselves with due regard for the Institute's objectives thus, uphold its good name and reputation.

5.30.3 Therefore, every student shall act in a respectful manner towards all fellow students, staff, as well as members of the public; regardless of race, gender, religious belief, language or disablement.

5.31 General Code of Conduct

5.31.1 Students' grievances shall be addressed through proper channels i.e. Students government and Institute Management. Students' Government leaders have direct access to DP/ARC, DP/PFA and the Principal.

5.31.2 Smoking is prohibited in the Institute's premises.

5.31.3 Every student of this Institute shall abide to all relevant laws of this country.

5.31.4 Firearms, explosives or other dangerous weapons shall not be brought in the premises of the Institute except by express permission of the Institute Management.

5.31.5 Any change of name shall not be allowed at any time during one's studentship at the Institute. A name once registered cannot be changed during the whole period of study (every student is supposed to have sorted out any problems with their names before registration with the Institute).

5.32 Academic Conduct

5.32.1 Students sitting for an examination or test shall comply with the instruction of the invigilator/supervisor.

5.32.2 Students must show their respective identity card at any time when required by an authorized officer of the Institute. No student shall sit for examination or test without displaying his/her identity cards.

5.32.3 Students must complete all the programme work as given, short of that one does not qualify to sit for semester examinations. All work shall be presented to the respective lecturer within schedule otherwise one must provide evidence of the good reason(s) as to why did not present his/her work.

5.32.4 Any student intending to travel outside Dar es Salaam region during the semester must seek permission from the Institute Authority.

5.32.5 All students shall hang at their neck their Identity cards while on the Institute premises and on training missions outside the Institute.

5.32.6 A student must be punctual for all class sessions.

5.32.7 A student must attend every session of the programme unless they have obtained permission from the Lecturer of the relevant module, Head of relevant department or the DP/ARC.

5.32.8 All students shall abide by all the Institute's rules and guidelines, short of that disciplinary action shall be taken by the Institute.

5.33 Industrial Training Conduct

During industrial training students are bound by the student's code of conduct and by the rules of conduct of the place of training. Industrial training shall be attended one hundred per cent attendance and shall be at a place allocated by the Institute.

CHAPTER 6: PAYMENT OF FEES AND STUDY CONDITIONS

6.1 Fee Payments

The fees per academic year/programme should be paid in full for a student to study the respective programme. A student must pay the required fees in full or by two instalments before commencement of any semester. Other fees (administrative) are paid once per full course duration at the commencement of any academic programme.

Fees shall be payable to DAR ES SALAAM MARITIME INSTITUTE through control number generated from the system.

6.2 Bank pay- slip should be submitted at DMI indicating:

- Candidate' full name(as it appears in application form)
- Purpose of deposit (e.g. Registration fee, tuition fee etc.)
- Foreign students should pay in US dollars

The fees may be revised at any time without notice. (As ANNEX 1)

Tuition **Fee Structure for NTA Levels 4 & 5 for Academic year 2024/2025 (Per student per year)**

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (USD)	Non-East Africans (USD)
1.	Maritime and Transport	Basic Technician Certificate in Marine Operations (BTCMO)	1	1,430,000	975.00	1,200.00
		Technician Certificate in Marine Transport and Nautical Science (TCMTNS)	1	1,540,000	1,050.00	1,200.00
2.	Marine Engineering	Basic Technician Certificate in Mechanical and Marine Engineering (BTCMME)	1	1,430,000	975.00	1,200.00
		Basic Technician Certificate in Oil and Gas Engineering	1	1,430,000	975.00	1,200.00

		(BTCOGE)				
		Basic Technician Certificate in Naval Architecture and Offshore Engineering (BTCNAOE)	1	1,430,000	975.00	1,200.00
		Basic Technician Certificate in Marine Welding and Fabrication (BTCMWF)	1	1,430,000	975.00	1,200.00
		Technician Certificate in Marine Engineering (TCME)	1	1,540,000	1,050.00	1,680.00
		Technician Certificate in Mechanical and Marine Engineering (TCMME)	1	1,540,000	1,050.00	1,680.00
		Technician Certificate in Oil and Gas Engineering (TCOGE)	1	1,540,000	1,050.00	1,680.00
		Technician Certificate in Naval Architecture and Offshore Engineering TCNAOE)	1	1,540,000	1,050.00	1,680.00
		Technician Certificate in Marine Welding and Fabrication (TCMWF)	1	1,540,000	1,050.00	1,680.00
3.	Science and Management	Basic Technician Certificate in Shipping and Logistics Management (BTCSLM)	1	1,100,000	750.00	1,200.00
		Basic Technician Certificate in Procurement, Logistics and Supply Chain Management (BTCPLSM)	1	1,100,000	750.00	1,200.00
		Basic Technician Certificate in Transport and Supply Chain Management (BTCTSM)	1	1,100,000	750.00	1,200.00
		Basic Technician Certificate in Cargo Tallying and Supply Chain Management (BTCCTSM)	1	1,100,000	750.00	1,200.00
		Technician Certificate in Shipping and Logistics Management	1	1,276,000	870.00	1,392.00

		(TCSLM)				
		Technician Certificate in Procurement, Logistics and Supply Chain Management (TCPLSM)	1	1,276,000	870.00	1,392.00
		Technician Certificate in Transport and Supply Chain Management (TCTSM)	1	1,276,000	870.00	1,392.00

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	FOREIGN (USD)	
			EAST AFRICAN (USD)	NON-EAST AFRICAN (USD)
1.	Registration Fee	45,000	45	45
2.	Examination Fee	70,000	70	70
3.	Student ID	15,000	15	15
4.	DAMISO	10,000	10	10
5.	Graduation (for graduating class)	40,000	25	25

Other Costs Payable Direct to NTA Levels 4 & 5 Student

S/No.	Item	Number of Days per Year	Costs in Tsh.	Costs in USD
1.	Accommodation allowance	252	15,000 /= per Day	15 per Day
2.	Food Allowance		900,000/= per semester	900 per semester
3.	Books and Stationary		350,000/= per Year	350 per Semester
4.	Field Allowance (56 days)		15,000 /= per Day	15 per day
5.	Project work Allowance		100,000/=	100
6.	Sea Service Allowance		700,000/=	700
7.	Health Insurance		50,400	

***Tuition* Fee Structure for NTA Level 6 for Academic year 2024/2025 (Per student per year)**

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (USD)	Non-East Africans (USD)
1.	Maritime and Transport	Ordinary Diploma in Marine Transport and Nautical Science (ODMTNS)	1	1,650,000	1,125.00	1,800.00
2.	Marine Engineering	Ordinary Diploma in Marine Engineering (ODME)	1	1,650,000	1,125.00	1,800.00
		Ordinary Diploma in Oil and Gas Engineering (ODOGE)	1	1,650,000	1,125.00	1,800.00
		Ordinary Diploma in Naval Architecture and Offshore Engineering (ODNAOE)	1	1,650,000	1,125.00	1,800.00
		Ordinary Diploma in Marine Welding and Fabrication (ODMWF)	1	1,650,000	1,125.00	1,800.00
		Ordinary Diploma in Mechanical and Marine Engineering (ODMME)	1	1,650,000	1,125.00	1,800.00
3.	Science and Management	Ordinary Diploma in Shipping and Logistics Management (ODSLM)	1	1,386,000	945.00	1,512.00
		Ordinary Diploma in Transport and Supply Chain Management (ODTSM)	1	1,386,000	945.00	1,512.00

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (USD)	Non-East Africans (USD)
		Ordinary Diploma in Procurement, Logistics and Supply Chain Management (ODPLSM)	1	1,386,000	945.00	1,512.00

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	FOREIGN (USD)	
			EAST AFRICAN (USD)	NON-EAST AFRICAN (USD)
	Registration Fee	45,000	45	45
1.	Examination Fee	70,000	70	70
2.	Student ID	15,000	15	15
3.	DAMISO	10,000	10	10
4.	Graduation (for graduating class)	40,000	25	25

Other Costs Payable Direct to NTA Levels 6 Student

S/No.	Item	Number of Days per Year	Costs in Tsh.	Costs in USD
1.	Accommodation allowance	252	15,000 /= per Day	15 per Day
2.	Food Allowance		900,000/= per semester	900 per semester
3.	Books and Stationary		350,000/= per Year	350 per Semester
4.	Field Allowance (56 days)		15,000 /= per Day	15 per day
5.	Project work Allowance		100,000/=	100

6.	Sea Service Allowance		700,000/=	700
7.	Health Insurance		50,400	

***Fee* Structure for NTA Levels 7 & 8 for Academic year 2024/2025 (Per student per year)**

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (USD)	Non-East Africa (USD)
1.	Maritime and Transport	**Bachelor Degree in:** Maritime Transport and Nautical Science	1	1,540,000	1,050.00	1,680.00
			2	1,540,000	1,050.00	1,680.00
			3	1,540,000	1,050.00	1,680.00
			4	1,606,000	1,095.00	1,752.00
2.	Marine Engineering	**Bachelor Degree in:** • Marine Engineering Technology • Mechanical and Marine Engineering • Naval Architecture and Offshore Engineering • Mechatronics Engineering • Oil and Gas Engineering **These fees apply to all programmes under this department*	1	1,595,000	1,088.00	1,740.00
			2	1,595,000	1,088.00	1,740.00
			3	1,595,000	1,088.00	1,740.00
			4	1,650,000	1,125.00	1,800.00
3.	Science and Management	**Bachelor Degree in:** • Shipping and Logistics Management • Procurement, Logistics and Supply Chain Management	1	1,540,000	1,050.00	1,680.00
			2	1,540,000	1,050.00	1,680.00
			3	1,650,000	1,125.00	1,800.00

		• Transport and Supply Chain Management **These fees apply to all programmes under these department*				

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	FOREIGN (USD)	
			EAST AFRICAN (USD)	NON-EAST AFRICAN (USD)
1.	Registration Fee	45,000	45	45
2.	Examination Fee	70,000	70	70
3.	Student ID	15,000	15	15
4.	DAMISO	10,000	10	10
5.	Graduation (for graduating class)	40,000	25	25

Other Costs Payable Direct to NTA Level 7& 8 Student

S/No.	Item	Number of Days per Year	Costs in Tsh.	Costs in USD
1.	Meals and Accommodation allowance	252	15,000 per Day	15 per Day
2.	Books and Stationary		250,000 per Year	250 per Day
3.	Industrial Training (56 days)		15,000/= per day	15 per day
4.	Special Faculty Requirement		350,000 for year 1 &2	350 for year 1 &2
5.	Project Work Allowance (3rd year or 4th)		2,000,000 year 2	1,000,000/= per year
6.	Health Insurance		50,400	

Tuition Fee Structure for NTA Level 9 for Academic year 2024/2025 (Per student per year)

S/No.	Department	Programmes	Year of Study	Tuition Fees per Year		
				Local (TZ)	East African (USD)	Non-East Africans (USD)
1.	Maritime and Transport	Master Degree in International Trade and Maritime Law (MITML)	1	2,315,000	1,500.00	1,500.00
		Master Degree in Maritime Transport Management and Nautical Science (MMTNS)	2	2,200,000	900.00	900.00
2.	Marine Engineering	Master Degree in Marine Engineering Management (MMEM)	1	2,315,000	1,500.00	1,500.00
			2	2,200,000	900.00	900.00
3.	Science and Management	Master Degree in Shipping Economics and Logistics (MSEL)	1	2,315,000	1,500.00	1,500.00
			2	2,200,000	900.00	900.00
		Master Degree in Transport and Supply Chain Management (MTSM)	1	2,315,000	1,500.00	1,500.00
			2	2,200,000	900.00	900.00

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	FOREIGN (USD)	
			EAST AFRICAN (USD)	NON-EAST AFRICAN (USD)
1.	Registration Fee	45,000	45	45
2.	Examination Fee	70,000	70	70
3.	Student ID	15,000	15	15

4.	DAMISO	10,000	10	10
5.	Graduation (for graduating class)	40,000	25	25
6.	Dissertation	500,000	500	500

Other Costs Payable Direct to Student

S/No.	Item	Number of Days per Year	Costs in Tsh.	Costs in USD
1.	Meals and Accommodation allowance	252	15,000 per Day	15 per Day
2.	Books and Stationary		250,000 per Year	250 per Day
3.	Special Faculty Requirement		350,000 for year 1 &2	350 for year 1 &2
4.	Dissertation		2,000,000 year 2	2,000 for year 2
5.	Health Insurance		50,400	

Tuition Fee Structure for Certificate of Competency for Academic year 2024/2025 (Per student per year)

S/No.	Programmes	Year of Study	Tuition Fees per Year		
			Local (TZ)	East African (USD)	Non-East Africans (USD)
1.	Chief and Second Engineer Officer	1	2,420,000.00	1,650.00	2,640.00
2.	Master and Chief Mate	1	2,420,000.00	1,650.00	2,640.00
3.	Officer in Charge of Engineering Watch	1	2,200,000.00	1,500.00	2,400.00
4.	Master and Chief Mate between 500 & 3000 GT	1	2,079,000.00	1,418.00	2,268.00
5.	Officer in Charge of Navigational Watch	1	2,200,000.00	1,500.00	2,400.00
6.	Master on Ships less than 500GT	1	1,144,000.00	780.00	1,248.00
7.	Officer in Charge of Navigational Watch Near Coastal less than 500 GT	1	935,000.00	638.00	1,020.00
8.	Chief Engineer Officer and Second Engineer Officer on Ships between 750kW and 3000kW	1	849,750.00	579.00	927.00
9.	Officer in Charge of an Engineering Watch on Ships less than 750kW	1	935,000.00	638.00	1,020.00
10.	Electro-Technical Officer	1	1,826,000.00	1,245.00	1,992.00

ADMINISTRATIVE COST (PAYABLE ONCE AT THE BEGINNING OF THE ACADEMIC YEAR)

S/No.	COST ITEM	LOCAL (TZ)	FOREIGN (USD)	
			EAST AFRICAN (USD)	NON-EAST AFRICAN (USD)
1.	Registration Fee	45,000	45	45
2.	Examination Fee	70,000	70	70
3.	Student ID	15,000	15	15
4.	DAMISO	10,000	10	10
5.	Graduation (for graduating class)	40,000	25	25

Other Costs Payable Direct to Certificate of Competency Student

S/No.	Item	Number of Days per Year	Costs in Tsh.	Costs in USD
1.	Meals and Accommodation allowance	252	15,000 per Day	15 per Day
2.	Books and Stationary		250,000 per Year	250 per Day
3.	Special Faculty Requirement		350,000 for year 1 &2	350 for year 1 &2
4.	Health Insurance		50,400	

ACADEMIC ALMANAC FOR 2024/2025 (NTA LEVEL 4-9)

S/N	DATE	EVENT
1.	15th - 18th October, 2024	Registration and Orientation Week for New Students
2.	21st October, 2024	First Semester for new and continuing NTA Level 4-9 students Begins
3.	4th November, 2024	End of students' Registration for the Academic Year 2024/2025
4.	6th November,2024	Transfer window open for NTA Level 7
5.	20th November,2024	Deadline of Transfer window for NTA Level 7
6.	21st November ,2024	Academic Assembly Meeting
7.	21st November ,2024	Submission of students' research progress forms.
8.	02nd –06th December, 2024	Test I
9.	04th December, 2024	Convocation
10.	06th December, 2024	Graduation Ceremony
11.	9th –13th December, 2024	Uploading Test I and Assignment I results of NTA Level 4-8
12.	31st December,2024	Deadline for submission of Students enrolment data 2024/2025
13.	06th -10th January, 2025	Setting of first and third semester examinations for NTA Level 9
14.	06th -10th January, 2025	Test II
15.	10th January, 2025	Submission of students' research progress forms
16.	09th -13th January, 2025	Setting of first semester examinations for NTA Level 4-8
17.	09th -13th January, 2025	Uploading Tests and Assignments results of NTA Level 9
18.	13th-17th January, 2025	Uploading Test II and Assignment II results of NTA Level 4-8
19.	13th-17th January, 2025	Internal Moderation of NTA Level 9 Examinations
20.	13th-17th January, 2025	Internal Moderation of NTA Level 4-9 Examinations
21.	20th January, 2025	Release of 1st Semester Examination Timetable
22.	20th -24th January, 2025	External Moderation of NTA Level 4-9 Examinations
23.	24th January, 2025	Students General Assembly
24.	20th – 31st January, 2025	First Semester Examination session for NTA Level 9
25.	3rd February – 04th April, 2025	Recess for NTA Level 9
26.	3rd -7th February, 2025	Marking and Uploading 1st Semester Examination Results for NTA Level 9
27.	29th – 30th January, 2025	Bachelor Degree Research Proposal Presentation

S/N	DATE	EVENT
28.	03th – 14th February, 2025	First Semester Examination session for NTA Level 4-8
29.	17th February- 04th April, 2025	Recess for NTA Level 4-8
30.	17th -21st February, 2025	Marking and Uploading 1st Semester Examination Results for NTA Level 4-8
31.	24th -26th February, 2025	Departmental meetings to review 1st Semester Examination Results and Publish provisional results for NTA Level 4-9 Examinations
32.	24th February, 2025	Submission of documents and attachments for Proposal Presentation for second year master degree students
33.	28th February 2025	Proposal defense for second year master degree students
34.	3rd - 14th March 2025	Addressing the comments from the panellist
35.	05th March, 2025	Academic Assembly Meeting
36.	11th March, 2025	Academic Committee Meeting
37.	12th -13th March, 2025	1st Semester Examination Results Preparation and Compilation
38.	14th March, 2025	Academic Council meeting
39.	15th March, 2025	Commencement of Data Collection and analysis
40.	17th -21st March, 2025	Special/Supplementary 1st Semester Examinations for NTA level 4-9
41.	24th -28th March, 2025	NTA level 4-9 Marking and Uploading Special/ Supplementary Examination Results for 2024/2025
42.	28th March–12th April,2025	Uploading Semester I Examination Results in the NACTVET Database (2024/2025) and Submission of Hardcopy of the Results to NACTVET
43.	1st April, 2025	Academic Committee Meeting
44.	4th April, 2025	Academic Council meeting
45.	7th April, 2025	Commencement of 2nd semester
46.	15th May 2025	End of Data collection and analysis
47.	16th May – 6th June 2025	Consultation with supervisor and preparation for pre- defense documents and article
48.	19th May 2025	Public lecturer on data analysis and paper writing
49.	19th -23th May, 2025	Test I
50.	26th – 30th May, 2025	Uploading Test I and Assignment I results of NTA Level 4-8

S/N	DATE	EVENT
51.	26th May-14th July, 2025	Opening of Admission cycle for the academic year 2025/2026. (First Round-Diploma and certificate)
52.	11th -13 June 2025	Pre defense of Master degree students
53.	15th -27th June 2025	Working on Pre defense comments
54.	16th -20th June, 2025	Test II
55.	23th -27th June, 2025	Uploading Test II and Assignment II results of NTA Level 4-9
56.	23th -27th June, 2025	Setting of Second semester examinations for NTA Level 4-9
57.	29th June – 11th July 2025	NTA Level 9 Research External Moderation
58.	30th June – 04th July, 2025	Internal Moderation of NTA Level 4-9 Examinations
59.	8th July, 2025	Release of 2nd Semester Examination Timetable
60.	08th – 11th July, 2025	External Moderation of NTA Level 4-9 Examinations
61.	14th July – 01st August 2025	Working on external comments
62.	15th -16th July, 2025	Bachelor Degree Research Presentation
63.	14st July – 25th July, 2025	Second Semester Examination session for NTA Level 9
64.	14st July – 25th July, 2025	Viva Presentations
65.	21st July – 1st August, 2025	Second Semester Examination session for NTA Level 4-8
66.	28th July – 8th August, 2025	Working on the comments from Viva presentations
67.	04th August – 26th September, 2025	Industrial Practical Training(IPT)
68.	4th – 8th August, 2025	Marking and Uploading 2nd Semester Examination Results for NTA Level 4-9
69.	11th – 13th August, 2025	Departmental meetings to review 2nd Semester Examination Results and Publish provisional results for NTA Level 4-9 Examinations
70.	26th August, 2025	Academic Committee Meeting
71.	27th -28th August, 2025	2nd Semester Examination Results Preparation and Compilation
72.	29th August, 20252	Academic Council meeting
73.	29th September-3rd October, 2025	Special/Supplementary Examinations for NTA level 4-9
74.	06th – 10th October, 2025	NTA level 4-9 Marking and Uploading Special/ Supplementary Examination Results for 2024/2025

S/N	DATE	EVENT
75.	13th October, 2025	Publish provisional results for NTA Level 4-9 Special/ Supplementary Examinations
76.	16th October, 2025	Academic Committee Meeting
77.	21st October, 2025	Extra Ordinary Academic Council meeting

ALMANAC FOR CERTIFICATE OF COMPETENCE (CoC) COURSES FOR 2024/2025 ACADEMIC YEAR

NA	DATE	EVENT
1.	16th July – 14th September, 2024	Application window for CoC.
2.	23rd September, 2024	Submission of selected CoC Applicants to TASAC for eligibility approval.
3.	4th-18th November, 2024	Orientation and Registration Week
4.	21st November, 2024	Commencement of 1st Semester for All CoC Courses.
5.	27th -31nd January, 2025	Setting of 1st Semester Examination papers for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO for the academic year 2024/2025
6.	3rd -07h February, 2025	Internal Moderation 1st Semester Examination for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT ETO
7.	17th February, 2025	Submission of 1st Semester Examination papers to TASAC for moderation for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
8.	3rd March, 2025	Release of Examination Timetable for MASTER/CHIEF MATE, CHIEF ENGINEER OFFICER/ SECOND ENGINEER OFFICER, OOEW>750KW ,OONW>500GT & ETO
9.	3rd -07th March, 2025	Setting of Semester Examination papers for OONW<500GT/ OOEW<750kW for the academic year 2024/2025
10.	17th-28th March, 2025	1st Semester Examination session for Master/Chief Mate, Chief

NA	DATE	EVENT
		Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
11.	10th to 14th March, 2025	Internal Moderation of examinations for OONW<500GT/ OOEW<750Kw
12.	26th March, 2025	Submission of Semester Examination papers for OONW<500GT/ OOEW<750kW to TASAC for moderation
13.	31st March–13th April, 2025	Recess for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
14.	31st March–04th April, 2025	Marking Session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
15.	10th April, 2025	Submission of Marked Scripts to TASAC for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
16.	15th April, 2025	Commencement of 2nd Semester for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW, OONW>500GT & ETO.
17.	28th April – 09th May, 2025	Examination session for OONW<500GT/ OOEW<750kW
18.	12th - 16th May, 2025	Marking Session for OONW<500GT/ OOEW<750kW
19.	22nd May, 2025	Submission of Marked Scripts for OONW<500GT/ OOEW<750kW to TASAC
20.	30th June – 04th July, 2025	Setting of 2nd Semester Examination papers for (Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO) of the academic year 2024/2025
21.	07th -11th July, 2025	Internal Moderation of 2nd Semester examinations for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT ETO
22.	18th July, 2025	Submission of 1st Semester Examination papers to TASAC for moderation

NA	DATE	EVENT
23.	04th August, 2025	Release of 2nd Semester Examination Timetable for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
24.	18th-29th August, 2025	2nd Semester Examination session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
25.	01st -05th September, 2025	Marking Session for Master/Chief Mate, Chief Engineer Officer/ Second Engineer Officer, OOEW>750kW ,OONW>500GT & ETO
26.	12th September, 2025	Submission of Marked Scripts to TASAC

KEY:

1. OONW<500GT: Officer In-charge of a Navigational Watch on Ships Of Less Than 500GT

2. OOEW<750kW : Officer In-charge of an Engineering Watch on ships powered by Main propulsion of less than 750kW

3. OOEW>750kW : Officer In Charge of an Engineering Watch on Ships Powered by Main Propulsion Machinery of More than 750 kW

4. OONW>500GT: Officer in Charge of a Navigational Watch on Ships of 500GT Or MORE

5. ETO : Electro-technical Officer

6. Cord-ME: Coordinator of Marine Engineering Department

7. Cord-MT: Coordinator of Maritime Transport Department