DAR ES SALAAM MARITIME INSTITUTE

(DMI)

PROSPECTUS 2022/2023

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Message from the Acting.Principal

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 Community (EAC).

Dr. Tumain S. Gurumo
Ag.Principal

With generous support from the Tanzanian government and various donors, the DMI has grown from offering Certificate of Competency (CoC) programmes to now offering numerous CoC programmes and National Technical Award (NTA) programmes. More specifically, these programmes emanate from Marine Engineering; Naval Architecture and Off-shore Engineering; Maritime Transport and Nautical Science; Shipping and Logistics Management; Procurement, Logistics and Supply Chain Management, Maritime Law and Offshore Safety, Oil and Gas.

Our programmes are accredited by either the local maritime administration (TASAC) under the auspices of the International Maritime Organization (IMO) or the National Accreditation Council for Technical Education (NACTE). The Institute is also ISO 9001:2015 certified by an international accredited registrar and classification society called Det Norske Veritas Germanischer Lloyd (DNV.GL) to provide maritime education and certification.

Graduates from our programmes can work in many areas such as 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 by adding new qualified and experienced staff and by widening our technological and research infrastructure training, we strive and guarantee to offer training, research and consultancy under the best possible 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 2021/2022 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 NACTE (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 varsity opportunities to prospective students interested to achieve Certificate, Diploma, 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 degree and masters 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, Electro-Laboratory, seamanship workshop, training vessel, a computer-based GMDSS simulator with 12 work stations, engineering workshop, computer laboratories, Gyro Compass, Ship's Magnetism Simulator (SMS) for compass correction, Radio Direction Finder Simulator (RDFS) model, a library and classrooms. The Institute also has two emergency power generators standby for curbing any power blackout.

- General Computer Laboratory
- Engineering Computer Laboratory
- GMDSS Computer Laboratory

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 NACTE /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

Capt. Ernest Mihayo Bupamba	-	Chairman
Dr. Mwamini Tulli	-	Member
Capt. Andrew Matilya	-	Member
CPA (T) Hassan Igara Waryoba	-	Member
Ms Stella Joshua Katondo	-	Member

1.3.2 Management Team

Dr. Tumaini S. Gurumo	-	Chairman	Ag. Principal
Dr. Wilfred Johnson	-	Member	Ag. DP/PFA
Dr. Lucas P. Mwisila	-	Member	DP/ARC
Capt. Jumanne A. Karume	-	Member	HoMT
Eng. Hassani Z. Msumi	-	Member	HoME
Dr. Benjamin M Meli	-	Member	Ag.HoSM
CPA. Malik A. Sanga	-	Member	HoFA
Eng. Juma A. Kapaya	-	Member	HoPDS
Mr. Bernard Mgendwa	-	Member	Registrar
Ms. Monica E. Ngowo	-	Member	HOHRM
Ms. Veronica Sudayi	-	Member	Legal Officer
Ms. Regina S. Mbilinyi	-	Member	Ag. Dean of Students
CPA. Filozi J. Mayayi	-	Member	HoIAU
Mr. Victor E. Kilindo	-	Member	EMU
Ms. Vestina E. Rwelengera	-	Member	HoPLU
Ms. Fortunata M. Kakwaya	-	Member	Ag. HoQM
Mr. Haruna M. Kapela	-	Member	Ag. HoPMU
Mr. Ekoni E. Edwin	-	Member	PRO
Mr. Raymond M.Chambua	-	Member	Ag. HoICT

1.3.3 Academic Council

Dr. Tumaini S. Gurumo	-	Chairman	Ag .Principal
Dr. Lucas P. Mwisila		Member	DP/ARC
Mr. Charles. M. Mbena	-	Member	Retired Director of Manpower Development and Administration, TPA
Prof. Beatus. A. T. Kundi	-	Member	Retired Lecturer University of Dar es Salaam
Prof. Leticia K. Rutashobya	-	Member	Retired Lecturer University of Dar es Salaam
Capt. King N. Chiragi	-	Member	Retired Director of Maritime Safety and Security, TASAC
Capt. Jumanne A. Karume	-	Member	Head of Maritime Transport Department
Eng. Hassani Z. Msumi	-	Member	Head of Marine Engineering Department
Dr. Benjamin M Meli	-	Member	Ag. Head of Science and Management Department
CPA. Malik Aram	-	Member	Head of Finance and Accounts Department
Ms. Monica E. Ngowo	-	Member	Head of Human Resource and Administration
Juma Ally Kapaya	-	Member	Head of Professional Development Service Department
Ms. Fortunata M. Kakwaya	-	Member	Acting Head of Quality Assurance Unit
Ms. Regina S. Mbilinyi	-	Member	Acting Dean of Students
Mr. Bernard Mgendwa	-	Member	Acting Registrar
Mr. Frank Somanga	-	Member	Examination Office
DAMISO President	-	Member	Students' Representative

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

2.1.1.1 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)

2.1.1.2 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

2.1.2 Marine Engineering Department

2.1.2.1 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 in Oil and Gas Engineering (ODOGE)
[14] Ordinary Diploma in Marine Welding and Fabrication (ODMME)
[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 Mechatronic (BMTE
[18] Bachelor Degree (NTA Level 7/8 in Marine and Mechanical 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).

2.1.2.2 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

2.1.3 Science and Management Department

2.1.3.1 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)

2.1.4 Short Courses Offered at DMI

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

[28]. Proficiency in Survival Craft and Rescue Boats
[29]. Radar Navigation at Management Level
[30]. Radar Navigation at Operational Level
[31]. Rating Forming Part of a Navigational Watch
[32]. Rating Forming Part of an Engineering Watch
[33]. Refresher – Deck Ratings
[34]. Refresher – Engine Room Ratings
[35]. Refresher and Upgrading – Deck Officers
[36]. Refresher and Upgrading – Engineer Officers
[37]. Security Awareness
[38]. Ship Security Officer

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) 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.

3.1.1.4 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). 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.

3.1.1.5 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).

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) 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.

3.1.1.7 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) 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.

3.1.1.9 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 (TCMT)

- 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).
- 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

passes and subsidiary or

- A Holder of Basic Technician Certificate in Procurement, Logistics and Supply Chain Management or Logistics and Supply Chain Management or Shipping and Logistics Management or 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.

3.1.2.6 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 passes and subsidiary or
- A Holder of Basic Technician Certificate in Transport and Supply Chain Management or Logistics and Supply Chain Management or Shipping and Logistics Management or 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 (TCOGE)

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 (TCMME)

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 (TCMWF)

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

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 (ODOGE)

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 (ODMME)

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 (ODMME)

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

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, Biology 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 Maritime Transport and Nautical Science or Master Fishermen with at least a GPA of 3.0 from a recognized Institution

Duration of the Course

The duration of the course is 4 years academic years organized in 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 Technology with at least a GPA of 3.0.
- A Holder of Ordinary Diploma (NTA Level 6) in Mechanical Engineering, or 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 4 academic years organized in two 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, logistics and transport, maritime transport, master fisherman, marine engineering, procurement and

logistics, freight clearing and forwarding, shipping and port and transport management 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 3 years. Organized in semesters wise

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 3.5.
- 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 4 years organized in semesters.

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

- A Holder of Ordinary Diploma (NTA Level 6) in Procurement, Logistics and Supply Chain Management/freight Clearing and forwarding/Transport with at least a GPA of 3.0; or
- 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 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 3 years. Organized in semesters

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

- A Holder of Ordinary Diploma (NTA Level 6) in Transport and Supply Chain Management/Shipping and Logistics with at least a GPA of 3.0; or
- 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 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 3 years. Organized in 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 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 3.5.

- A Holder of an Ordinary Diploma (NTA Level 6) in either Oil and Gas Engineering Technology, Naval Architecture and Offshore Engineering, Marine and Mechanical Engineering, Mining Engineering, Automobile Engineering, Electrical Engineering and Civil Engineering with at least a GPA of 3.5 from a recognized institution. Who has undergoes one year General Course

Duration of the Course:
The duration of the course is 4 years. Organized in semesters

3.1.4.8 Bachelor Degree (NTA Level 7/8) in Marine and Mechanical 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 Marine and Mechanical Engineering with at least a GPA of 3.5 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 4 academic years organized in two 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 Marine and Mechanical Engineering with at least a GPA of 3.5.

- 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 3.5

Duration of the Course:
The duration of the course is 4 years. Organized in 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, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical science, Marine Engineering, Science, Engineering, Business administration, Economics, Accountancy and Mathematics/Statistics with minimum GPA 2.7.
- A Holder of Advanced Diploma in Shipping and Logistics Management/Transport/Port/Procurement, Logistics and Supply Chain Management/ Maritime Transport and Marine Engineering with minimum GPA 3.0
- A Holder of unclassified Bachelor Degree in Shipping and Logistics Management/ Procurement, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical science, Marine Engineering, Science, Engineering, Business administration, Economics, Accountancy and Mathematics/Statistics with a distinction.

Duration of the Course:
The duration of the course is years (2) academic year 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 Shipping and Logistics Management/ Procurement, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical Science, Marine Engineering, Science, Engineering, Business Administration, Economics, Accountancy and Mathematics/Statistics with minimum GPA of 2.7.
- A Holder of Advanced Diploma in Shipping and Logistics Management/Transport/Port/Procurement, Logistics and Supply Chain Management/ Maritime Transport and Marine Engineering with minimum GPA 3.0.

- A Holder of unclassified Bachelor Degree in Shipping and Logistics Management/ Procurement, Logistics and Supply Chain Management/ Bachelor Degree in Maritime Transport and Nautical science, Marine Engineering, Science, Engineering, Business administration, Economics, Accountancy and Mathematics/Statistics with a distinction.

Duration of the Course:
The duration of the course is years (2) academic year 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.

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

3.2 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.

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

- A Holder of Certificate of Secondary Education Examination and has not less than 36 months seagoing service period.

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

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

- A Holder Certificate of Secondary Education Examination with 36 months seagoing service as rating or Ordinary Diploma in Maritime Transport or Advanced Certificate of Secondary School education with 6 months of approved seagoing service.

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

3.2.3 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 and English or a holder of a Certificate in Marine Engineering NTA level 5 and has not less than 36 months of seagoing service.

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.

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

3.2.4 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 month 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 or A Holder of CoC for Officer in Charge of an Engineering Watch less than 750 kW and has not less than 36 months of seagoing service.

B: 12 month seagoing service route

- A holder of ACSE with 2 principal passes in Mathematics, Physics or Chemistry or A Holder of a relevant NTA level 6 of education and OOEW< 750kW.

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.

3.2.5 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 Ordinary Diploma in Maritime Transport or Advanced Certificate of Secondary School education with 12 months of approved seagoing service or holder of Officer in Charge of a Navigational Watch on Ships less than 500GT with 36 months sea service on board ship.

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

3.2.6 Master on Ships less than 500GT

- A holder of Officer in Charge of a Navigation Watch on Ships less than 500GT and have not less than 12 months of seagoing serviced 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 one (1) academic year organized in two semesters.

3.2.7 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 500 gross tonnage or more and has not less than 12 months of approved seagoing service.

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

3.2.8 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 18 weeks.

3.2.9 Master and Chief Mate

- 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. To qualify as a Master a Candidate must have not less than 36 months seagoing service; however this period may be reduced to not less than 24 months if 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.

3.2.10 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 36 months seagoing service; however this period may be reduced to not less than 24 months if 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.

3.6 Procedures for Applications and Admission

3.7.1 Direct Entry Scheme

(i) Applicants are required to apply through DMI online link of **http://admission.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 Tanzanian applicants, USD20 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 online fill the application forms and submit 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.

3.7 Other Important Information Related to Admission

3.8.1 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.

3.8.2 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.

3.8.3 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/NACTE equivalence of grades for candidates with foreign certificates.

3.8.4 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.

xi. 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	55-64	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
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*

4.2.1 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

S/N	Code	Module Title	Scheme of study Hrs/ Week				
			L	T	P	AS	Credits
1.	MOT 04101	Basic Maritime Safety and Security	4	2	2	0	12
2.	MOT 04102	Rating Forming Part of a Navigational Watch	2	0	2	0	6
3.	MOT 04103	Rating Forming Part of an Engineering Watch	2	1	1	0	6
4.	SLT 04101	General Physics	2	1	2	1	9
5.	SLT 04102	Mathematics	2	1	2	1	9
6.	SLT 04103	Basic Maritime English	2	1	0	1	6
7.	MOT 04104	Ethics and Professional Skills	2	1	0	1	6
8.	MOT 04105	Simulator Practices	2	1	0	1	6
Subtotal			**18**	**8**	**9**	**5**	**60**
Total hrs per Week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of study Hrs/ Week				
			L	T	P	AS	Credits
1.	MOT 04206	Workshop Practice	2	0	6	0	12
2.	MOT 04207	Engineering Knowledge	2	0	2	2	9
3.	MOT 04208	Nautical Knowledge	2	0	1	1	6
4.	SLT 04204	Basic Computer Application	2	1	2	1	9
5.	MOT 04209	Basic Radio Communications	2	0	2	0	6
6.	MOT 04210	Shipboard Safety	2	0	2	0	6
7.	SLT 04205	Maritime English	2	1	0	1	6
8.	MOT 04211	Heat Energy Transfer	2	1	0	1	6
Subtotal			**16**	**3**	**15**	**6**	**60**
Total hrs per Week			**40**				

4.2.2 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLT 04101	Basics of International Logistics	2	1	2	1	9
2.	SLT 04102	Transport Geography	4			2	9
3.	SLT 04103	Basics of Marketing and Customer Services	2	1	2	1	9
4.	SLT 04104	Ships Knowledge	2	1	2	1	9
5.	SLT 04105	Arithmetic, Indices and Algebra	4	1	2	1	12
6.	SLT 04106	Basics of Computer Applications	2		2		6
7.	SLT 04107	Basics of Communication Skills	2		2		6
Subtotal			**18**	**4**	**12**	**6**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLT 04208	Business and Shipping Practice	2	1	2	1	9
2.	SLT 04209	Warehousing and Inventory	3	1	1	1	9
3.	SLT 04210	Basics of Shipping and Insurance Management	3	1	1	1	9
4.	SLT 04211	Dangerous Goods	3	1	1	1	9
5.	SLT 04212	Basics of Overseas Trade Law	3		2	1	9
6.	SLT 04213	Freight Transport Services	2	1	2	1	9
7.	SLT 04214	Communication Skills	2		2		6
Subtotal			**18**	**5**	**11**	**6**	**60**
Total hours per week			**40**				

4.2.3 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	Scheme of study Hrs/ Week				
			L	T	P	AS	Credits
1.	MTT 04101	Personal Survival Techniques	2		2		6
2.	MTT 04102	Personal Safety and Social Responsibility	2		2		6
3.	MTT 04103	Fire Fighting and Fire Prevention	2		2		6
4.	MTT 04104	Elementary First Aid	2		2		6
5.	MTT 04105	Security Awareness	2		2		6
6.	MET 04101	Rating Forming Part of an Engineering Watch	2	1		1	6
7.	MET 04104	Stores Management	2	1		1	6
8.	SMT 04103	Basic Maritime English	4	1		1	9
9.	SMT 04130	Geometry	4	1		1	9
Subtotal			**22**	**4**	**10**	**4**	**60**
Total hrs per Week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of study Hrs/ Week				
			L	T	P	AS	Credits
1.	MET 04205	Ship Forms and Models	4	1	2	1	12
2.	MET 04206	Ship Knowledge	4	2		2	12
3.	MET 04207	Shipyard Safety	4	2		2	12
4.	MET 04208	Freehand Drawing	4	1	2	1	12
5.	SMT 04205	Basic Computing Skills	4	1	2	1	12
Subtotal			**20**	**7**	**6**	**7**	**60**
Total hrs per Week			**40**				

4.2.4 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

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 04120	Introduction to Logistics	4	2	1	1	**12**
2.	SMT 04121	Logistics Business Environment	4		1	1	**9**
3.	SMT 04122	Principles of Procurement	4	2	1	1	**12**
4.	SMT 04123	Logistics Customer Value and Services	4	2	1	1	**12**
5.	SMT 04124	Business Studies	4		1	1	**9**
6.	SMT 04112	Elementary Communication Skills	2		1	1	**6**
Subtotal			**22**	**6**	**6**	**6**	**60**
Total hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 04225	Logistics integration and Operation Management	4	2	1	1	12
2.	SMT 04226	Fundamental Principles of Supply Chain Management	4	2	1	1	12
3.	SMT 04227	Introduction to Inventory and Warehousing Management	4		1	1	9
4.	SMT 04228	Legal Aspect of Business Logistics	6		1	1	12
5.	SMT 04218	Computer Knowledge	4				6
6.	SMT 04229	Business Numeracy	4		1	1	9
Subtotal			**26**	**4**	**5**	**5**	**60**
Total hrs per week			**40**				

4.2.5 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 04130	Fundamentals of Transport	4	2	1	1	**12**
2.	SMT 04131	Fundamentals Principles of Logistics and Supply Chain Management	4	2	2	2	**15**
3.	SMT 04132	Elements of Freight Transport Services	4	2	1	1	**12**
4.	SMT 04108	Introduction to Marketing and Customer services	4	2	1	1	**12**
5.	SMT 04112	Elementary Communication Skills	3	1	1	1	**9**
Subtotal			**19**	**9**	**6**	**6**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
8.	SMT 04233	Elements of Fleet Management and Operations	4	2	1	1	12
9.	SMT 04218	Basic Computer Applications	4	2	1	1	12
10.	SMT 04229	Business Numeracy	3	1	1	1	9
11.	SMT 04234	Fundamentals of Urban and Rural Transportation	4	2	1	1	12
12.	SMT 04235	Introduction to passenger Transport services	2		1	1	6
13.	SMT 04236	Industrial Services					9
Subtotal			**17**	**7**	**5**	**5**	**60**
Total hrs per week			**34**				

4.2.6 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	OGT 04101	Basic Safety at Sea	1		1		3
2.	OGT 04102	Elementary Communication Skills	2	2	2	2	12
3.	OGT 04103	Fundamentals of Petroleum Engineering	2	1	4	1	12
4.	OGT 04104	Algebra, Logarithmic and Mensuration	2	2		2	9
5.	OGT 04105	Workshop Practice	2		4	2	12
6.	OGT 04106	Basic Computing Skills	2	1	4	1	12
Subtotal			**11**	**6**	**15**	**8**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	OGT 04207	Occupational Health, Safety and Environment Protection	2	2			6
2.	OGT 04208	Fundamentals of Electrical Engineering	2		2		6
3.	OGT 04209	Basics of Welding and Fabrication Practices	2	1	4	1	12
4.	OGT 04210	Basics of Petroleum Geology	2	2	2	2	12
5.	OGT 04211	Fluid Properties	2	2	2	2	12
6.	OGT 04212	Basics of Oil and Gas Project	2	1	4	1	12
Subtotal			**12**	**6**	**14**	**6**	**60**
Total hrs per week			**40**				

4.2.7 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MMT 04101	Basic Safety at Sea	2		2		6
2.	MMT 04102	Technical Drawing	2		4	2	12
3.	MMT 04103	Engine Room Rating	2		4	2	12
4.	MMT 04104	Basic Physics	2	1	2	1	9
5.	MMT 04105	Basic Maritime English	2	1		1	6
6.	MMT 04106	Algebra and Geometry	2	1		1	6
7.	MMT 04107	Basic Chemistry	2	1	2	1	9
Subtotal			**14**	**4**	**14**	**8**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MMT 04208	Engineering Workshop	2		3	1	9
2.	MMT 04209	Basic Marine Engineering Knowledge	2	1	1		6
3.	MMT 04210	Electrical Systems	2	1	1		6
4.	MMT 04211	Material Science	2	1		1	6
5.	MMT 04212	Basic Mechanics	2	1		1	6
6.	MMT 04213	Basics Computing Skills	2		1	1	6
7.	MMT 04214	Technical English	2	1		1	6
8.	MMT 04215	Industrial Practical Training					15
Subtotal			**12**	**6**	**14**	**6**	**60**
Total hrs per week			**40**				

4.2.8 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	WFT 04101	Basics of Engineering Materials	4	2	1	1	**12**
2.	WFT 04102	Welding Drawing and Designation	4	1	2	1	**12**
3.	WFT 04103	Communication and Reporting Skills	2	2		2	**9**
4.	WFT 04104	Arithmetic, Algebra, and Geometry	2	2		2	**9**
5.	WFT 04105	Basics of Computer Applications	3	1	1	1	**9**
6.	WFT 04106	Basics of Entrepreneurship Skills	3	1		2	**9**
Subtotal			**18**	**9**	**4**	**9**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	WFT 0407	Workshop Practice	2	1	4	1	12
2.	WFT 04208	Basics of Mechanics	2	1		1	6
3.	WFT 04209	Basics of Electrical Machines	2		1	1	6
4.	WFT 04210	Basics of Welding and Fabrication Practices	2	1	4	1	12
5.	WFT 04211	Health, Safety and Environment	2		1	1	6
6.	WFT 04212	Basics of Welding Metallurgy	2	1	1		6
7.	WFT 04213	Industrial Practical Training					12
Subtotal			**12**	**6**	**14**	**6**	**60**
Total hrs per week			**40**				

4.2.9 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	CTT 04101	Shipping Communication and Reporting Skills	3	1	1	1	9
2.	CTT 04102	Arithmetic, Algebra and Geometry	4	1	1	2	12
3.	CTT 04103	Port Operations and Hinterland Logistics	2		1	1	6
4.	CTT 04104	Basics of Marketing and Customer Services	4	1	1	2	12
5.	CTT 04105	Basic Computer Applications	4	1		1	9
6.	CTT 04106	Basics Entrepreneurship Skills	4	2	1	1	12
Subtotal			**21**	**6**	**5**	**8**	**60**
Total hrs per week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	CTT 0407	Elements of Freight Transport Services	4	2	1	1	12
2.	CTT 04208	Port and Cargo Security, Safety and Environment	4	2	1	1	12
3.	CTT 04209	Marine Insurance	4	2	1	1	12
4.	CTT 04210	Cargo Tallying Operations	4	2	2	2	15
5.	CTT 04211	Basics of Statistics	3	1	1	1	9
Subtotal			**12**	**6**	**14**	**6**	**60**
Total hrs per week			**40**				

4.2.1 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	2	-	2	-	6
2.	MNT 05102	Compasses	2	1	1	-	6
3.	MNT 05103	Principles of Navigation	4	-	2	-	9
4.	MNT 05104	Watch keeping	2	1	2	1	9
5.	MNT 05105	Cargo Operations	2	1	-	1	6
6.	MNT 05106	Basics of Communication Skills	2	-	1	1	6
7.	MNT 05107	Trigonometry and Coordinate Geometry	2	-	1	1	6
8.	SLT 05103	Computer Applications	2	-	2	-	6
9.	MNT 05108	Basics of Applied Science	2	-	2	-	6
Subtotal			**20**	**3**	**13**	**4**	**60**
Total hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MNT 05209	Electronic Navigation Systems	2	-	1	1	6
2.	MNT 05210	Coastal Navigation	2	-	2	-	6
3.	MNT 05211	Basics of Ship Stability	2	-	2	-	6
4.	MNT 05212	Global Maritime Distress Safety and System	2	-	1	1	6
5.	MNT 05213	Ship Construction	2	-	2	-	6
6.	MNT 05214	Visual Communication	2	1	-	1	6
7.	MNT 05215	Basics of Meteorology	2	1	-	1	6
8.	MNT 05216	Intermediate Maritime English	2	1	-	1	6
9.	MNT 05217	Industrial Practical Training	-	-	8	-	12
Subtotal			**16**	**3**	**16**	**5**	**60**
Total hrs. per week			**40**				

4.2.2 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MNT 05101	Maritime Safety and Security	2		2		6

2.	MET 05101	Engine Room Watchkeeping	2	1	2	1	9
3.	MNT 05106	Basics of Communication Skills	2	1		1	6
4.	MET 05102	Operation Workshop Machinery	2		8		15
5.	MNT 05107	Trigonometry and Coordinate Geometry	2	1		1	6
6.	SLT 05103	Computer Applications	2		2		6
7.	MET 05103	Thermodynamics	2	1	4	1	12
Subtotal			**14**	**4**	**18**	**4**	**60**
Total hrs per week			**40**				

Semester 2

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

4.2.3 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLT 05101	Logistics and Transport Environment	4	2			9
2.	SLT 05102	Management of Shipping Operations	4		1	1	9
3.	SLT 05103	Computer Applications	2		2		6
4.	SLT 05104	Freight Operations	2	2			6
5.	SLT 05105	Customer Services and Quality Management	2	2	1	1	9
6.	SLT 05106	International Marine Cargo Management	4	2	1	1	12
7.	SLT 05107	Basics of Customs Procedures and Regulations	4		1	1	9
Subtotal			**22**	**8**	**6**	**5**	**60**
Total hrs per week			**40**				

Semester 2

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

4.2.4 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MET 05110	Workshop Practice	2	1	6	1	15
2.	SMT 05127	Trigonometry	2		2		6
3.	MET 05111	Computer Aided Design	2		2		6
4.	MET 05112	Machinery Systems and Installation	3	1	1	1	9
5.	MET 05113	Statics of Marine Structures	3	1		2	9
6.	MET 05114	Elementary Hydrodynamics	2	1	2	1	9
7.	SMT 05126	Physics	2	1		1	6
Subtotal			**16**	**5**	**13**	**6**	**60**
Total hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 05205	Introduction to Vector Algebra and Complex Numbers	2	1	1	2	9
2.	MET 05205	Engineering Drawing	4	1		1	9
3.	MET 05206	Electric Circuits	4	1		1	9
4.	MET 05215	Dockyard Practices	4	1	1	2	12
5.	MET 05211	Offshore Systems	6	1		1	12
6.	SMT 05204	Intermediate Maritime English	4	1		1	9
Subtotal			**24**	**6**	**2**	**8**	**60**
Total hrs per week			**40**				

4.2.5 c

hnician 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 Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 05120	Logistical value Chain Structure	4		1	1	9
2.	SMT 05121	Logistics Costing Principles and Financing	4	2	1	1	12
3.	SMT 05122	Logistical Services Quality Management	4		1	1	9
4.	SMT 05123	Materials handling Systems and Operations	4		1	1	9
5.	SMT 05111	Introduction to Customs Procedures and Regulations	4		1	1	9
6.	SMT 06101	Business Statistics	4	2	1	1	12
Subtotal			**24**	**4**	**6**	**6**	**60**
Total hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 05224	Basic Information Technology in Supply Chain	6	2	1	1	15
2.	SMT 05212	Management of International Logistics and Supply Chain	4	2	1	1	12
3.	SMT 05214	Port Operations	4				6
4.	SMT 05217	Introduction to E-commerce	4				6
5.	SMT 05218	Introduction to Oil, Gas and Chemical	4		1	1	9

		Operations					
6.	SMT 05103	Computer Applications	4				6
7.	SMT 05225	Industrial Training					6
Subtotal			**26**	**4**	**3**	**3**	**60**
Total hrs per week			**36**				

4.2.6 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 05106	Logistics and Transport Environment	4	2	1	1	12
2.	SMT 05111	Fundamentals of Customs Procedures and Regulations	4	2	1	1	12
3.	SMT 05126	Transportation Planning and Policy	4	2	2	2	15
4.	SMT 05101	Fundamentals of Oil, Gas and Chemical Transportation	4	2	1	1	12
5.	SMT 05127	International Transport Geography	3	1	1	1	9
Subtotal			**19**	**9**	**6**	**6**	**60**
Total hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 05228	Management of Transport Operations	4	2	2	2	15
2.	SMT 05212	Management of International Logistics and Supply Chain	4	2	1	1	12
3.	SMT 05224	Basic Information Technology in Supply Chain	3	1	1	1	9
4.	SMT 05214	Port Operations and terminal Management	2	1	2	1	9
5.	SMT 05218	Fundamentals of Statistics and Research methodology	4		1	1	9
6.	SMT 05230	Industrial Training					6
Subtotal			**17**	**6**	**8**	**5**	**60**
Total hrs per week			**36**				

4.2.7 Technician Certificate (NTA Level 5) in Oil and Gas Engineering (TCTOGE)

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

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1.	OGT05207	Communication for Technical Professional	2		1	1	6
2.	OGT05208	Engineering Drawing	2	1	1	2	9
3.	OGT05209	Maintenance of Machines	2	1	2	1	9
4.	OGT05210	Basic of Drilling Technology	2	1	2	1	9
5.	OGT05211	Materials Science and Engineering	2	1	1		6
6.	OGT05212	Chemistry of Oil and Gas	2	1	2	1	9
7.	OGT05213	Industrial Training					12
Subtotal			**12**	**5**	**9**	**6**	60
Total Hrs per week			**32**				

4.2.8 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	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MMT 05101	Advanced Safety at Sea	2	2	2		9
2	MMT 05102	Elementary Communication Skills	2	1		1	6
3	MMT 05103	Marine Diesel Engine	2	1	4	1	12
4	MMT 05104	Workshop Machine Tools	2		6		12
5	MMT 05105	Mechanics of Machines	4	1	2	1	12
6	MMT 05106	Trigonometry and Coordinate Geometry	2	2		2	9
Subtotal			14	7	14	5	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MTT 05207	Basic of Vector Algebra and Complex Numbers	2	1		1	6
2	MTT 05208	Engineering Drawing	1		3		6
3	MTT 05209	Marine Engineering Knowledge	2		3	1	9
4	MTT 05210	Maintenance of Marine Machinery	2		4		9
5	MTT 05211	Industrial Electrical Installations	2	1	2	1	9
6	MTT 05212	Computer Aided Drafting	1		3		6
7	MTT 05213	Industrial Training					15
Subtotal							**60**
Total Hrs/per week			**30**				

4.2.9 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	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	WFT05101	Computer Aided Design (CAD)	2		2		6
2	WFT05102	Basic of Calculus	2	1		1	6
3	WFT05103	Welding Drawing and Standards	2	1	1		6
4	WFT05104	Steel structure	2	1	2	1	9
5	WFT05105	Welding and Fabrication Technology	4	2		2	12
6	WFT05106	Equipment of Welding Processes	4	1	2	1	12
7	WFT05107	Workshop Machinery	2		4		9
Subtotal			**18**	**6**	**11**	**5**	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	WFT05208	Welding Metallurgy	4	1		1	9
2	WFT05209	Welding and Fabrication Practice	4	1	4	1	15
3	WFT05210	Maintenance of Welding Equipment	4	1	2	1	12
4	WFT05211	Project Supervision	2	1		1	6
5	WFT05212	Basic Statistics	2		1	1	6
6	WFT05213	Industrial Practical Training					12
Subtotal			**16**	**4**	**7**	**5**	**60**
Total Hrs/per week			**32**				

4.2.1 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

No.	Code	Module Title	Scheme of Study Hrs/Week				Credit
			L	T	P	AS	
1	MNT 06101	Ship Stability	4	1	2	1	12
2	MNT 06102	Watch keeping	4	1	2	1	12
3	SLT 06107	Basics of Quantitative Techniques	2	1	2	1	9
4	MNT 06103	Ocean and Offshore Navigation	6	1	2	1	12
5	MNT 06104	Basics of Maritime law	2	1	1		6
6	MNT 06105	Marine Pollution Control	2	1	2	1	9
Subtotal			**20**	**5**	**11**	**5**	**60**
Total hours per Week			**40**				

Semester 2

No.	Code	Module Title	Scheme of Study Hrs/Week				Credit
			L	T	P	AS	
1	MNT 06206	Meteorology	2	1	2	1	9
2	MNT 06207	Human Resources Management	2	1	2	1	9
3	SLT 06209	Economics of Maritime operations	2	1	1		6
4	SLT 06211	International Maritime Transport	2	1	1		6
5	MNT 06208	Basics of Port Operations	2	1	1		6
6	MET 06215	Basics of Calculus	2	1	1		6
7	SLT 06210	Basics of Entrepreneurship Practices	2	1	2	1	9
8	MNT 06209	Project					9
Subtotal			**14**	**7**	**10**	**3**	**60**
Total hours per Week			**34**				

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

Aims of the Programme

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

Purpose of Qualification

This qualification is intended for 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. The qualification is also intended for persons who will work in a maritime industry or engineering related enterprise.

Module Arrangement

Semester 1

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

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MET 06208	Fundamentals of Marine Electronics	2		2	2	9
2.	MET 06215	Basics of Calculus	2				3
3.	MET 06209	Naval Architecture and Ship Construction	2	1		1	6
4.	MET 06210	Instrumentation and Control	2		6		12
5.	SLT 06209	Economics of Maritime Operations	2				3
6.	MNT 06207	Basics of Port Operations	2				3
7.	MET 06211	Maintenance of Auxiliary Machinery	2		2		6
8.	MET 06212	Marine Engineering Watchkeeping	2		2		6
9.	MET 06213	Ethics and Professional Skills	2				3
10.	MET 06214	Project					9
Subtotal			**16**	**1**	**18**	**5**	**60**
Total hrs per Week			**40**				

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

Semester 2

	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLT 06208	Marine Insurance and Salvage	4	1	2	1	12
2.	SLT 06209	The Economics of Maritime Operations	2		2		6
3.	SLT 06210	Principles of Entrepreneurship	2	1	2	1	9
4.	SLT 06211	International Maritime Transport Systems	2		2		6
5.	SLT 06212	Shipping Law	4	1	2	1	12
6.	SLT 06213	Project					15
Subtotal			**14**	**3**	**10**	**3**	**60**
Total hrs per week			**30**				

4.2.4 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MET 06101	Engineering Mechanics	2	1		1	6
2.	MET 06108	Energy Technology	2	1		1	6
3.	MET 06103	Technical Drawing	4	1		1	9
4.	MET 06104	Welding and Fabrication	2	1	2	1	9
5.	MET 06105	Electro-technology	2		1	1	6
6.	SMT 06127	Project Management	4	1		1	9
7.	SMT 06128	Research Methodology	4	1		1	9
8.	SMT 06101	Business Statistics	2	1		1	6
Subtotal			**22**	**7**	**3**	**8**	**60**
Total hrs per Week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MET 06214	Material Technology	2	1		1	6
2.	MET 06215	Machining Procedures	4	1		1	9
3.	SMT 06202	Principles of Calculus	2	1		1	6
4.	MET 06216	Ship Construction	2	1		1	6
5.	MET 06210	Instrumentation and Control	2	1		1	6
6.	MET 06217	Ocean Structure	2	1		1	6
7.	MET 06218	Oceanography	2	1		1	6
8.	MET 06213	Practical Training			10		15
Subtotal			**16**	**7**	**10**	**7**	**60**
Total hrs per Week			**40**				

4.2.5 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

Year 1: ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 06117	Supply Chain Integration and Performance Management	4	2	1	1	12
2.	SMT 06118	Supply Chain risks Management	4			2	9
3.	SMT 06119	Procurement Structures and Design	4			2	9
4.	SMT 06120	Introduction to Materials Management	4	2	1	1	12
5.	SMT 06121	Warehousing Operations Management	4		1	1	9
6.	SMT 06122	Project					9
Subtotal			**20**	**4**	**3**	**7**	**60**
Total hrs per week			**34**				

Year 1: ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMT 06223	Managing and Controlling Logistics Inventories	6		1	1	12
2.	SMT 06224	International Freight Transport Management	2		1	1	6
3.	SMT 06225	E- procurement Management	4		1	1	9
4.	SMT 06226	Principles of Marketing	4		1	1	9
5.	SMT 06214	Introduction to Quantitative Techniques	6	2	1	1	15
6.	SMT 06213	The Economics of Maritime Operations	4		1	1	9
Subtotal			**26**	**2**	**6**	**6**	**60**
Total hrs per week			**40**				

4.2.6 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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
6.	SMT 06127	International Transport Systems	3	1	1	1	9
7.	SMT 06118	Supply Chain risks Management	3	1	1	1	9
8.	SMT 06108	Principles of Warehousing and Inventory	4	2	1	1	12
9.	SMT 06128	Fundamentals of Business Law	3	1	1	1	9
10.	SMT 06117	Supply Chain Integration and Performance Management	4	2	1	1	12
11.	SMT 06129	Project					9
Subtotal			**17**	**7**	**5**	**5**	**60**
Total hrs per week			**34**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
7.	SMT 06230	Transport Economics	4	2	1	1	12
8.	SMT 06223	Fundamentals of Intermodal Transport	2	2	1	1	9
9.	SMT 06225	Transport and Social Dynamics	4	2	1	1	12
10.	SMT 06224	Safety and Security in Transport Systems	4	2	1	1	12
11.	SMT 06214	Basics of Quantitative Techniques	4	2	2	2	15
Subtotal			**18**	**10**	**6**	**6**	**60**
Total hrs per week			**40**				

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

Semester 2

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

4.2.8 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	Scheme of Study Hrs/Week				
			L	T	P	AS	
1.	MMT06101	Engineering Mechanics	2	1		1	6
2.	MMT06102	Fundamentals of Thermodynamics	2	1		1	6
3.	MMT06103	Technical Drawing	2	1		1	6
4.	MMT06104	Welding and Fabrication	2		2		6
5.	MMT06105	Electro-technology	2		1	1	6
6.	MMT06106	Diesel Engine, Steam and Gas Turbines	2		2	1	6
7.	MMT06107	Marine Auxiliary Machinery	2		1	1	6
8.	MMT06108	Basic Machine Elements Designs	2				6
9.	MMT06109	Basic of Materials Strength	2	1		1	6
10.	MMT06110	Maritime Law	2				3
11.	MMT06111	Project Management	2				3
Subtotal			**22**	**4**	**7**	**7**	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	
1.	MMT06212	Basics of Calculus	2				3
2.	MMT06213	Fundamentals of Marine Electronics	2				3
3.	MMT06214	Fundamentals, Control and automation	2				3
4.	MMT06215	Maintenance of Auxiliary Machinery	2		2		6
5.	MMT06215	Marine Engineering Watchkeeping	2		1	1	6
6.	MMT06217	Basics of Fluid Mechanics	2		1		3
7.	MMT06218	Mechanical Manufacturing Process	4	1		1	9
8.	MMT06219	Ship Stability and Design	4	1		1	9
9.	MMT06220	Design Project					8
10.	MMT06221	Industrial Practical Training					10
Subtotal			**20**	**2**	**3**	**3**	**60**
Total Hrs/per week			**28**				

4.2.9 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	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1.	WFT06101	Welding Machinery Maintenance	2		4		9
2.	WFT06102	Welding and Fabrication Design	4		3	1	12
3.	WFT06103	Plasma and Powder Welding Technology	2	1	4	1	12
4.	WFT06104	Plastic Welding Technology	2		3	1	9
5.	WFT06105	Diving Practice	2	1	2	1	9
6.	WFT06106	Testing and Quality Control of Welds	2	1	2	1	9
Subtotal			**14**	**3**	**18**	**5**	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	WFT06207	Foundry Technology and Practice	2		4		9
2	WFT06208	Underwater Welding Practice	2		4		15
3	WFT06209	Specialized Workshop Practice	2		4		12
4	WFT06210	Principles of Warehousing and Inventory	2	1		1	6
5	WFT06211	Basics of Business Economics	2	1		1	6
6	WFT06212	Basics of Business Law	2	1		1	
6	WFT06213	Design Project					12
Subtotal			**14**	**3**	**12**	**3**	**60**
Total Hrs/per week			**32**				

4.2.10 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**

NO	CODE	MODULE TITLE	Scheme of study Hrs/week				Credit
			L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	4	1	4	1	15
2.	MNU 07102	Visual, Radio and Global Maritime Distress and Safety System Communication	4	1	2	1	12
3.	MNU 07103	Principles of Navigation	4	1	4	1	15
4.	SLU 07105	Communication Skills	2	1	2	1	9
5.	MNU 07104	Principle of Calculus	2	1	2	1	9
Subtotal			**15**	**5**	**14**	**6**	**60**
Total hrs per week			**40**				

Semester 2 **Year 1**

NO	CODE	MODULE TITLE	Scheme of study Hrs/week				Credit
			L	T	AS	P	
1.	SLU 07203	Maritime English	4	1	1	0	9
2.	SLU 07204	Computer System Applications	2	1	1	2	9
3.	MNU 07205	Applied Science	4	1	1	2	12
4.	MNU 07206	Rating forming Part of Navigational Watch	2	0	0	4	9
5.	SLU 07211	Development Studies I	4	1	1	0	9
6.	MNU 07207	Industrial Training I	0	0	0	8	12
Subtotal			**16**	**4**	**4**	**16**	**60**
Total hrs per week			**40**				

Semester 3 **Year 2**

No	Code	Module Title	Scheme of study Hrs/week				Credit
			L	T	AS	P	
1.	MNU 07308	Meteorology	2	1	1	2	9
2.	MNU 07309	Electricity and Electronics	2	1	1	2	9
3.	MNU 07310	Trigonometry and Spherical Triangles	4	1	1	0	9
4.	MNU 07311	Coastal Navigation	4	1	1	2	12
5.	MNU 07312	Maritime Safety and Security	2	1	1	2	9
6.	SLU 07322	Development Studies II	2	1	1	0	6
7.	SLU 07317	Principles of Management and Leadership	2	1	1	0	6
Subtotal			**18**	**7**	**7**	**8**	**60**

Total hrs per week	**40**

Semester 4 **Year 2**

No	Code	Module Title	Scheme of study Hrs/week				Credit
			L	T	AS	P	
1.	MNU 07413	Ship Construction and Stresses	4	1	1	2	12
2.	MNU 07414	Navigation Systems	4	1	1	2	12
3.	MNU 07415	Watchkeeping	4	1	1	0	9
4.	SLU 07426	Research Methodology	2	1	1	0	6
5.	SLU 07423	Shipping Economics and International Trade	4	1	1	0	9
6.	MNU 07416	Industrial training II	0	0	0	8	12
Subtotal			**18**	**5**	**5**	**12**	**60**
Total hrs per week			**40**				

Semester 5 **Year 3**

No	Code	Module Title	Scheme of study Hrs/week				Credit
			L	T	AS	P	
1.	MNU 07517	Simulator Practices	4	0	0	4	12
2.	MNU 07518	Ship Stability	4	1	1	2	12
3.	MNU 07519	Cargo Operations	4	1	1	2	12
4.	MNU 07520	Ocean and Offshore Navigation	4	1	1	4	15
5.	MNU 07521	Engineering and Control Systems	2	1	1	2	9
Subtotal			**18**	**4**	**4**	**14**	**60**
Total hrs per week			**40**				

Semester 6 **Year 3**

No	Code	Module Title	Scheme of study Hrs/week				Credit
			L	T	AS	P	
1.	SLU 07616	Human Resources Management	4	1	1	2	12
2.	SLU 07614	Entrepreneurship	4	1	1	2	12
3.	MNU 07622	Maritime Law	4	1	1	2	12
4.	MNU 07623	Ethics and Professional Skills	4	1	1	2	12
5.	MNU 07624	Industrial training III	0	0	0	8	12
Subtotal			**16**	**4**	**4**	**16**	**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

Year 4 **Semester 1**

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

Year 4: Semester 2 **LECTIVES (Select one module)**

S/N	Code	Module Title	Scheme of study Hrs/Week				Credit
			L	T	AS	P	
1.	SLU 08209	Shipping Business Management	2	2	1	1	9
2.	SLU 08210	Shipping Finance and Accounts	2	2	1	1	9
3.	SLU 07319	Environmental Science	2	2	1	1	9
4.	MNU 08202	Simulation of Maritime Processes	2	2	2	2	12
5.	SLU 08212	Shipping Agency	2	2	1	1	9
6.	**Elective**						12
Subtotal			**10**	**10**	**6**	**6**	**60**
Total hrs per week			**40**				

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

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

4.2.11 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				Credit
			L	T	P	AS	
1.	MNU 07101	Basic Maritime Safety and Security	2	0	2	0	6
2.	MEU 07101	Bench Work and Machinery Practice	2	0	8	0	15
3.	MEU 07102	Basics of Engineering Drawing	2	1	2	1	9
4.	MEU 07103	Engineering Mechanics	2	2	1	1	9
5.	SLU 07105	Communication Skills	2	1	2	1	9
6.	MEU 07106	Principles of Calculus	2	1	0	1	6
7.	MEU 07107	Material Technology	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	Scheme of Study Hrs/ Week				Credit
			L	T	P	AS	
1.	SLU 07212	Entrepreneurship	2	1	2	1	9
2.	MEU 07208	Engineering Drawing	2	1	2	1	9
3.	MEU 07209	Marine Engineering Watchkeeping	2	1	2	1	9
4.	SLU 07211	Basics of Development Studies	2	0	0	2	6
5.	MEU 07210	Maritime English	2	1	0	1	6
6.	MEU 07211	Computer Systems and Applications	2	0	2	0	6
7.	MEU 07212	Matrix Algebra and Vector Analysis	2	1	0	1	6
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

Year 2: **Semester 3**

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credit
			L	T	P	AS	
1.	MTU 07308	Maritime Safety and Security	2	0	2	0	6
2.	MEU 07314	Welding and Fabrication Practice	2	0	4	0	9

3.	MEU 07315	Thermodynamics and Heat Transfer	4	0	2	0	9
4.	SLU 07322	Development Studies	2	1	0	1	6
5.	SLU 07317	Principles of Management and Leadership	2	0	1	1	6
6.	MEU 07316	Electrical Circuits	2	0	4	2	12
7.	MEU 07317	Marine Diesel Engines and Turbines	2	2	4	0	12
Subtotal			**16**	**3**	**17**	**4**	**60**
Total hrs per week			**40**				

Year 2: **Semester 4**

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MEU 07418	Materials Testing and Treatment	2	0	2	0	6
2.	SLU 07426	Research Methodology	2	1	2	1	9
3.	MEU 07419	Marine Auxiliary Machinery	2	2	4	0	12
4.	SLU 07423	Shipping Economics and International Trade	2	1	2	1	9
5.	MEU 07420	Computer Programming with C++ for Marine Engineers	2	1	0	1	6
6.	MEU 07421	Principles of Electrical Engineering	2	0	4	0	9
7.	MEU 07422	Industrial Training II	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

Year 3: **Semester 5**

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

Year 3: **Semester 6**

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credit
			L	T	P	AS	
1.	MEU 07629	Instrumentation, Control and Automation	2	2	2	0	9
2.	MNU 07618	Maritime Law	2	2	0	2	9
3.	MEU 07630	Naval Architecture	4	1	0	1	9
4.	MEU 07631	MATLAB for Marine Engineers	2	1	2	1	9
5.	MEU 07632	Numerical Methods	2	1	0	1	6
6.	MEU 07633	Design of Machine Elements	4	1	0	1	9

7.	MEU 07634	Industrial Training III	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	Scheme of Study Hrs/ Week				Credit
			L	T	P	AS	
1.	SLU 07107	Logistics and Multimodal Transport	2	1	2	1	9
2.	SLU 08105	Statistics and Probability	2	1	2	1	9
3.	MEU 08101	Thermo-refrigeration and Air Conditioning	2	0	2	0	6
4.	MEU 08102	Fluid Machines	4	0	2	0	9
5.	MEU 08103	Stress Analysis	4	1	0	1	9
6.	MEU 08104	General Marine Surveying	2	1	0	1	6
7.	MEU 08105	Computer Aided Design	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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MEU 08207	Engine Room Simulation	2	1	6	1	15
2.	MEU 08208	Environmental Management	4	1	0	1	9
3.	MEU 08209	Marine Electrical Propulsion and High Voltage	4	1	2	1	12
4.	MEU 08210	Research Project	0	0	8	0	12
5.	SLU 08210	Marine Professional Ethics	2	1	0	1	6
6.	ELECTIVE		2	1	0	1	6
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	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLU 08207	Freight and Forwarding Practices	2	1	0	1	6
2.	SLU 08209	Shipping Finance and Accounting	2	1	0	1	6
3.	SLU 08212	Shipping Agency	2	1	0	1	6
4.	MNU 08203	Flag and Port State Control	2	1	0	1	6

4.2.12 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

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

Semester 2

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

3.	SLU 07210	Inventory and Warehouse Management	2	1	2	1	9
4.	SLU 07211	Basics of Development Studies	2		2		6
5.	SLU 07212	Entrepreneurship	2	1	2	1	9
6.	SLU 07213	Logistics Operations and Costing	2		1	1	6
7.	SLU 07214	Industrial Training I					9
	Subtotal		**12**	**5**	**11**	**6**	**60**
	Total hrs per week		**34**				

Semester 3

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLU 07315	Dangerous and hazardous Goods	2		1	1	6
2.	SLU 07316	Shipping Insurance and Salvage	2	1	2	1	9
3.	SLU 07317	Principles of Management and Leadership	2		1	1	6
4.	SLU 07318	Transport and Logistics Environment	2	1	2	1	9
5.	SLU 07319	Environmental Science	2		1	1	6
6.	SLU 07320	E-commerce	2	1	2	1	9
7.	SLU 07321	Customs Procedures and Regulations	2	1	2	1	9
8.	SLU 07322	Development Studies	2		2		6
	Subtotal		**16**	**4**	**12**	**8**	**60**
9.	**Total hrs per week**		**40**				

Semester 4

No	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	MNU 07618	Maritime Law	2	1	2	1	9
2.	SLU 07423	Shipping Economics and International Trade	2	1	2	1	9
3.	SLU 07424	Shipping Finance	2		1	1	6
4.	SLU 07425	Quantitative Approaches to Decisions Making	2	1	2	1	9
5.	SLU 07426	Research Methodology	2	1	2	1	9
6.	SLU 07427	Oil, Gas and Chemical Operations	2	1	2	1	9
7.	SLU 07428	Industrial Training II					9
	Subtotal		**12**	**5**	**11**	**6**	**60**
	Total hrs per week		**34**				

(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

	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLU 08101	Charter Party and Bill of lading	3	1	1	1	9
2.	SLU 08102	Supply Chain Design	2	1	2	1	9
3.	SLU 08103	Logistics System Simulation	2	2	3	1	12
4.	SLU 08104	Shipping Investment Appraisals	2	1	2	1	9
5.	SLU 08105	Statistics and Probability	4	2	1	1	12
6.	SLU 08106	Business Ethics and Corporate Governance	2	1	2	1	9
	Subtotal		**13**	**7**	**9**	**5**	**60**
	Total hrs per week		**34**				

Semester 2

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

Elective Modules (selected one)

	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SLU 08212	Freight Clearing and Forwarding	2		1	1	6
2.	MNU 08203	Flag and Port State Control	2		1	1	6
3.	SLU 08213	Shipping Agency	2		1	1	6
4.	SLU 08214	General Survey	2		1	1	6

NB: ***18 credits will be taken from any 2 elective modules to acquire the minimum 60 Credits***

4.2.13 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

Year 1: ***Semester1***

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

Year 1: ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 07207	Computer Systems and Applications	4	0	2	0	9
2.	NAU 07208	Oceanography, Hydrostatic and Ship Stability	4	1	2	1	12
3.	NAU 07209	Material Science	2	0	1	1	6
4.	NAU 07210	Ship Technology and Hull Design	4	1	2	1	12
5.	NAU 07211	Discreet Mathematics and Linear Algebra	2	1	0	1	6
6.	NAU 07212	Environmental Science	2	1	0	1	6
7.	NAU 07213	Industrial Training I	0	0	6	0	9
Subtotal			**18**	**4**	**13**	**5**	**60**
Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Year 2: ***Semester 3***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 07314	Thermodynamics and Heat Transfer	4	0	1	1	9
2.	NAU 07315	Ship Structures Design and Construction	4	1	2	1	12
3.	NAU 07316	Strength of Materials and Structural Analysis	4	0	1	1	9
4.	NAU 07317	Electrical and Electronics Engineering	4	0	1	1	9
5.	NAU 07318	Matrices, Complex Numbers and Differential Equations	4	1	0	1	9
6.	NAU 07319	Marine Hydrodynamics	4	1	2	1	12
Subtotal			**24**	**3**	**7**	**6**	**60**
Total hrs per week			**40**				

Year 2: ***Semester 4***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 07420	Marine Surveying and Ship Design Skills	4	1	2	1	12
2.	NAU 07421	Finite Element Method	4	1	2	1	12
3.	NAU 07422	Automation and Control	4	1	0	1	9
4.	NAU 07423	Research Methods and Statistical Analysis	2	1	0	1	6
5.	NAU 07424	Business Economics	2	1	0	1	6
6.	NAU 07425	Social Theories of Development	2	1	0	1	6
7.	NAU 07426	Industrial Training II	0	0	6	0	9
Subtotal			**18**	**6**	**10**	**6**	**60**
Total hrs per week			**40**				

Note: Industrial Training will be carried on during vacation

Year 3: ***Semester 5***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 07527	Shipyard Practices	4	1	0	1	9
2.	NAU 07528	Fluid Mechanics and Computational Dynamics	4	0	1	1	9
3.	NAU 07529	Design of Subsea Systems	4	1	2	1	12
4.	NAU 07530	Computer Aided Design (CAD)	2	1	4	1	12
5.	NAU 07531	Marine Technology and Welding	2	1	2	1	9
6.	NAU 07532	Marine Materials and Corrosion	4	1	0	1	9
Subtotal			**20**	**5**	**9**	**6**	**60**
Total hrs per week			**40**				

Year 3: ***Semester 6***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 07633	Numerical Method Techniques	4	1	2	1	12
2.	NAU 07634	MATLAB for Naval Architects and Offshore Engineers	4	1	4	1	15
3.	NAU 07635	Ship and Offshore Production Technology	4	1	2	1	12
4.	NAU 07636	Rural and Urban Development	2	1	0	1	6
5.	NAU 07637	Entrepreneurship Skills	2	1	0	1	6
6.	NAU 07638	Industrial Training III	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

(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

Year 4 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 08101	Offshore Construction	2		1	1	6
2.	NAU 08102	Dynamics of Offshore Structures	2		1	1	6
3.	NAU 08103	Offshore Standards and Recommended Practices	2		1	1	6
4.	NAU 08104	Blue Economy Practice	2		1	1	6
5.	NAU 08105	Project Management	2	1		1	6
6.	NAU 08106	Concepts of Offshore Engineering	2	1		1	6
7.	NAU 08107	Design Project Phase – I	2		1	1	6
Subtotal			**18**	**2**	**11**	**9**	**60**
Total hrs per week			**40**				

Year 4 ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 08208	Offshore Structure Design	2	0	1	1	6
2.	NAU 08209	Sea keeping and Manoeuvring of Ships and Offshore Structures	2	1	0	1	6
3.	NAU 08210	Marine Engine, Auxiliary Machinery and Systems	2	0	1	1	6
4.	NAU 08211	Machinery maintenance and strength analysis	2	0	1	1	6
5.	NAU 08212	Professional Ethical and Regulations	2	1	0	1	6
6.	NAU 08213	Design Project – Phase II	0	0	4	0	6
Subtotal			**10**	**2**	**7**	**5**	**36**
Total hrs per week			**24**				

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

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	NAU 08214	Calculus (Multiple Integral), Vector Analysis and Partial Differential Equations	4	1	1	2	12
2.	NAU 08215	C++ Programming Language	4	1	1	2	12
3.	NAU 08216	Risk and Security on the Ship	4	1	1	2	12
4.	NAU 08217	3D-CAD modelling and assembling	4	1	1	2	12
5.	NAU 08218	Concepts of Geo-Technical Engineering	4	1	1	2	12

4.2.14 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

Year 1: ***Semester1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07137	Logistics and Supply Chain Systems Management	4	2	1	1	12
2.	SMU 07138	National and International Logistics	4		1	1	9
3.	SMU 07139	Introduction to Operation Research	6	2	1	1	15
4.	SMU 07120	Computer Applications	4		1	1	9
5.	SMU 07101	Communication Skills	4		1	1	9
6.	SMU 07118	Engineering Knowledge for Ships	2		1	1	6
	Subtotal		**24**	**4**	**6**	**6**	**60**
	Total hrs per week		**40**				

Year 1: ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07240	Procurement Negotiation Skills	2		1	1	6
2.	SMU 07224	Inventory and Warehouse Management	4		1	1	9
3.	SMU 07206	Development Studies	4		1	1	9
4.	SMU 07512	Research Methodology	2		1	1	6
5.	SMU 07341	Procurement Management and Practice	4				6
6.	SMU 07242	Production and Operations Management	2		1	1	6
7.	SMU 07243	Supply Chain Optimization	4		1	1	9
8.	SMU 07244	Industrial Training I					9
	Subtotal		**22**		**6**	**6**	**60**
	Total hrs per week		**34**				

Year 2: ***Semester 3***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07326	Dangerous and hazardous Goods	4		1	1	9
2.	SMU 07345	Cargo and Goods in Transit Insurance	4		1	1	9
3.	SMU 07328	Principles of Management and Leadership	4		1	1	9
4.	SMU 07330	E-commerce	4		1	1	9
5.	SMU 07331	Customs Procedures and Regulations	4		1	1	9
6.	SMU 07346	Strategic Sourcing and Suppliers Management	2		1	1	6
7.	SMU 07347	Passenger and Livestock Transport	4		1	1	9
	Subtotal		**26**		**7**	**7**	**60**
8.	**Total hrs per week**		**40**				

Year 2: ***Semester 4***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07448	International Law of Carriage of Goods	4		1	1	9
2.	SMU 07615	Shipping Economics and International Trade	4				6
3.	SMU 07433	Quantitative Approaches to Decision Making	4		1	1	9
4.	SMU 07434	Logistics Operations and Costing	4		1	1	9
5.	SMU 07335	Oil, Gas and Chemical Operations	2		1	1	6
6.	SMU 07449	Sales and marketing Management	2		1	1	6
7.	SMU 07450	Principles of Quality Management	4				6
8.	SMU 07451	Industrial Training II					9
Subtotal			**24**		**5**	**5**	**60**
Total hrs per week			**34**				

(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

Year 4 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08117	Green and sustainable Supply Chain	4		1	1	9
2.	SMU 08118	Global Sourcing and Supply chain Collaborations	4		1	1	9
3.	SMU 08119	Entrepreneurship Practices	4		1	1	9
4.	SMU 08111	Logistics System Simulation	6	2	1	1	15
5.	SMU 08120	Financial Investment Analysis in Logistics.	4		1	1	9
6.	SMU 08121	Research Project					9
Subtotal			**22**	**2**	**5**	**5**	**60**
Total hrs per week			**34**				

Year 4 ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08222	Law of Contract and Agency	4		1	1	9
2.	SMU 08223	Management of Accounting	4		1	1	9
3.	SMU 08224	Business Ethics and Corporate Governance	4		1	1	9
4.	SMU 08225	Contemporary Logistics	4		1	1	9
5.	SMU 08226	Public Procurement	4				6
Subtotal			**20**		**4**	**4**	**42**
Total hrs per week			**28**				

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 MODULES

	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08207	Freight and Forwarding Practice	2	2	1	1	9
2.	MTU 08203	Flag and Port State Control	2	2	1	1	9
3.	MEU 08104	General Survey	2	2	1	1	9

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

(c) 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

Year 1: ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07137	Logistics and Supply Chain Systems Management	4	2	1	1	12
2.	SMU 07152	Transport Planning and Traffic Management	4		1	1	9
3.	SMU 07153	Transport Economics	4	2	2	2	15
4.	SMU 07120	Computer Applications	2	2	1	1	9
5.	SMU 07101	Communication Skills	4		1	1	9
6.	SMU 07154	Transport Safety and Security	2		1	1	6
	Subtotal		**20**	**6**	**7**	**7**	**60**
	Total hrs per week		**40**				

Year 1: ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07255	Logistics and Intermodal Transport	4		1	1	9
2.	SMU 07206	Development Studies	2	2	1	1	9
3.	SMU 07256	Maritime Transport Management	4		1	1	9
4.	SMU 07257	Road Transport Management	4		1	1	9
5.	SMU 07258	Railway Transport Management	4		1	1	9
6.	SMU 07512	Research Methodology	2		1	1	6
7.	SMU 07259	Industrial Training I					9
	Subtotal		**20**	**2**	**5**	**5**	**60**
	Total hrs per week		**32**				

Year 2: ***Semester 3***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07346	Strategic Organisation and Planning in Logistics and Transport	4	1	2	1	12
2.	SMU 07326	Dangerous and hazardous Goods	4		1	1	9
3.	SMU 07360	Transportation and Warehousing Management	4		2	2	12
4.	SMU 07328	Principles of Management and	4		1	1	9

		Leadership					
5.	SMU 07331	Customs Procedures and Regulations	4		1	1	9
6.	SMU 07347	Passenger and Livestock Transport	4		1	1	9
	Subtotal		**24**	**1**	**8**	**7**	**60**
	Total hrs per week		**40**				

Year 2: ***Semester 4***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 07461	Air Transport Management	2		1	1	6
2.	SMU 07462	Pipeline Transport Management	2		1	1	6
3.	SMU 07463	Strategic Sourcing and Suppliers Management	4		1	1	9
4.	SMU 07464	Marketing of Transport Services	4		1	1	9
5.	SMU 07448	International Law of Carriage of Goods	4		1	1	9
6.	SMU 07433	Quantitative Approaches to Decision Making	4		1	1	9
7.	SMU 07465	Industrial Training II					9
	Subtotal		**18**	**2**	**7**	**7**	**60**
	Total hrs per week		**34**				

(d) 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

Year 4 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08127	Urban and Rural Transport Management and Operations	4	2	1	1	12
2.	SMU 08128	Freight Transport Operations	4		1	1	9
3.	SMU 08117	Green and Sustainable Logistics and Supply Chain	4		1	1	9
4.	SMU 08119	Entrepreneurship Practices	2	2	1	1	9
5.	SMU 08129	Financial Management and Accounting	4	2	1	1	12
6.	SMU 08130	Research Project					9
Subtotal			**18**	**6**	**5**	**5**	**60**
Total hrs per week			**34**				

Year 4 ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08223	Law of Contract and Agency	4		1	1	9
2.	SMU 08231	Supply Chain Design and Simulation	4		1	1	9
3.	SMU 08225	Business Ethics and Corporate Governance	2		1	1	6
4.	SMU 08232	Contemporary Logistics and Transport	2		1	1	6
5.	SMU 08233	Freight and Passenger Insurance	2		1	1	6
6.	SMU 08234	Transport Network and Design	2		1	1	6
Subtotal			**16**		**5**	**5**	**42**
Total hrs per week			**26**				

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 MODULES

	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMU 08207	Freight and Forwarding Practice	2	2	1	1	9
2.	MTU 08203	Flag and Port State Control	2	2	1	1	9
3.	MEU 08104	General Survey	2	2	1	1	9

4.2.16 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

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	OGU 07101	Basic Safety at Sea	1		1		3
2	OGU 07102	Petroleum Chemistry	2	1		1	6
3	OGU 07103	Workshop Technology and Practice	2		2		6
4	OGU 07104	Basic of Well Logging	2		1	1	6
5	OGU 07105	Material Science and Technology	2		2		6
6	OGU 07106	Basic of Technical Drawing	2		2		6
7	OGU 07107	Welding and Fabrication	2			2	6
8	OGU 07108	Elementary Calculus	2		2	2	9
9	OGU 07109	Geophysical Exploration Technology	2		2		6
10	OGU 07110	Basic of Oil and Gas Field Development	2			2	6
Subtotal			19	1	12	8	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	OGU 07211	Industrial Health, Safety and Environmental Protection	2	2			6
2	OGU 07212	Oil and Gas Law and Regulations	2	2			6
3	OGU 07213	Fundamental of Reservoir Engineering	2		2		6
4	OGU 07214	Fundamental of Oil and Gas Protection	2		2	2	9
5	OGU 07215	Computer System and Applications	2		4		9
6	OGU 07216	Fundamentals of Oil and Gas Economics	2		2		6
7	OGU 07217	Instrumentation and Control	2		2		6
8	OGU 07218	Industrial Training I			10		12
Subtotal			14	4	22	2	
Total Hrs/per week			42				

Note: Industrial Training will be carried on during vacation

Semester 3

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	OGU 07319	Communication Skills	2	1		1	6
2	OGU 07320	Basic of Petroleum Engineering	2		2		6
3	OGU 07321	Petroleum Geology and Geophysical Exploration	2		2		6
4	OGU 07322	Engineering Drawing	2		2		6
5	OGU 07323	Reservoir Fluid Properties	3		3		9
6	OGU 07324	Thermodynamics and Heat Transfer	2		2		6
7	OGU 07325	Logistics and Supply Chain Systems Management	2		2		6
8	OGU 07326	Well Logging and Formation Evaluation	4	1	3	2	15
Subtotal			19	2	16	3	**60**
Total Hrs per week			**40**				

Semester 4

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	OGU 07427	Development Studies	2	1		1	6
2	OGU 07428	Fundamentals of Drilling Engineering	2		2		6
3	OGU 07429	Fundamentals of Petroleum Production Engineering	2		2	2	9
4	OGU 07430	Gas Reservoir Engineering	2		2		6
5	OGU 07431	Oil and Gas Pipeline Technology	2		2		6
6	OGU 07432	Basics of Petroleum Reservoir Engineering	2		2	2	9
7	OGU 07433	Probability and Statistics	2	1	2	1	9
8	OGU 07434	Industrial Training II			6		9
Subtotal			14	2	18	6	**60**
Total Hrs/per week			40				

Note: Industrial Training will be carried on during vacation

Semester 5

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

Semester 6

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	OGU 07643	Business Economics	2	1		1	6
2	OGU 07644	Engineering Mechanics	4	1		1	9
3	OGU 07645	Fundamental of Petroleum Engineering Design	2		4	2	12
4	OGU 07646	Natural Gas Engineering	2		2	2	9
5	OGU 07647	Numerical Methods	2	1		1	6
6	OGU 07648	Liquefied Natural Gas (LNG) Technology	2		2	2	9
7	OGU 07649	Industrial Training III			6		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

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

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	OGU 8210	Advanced Drilling Engineering	2	2	2	2	12
2	OGU 8211	Maintenance Management of Machinery	2	1	2	1	9
3	OGU 8212	Management of Oil and Gas Projects	4	1	2	1	12
4	OGU 8213	Ethical Conducts and Engineering Procedures	2	1	1		6
5	OGU 8214	Project Phase II				6	9
Subtotal			10	5	7	10	48
Total Hrs/per week			**32**				

ELECTIVE MODULES

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

4.2.17 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

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

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MMU 07211	Advanced Safety at Sea	1		1		3
2	MMU 07212	Marine Auxiliary Machinery and Systems	2	1		1	6
3	MMU 07213	Elementary of Material Science	2	1		1	6
4	MMU 07214	Basic of Computer Aided Drafting	2	1	1		6
5	MMU 07215	Basics of Maritime Law	2				3
6	MMU 07216	Thermodynamics and Heat Transfer	2	1	1		6
7	MMU 07217	Electro-technology	2		2		6
8	MMU 07218	Basic Machine Elements Design	2	1	1		6
9	MMU 07219	Instrumentation, Control and Automation	2				3
10	MMU 07220	Maintenance of Marine Auxiliary Machinery	2	1	1		6
11	MMU 07221	Industrial Practical Training I					9
Subtotal			19	6	7	2	60
Total Hrs/per week			**34**				

Note: Industrial Training will be carried on during vacation

Semester 3

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	MMU 07322	Communication Skills	2	1		1	6

2	MMU 07323	Matrix Algebra and Vector Analysis	2	1		1	6
3	MMU 07324	Solid Mechanics	3		2	1	9
4	MMU 07325	Materials Technology	2		3	1	9
5	MMU 07326	Engineering Statistics	4		1	1	9
6	MMU 07327	Development Studies	2	1		1	6
7	MMU 07328	Fluid Mechanics	2		1	1	6
8	MMU 07329	Naval Architecture	3		2	1	9
Subtotal			20	3	9	8	60
Total Hrs per week			**40**				

Semester 4

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MMU 07430	Calculus	2	1		1	6
2	MMU 07431	Numerical Methods	2	1		1	6
3	MMU 07432	Principles of Management	2	1		1	6
4	MMU 07433	Shipping Economics and International Trade	2	1		1	6
5	MMU 07434	Engineering Dynamics	4	1		1	9
6	MMU 07435	Design of Machine Elements	4		1	1	9
7	MMU 07436	Computer Aided Drafting	2		3	1	9
8	MMU 07437	Industrial Practical Training II					9
Subtotal			18	5	4	7	60
Total Hrs/per week			**34**				

Note: Industrial Training will be carried on during vacation

Semester 5

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	MMU 07538	Mechanical Engineering Design	2	1	4	1	12
2	MMU 07539	Maintenance of Propulsion Machinery	2	1	4	1	12
3	MMU 07540	Industrial Electronics	2	1	2	1	9
4	MMU 07541	Shipbuilding Technology	2	1	2	1	9
5	MMU 07542	Research Methodology	2	1	2	1	9
6	MMU 07543	Basic of Electrical Engineering	2	1	2	1	9
Subtotal			12	6	16	6	60
Total Hrs per week			**40**				

Semester 6

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MMU 07644	Marine Survey	4	1	2	1	12
2	MMU 07645	Maritime Law	2	2		2	9
3	MMU 07646	Entrepreneurship	2	1		1	6
4	MMU 07647	Project Management	4	2		2	12
5	MMU 07648	Group Design Project					12
6	MMU 07649	Industrial Practical Training III					9
Subtotal			12	6	2	6	
Total Hrs/per week			26				**80**

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

No	**Code**	**Module Title**	**Scheme of study Hrs/Week**				**Credits**
Semester 1							
S/N			**L**	**T**	**P**	**AS**	
1	MMU 08101	Quantitative Methods	2	1		1	**6**
2	MMU 08102	Thermo-Refrigeration and Air Conditioning	2	1	1		**9**
3	MMU 08103	Fluid Machinery	2	1	2	1	**9**
4	MMU 08104	Computer Aided Design	2		2		**9**
5	MMU 08105	Engine Room Simulation	2		4		**9**
6	MMU 08106	Mechanical Vibrations			2		**9**
7	MMU 08107	Computational Fluid Dynamics	4	1		1	**9**
Subtotal			**22**	**4**	**11**	**3**	**60**
Total hrs per week			**40**				

Semester 2							
No	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				**Credits**
			L	**T**	**P**	**AS**	
1	MMU 08208	Environmental Management	4	2		2	12
2	MMU 08209	Manufacturing Processes and Industrial Automation	4	2		2	12
3	MMU 08210	Final Project					12
Subtotal			**8**	**4**		**4**	**36**
Total hrs per week			**24**				

ELECTIVE MODULES

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MMU 08211	Dynamic and Control	4	2		2	12
2	MMU 08212	Industrial Management	4	2		2	12
3	MMU 08213	Business of Shipping	4	2		2	12
4	MMU 08214	Shipping Finance and Accounting	4	2		2	12
5	MMU 08215	Flag and Port State Control	4	2		2	12
6	MMU 08216	Ship Agency	4	2		2	12

4.2.18 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

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	MEU 07146	Communication Skills for Engineers	2	1		1	6
2	MEU 07147	Matrix, algebra and Vector Analysis for Engineers	2	1		1	6
3	MEU 07148	Engineering Statics	4	1		1	9
4	MEU 07149	Electric Circuits	6	1	2	1	15
5	MEU 07101	Workshop Technology and Practice	2		6		12
6	MEU 07125	Engineering Drawing	2	1	1		6
7	MEU 07150	Computer systems and Application	2	1	1	0	6
			20	6	10	4	**60**
Total Hrs per week			**40**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	MEU 07251	Engineering Dynamics	4	1		1	9
2	MEU 07252	Electrical and Electronics workshop Practice	2		6		12
3	MEU 07253	Development Studies	2	1		1	6
4	MEU 07254	Technical Computing with Matlab	2		2		6
5	MEU 07255	Calculus and Differential Equations for Engineers	2	1			5
6	MEU 07256	Electrical Principles and Technology	2		2		6
7	MEU 07257	Electronics Device and Devices and Circuits	2	1	1	1	7
8	MEU 07258	Industrial Training I					9
Subtotal			**16**	**4**	**17**	**3**	**60**
Total Hrs/per week			**40**				

Note: Industrial Training will be carried on during vacation

Semester 3

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	MEU 07305	Thermodynamics and Heat Transfer	2	1	0	1	6

2	MEU 07336	Strength of Material	2	1	0	1	6
3	MEU 07359	Electrical Machines	4	0	3	0	11
4	MEU 07360	Electronics Circuit Design	2	1	1	0	6
5	MEU 07361	Statistics and Probability for Engineers	2	1	0	0	4
6	MEU 07309	Fluid Mechanics	2	1		1	6
7	MEU 07307	Design of Machine Elements	4		4		12
8	MEU 07306	Material Technology	4	1		1	9
Subtotal			**22**	**6**	**8**	**4**	**60**
Total Hrs per week			**40**				

Semester 4

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

Note: Industrial Training will be carried on during vacation

Semester 5

S/N	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				
			L	T	P	AS	Credits
1	MEU 07569	Industrial Automation	4	0	2	0	9
2	MEU 07549	Research Methodology	2	1	0	1	6
3	MEU 07570	Mechatronics System Design	4	1	3	0	12
4	MEU 07571	Artificial Intelligence	2	1	2	1	9
5	MEU 07572	Design of Control Systems	4	1	2	1	12
6	MEU 07573	Machine Parts Assembling	4	1	2	1	12
Subtotal			**20**	**5**	**11**	**4**	**60**
Total Hrs per week			**40**				

Semester 6

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

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

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				
			L	T	P	AS	Credits
1	MEU 08232	Embedded Systems	4	1	2	1	12
2	MEU 08233	Heat, Ventilation, Refrigeration and Air Conditioning	2		2		6
3	MEU 08234	Project Management	2	1		1	6
4	MEU 08235	Engineering Economic Analysis	2	1		1	6
5	MEU 08236	Dissertation/ Design Project			8		12
Subtotal			10	3	12	3	42
Total Hrs/per week			**28**				

ELECTIVE MODULES

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

4.2.19 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

Year 1 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 0910	Shipping Business and Services Marketing	4		1	1	9
2.	SMG 09102	Logistics and Supply Chain Systems	4		1	1	9
3.	SMG 09103	Strategic Procurement and Inventory Management	2		1	1	6
4.	SMG 09104	Maritime Economics	4		1	1	9
5.	SMG 09105	Shipping Technology, Innovation and Survey	4		1	1	9
	Subtotal		**18**		**5**	**5**	**42**
	Total hrs per week		**40**				

Year 1 ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09206	Shipping Economics	4		1	1	9
2.	SMG 09207	Applied Business Statistics and Operations Research	2	2	1	1	9
3.	SMG 09208	Shipping Finance and Accounting Management	2	2	1	1	9
4.	SMG 09209	Shipping Derivatives and Risk Management	2		1	1	6
5.	SMG 09210	Strategic Human Resource Management	2		1	1	6
	Subtotal		**12**		**5**	**5**	**39**
	Total hrs per week		**22**				

Year 2 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09311	Port Economics	4		1	1	9

2.	SMG 09312	Research Methodology	2		1	1	6
3.	SMG 09313	Maritime Law	2	2	1	1	9
4.	SMG 09314	Managerial Economics	2	1	1	2	9
	Subtotal		**10**	**4**	**4**	**4**	**33**
	Total hrs per week		**22**				

Electives (one Module)

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09315	Intermodal Transport Systems	2		1	1	6
2.	SMG 09316	Strategic Management	2		1	1	6
3.	SMG 09317	Entrepreneurship Practices	2		1	1	6
4.	SMG 09418	Passenger and Livestock Transport	2		1	1	6

Year 2 ***Semester 2***

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

Total minimum credits required at this level is 180

4.2.20 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

Year 1 ***Semester 1***

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

Year 1 ***Semester 2***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09225	Business Forecasting and Optimization Methods	3	1	1	1	9
2.	SMG 09226	Financing and Accounting of Transport and Supply chain Systems.	2	1		1	6
3.	SMG 09227	Inventory and Warehouse Management	2		1	1	6
4.	SMG 09228	Maritime Transport Operations Management	2	1		1	6
5.	SMG 09229	Rail Transport Operations Management	2		1	1	6
6.	SMG 09230	Road Transport Operations Management	2	1		1	6
	Subtotal		**14**		**6**	**6**	**39**
	Total hrs per week		**26**				

Year 2 ***Semester 1***

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09331	Air Transport Operations Management	2		1	1	6
2.	SMG 09332	Pipeline Transport Operations Management	2		1	1	6
3.	SMG 09333	Legal Aspects of Transport and Insurance	3	1	1	1	9
4.	SMG 09317	Entrepreneurship Practices	2	1		1	6
5.	SMG 09312	Research Methodology	2	1		1	6
	Subtotal		**11**	**3**	**3**	**5**	**33**
	Total hrs per week		**22**				

Electives (one Module)

S/N	Code	Module Title	Scheme of Study Hrs/ Week				Credits
			L	T	P	AS	
1.	SMG 09334	Transport Geography and Network Analysis	2		1	1	6
2.	SMG 09335	Urban and Rural Transport Operations Management	2		1	1	6
3.	SMG 09209	Shipping Derivatives and Risk Management	2		1	1	6
4.	SMG 09315	Intermodal Transport	2		1	1	6
5.	SMG 09316	Strategic Management	2		1	1	6

Total minimum credits required at this level is 180

Year 2 ***Semester 2***

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

4.2.21 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

No	Code	Module Title	Scheme of study Hrs/Week			Credits	
Semester 1							
S/N			**L**	**T**	**P**	**AS**	
1	MEG 09101	Ship Performance Optimization	2	1	0	1	**6**
2	MEG 09102	Marine Design with CAD	2	2	4	0	**12**
3	MEG 09103	Ship Design Management	2	1	0	1	**6**
4	MEG 09104	Management of Marine Power Systems	2	1	2	1	**9**
5	MEG 09105	Maritime Energy Management	2	1	0	1	**6**
Subtotal			**10**	**6**	**6**	**4**	**39**
Total hrs per week			**26**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	MEG 09206	Shipboard Monitoring and Control Systems	2	1	2	1	9
2	MEG 09207	Marine Maintenance and Asset Management	2	1	0	1	6
3	MEG 09208	Maritime Project Management	2	1	1	0	6
4	MEG 09209	Dynamic Modelling and Simulation of Marine Systems	2	1	4	1	12
5	MEG 09210	Marine Computational Intelligence	2	1	4	1	12
Subtotal			**10**	**5**	**11**	**6**	**45**
Total hrs per week			**30**				

Semester 3

No	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	MEG 09311	Programming with MATLAB	2	1	2	1	9
2	MEG 09312	Research Skills and Statistical Methods	2	1	0	1	6
3	MEG 09313	Safety and Environmental Engineering Management	2	1	0	1	6
4	SEG 09209	Pipeline Transport Operations Management	2	1	0	1	6
5	ELECTIVE		2	2	0	2	9
Subtotal			**10**	**6**	**2**	**6**	**36**
Total hrs per week			**30**				

Electives

No	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	MEG 09314	Sustainable Maritime Business	2	1	0	1	9
2	MEG 09315	Regulatory Framework and Marine Survey	2	1	0	1	9
3	SEG 09313	Maritime Law	2	1	0	1	9
4	SEG 09104	Maritime Economics	2	1	0	1	9
Subtotal							
Total hrs per week							

Semester 4

No	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1	MEG 09416	Dissertation	0	0	40	0	60
Subtotal			0	0	40	0	60
Total hrs per week			**40**				

4.2.22 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

No	**Code**	**Module Title**	**Scheme of study Hrs/Week**			**Credits**
Semester 1						
S/N			L	T	AS	
1	IMG 09101	Conflict of laws	4	2	1	12
2	IMG 09102	Shipping Finance and Ship Registrations	4	1	0	9
3	1MG 09103	Carriage of Goods by Sea	4	1	1	9
4	1MG 09104	Marine Insurance and General Average	4	1	1	9
5	1MG 09105	Maritime Safety and Security	2	1	1	6
Subtotal			**18**	**6**	**4**	**45**
Total hrs per week			**30**			

Semester 2						
No	**Code**	**Module Title**	**Scheme of Study Hrs/Week**			**Credits**
			L	**T**	**AS**	
1	IMG 09206	International Trade Governance	4	1	1	9
2	IMG 09207	Trade and Letter of Credits	4	1	1	9
3	IMG 09208	Multimodal Transportation	4	2	2	12
4	IMG 09209	Research Methodology	2	1	1	6
5	IMG 09210	International Competition Law	4	1	1	9
Subtotal			**18**	**6**	**6**	**45**
Total hrs per week			**30**			

Semester 3						
No	**Code**	**Module Title**	**Scheme of Study Hrs/Week**			**Credits**
			L	**T**	**AS**	
1	SMG 09317	Entrepreneurship	2	1	1	6
2	IMG 09310	E- Commerce	2	1	1	6
3	IMG 09311	Trade and Intellectual Property	2	1	1	6
4	ELECTIVE		2	1	1	6
Subtotal			**8**	**4**	**4**	**24**
Total hrs per week			**16**			

Electives						
No	**Code**	**Module Title**	**Scheme of Study Hrs/Week**			**Credits**
			L	**T**	**AS**	
1	IMG 09314	Sustainable Maritime Business	2	1	1	6
2	IMEG 09315	Regulatory Framework and Marine Survey	2	1	1	6
3	SMG 09313	Maritime Law	2	1	1	6

Semester 4							
No	**Code**	**Module Title**	**Scheme of Study Hrs/Week**				**Credits**
			L	**T**	**P**	**AS**	
1	IMG 09418	Dissertation	0	0	0	0	60
Subtotal			0	0	0	0	60
Total hrs per week			**40**				

4.2.23 Master Degree in Maritime Transport and Nautical Science

1.1 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.

1.2 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

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1.	MTG 09101	Maritime Safety and Security Management	2	1	2	1	9
2.	MTG 09102	Navigation and Bridge Management	2	1	4	1	12
3.	MTG 09103	Legislation and International Codes	2	1	2	1	9
4.	MTG 09104	Ship Manoeuvring and Control	2	1	2	1	9
	Subtotal		10	6	4	6	**39**
	Total hrs per week		**26**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1.	MTG 09205	Propulsion and Auxiliary Systems Management	2	1	2	1	9
2.	MTG 09206	Marine Pollution Prevention and Management	2	1	0	1	6
3.	MTG 09207	Research Methodology	2	2	2	2	12
4.	MTG 09208	Maritime Economics and Shipping Business	2	1	2	1	9
5.	MTN 09209	Management of Ports and Terminals	2	1	2	1	9
	Subtotal		10	6	8	6	**45**
	Total hrs per week		**30**				

Semester 3

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

Electives

S/N	Code	Module Title	Scheme of Study Hrs/Week				Credits
			L	T	P	AS	
1.	MTG 09314	Maritime Accident and Investigation Management	2	1	0	1	6
2.	MTG 09315	Entrepreneurship Practice	2	1	0	1	6
3.	MTG 09316	Maritime Inspection and Documentation	2	1	0	1	6
4.	MTG 09317	Maritime Project Management	2	1	0	1	6
	Subtotal						
	Total hrs per week						

Semester 4

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

4.3 Certificate of Competency (CoC) Programmes

4.3.1 Maritime Transport Department

4.3.1.1 Officer in Charge of a Navigational Watch 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

S/N	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	TON 2101	Chart Work	5		1		6
2.	TON 2102	Practical Navigation	5		1		6
3.	TON 2103	Meteorology	5				5
4.	TON 2104	Signalling	3		2		5
5.	TON 2105	General Ship Knowledge	5				5
6.	TON 2106	Watchkeeping (Orals)	5				5
7.	TON 2107	Maritime Law	4		1		5
Subtotal			**32**		**5**		**37**
Total hrs per Week			**37**				

4.3.1.2 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

No	Code	Module Title	Scheme of Study Hrs/ Week				Total Hours
			L	T	P	AS	
1.	TON 2108	Business and Law	6	1		1	8
2.	TON 2109	Ship Stability	5		1	2	8
3.	TON 2110	Compasses	5		3		8
4.	TON 2111	Information Technology	4		3	1	8
Subtotal			**20**	**1**	**7**	**4**	
Total hrs per Week			**32**				

4.3.1.3 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

S/N	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	TO 2101	Coastal Navigation	4	2	2		8
2.	TO 2102	Meteorology	4	1	2		7
3.	TO 2103	Watchkeeping	4	2			6
4.	TO 2104	Signalling	2		1		3
5.	TO 2105	Ship Construction	3			1	4
6.	TO 2106	Mathematics	4			2	6
7.	TO 2107	Applied Science	4			2	6
Subtotal			**25**	**5**	**5**	**5**	
Total hrs per Week			**40**				

Semester 2

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

4.3.1.4 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

S/N	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	TM 101	Navigation	4				4
2.	TM 102	Navigation Instrumentation	2				2
3.	TM 103	Watchkeeping	2			2	4
4.	TM 104	Meteorology	2				2
5.	TM 105	Engineering and control systems	2				2
6.	TM 106	Shipboard Operations	2			2	4

7.	TM 207	Ship Construction and Stability	4		1	1	6
8.	TM 208	Business and Law	2				2
9.	TM 209	Operation Management of maritime Organizations	2			2	4
10.	TM 210	Information Technology	2		1		3
11.	TM 211	Shipping Economics	2		1		3
12.	TM 212	Electronic Navigation Systems	2		1		3
Subtotal			**28**		**4**	**8**	
Total hrs per Week			**40**				

4.3.1.5 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

No	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	TM 1101	Navigation	5		2		7
2.	TM 1102	Navigation Instrumentation	4	2			6
3.	TM 1103	Watchkeeping	5	1	2	1	9
4.	TM 1104	Meteorology	5				5
5.	TM 1105	Engineering and control systems	4	1			5
6.	TM 1106	Shipboard Operations	7	1			8
Subtotal			**30**	**5**	**4**	**1**	
Total hrs per Week			**40**				

Semester 2

No	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	TM 1207	Ship Construction and Stability	8			3	11
2.	TM 1208	Business and Law	6			1	7
3.	TM 1209	Operation Management of Maritime Organizations	6	2			8
4.	TM 1210	Information Technology	2		2		4
5.	TM 1211	Shipping Economics	4				4
6.	TM 1212	Electronic Navigation Systems	3	1	2		6
Subtotal			**29**	**3**	**4**	**4**	
Total hrs per Week			**40**				

4.3.2 Marine Engineering Department

4.3.2.1 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	Code	Module Title	Scheme of Study Hrs/ Week			
			L	P	AS	Total Hrs
1.	EO 201	Mathematics	2		1	3
2.	EO 202	English	2			2
3.	EO 203	Mechanics	2		1	3
4.	EO 204	Thermodynamics	2			2
5.	EO 205	Engineering Drawing	2			2
6.	EO 206	Workshop Practice	2	4		6
7.	EO 207	Diesel Engine	2	1		3
8.	EO 208	Instrumentation and Control	2			2
9.	EO 209	Marine Engineering Practice	2	3		5
10.	EO 210	Electro-technology	2	2	1	5
11.	EO 211	General Engineering Knowledge	4		2	6
Subtotal			**24**	**10**	**5**	
Total hours per Week			**39**			

4.3.2.2 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	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	EOE 2101	Mathematics	3			1	4
2.	EOE 2102	Maritime English	3			1	4
3.	EOE 2103	Applied Science	3			1	4
4.	EOE 2104	Electro-technology	4		8	2	14
5.	EOE 2105	Computer Application and Networking	3		4	1	8
Subtotal			**16**		**12**	**6**	
Total hours per Week			**34**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	EOE 2206	Maritime Management	2				2
2.	EOE 2207	Instrumentation and Control	2		2	1	5
3.	EOE 2208	Maritime Law	2				2
4.	EOE 2209	Electronics	2		2		4
5.	EOE 2210	Shipboard Machinery	4		4	1	9
6.	EOE 2211	Maintenance of Electrical and Electronic Equipment	4		10	3	17
Subtotal			**16**		**18**	**5**	
Total hrs per Week			**39**				

4.3.2.3 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	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	EO 2101	Mathematics	2			1	3
2.	EO 2102	Maritime English	2			1	3
3.	EO 2103	Applied Science	2			1	3
4.	EO 2104	Thermo Refrigeration and Air Conditioning	2		1		3
5.	EO 2105	Engineering Drawing	2				2
6.	EO 2106	Naval Architecture	2				2
7.	EO 2107	Ship Construction	3			1	4
8.	EO 2108	Workshop Technology and Practice	4		6		10
9.	EO 2109	Motor Engineering Knowledge	4		2	1	7
Subtotal			**23**		**9**	**5**	
Total hours per Week			**37**				

Semester 2

S/N	Code	Module Title	Scheme of Study Hrs/ Week				
			L	T	P	AS	Total Hrs
1.	EO 2210	Engine Room Watchkeeping	2				2
2.	EO 2211	Instrumentation and Control	4		1	1	6
3.	EO 2212	Maintenance of Marine Machinery	2	1	4	1	8
4.	EO 2213	Electro-technology	4		3	1	8
5.	EO 2214	General Engineering Knowledge	4	2	4	1	11
6.	EO 2215	Maritime Law	2				2
7.	EO 2216	Maritime Management	2				2
Subtotal			**20**	**3**	**12**	**4**	
Total hours per Week			**39**				

4.3.2.4 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				
			L	T	P	AS	Total Hrs
1.	EM 101	Applied Heat	2				2
2.	EM 102	Applied Mechanics	2				2
3.	EM 103	Information Technology	2				2
4.	EM 104	Marine Engineering Knowledge	3			1	4
5.	EM 105	Naval Architecture	1				1
6.	EM 106	Ship Construction	1				1
7.	EM 107	Automation and Control	2			1	3
8.	EM 108	Shipping Economics	2				2
9.	EM 109	Maritime Law	2				2
10.	EM 110	Electrical Machines	2		2		4
11.	EM 111	Maintenance Management	2		1		3
12.	EM 112	Marine Diesel Engine	2		1	1	4
13.	EM 113	Maritime Management	2				2
Subtotal			**25**		**4**	**3**	
Total hours per Week			**32**				

4.3.2.5 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				
			L	T	P	AS	Total Hrs
1.	EM 1101	Applied Heat	2	1		1	4
2.	EM 1102	Applied Mechanics	2			1	3
3.	EM 1103	Information Technology	1		2	1	4
4.	EM 1104	Marine Engineering Knowledge	6		5	1	12
5.	EM 1105	Naval Architecture	2	1		1	4
6.	EM 1106	Ship Construction	2			1	3
7.	EM 1107	Automation and Control	4		2	1	7
Subtotal			**19**	**2**	**9**	**7**	
Total hours per Week			**37**				

Semester 2

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

a. 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.

b. 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.

c. 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 or his/her delegate is satisfied that a student will be unable to sit for an examination on its due date due to medical reasons, death of close relative (parent/guardian, husband, wife, child, mother or father).

NB: the student who fails to pay his/her tuition fee will not be granted to sit for special examination. Absence from examination without authorized reasons will not be granted for special examination

ii. A student who will be allowed to sit for special examination shall be granted a special examination on the ground of illness arising at the time of the examination as testified by a qualified medical practitioner.

iii. 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, except that s/he will not be allowed to do supplementary in case s/he fails that special examination. Therefore the student will carry module or retake.

iv. 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 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 on September.

5.2.4 Guidelines and Procedures for Carry overs

i. Who 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 at the exit point fails to pass all module(s) successfully.

ii. 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 Course or Courses; satisfy all the requirements for the Coursework Component in the Course or Courses; and sit for the semester Examinations in the Course or Courses.
b. A student shall retake the failed modules 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 from studies.
e. A student shall be discontinued if he/she failed the retaking module(s)
f. A candidate who has been discontinued on academic grounds shall not be readmitted until after two years.
g. A student is required to register for carryover module(s) first before registering for new modules offered in that semester.
h. 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 Average (CGPA).
i. Whenever a Course has been retaken, the Academic Transcript shall indicate so accordingly.

iii. Retaking 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 current level. Therefore, in order to clear those modules a candidate shall retake that module(s) within the 12 months of the following academic year.
b. A student in NTA 9 programme shall be allowed to carry-over modules failed during supplementary examinations provided that his/her overall coursework 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 who has a module to retake and this module falls beyond the set normal semester load for their academic programmes shall pay tuition fees for the course(s) to be retaken and administrative cost. Besides, such student also pays the fees as per cost per module formula.

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

$$Cost\ per\ Module = \frac{Tuition\ Fee}{Total\ Credit} xCredit\ of\ Module\ to\ Carry - Over$$

$$Cost\ per\ Module = \left(\frac{Tuition\ Fee}{Total\ Credit} xCredit\ of\ Module\ to\ Re - take\right) + Administrative\ Cost$$

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.

v. Procedure for re-taking Student to registered in the Failed 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 (IV).
b) After payment a student is required to register into students database (OSIM) in the respective class and module(s).
c) 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 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 Committee of the Board of Governors 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 Board of Governors on matters concerning examinations is final.

1.1.1 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 Examination U by end of September.

1.2 Conduct of Examinations

a. The Examinations Unit shall issue students with examination numbers. Student should show identification card issued by the Institute to the invigilator as evidence.

b. A person, other than a student, an invigilator, supervisor or other authorized person may not enter an examination room.

c. Students shall not enter the examination room until the invigilator gives them permission to do so.

d. A student will be allowed to enter examination rooms 30 minutes before the examination begins. No student shall leave the examination room during the first 30 minutes or the last 30 minutes of the examination. In case of health reasons proof will be needed from a medical doctor and this should be communicated to the Dean of Students before the start of the examination. After thirty minutes, no student who was absent in the first thirty minutes will be allowed to enter into the examination room.

e. 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 of sub-rule (e) above shall be regarded as having failed the examination.

f. A student shall not, except with the explicit permission of the examiner 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.

g. A student having entered the examination room shall not communicate with any person other than the invigilator or an examiner.

h. A student shall comply with all written instructions regarding an examination.

i. A student shall not cheat or attempt to cheat during an examination, or attempt to do anything intended to assist another student to cheat.

j. 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.

1.3 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.

1.4 Absence from Examination

a. A student who absents himself/herself (unauthorized absence) from an examination without compelling reasons shall be discontinued from the Institute.

b. A student who is absentee during the end of semester examinations and provides reasons that are beyond doing special exams; he/she shall be allowed to postpone the year. If the student is incapable of join the programmes during the next year its registration shall cease and will be terminated from studies.

1.5 Dates and Duration of Examinations

i. Dates of examinations shall be indicated by Examinations Unit in the time table in the 13^{th} week of the semester.

ii. Duration for end of semester examinations shall be two hours for NTA 4, two and half hours for NTA 5-6 and three hours for NTA 7 - 9.

1.6 Provisional results publication

a. The provisional results of students in every examination shall be published by the Departments soon after the Institute's Academic Committee meeting but the results shall be provisional until the Academic Council approves them.

b. Examination results shall be published immediately after the approval of the Academic Council. The results shall be uploaded on online student's information system (OSIM).

c. The Institute shall not, except in its absolute discretion, communicate with students or parents, or any other person claiming to act on behalf, on matters related to examination results.

Progress from Year to Year (Semester to Semester)

a. A student shall be allowed to proceed to the next year as a continuing student after passing all the examinations for the year.

b. A student in NTA levels 4-8 getting a GPA less than 2.0 shall be discontinued from studies. A student in NTA Level 9 programme by coursework and dissertation, getting overall GPA less than 2.5 in the coursework shall be discontinued from studies.

c. A Student attaining a GPA greater than or equal to 2.0 and greater than or equal to 2.5 for NTAs 4-8 and NTA 9 respectively to be allowed to sit for supplementary examinations. After supplementary the GPAs of 2.0 and 3.0 must be attained for NTAs 4-8 and NTA 9, respectively. A student in NTA Level 4-8 attaining a GPA less than 2.0 after supplementary examinations shall be discontinued from studies.

d. A student in NTA 4-8 and NTA 9 getting a GPA of 2.0 and 2.5 or above respectively but failing some modules in that academic year shall be required to supplement the failed modules and pass before being promoted to the next academic year.

e. A student before the exit year of level 7 getting a GPA of 2.0 or above but failing continuous assessment of some modules in that academic year(s) shall not be allowed to supplement the failed CAs but shall be required to CARRY OVER the respective modules in next academic year.

f. A student failing in a supplementary examination shall be required to carry over the respective module next academic year, but only for the NTA level 7 before exit year. Provided that the candidate attains a GPA of at least 2.0 and passes at least 50% of the total credits. For NTA Level 9, the GPA attained after supplementary must be at least 2.8 to carry-over a module (s) failed after supplementary.

g. The highest grade for NTA levels 4-8 supplementary examinations shall be the lowest pass mark of "C" and "B" for NTA Level 9.

h. A student absenting oneself from a scheduled examination without compelling reason(s) shall be deemed to have attempted the examination and failed and thus the particular opportunity lost and he/she shall be discontinued.

i. Supplementary shall be conducted in September of each academic year and shall be notified by the Examination unit.

j. The carry-over/retake module shall be studied and assessed as a fresh module.

1.7 Postponement of Studies

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

1.8 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 same shall not be used in calculating GPA.

1.9 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 adequately publicly announced, including a written 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.

1.10 Issue of Academic Transcript

The Institute may issue transcripts at a cost prescribed at the beginning of the academic year.

1.11 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 weigh given to the practical examination or practical continuous assessment component, where applicable, shall be proportional to the weigh 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 oneself from any continuous assessment test or fails to submit assignment(s) given during the programme work without compelling reasons shall be considered to have attempted to do such test (s) or assignment(s) and shall be given a zero mark.

vii) Dates and duration of conducting continuous assessments shall be indicated by the respective Lecturer(s)/Instructor(s) in the module schedules.

1.12 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
(ii) Attend examinations and submit work for assessments as required.

1.13 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:

a) 1 day late: 5% of the possible total mark will be deducted from the mark achieved by the student.

b) 2 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.

c) 10 days late or more: a mark of zero will be recorded.
In this guideline, "Days" include weekdays and vacations, but exclude weekends, Government holidays and other days when the Institute is closed.

1.14 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.

b) If an invigilator/supervisor/ of an examination confirms that cheating or an examination leakage has taken place then the provisions in (a) above shall be applied to the student involved.

1.15 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 and examination number checked before the examination commencement.

c) A student not in possession of Students Identity Card and examination number 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.

1.16 Appeal

a) A student may appeal to the Principal or his/her delegate 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 in 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 30 days from the date of publication of the results.

1.17 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 registration. The student himself or herself is responsible for any medical examination fees and other expenses related thereto.

1.18 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, P.O. Box 512 Dar es Salaam, Tanzania.

1.19 Accommodation

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

1.20 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.

1.21 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.

1.22 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.

1.23 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.

1.24 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, DMS Engine Room Simulator, GMDSS laboratory, two standby generators, seamanship workshop, training vessel and lifeboats.

1.25 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.

1.26 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.

1.27 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 himself/herself to seek a sponsor who will pay for the Institute fees and allowance.

1.28 Institute Rules

1.28.1 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.

1.28.2 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.

1.28.3 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.

1.28.4 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.

1.28.5 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.

1.28.6 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).

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

1.28.8 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.

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

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

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

1.29 Students' General Discipline conduct

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

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

1.29.3 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.

1.30 General Code of Conduct

1.30.1 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.

1.30.2 Smoking is prohibited in the Institute's premises.

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

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

1.30.5 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).

1.31 Academic Conduct

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

1.31.2 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.

1.31.3 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.

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

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

1.31.6 A student must be punctual for all class sessions.

1.31.7 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.

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

1.32 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 are payable in two instalments. A student must pay the required fees before commencement of any academic programme.

Tuition fee is paid annually while 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.

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)

ANNEX 1 Fee Structure for Programmes Offered at DMI for 2021/2022 Academic Year

***Tuition* Fee Structure for NTA Levels 4 & 5 for Academic year 2021/2022 (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 Marine and Mechanical Engineering (BTCMME)	1	1,430,000	975.00	1,200.00
		Basic Technician Certificate in Oil and Gas Engineering (BTCOGE)	1	1,430,000	975.00	1,200.00
		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 Marine and Mechanical 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 (TCSLM)	1	1,276,000	870.00	1,392.00
		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 ANNUALLY 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 2021/2022 (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 (ODCOGE)	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 Marine and Mechanical 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
		Ordinary Diploma in Cargo Tallying and Supply Chain Management (ODCTSM)	1	1,386,000	945.00	1,512.00
		Ordinary Diploma in Procurement, Logistics and Supply Chain Management (ODPLSM)	1	1,386,000	945.00	1,512.00

ADMINISTRATIVE COST (PAYABLE ANNUALLY 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 2021/2022 (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 • Marine and Mechanical 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 • Transport and Supply Chain Management **These fees apply to all programmes under these department*	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

ADMINISTRATIVE COST (PAYABLE ANNUALLY 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 2022/2023 (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 Maritime Law and International Trade Master Degree in Maritime Transport and Nautical Science	1	2,315,000	1,500.00	1,500.00
			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 ANNUALLY 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 2022/2023 (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 ANNUALLY 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 CALENDAR FOR ACADEMIC YEAR 2022/2023

The Period from 17th October, 2022 – 31th October 2023

DATE	ACTIVITY
17th October, 2022	Orientation and Registration Week for New Students
24th October, 2022	First Semester for NTA Level 4-8 Students Begins
07th November, 2022	First Semester for $CoC_{MNC,}$ $CoC_{4,}$ $CoC_{1\&2}$, ETO & CoC_3 Programmes Begin
2nd December, 2022	18th Graduation Ceremony
5th December, 2022	General Assembly (Students and DMI Management)
9th December, 2022	Public Holiday - Independence Day
25th December, 2022	Public Holiday – Christmas
26th December, 2022	Public Holiday - Boxing Day
1st January, 2023	Public Holiday - New Year
12th January, 2023	Public Holiday - Zanzibar Revolution Day
23rd January,2023	DAMISO Presents to Management General Students Feedback on Academic Issues for the First Semester
27th January,2023	End of classes Semester 1 for NTA level 4 - 8 Students
6th –17thFebruary, 2023	First Semester Examination sessions for NTA 4–8 Students Begins
17th February -13th March 2022	Recess for NTA level 4 – 8 students
6th.–7thMarch, 2023	Departmental Meetings
9th –10th March, 2023	Academic Committee Meeting
13th March, 2023	Resume Classes for NTA Level 4-8 students
03th March, 2023	End of classes Semester 1 for CoC_{MNC}, $CoC_{1\&2}$, ETO &CoC_3 Students
13th –24th March, 2023	First Semester Examination sessions for $CoC_{1\&2}$, ETO & CoC_3 students Programmes
27th March -07th April 2023	Recess for CoC_{MNC} , $CoC_{1\&2}$, ETO &CoC_3 Students
10th April 2023	Resume for CoC_{MNC} , $CoC_{1\&2}$, ETO &CoC_3 Students
14th April, 2023	Good Friday
16th April, 2023	Easter Sunday
17th April, 2023	Easter Monday
7th April, 2023	Public Holiday - Karume Day
26th April, 2023	Public Holiday – Union Day
1st May, 2023	Public Holiday - May Day
2nd May, 2023	Public Holiday - *Eid El Fitri (depends on moon sighting)
09th May, 2023	End of class for CoC_4 Programmes
15th May, 2023	DAMISO Parliament Meeting and Dean of Students
19th – 26th May, 2023	Final Examination Seasons for CoC_4 Programmes Begin
29th May, 2023	DAMISO Present to Management General Students' Feedback on Academic Issues for the Second Semester
05th June, 2023	DAMISO General Assembly
16th June, 2023	End of classes Semester 2 for NTA level 4-8 Students
26th June-07th July, 2023	Final Examination session for second semester for NTA Levels 4-8 Students

7th July, 2023	Public Holiday SABA SABA Day
12th July-01st September, 2023	Industrial Training Attachment
25th July-26th July, 2023	Departmental meetings
08th August, 2023	End of classes Semester 2 for $CoC_{1\&2}$, ETO &CoC_3 Students
3rd – 4th August, 2023	Academic Committee
14th – 25th August, 2023	Second Semester Examination sessions for $CoC_{1\&2}$, ETO & CoC_3 students Programmes
21st August, 2023	Selection for NTA level 4–7 and CoC Applicants DMI Senate with Representative from TASAC
10th August, 2023	Academic Council Meeting
04th -15th September, 2023	Special/Supplementary Examinations for NTA level 4-8 Students
26th September, 2023	Departmental Meetings
29th September, 2023	Academic Council Meeting
16th October, 2023	Beginning of new Academic year 2023/2024

NOTE:

CoC_{MNC},	Master Near Costal on Ships less than 500GT
CoC_1 & CoC_2:	Master and Chief Mate**,** and Chief Engineer Officer and Second Engineer Officer
CoC_3	Officer in Charge of a Navigational Watch, Officer in Charge of an Engineering Watch
CoC_4	Officer in Charge of an Engineering Watch on Ships less than 750kW
	Officer in Charge of a Navigational Watch on Ships less than 500GT
ETO	Electro Technical Officer