



# *PROSPECTUS*

*VOCATIONAL TRAINING*

*OCEAN UNIVERSITY OF SRI LANKA*



# STCW Courses

Pre-Sea Training Deck  
Rating.....03

Pre-Sea Training Deck  
Rating.....04

## What is STCW and who needs it?

STCW stands for **Standards of Training, Certification and Watchkeeping**. It is a worldwide convention that ensures a lateral standard of training is achieved across all countries in the world.

## Who is STCW for?

Anyone wishing to work on commercial vessels that are over 24 meters long will have to obtain STCW qualifications/courses before they seek employment. The type of courses/qualifications you will need will greatly depend on the position you are applying for and the post you will be assigned to once you are on-board.



## PRE-SEA TRAINING DECK RATING



*This course is designed as a basic program for those who wish to obtain a Continuous Discharge Certificate (CDC), a requirement to navigate as **a sailor on merchant ships**.*

*This course has designed to provide systematic and*

*organized training to acquire the skills and knowledge required for assisting deck officers in all routing operational activities of the deck rated machinery and equipment and assist the officer of the watch, in watch keeping duty. This course is approved by the Merchant Shipping Secretariat (MSS) in line with the STCW guidelines.*

**COURSE TYPE--Full Time**

**MEDIUM-- English**

**COURSE COMMENCEMENT DATES--January 2021, May 2021, and September 2021**

**DURATION--6 Months**

**LOCATION—Mattakuliya and Tangalle**

### **COURSE MODULES**

- Ship Knowledge
- Cargo Handling & Seamanship (Theory & Practical)
- Navigation & Chart work (Theory & Practical)
- Marine Pollution & International law
- Meteorology
- Maritime English and IT skills



### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*School leavers who sit G.C.E. (A/L) Examination include G.C.E.(O/L) 6 passes and 4 credits with Mathematics and English.*

## PRE-SEA TRAINING ENGINE RATING



*This course is designed as a basic program for those who wish to obtain a Continuous Discharge Certificate (CDC), a requirement to work as a **Motorman on merchant ships**. This course has designed to provide systematic and organized training to acquire the skills and knowledge required for assisting engineering officers in all routing maintenance of the*

*engine and related machinery and equipment on shipboard.*

*This course is approved by the Merchant Shipping Secretariat (MSS) in line with the STCW guidelines.*

**COURSE TYPE--FULL TIME**

**MEDIUM-- ENGLISH**

**COURSE COMMENCEMENT DATES--JANUARY 2021, MAY 2021, AND SEPTEMBER 2021**

**DURATION--6 MONTHS**

**LOCATION—MATTAKULIYA AND TANGALLE**

### **COURSE MODULES**

*Marine Engineering Knowledge (General)*

*Marine Engineering Knowledge (Motor)*

*Workshop Technology & Safety (Theory/Practical)*

*Marine Pollution & International Law*

*Meteorology*

*Maritime English & IT*

### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*School leavers who passes G.C.E. (A/L) Examination in mathematical stream along with 6 passes and 4 credits with Mathematics and English G.C.E.(O/L).*



## NVQ Courses

### What is NVQSL ?

NVQSL stands for **National Vocational Qualifications of Sri Lanka**. It is a unified qualification framework which is nationally recognized and understood internationally. The NVQs are based on National Competency Standards identified by the industry stakeholders. This framework has been developed integrating technical/ vocational and higher education. All NVQ courses conducted by the OCUSL are taught under Competency Based Training (CBT) Curricular. Quality of the courses assured by obtaining regional Centre accreditation and course accreditation the Tertiary and Vocational Education Commission (TVEC) of Sri Lanka. As partial requirement of the accreditation QIS and QMS are implemented in all centers.

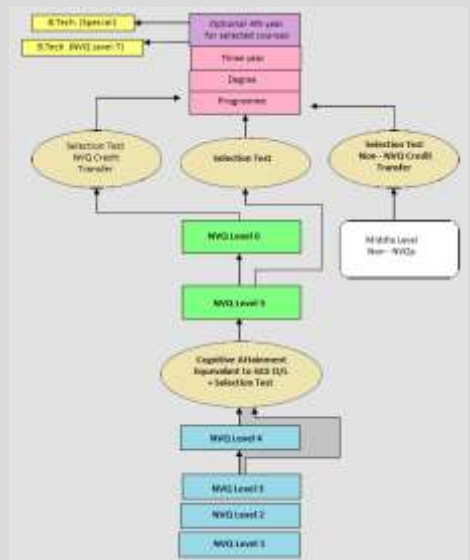
### NVQ Levels

There are seven NVQ Levels ranging from Level 1 to Level 7.

NVQ Level 1 to 4 are Certificate Level courses. Once all units comprising a particular level has been successfully completed, the student is eligible to receive a National certificate at the applicable level.

NVQ Level 5 and 6 are Diploma level courses. A student will be able to receive National Diploma and Higher National Diploma certificate for NVQ Level 5 and 6 courses respectively, once she/he earns the required credits specified in the relevant competency standards.

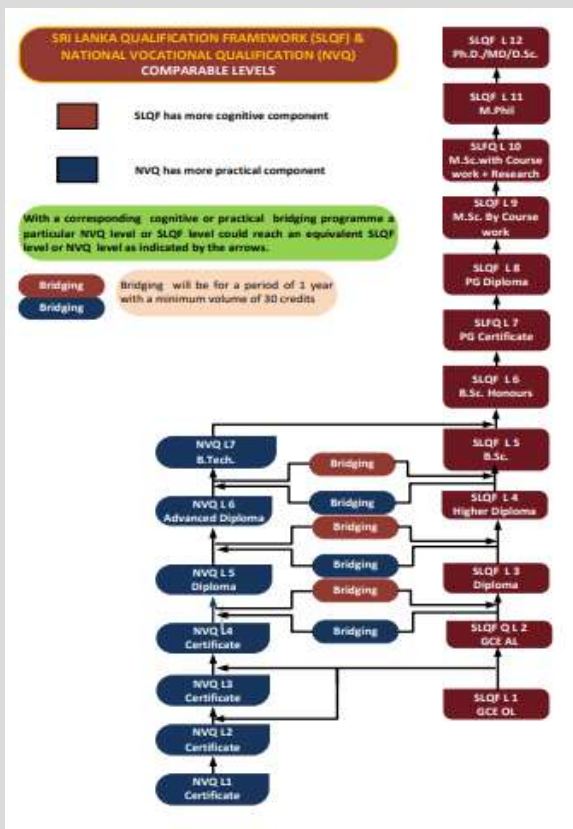
NVQ Level 7 are degree level courses. Student who completed the required credits specified in the degree programme is awarded B. Tech degree.



Source : NVQ Operation Manual, 2009.TVEC.

### What is SLQF ?

“Sri Lanka Qualification Framework (SLQF) is a framework aimed at improving quality of higher education and training through recognizing and accrediting qualifications offered by different institutions. It helps to interpret qualifications and judge the relative value of a qualification. SLQF recognizes the outcomes achieved after formal secondary education. It integrates the National Vocational Qualification Framework (NVQF) developed by the Tertiary and Vocational Education Commission (TVEC) and identifies flexible pathways which assist in lateral mobility between vocational education and higher education sectors by providing basis for recognizing prior learning and credit transfer” ( Quality



Assurance Council,2020, UGC, Sri Lanka).

Source : SLQF, 2015, UGC

## ***DIPLOMA COURSES***

<b>National Diploma in Aquaculture and Aquatic Resources Management (NVQ Level 05).....</b>	<b>08</b>
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<b>National Diploma in Marine Engine and Machinery Technology (NVQ Level 05) ..</b>	<b>13</b>
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## NATIONAL DIPLOMA IN AQUACULTURE AND AQUATIC RESOURCES MANAGEMENT (NVQ LEVEL 05)



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a*

*broad knowledge base with substantial depth in some areas related to the field.*

*After completion of the course you will be directed to acquire NVQ Level 05 Certificate from the Tertiary and Vocational Education Commission (TVEC)*

*of Sri Lanka.*

*This course has designed to provide wide range of specialized technical or scholastic knowledge and skills, in Aquaculture systems, Farming and harvesting finfish, shellfish, prawn and aquatic plant species. In addition to the key subject areas, students are equipped with communication and problem solving skills, team work and perseverance and leadership qualities to ensure their career readiness to secure the future within the 21st century workforce. Studying a combination of subjects offer you a unique opportunities for government jobs, to embed yourself in local and international Aquaculture farm based jobs including ornamental fish and aquatic plants.*

**COURSE TYPE**--Full Time/Part time

**MEDIUM**-- English

**COURSE COMMENCEMENT DATES**--January 2021,

**DURATION**-- 12 Months course work and 6 month On the Job Training for fulltime courses/part time course duration may be vary

**LOCATION**—Mattakuliya, Tangalle, Panadura, Jaffna, Negombo, Trincomalee, Batticaloa

### **COURSE MODULES**

#### **SEMESTER 1**

Principles of Aquaculture, Language Skills, Basic Chemistry for Aquaculture, Basic Bio Statistics, Aquaculture Extension, Fish and Crustacean Biology, Occupational Health and Safety Procedures and Practices, Design aquaculture Systems, Introduction of Culturable Aquatic Species, Information Technology in Aquaculture, Water Quality Management, Workplace Information Management.



**SEMESTER 2**

Hatchery Operation, Nurseries & Grow-out Farming, Marine fin/shell Fish Culture, Fresh Water fish and Prawn Culture, Seaweed and Aquatic plant culture, Disease Management, Harvesting Technology, Principles, Operation and Maintenance of Aquaculture Machinery and Equipment, Workplace Communication Management, Planning and Scheduling Work at Workplace.

**ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in Biological Science or Bio System Technological stream.*

## **HIGHER NATIONAL DIPLOMA IN AQUACULTURE AND AQUATIC RESOURCES MANAGEMENT (NVQ LEVEL 6)**



*This course is designed for those who wish to acquire a Higher National Diploma Qualification. This course provides specialized knowledge with depth more than one area.*

*After completion of the course you will be directed to acquire NVQ Level 06 Certificate from the Tertiary and Vocational Education Commission (TVEC)*

*of Sri Lanka.*

*This course has designed to provide wide ranging highly specialized technical or scholastic knowledge and skills, in Integrated Aquaculture systems, Farming and harvesting aquatic invertebrates, Aquatic Ornamental fish and plant species, Fish genetics, Aquatic pathology, Microbiology and Post-harvest and Processing. In addition to the key subject areas, students are equipped with Marketing and Entrepreneurship, problem solving and decision making skills, and leadership qualities to ensure their career readiness to secure the future within the 21st century workforce as an entrepreneur too.*

**COURSE TYPE--Full Time/Part-time.**

**MEDIUM-- English**

**COURSE COMMENCEMENT DATES--January 2021,**

**DURATION**-- 12 Months course work and 6 month On the Job Training for fulltime course/part time course duration may be vary

**LOCATION**—Mattakuliya, Tangalle, Panadura, Jaffna, Batticaloa, Negombo, Trincomalee

## **COURSE MODULES**

### **SEMESTER 1**

Ornamental fish and plant culture, Invertebrate culture, Live feed culture, Fish genetics, Induced breeding, Nutrition, Post-harvest and Processing technology, Pond Engineering, Aquaculture economics, Scientific writing, Problem solving and decision making,

### **SEMESTER 2**

Formulation and preparation fish feed, Aquatic pathology and microbiology, Integrated farming systems, Advanced technology used in aquaculture, Fish biodiversity and conservation, Marketing and entrepreneurship development, Final project, Mediatory role of extension, Teamwork and leadership, Creating and maintaining a learning culture at workplace.

## **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*National Diploma in Aquaculture and Aquatic Resource Management (NVQ Level 5) qualification.*

## NATIONAL DIPLOMA IN MARITIME AND LOGISTICS MANAGEMENT (NVQ LEVEL 05)



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a broad knowledge base with substantial depth in some areas related to Maritime Management and Logistics Management field.*

*After completion of the course you will be directed to acquire NVQ Level 05 Certificate from the Tertiary and*

*Vocational Education Commission (TVEC) of Sri Lanka.*

*A wide range of subject modules covering up overall Maritime Management and Logistics management gives students a vibrant knowledge and improve competencies in the field. The core technical modules include Sales and Marketing, Cargo operations, Inventory management etc. The general employability modules comprise workplace communication and information management. The theory with field visits, allowing hours for self-study gives our students a free and exciting learning experience. Studying a combination of subjects offer you a unique opportunity to embed yourself in many logistics and maritime -related careers.*

**COURSE TYPE**--Full Time/Part-time

**MEDIUM**-- English

**COURSE COMMENCEMENT DATES**--January 2021,

**DURATION**-- 12 Months course work and 6 month On the Job Training/part time course duration may be vary

**LOCATION**— Panadura, Galle, Tangalle, Batticaloe, Negombo.

### **COURSE MODULES**

#### **SEMESTER 1**

Introduction to shipping, Sales and marketing, Introduction to documentation & customer services, Basic human resources management and general office administration, Workplace communication management, Planning and scheduling work at workplace.

Vessel husbanding, Cargo operations and transshipment (Part 1), Equipment control, Equipment inventory management, Workplace Information Management

**ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in any stream.*

**HIGHER NATIONAL DIPLOMA IN MARITIME AND LOGISTICS  
MANAGEMENT (NVQ LEVEL 06)**



*This course is designed for those who wish to acquire a Higher National Diploma Qualification. This course provides specialized knowledge with depth more than one area in Logistics and Maritime field.*

*After completion of the course you will be directed to acquire NVQ Level 06 Certificate from the Tertiary and Vocational Education Commission (TVEC)*

*of Sri Lanka.*

*This course has designed to provide wide ranging highly specialized technical or scholastic knowledge and skills in the logistics and multimodal transport management, port and terminal management, commercial shipping and shipping accounting and maritime law. Career opportunities are available in a wide range; logistics companies, freight forwarding companies, shipping companies, port and other private and government organizations.*

**COURSE TYPE--Full Time/Part-time.**

**MEDIUM-- English**

**COURSE COMMENCEMENT DATES--January 2021,**

**DURATION-- 12 Months course work and 6 month On the Job Training for fulltime course/part time course duration may vary**

**LOCATION—Panadura, Galle, Tangalle, Batticaloe and Negombo**

**COURSE MODULES**

**SEMESTER 1**

Cargo operations and transshipment (Part 2), Elements of shipping accounting, Basic shipping law and conventions, Ship operations management, Documentation in commercial shipping, Problem solving and decision making, Teamwork and leadership

## **SEMESTER 2**

Port and terminal management, Shipping Business Management, Logistics and Multimodal Transport Management, Creating and maintaining a learning culture

## **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*National Diploma in Maritime and Logistics Management (NVQ Level 5) qualification.*

## **NATIONAL DIPLOMA IN MARINE ENGINE AND MACHINERY TECHNOLOGY (NVQ LEVEL 5)**



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a broad knowledge base with substantial depth in some areas related to the field.*

*After completion of the course you will be directed to acquire NVQ Level 05 Certificate from the Tertiary and Vocational Education Commission (TVEC) of Sri Lanka.*

*This course has designed to provide wide range of specialized technical or scholastic knowledge and skills to provide all-round knowledge of marine engineering technology. It comprises with industrial engineering knowledge with multitasking skills to fulfil the needs in supervisory level as well as the operational level professionals for mainly shore based marine engineering industry.*

*On board sea practical are conducted in our vessels where it necessary. In addition to the key subject areas, students are equipped with communication and problem solving skills, team work and perseverance and leadership qualities. Carrier opportunities available for the diploma holders are, marine engineering and ship repairing services field, offshore engineering and services field, industrial power plants, industrial factories, boat building and maintenance field etc. as a supervisory level /operational level professional of local and overseas.*

**COURSE TYPE**--Full Time

**MEDIUM**-- English

**COURSE COMMENCEMENT DATES**--January 2021,

**DURATION**-- 12 Months course work and 6 month On the Job Training

**LOCATION**—Mattakuliya, Tangalle, Panadura

## **COURSE MODULES**

### **SEMESTER 1**

Communicative English, Technical Mathematics, Introduction to physics, Mechanics of Machines, Workshop Technology, Marine engineering technology, Workplace Information Management, Workplace Communication Management

### **SEMESTER 2**

Electrical Technology, Marine engineering technology (general), Thermodynamics, Refrigeration and Air conditioning, Hydraulic and Pneumatic, Power transmission, propulsion and steering, Ship Construction, Occupational Health and Safety Practices

## **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in Physical Science or Engineering Technological stream.*

## HIGHER NATIONAL DIPLOMA IN FISHING TECHNOLOGY (NVQ LEVEL 6)



*This course is designed for those who wish to acquire a Higher National Diploma Qualification. This course provides specialized knowledge with depth more than one area in related field.*

*After completion of the course you will be directed to acquire NVQ Level 06 Certificate from the Tertiary and Vocational Education Commission (TVEC)*

*of*

*Sri*

*Lanka.*

*This course has designed to provide wide ranging highly specialized technical or scholastic knowledge and skills to the student to the factors that influence the design of a range of commercial fishing gears and methods as well as the fishing methods that are required for to produce high-quality seafood. In addition to that students are provided job related other competencies in Navigation, seamanship, Fishing vessel maneuvering, safety and first aid. Special emphasis is placed on identifying options to reduce any negative impacts of fishing on the marine environment and to promote responsible fishing practices within the fishing industry. This unit provides the opportunity to conduct practical experimental work at sea including the observation and participation in the operation of a range of fishing gears and methods.*

*It comprises with industrial knowledge with multitasking skills to fulfil the needs in supervisory level as well as the operational level professionals. On board sea practical are conducted in our vessels where it necessary. Career opportunities are available for fishing vessels in local companies and foreign countries like Japan, Korea, etc. which are highly demanding man power for fisheries industry.*

**COURSE TYPE--Full Time/Part time**

**MEDIUM--** English

**COURSE COMMENCEMENT DATES--**January 2021,

**DURATION--** 24 Months course work and 6 month On the Job Training/part time course duration may be vary

**LOCATION—**Jaffna, Tangalle, Negombo, Mattakkuliya, Galle, Panadura, Trincomalee, Batticaloa,

**COURSE MODULES**

Introduction to Fishery Industry, Fishing Gear Technology-I, Oceanography and

Meteorology, Marine Environment and Fishery Resources, Marine Communication, Marine English-I, Introduction to Physics, Workplace Information Management, Workplace Communication Management.

### **SEMESTER 2**

Sea Training and Fishing Operation, Navigation and Position Identification, Fishing Gear Technology-II, Fishing Vessel Stability, Mathematics, Planning and Scheduling work at workplace.

### **SEMESTER 3**

Seamanship, Fishing Vessel, Maneuvering and Handling, Marine English-II, Watch Keeping, Operate and Maintain Marine Engine , Hull and Power Plants Safety and Damage Control Post-harvest Technology and Quality Control, Problem solving and decision making, Teamwork and Leadership

### **SEMESTER 4**

Survival at Sea and First Aid, Fishery Community Extension and Management Fishery Economics and Management, Responsible fisheries practices and Fisheries legislation, Fish Processing and quality Management, Introduction to Laboratory, Research in Fishery, Field Research in Fishery Marketing Management, Entrepreneurship Development, Creating & Maintaining a Learning Culture at workplace

### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in Science or Technological stream.*



## NATIONAL DIPLOMA IN SEA FOOD TECHNOLOGY (NVQ LEVEL 5)



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a broad knowledge base with substantial depth in some areas related to the field.*

*After completion of the course you will be directed to acquire NVQ Level 05 Certificate from the Tertiary and Vocational Education Commission (TVEC) of Sri Lanka.*

*This course has designed to provide wide range of specialized technical or scholastic knowledge and skills to provide all-round knowledge of sea food technology. It consist of wide range of subjects related to recent techniques involved in sea food production, processing, preservation, packaging, labeling, quality management, distribution of sea food products, and this course helps students in understanding the basic concepts such as composition of sea food, food and nutrition, physicochemical and microbiological properties, different techniques related to sea food processing and preservation. Not only that, this course included employability subjects which enhance the compatibility of students regarding to their various professions in future.*

*Fresh diploma holders can begin their career as quality assurance executives, production executives, laboratory executives, sea food technologist etc. in sea food export companies, sea food processing companies, fish canning factories in various countries in the world.*

**COURSE TYPE**--Full Time/Part time

**MEDIUM**-- English

**COURSE COMMENCEMENT DATES**--January 2021,

**DURATION**-- 24 Months course work and 6 month On the Job Training/part time course duration may be vary

**LOCATION**—Jaffna, Tangalle, Negombo, Mattakkuliya, Panadura, Batticaloa,

### **SEMESTER 1**

Introduction to Sea Food Industry, General Biology of Aquatic Organisms, Fundamentals of Food Chemistry, Pre and Post-Harvest Technology of aquatic products, Fundamentals of fish and aquatic product Processing Technology,

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Fundamentals of Nutrition, Workplace Information Management, Workplace Communication Management.

### **SEMESTER 2**

Fundamentals of Food Microbiology, Fundamentals of Food processing technology Food Safety and Quality Assurance, Plant Cleaning and sanitation , Unit operations in fish and other aquatic food processing, Fundamental of Food Packaging , Transport & distribution of raw and finished products , Introduction to Waste Management, Planning and Scheduling work at workplace.

### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in Biological Science or Bio System Technological stream.*

## **NATIONAL DIPLOMA IN RECREATIONAL WATER SPORTS SCIENCE (NVQ LEVEL 5)**



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a broad knowledge base with substantial depth in some areas related to the recreational water sports. **After completion of the course you will be directed to acquire NVQ Level 5 certificate from the Tertiary and Vocational Education Commission (TVEC) of Sri Lanka.***

*This course has designed to provide wide range of specialized technical or scholastic knowledge and skills to provide a well-rounded base in all aspects of recreational water sport and coaching. This course will provide knowledge and necessary skills for organizing and implementing training programme. This qualification can either be used to progress your career, or for further study at Higher National Diploma Level.*

**COURSE TYPE--Full Time/Part time**

**MEDIUM-- English**

**COURSE COMMENCEMENT DATES**--January 2021,

**DURATION**-- 24 Months course work and 6 month On the Job Training/part time course duration may be vary

**LOCATION**— Tangalle, Galle, Negombo

### **SEMESTER 1**

Pre Introduction to water sports science & recreation, Introduction to physics, Mathematics, Remote sensing & GIS, English for technology, Fundamental of human biology & physiology, Meteorology, Workplace Information Management, Workplace Communication Management

### **SEMESTER 2**

Basics of seamanship and navigation, Basics of oceanography, Open water and advance open water diving, Fundamentals of surfing, Fundamentals of wind surfing, Basics of sailing, Jet water craft, Planning and Scheduling work at workplace

### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*NVQ Level 4 qualification in relevant field*

*School leavers who passed G.C.E. (A/L) Examination in any stream with six month bridging programme.*

## **HIGHER NATIONAL DIPLOMA IN RECREATIONAL WATER SPORTS SCIENCE (NVQ LEVEL 6)**



*This course is designed for those who wish to acquire a National Diploma Qualification. This course provides a broad knowledge base with substantial depth in some areas related to the recreational water sports. After completion of the course you will be directed to acquire NVQ Level 6 certificate from the Tertiary and Vocational Education Commission (TVEC) of Sri Lanka.*

*This course has designed to provide wide ranging highly specialized technical or scholastic knowledge and skills in the water sport science. During the studying period you will be able to acquire knowledge and develop skills in any one specializing area out of three specialization areas; Scuba Diving, Surfing and Sailing. A person with this qualification has sound practical and theoretical knowledge and competence to perform work at supervisory or managerial level in the Recreational Water Sports Science.*

**COURSE TYPE--Full Time/Part time**

**MEDIUM--** English

**COURSE COMMENCEMENT DATES--**January 2021,

**DURATION--** 24 Months course work and 6 month On the Job Training/part time course duration may be vary

**LOCATION—**Tangalle, Galle, Negombo,

### **SEMESTER 1**

Bio mechanics, Recreational tourism, Environmental pollution, Introduction to Human Resource Management, Introduction to project Management Basic Managerial Accounting, Occupational safety and health, Problem solving & decision making, Teamwork & leadership

The Diploma holders can begin their career in aquatic leisure and tourism companies, leisure parks, amusement parks locally and internationally.

### **SEMESTER 2 (Master scuba diving specialization)**

Master scuba diving, Scuba diving project, Creating & maintain a learning culture at workplace

### **SEMESTER 2 (Master surfing specialization)**

Advance surfing, Surfing project, Creating & maintain a learning culture at workplace

### **SEMESTER 2 (Master sailing specialization)**

Advance sailing, Sailing project, Creating & maintain a learning culture at workplace

### **ENTRY REQUIREMENTS**

*This course is open to those who meet the minimum standards and requirements set forth below.*

*National Diploma in Recreational water Sports Science (NVQ Level 5) qualification*

## NVQ CERTIFICATE COURSES

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## COMPUTER APPLICATIONS ASSISTANT – (NVQ-3)



Computer Application Assistant has been designed for the employers as well as school leavers to enhance their Knowledge and skills on basic computer science as an essential skill for today's job market.

Computer Application Assistant is responsible for varying computer related duties depending on their specific job title and place of employment with acquired knowledge and skills of processing word

documents, processing spreadsheets, prepare presentations, design and maintain databases, handle e mail and internet related duties. This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national competency standards (NCS).

**COURSE TYPE- Full Time /Part Time**

**MEDIUM** - English/Sinhala/Tamil

**DURATION** - 07 Months

**LOCATION** - Tangalle/ Trincomalee/ Jaffna/ Batticaloa

**Job Market:** Public and private sector as a data entry operator

### Course Module :

- Perform Word Processing
- Prepare Spreadsheets
- Prepare presentation recourses
- Manage databases
- Perform Internet and Electronic mail operations
- English (Career Skills 1 )



### Entry Qualification:

This course is open to those who meet the minimum standard and requirement set forth below

School leavers who sat the GCE ( O/L )

## COMPUTER GRAPHIC DESIGNER - (NVQ- 4 )



Computer Graphic Designer is responsible to provide comprehensive graphic design, production and support services; to create and produce a variety of original and computer-generated graphics, creations including brochures, advertisements, posters, logos, business cards, presentations, maps, and report covers for print and multi-media applications. Today youth have many

opportunities to climb the carrier ladder within the Computer Graphic Designing field. Computer Graphic Designer needs to achieve occupational competencies pertaining to following functions:

- Operate graphic art equipment and software with skill and precision.
- Create and prepare a wide variety of graphic art.
- Produce planned production project schedules and budgets.
- Conceptualize graphic art design and presentation.
- Print and publish graphic productions.
- Scan and develop graphic productions.

Acquiring above competencies will help trainees to find employment as a, Desktop Publisher, computer Graphic Designer, Web Graphic artist or Graphic Editor. This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national competency standards (NCS).

**COURSE TYPE - Full Time/ Part Time**

**MEDIUM** - English/Sinhala

**DURATION** - 06 Months with 06 months OJT for full time course / for part time course duration may be vary.

**LOCATION** - Tangalle

**JOB MARKET : Public and private sector as a Graphic Designer.**

**Course Modules**

- Develop concepts and sketches
- Design and create graphics for print products
- Design and create graphics for web interfaces
- Conduct interpersonal communication
- English (Career Skills 2)



**Entry Qualification:**

This course is open to those who meet the minimum standard and requirement set forth below

School leavers who sat for the GCE ( O/L ) with basic knowledge of IT

## LIFEGUARD - (NVQ 3 / 4)



This course provides Qualified and well-trained Life Guards who has NVQ Level 3 & 4 Certificates in order to fulfill the arising needs. Lifeguards are trained in swimming and CPR/AED first aid, certified in water rescue using a variety of aids and equipment depending on requirements of their particular venue. This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national

competency standards (NCS).

### COURSE TYPE- Full Time

**MEDIUM** - Sinhala

**DURATION** - 06 Months with 100hrs OJT for NVQ- 3 and 09 month with 06 month OJT period for NVQ- 4

**LOCATION** - Tangalle, Galle, Negombo, Jaffna,

**COURSE COMMENCEMENT DATES** - January 2021, July 2021

**JOB MARKET** : Specially private and public sector as well as foreign country as a pool lifeguard, surf lifeguard, adventure lifeguard and water park lifeguard and after gain additional skills and experience lead to become water safety manger.



### COURSE MODULES

- Adept water safety activities and basic lifesaving methods (U01 )
- Maintain water based physical fitness, swimming and rescue skills (U02 )
- Perform life saving activities at pool environment (U03 )
- Supervise the safety & rescue at swimming pool (U04 )
- Supervise the safety & rescue at inland open water and natural disasters (U05 )
- Supervise the safety & rescue of beach & ocean (U06 )



### Packaging for National Vocational Qualifications (NVQ)

- National Certificate at NVQ Level 03 in the occupation of Pool Lifeguard will be awarded to those who are competent in units Unit 2+4
- National Certificate at NVQ Level 04 in the occupation of Surf Lifeguard will be awarded to those who are competent in units 2+3+4+5+6

### Entry Qualification:

This course is open to those who meet the minimum standard and requirement set forth below,

School leavers, Who studied up to (O/L) examination and suitably upgraded\_or, Less qualified with swimming ability with occupational experience, and physically sound.

## SCUBA DIVER ( NVQ- 3 / 4 )



This course is scheduled to get competent to Dive and related matters to obtain a NVQ Level 3 and Level 4 Certificates (Level 4 Includes Underwater Welding). Scuba diving may be done recreationally or professionally in a number of applications, including scientific, military and public safety roles, but most commercial diving uses surface-supplied diving equipment when this is

practicable. The only institute that issues scuba diver ( NVQ 4 ) is the Ocean university of Srilanka.

This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national competency standards (NCS).

### COURSE TYPE - Full Time



**MEDIUM** - Sinhala

**DURATION** - 06 Months with 06 months OJT period for NVQ Level 4

**LOCATION** - Tangalle, Negombo, Galle, Jaffna, Batticaloa

**COURSE COMMENCEMENT DATES** - January 2021 / July 2021

**JOB MARKET:** Ports, Tourism industry, Port city and exploration activities as Scuba Diver as well as Self-employments.

### COURSE MODULES

- Perform open water dive (U01)
- Perform advanced open water dive ( U02 )
- Dive for commercial purposes (open water)( U03)
- Dive for commercial purposes (advanced open water)( U04)
- Dive for recreational purposes ( 05)
- Perform underwater welding & cutting ( 06)
- Perform in-water rescue ( 07)

### Packaging for National Vocational Qualifications (NVQ):

- National Certificate at NVQ Level (03) in the occupation of Scuba Diver will be awarded to those who are competent in units – U1 + U3
- National Certificate at NVQ Level (03) in the occupation of Scuba Diver will be awarded to those who are competent in units – U1 + U2 + U4
- National Certificate at NVQ Level (03) in the occupation of Scuba Diver will be awarded to those who are competent in units – U1 + U2 + U5
- National Certificate at NVQ Level (04) in the occupation of Scuba Diver (Under Water Welding) will be awarded to those who are competent in units - U1 + U2 + U6
- National Certificate at NVQ Level (04) in the occupation of Scuba Diver will be awarded to those who are competent in units – U1 + U2 + U7
- National Certificate at NVQ Level (04) in the occupation of Scuba Diver will be awarded to those who are competent in units – U1 + U2 + U3 + U4 + U5 + U7

### Entry Qualification:

This course is open to those who meet the minimum standard and requirement set forth below,

**School leavers, Who studied up to (O/L) examination and suitably upgraded\_or, Less qualified with swimming ability with occupational experience, and physically sound**

# OUTBOARD MOTOR TECHNICIAN ( NVQ – 3 / 4 )



This course is designed to enhance the skills and proficiency of Outboard Motor Engine maintenance, repairs and to fulfill the arising needs to repair Boat Engines all along the coastal line in Sri Lanka as well as around the world and for those who wish to obtain a NVQ Level 3 Certificate. The course is being conducted with providing on the job training at the in house workshops. This course is approved by the Tertiary & Vocational Education Commission

(TVEC) in line with the national competency standards (NCS).

This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national competency standards (NCS).

**COURSE TYPE - Full Time**

**MEDIUM - Sinhala**

**DURATION - 12 Months**

**LOCATION - Tangalle, Negombo, Jaffna, Batticaloa**

**COURSE COMMENCEMENT DATES - January 2021**

**JOB MARKET** :Public and private sector and self-employments as Outboard Motor Technician ( Local and foreign )



## COURSE MODULES

- Basic Module (Fundamentals of internal combustion engines, utilization of tools and instruments)
- Cooling System
- Fuel System: Conventional
- Fuel System: Fuel injection type
- Lubrication system
- Ignition system
- Power unit

- Transmission system
- Steering system & bracket unit

### Entry Qualification:

This course is open to those who meet the minimum standard and requirement set forth below,

School leavers, *Who studied up to (O/L) examination and suitably upgraded\_or, Less qualified with industrial background, and Physically sound.*

## AQUACULTURE TECHNICIAN ( NVQ – 4 )



This course is designed as a basic program for those who wish to obtain a national certificate at NVQ level-04, a requirement to work as an **aquaculture technician**. This course has designed to provide systematic and organized training to acquire the skills and knowledge required for performing aquaculture operations based on given instructions and organizational procedures in view of

maximizing the aquaculture production in a sustainable manner.

An Aquaculture Technician is a person who works at an aquaculture facility and assists to managers the operation of the facility. This person need to fulfill solid understanding and background with training concerning aquatic life, marine ecosystems, fishing and farming practices, and common environmental and bureaucratic issues concerning aquaculture

This course is approved by the Tertiary & Vocational Education Commission (TVEC) in line with the national competency standards (NCS).

### COURSE TYPE-Full Time

**MEDIUM** - English / Sinhala

**DURATION** - 06 months course work with 06 months on the job training

**LOCATION** - Mattakuliya / Tangalle / Jaffna / Negombo, Trincomalee, Panadura, Batticaloa

**COURSE COMMENCEMENT DATES** - January 2021

**JOB MARKET** :Public and privet sector ( Aqua farms, Breeding centers, Processing companies, ornamental fish export companies )as Aquaculture Technician as well as a self-employments.

### COURSE MODULES

- Construct aquaculture facility
- Maintain brood stock and Carry out hatchery operation

- Carry out grow-out practice in different culture systems
- Handle feed in different culture systems
- Practice integrated farming systems
- Carry out harvesting and post-harvest activities
- Handle machinery and equipment in aquaculture practices
- Control and prevent diseases
- Workplace communication and Professionalism
- Technical English

### ENTRY REQUIREMENTS

**This course is open to those who meet the minimum standards and requirements set forth below.**

School leavers who completed thirteen-year education program in Aquatic Resource Studies stream

School leavers who studied up to G.C.E. (O/L) Examination.



## FISHING VESSEL SKIPPER ( NVQ – 4 )



This course is scheduled for the skippers who are not obtain proper training on fishing vessel skipper as well as school leavers who are willing to work as skippers. Fishing vessel skippers are responsible for running fishing boats under the responsibilities range from safety navigating the vessel and

organizing the crew, to catching and processing fish. This course will provide you the competency to meet the requirements throughout the coastal area of the Island to join fishing vessels as a Skipper and certificate will be supported to go to sea.

**COURSE TYPE- Full Time**

**MEDIUM** - Sinhala/ Tamil

**DURATION** - 09 months with 06 months OJT period

**LOCATION** - Trincomalee, Tangalle, Jaffna

**COURSE COMMENCEMENT DATES** - January ,2021

**JOB MARKET:** As a Skipper in the local and foreign fishing industry.



### **COURSE MODULES**

- *Prepare for sea voyage*
- *Sail the vessel to fishing ground*
- *Operate fishing gears*
- *Perform harvesting*
- *Arrival at harbor and market fish*
- *Reinstate the Vessel, equipment & fishing gears*

### **ENTRY REQUIREMENTS**

**This course is open to those who meet the minimum standards and requirements set forth below.**

School leavers who upto G.C.E. (O/L) Examination, occupational experience, and physically sound

## MACHINIST ( NVQ- 3 )



This course is designed as a basic program for those who wish to obtain a national certificate at NVQ level-04, a requirement to work as a Machinist. This course has designed to provide systematic and organized training to acquire the skills and knowledge required for machine tools to plan and carry out the operations needed to make machined products that meet precise specifications. At present many types of machinery which are being controlled by the computers are also used in the trade. As

such to engage in self-employment a well to obtain foreign jobs as well as in locally, Work is easily available for well competent and talented Machinists.

This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conducting in line with the national competency standards (NCS).

### **COURSE TYPE -Full Time**

**MEDIUM** - English/ Sinhala

**DURATION** - 06 Months

**LOCATION** - Panadura, Batticaloa, Tangalle

**COURSE COMMENCEMENT DATES** -January 2021, May 2021, and September 2021

**JOB MARKET** : As a Machinist specially in privet sector and public sector.

**JOB MARKET**: With the increase in the requirements for Machine tools with higher quality standards, the employment opportunities are also simultaneously on the rise in the world for the Machinists. Hence the demand for the machinists is so huge in Sri Lanka as well as in foreign countries.

### **COURSE MODULES**

- **Basic Calculations**
- **Maintenance of Tools and Servicing**
- **Mechanical Drawing Interpretations**
- **Using of hand tools and maintenance of tools**
- **Grinding with the use of Grinding Tools**
- **Use of drilling tools and drilling /tempering of holes**
- **Sharpening of tools**



- **Shaping Tools**
- Lathe turning in a metal
- **Milling**

### *ENTRY REQUIREMENTS*

**This course is open to those who meet the minimum standards and requirements set forth below.**

School leavers who upto G.C.E. (O/L) Examination, occupational experience.

## **FLOATING (FISHERIES) VESSEL MECHANIC ( NVQ- 3/4 )**



This course is designed as a basic program for those who wish to obtain a national certificate at NVQ level-03 and 04, a requirement to work as a **floating (fisheries) vessel mechanic**. This course has designed to provide systematic and organized training to acquire the skills and knowledge required to possess the practical knowledge of the mechanical and

hydraulic systems and components of these engines, machinery and systems including their operating characteristics, repair procedures, methods, trade practices and should have a solid repair skill and physically fit to work in a confined environment safely.

This course is approved by the Tertiary & Vocational Education Commission (TVEC) in line with the national competency standards (NCS).

### **COURSE TYPE-Full Time**

**MEDIUM - Sinhala**

**DURATION - 06 Months with 06 months OJT**

**LOCATION - Batticaloa, Galle, Panadura, Negombo,**

**COURSE COMMENCEMENT DATES - January 2021, May 2021, and September 2021**

**JOB MARKET : AS A MACHANIC IN THE FISHERIES INDUSTRY AT LOCAL AND FOREIGN.**

### **COURSE MODULES**

- Repair and maintain inboard installed diesel engine of one day /multi day Floating (Fisheries) vessel( U01 )



- Repair and maintain out board installed petrol / kerosene engine of one day Floating (Fisheries) vessels (U02 )
- Repair and maintain the steering system of Floating (Fisheries) vessels (U03 )
- Repair and maintain of auxiliary machinery / equipment of Floating (Fisheries) vessels (U04 )
- Identify faults and align the engine and power transmission system of Floating (Fisheries) vessels (U05 )

### Packaging for National Vocational Qualifications (NVQ)

- National Certificate at NVQ Level 03 in the occupation of Floating (Fisheries) Vessel Mechanic will be awarded to those who are competent in units 01 +02
- National Certificate at NVQ Level 04 in the occupation of Floating (Fisheries) Vessel Mechanic will be awarded to those who are competent in units 01+ 02+03+04+05

### ENTRY REQUIREMENTS

**This course is open to those who meet the minimum standards and requirements set forth below.**

The candidate should have been found competent in “Basic competencies to work “to be eligible for the award of this qualification. School leavers who studied up to G.C.E. (O/L) Examination, occupational experience, and physically sound

## WELDER-( NVQ- 4 )



This course is designed as a basic program for those who wish to obtain a national certificate at NVQ level-03 and 04, a requirement to work as a Welder. This course has designed to provide systematic and organized training to acquire the skills and knowledge required for the latest techniques and procedures for beginning to advance welding and cutting processes.

This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conduct in line with the national competency standards (NCS).

**COURSE TYPE - Full Time**

**MEDIUM - English /Sinhala**

**DURATION - 06 Months with 06 months OJT**

**LOCATION** - Mattakuliya, Panadura, Batticaloa, Negombo,

**COURSE COMMENCEMENT DATES** - January 2021, May 2021, and September 2021

**JOB MARKET;** AS A WELDER SPECIALY IN PRIVET SECTOR ( LOCAL AND FOREIGN COMPANY ) AND PUBLIC SECTOR AS WELL AS SELF-EMPLOYEMENTS.

### **COURSE MODULES**

- Cut steel by Oxy-acetylene / Oxy fuel flame
- Weld steel plates by manual metal arc welding In Flat, Horizontal, vertical, overhead position
- Weld steel plates by Oxy Acetylene welding in flat, Horizontal, vertical, overhead position
- Weld steel plates by Metal Active Gas welding (MAG) welding in all positions
- Weld stainless steel pipes by Metal Inert Gas (MIG) welding in all positions
- Weld nonferrous metal pipes by Metal Inert Gas (MIG) welding in all Position
- Weld stainless steel Pipes by Tungsten Inert Gas (TIG) welding in all positions, Perform metal spraying and hard facing, Weld metal by submerged arc welding process, cut metal by plasma cutting process

### **ENTRY REQUIREMENTS**

**This course is open to those who meet the minimum standards and requirements set forth below.**

The candidate should have been found competent in “Basic Competencies to work” to be eligible for the award of this qualification. School leavers who upto G.C.E. (O/L) Examination, occupational experience, and physically sound



## WHARF CLERK ( NVQ- 3 / 4 )



The import and export of goods from Sri Lanka are governed by rules and regulations of the Customs Department. All the activities related to imports, exports and clearing from the customs are handled by an officer of the clerical grade known as wharf clerk. The wharf clerk acts as liaison between the importer and the exporter as well as the customs, seaport, airport and related

departments and authorities use agencies are directly connected to import and export work and procedures.

The wharf clerk plays a key role in the procedures connected to imports and exports and is responsible for necessary paper work in accordance with the values and regulations governing imports and exports.

Thus the responsibilities of the wharf clerk cover a wide base in relation external trade and from the stage of packing of goods until transported to the relevant vessel.

A wharf clerk is a consequence expected to possess a thorough knowledge of all aspects and formalities connected to shipping.

Such knowledge should essentially relate to sea-borne cargo as well as air cargo. It is also highly advantage to a wharf clerk to have a wide under stand of duties, specially payable by importers such as VAT and exercise duty to should also be fit and active person who is able to relate to customs authorities with the necessary ability and personality skills .This course was designed to fulfill above mention skill persons by training under the NVQ frame work.

This course is approved by the Tertiary & Vocational Education Commission (TVEC) and conduct in line with the national competency standards (NCS).

**COURSE TYPE— Full Time /Part Time**

**MEDIUM— Sinhala/English**

**DURATION— 06 months with 06 months OJT**

**LOCATION— Galle, Negombo, Panadura**

**JOB MARKET :** customs, seaport, airport and related departments and authorities as well as Export and Import company as a wharf clerk.

### Course Module

- Check Documents required for clearing of imports and forwarding export – U01
- Prepare CUSDEC for Customs approval (imports) /export-U02
- Facilitate release of cargo to importers –U03
- Facilitate forwarding of cargo to exports-U04

**Packaging for National Vocational Qualifications ( NVQ)**

- National Certificate at NVQ Level 3 in the occupation of wharf clerk will be awarded to those who are competent in units 1+3 +4
- National Certificate at NVQ Level 4 in the occupation of wharf clerk will be awarded to those who are competent in units 1+2+3+4

**ENTRY REQUIREMENTS**

Passed G.C.E. (O/L), or posses similar theoretical knowledge of shipping wharf and good working knowledge in English

## **NON NVQ COURSES**

<b>Marine Chart Reading, Communication and Operation of Satellite Navigator .</b>	<b>38</b>
<b>Swimming.....</b>	<b>39</b>
<b>Ornamental Fish Culture and Management .....</b>	<b>40</b>
<b>Fishing Vessel Skipper .....</b>	<b>41</b>

### **What is Non NVQ Courses and who needs it?**

Non NVQ courses are short-term courses introduced by the Ocean University of Sri Lanka to enhance the knowledge and skills of the industry and the individuals but do not developed National Standards

### **Who is Non NVQ Courses for?**

Those who are already engaged in a relevant profession in the world of work can participate in these courses for the future improvement of their career and anyone who hopes to prepare for future as an entrepreneur. The basic qualification for this is whether you are engaged in a relevant profession or your desire to study this course.

## MARINE CHART READING, COMMUNICATION AND OPERATION OF SATELLITE NAVIGATOR



*This course is designed as a gap filling program in Maritime and fisheries sector for those who wish to improve their career. It will also help them in their future careers.*

*This course will also help university students in their further studies and future careers.*

*This course has designed to provide systematic and organized training in planning a voyage using marine chart and*

*to acquire the skills and knowledge required to use a satellite navigator at different time.*

***COURSE TYPE--Full Time/Part Time***

***MEDIUM—Sinhala/Tamil***

***COURSE COMMENCEMENT DATES—On Demand***

***DURATION—10 Days***

***LOCATION—Mattakuliya, Panadura, Galle, Tangalle, Batticaloa, Trincomalee, Jaffna, Negombo***

### ***COURSE MODULES***

- *Marine Chart Reading (Theory & Practical)*
- *Communication (Theory & Practical)*
- *Operation of Satellite Navigator (Theory & Practical)*



### ***ENTRY REQUIREMENTS***

*This course is open to those who are working in relevant field or willingness for this field*

## SWIMMING



*This course is designed as a basic course of Scuba Diving NVQ Level 3/4, Life Guard NVQ Level 3/4 and Under Water welding and Cutting NVQ Level 3/4 courses. And also helps to make a person in good health, to train as a sport and to save lives.*

*This course is designed to provide you with the skills and knowledge needed to provide a systematic and organized training in each of the swimming techniques, using safety techniques and improving your physical fitness.*

***COURSE TYPE--Full Time/ Part Time***

***MEDIUM—Sinhala/Tamil***

***COURSE COMMENCEMENT DATES—January, July 2021***

***DURATION—108 Hrs***

***LOCATION—Panadura, Galle, Tangalle, Batticalo, Trincomalee, Jaffna, Negombo***

### ***COURSE MODULES***

- *Introduction to water skill*
- *Enhancing physical fitness*
- *Safety swimming*

### ***ENTRY REQUIREMENTS***

*This course is open to those who interest for this field. Physical fitness is also essential*



## ORNAMENTAL FISH CULTURE AND MANAGEMENT



*This course is designed as a gap filling program in fisheries sector and anyone who hopes to prepare for future as an entrepreneur he can follow this course.*

*This course will also help university students and School students in their further studies and future careers.*

*This course has designed to provide systematic and*

*organized training create a entrepreneur.*

***COURSE TYPE--Full Time/Part Time***

***MEDIUM—Sinhala/Tamil***

***COURSE COMMENCEMENT DATES—On Demand***

***DURATION—15 Days***

***LOCATION—Mattakuliya, Panadura, Tangalle, Batticaloa, Trincomalee, Jaffna, Negombo***

### ***COURSE MODULES***

- *Principles in Ornamental Fish Culture*
- *Construction & Maintenance of Aquarium*
- *Ornamental Fish Breeding*
- *Fish Nutrition*
- *Diseases & Treatments*
- *Fish Industry & Export Market*

### ***ENTRY REQUIREMENTS***

*This course is open to those who interest for this field*





## FISHING VESSEL SKIPPER



*This course is designed as a skill upgrading program in fisheries sector on request of Department of Fisheries and Aquatic Resources and anyone who hopes to prepare future as a Fishing vessel Skipper can follow this course with recommendation of Department of Fisheries and Aquatic Resources. This course is a mandatory*

requirement for the skipper license issued by the Department of Fisheries and Aquatic Resources

*Fishing Vessel Skipper course will also qualify you for overseas employment in the relevant field.*

*This course is designed to provide systematic and organized training in upgrading new skills and knowledge. And also this is approved by the Department of Fisheries and Aquatic Resources in line with the international requirements.*

***COURSE TYPE--Full Time***

***MEDIUM—Sinhala/Tamil***

***COURSE COMMENCEMENT DATES—On Demand***

***DURATION—07 Days***

***LOCATION—Mattakuliya, Panadura, Galle, Tangalle, Batticaloa, Trincomalee, Jaffna, Negombo***

***COURSE MODULES***

- *Seamanship and Navigation*
- *Rule of the Road, International Law for the Fishing Operation, Law and regulation for high sea Fisheries, Fish post harvest and quality management*
- *Life saving at sea, Marine metrology, pollution, prevention and conservation.*
- *Emergency awareness at sea, international code of signal and communication*
- *Firefighting, first aid, diving, inboard engine technology, on- board training*

***ENTRY REQUIREMENTS***

*This course is open to those who have already worked as a skipper of fishing vessel and according to the recommendation of the Department of Fisheries and Aquatic Resources*

## MOBILE COURSES

OBM ENGINE Repair and Maintenance .....42

National Diploma in Aquaculture and Aquatic Resources Management

### OBM ENGINE REPAIR AND MAINTENANCE



*After completion this programme will be able to understand the regular preventive repair & maintenance and prompt corrective repair & maintenance, and keeping maintenance records and be aware of its importance as such able to ensure long life of an engine, also able to detecting a fault of on engine and minimize the unnecessary repairs expenditures, as it to able increase the products and profit margin (as trouble free an engine) but also trainees able to gain knowledge of repair of an engine and identify the correct parts names of engine*

**COURSE TYPE** - Full Time

**MEDIUM** - Sinhala/Tamil

**DURATION** - 03 Days

**CONDUCTING REGIONAL CENTERS** - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa

**COURSE COMMENCEMENT DATES**—On demand

**COURSE MODULES**

- *Preventive & Corrective Maintenance*
- *Two stroke out board motor engine*
- *Maintenance of fuel system*
- *Maintenance of cooling system*
- *Maintenance ignition system*

**TARGET GROUP**

*This course is open to those who are stake holder of fisheries industry*

## **REPAIR AND MAINTENANCE OF MARINE ENGINE (IN-BOARD)**



*After completion this programme will be able to understand and gain skill for the regular preventive maintenance and prompt corrective maintenance, and keeping maintenance records and be aware of its importance as such able to ensure long life of an in-board engine, also able to detecting a fault of on engine and minimize the unnecessary repairs expenditures, as it to able increase the products and profit margin (as trouble free an engine) but also trainees able to*

*gain knowledge of repair of an in-board engine and identify the correct parts names of engine*

***COURSE TYPE - Full Time***

***MEDIUM - Sinhala/Tamil***

***DURATION - 03 Days***

***CONDUCTING REGIONAL CENTERS - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa***

***COURSE COMMENCEMENT DATES—On demand***

### ***COURSE MODULES***

- *Four stroke diesel engine (in-board)*
- *Maintenance of engine (in-board)*
- *Minor Repairs of Marine engine operation*
- *Records keeping*

### ***TARGET GROUP***

***This course is open to those who are stake holder of fisheries industry***

## FISHING GEAR REPAIR AND MAINTENANCE



*This Programme is designed to improving professional knowledge of fishermen. After completion of this programme fishermen are able to do mending their damaged fishing net in professional way and fishermen themself able to make their fishing gears. Proper maintenance of gear lead to long life. This programme had better to follow womens who are in fishing family to save time and money*

***COURSE TYPE--Full Time***

***MEDIUM—Sinhala/Tamil***

***DURATION— 04 Days***

***CONDUCTING REGIONAL CENTERS - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa***

***COURSE COMMENCEMENT DATES—On demand***

### ***COURSE MODULES***

- *Identification of fishing gear materials*
- *Net cutting and mending*
- *Preparation of Fishing Gears.*
- *Resource management*
- *Knots and splices (practical)*

### ***TARGET GROUP***

*This course is open to those who are stake holder of fisheries industry*

# REPAIR AND MAINTENANCE OF FIBER GLASS BOATS



*This programme is designed to learn how to repair and maintain of fiberglass boats effectively and safely. This programme includes health and safety aspects, mixing ratios, Application technique, Repairs and prepare estimate much. Fisherman will be able to rectify their damaged fiberglass boats.*

***COURSE TYPE--Full Time***

***MEDIUM—Sinhala/Tamil***

***DURATION—03 Days***

***CONDUCTING REGIONAL CENTERS - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa***

***COURSE COMMENCEMENT DATES—On demand***

## ***COURSE MODULES***

- *Identification materials & tools*
- *Preparation of estimate*
- *Management and usage of materials*
- *Repair of damaged boats*
- *Acknowledge of environment protection*

## ***TARGET GROUP***

*This course is open to those who are stake holder of fisheries industry*

## POST HARVEST TECHNOLOGY



*This programme is designed to provide knowledge and skills regarding the preservation and prepare of value added fishing products.*

*Fishing family will be able to prepare value added product and increase their income as a self employment.*

***COURSE TYPE--Full Time***

***MEDIUM—Sinhala/Tamil***

***DURATION—03 Days***

***CONDUCTING REGIONAL CENTERS - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa***

***COURSE COMMENCEMENT DATES—On demand***

### ***COURSE MODULES***

- *Identifying the quality of fish*
- *Hygienic practices*
- *Value added techniques for preparation of, Jaady, Maldives fish, Smoke fish, Ambul fish, Dry fish, BQQ fish, . . . etc.*

### ***TARGET GROUP***

*This course is open to those who are willing to do self employment.*

# Marine Chart Reading Communication & Operation of Satellite Navigator



*This programme is designed to improve the knowledge and skills regarding safe and efficient navigation for fishing voyages. GPS provide the fastest and most accurate method for fishermen to navigate measure distance and speed, and determine location. This enables increased levels of safety and efficiency for fishermen GPS equipment help to fisherman to save time and fuel through more efficient routing this programme*

*include signals for day and night, Mariners importance knots and marine laws.*

***COURSE TYPE--Full Time***

***MEDIUM—Sinhala/Tamil***

***DURATION—03 Days***

***CONDUCTING REGIONAL CENTERS - Tangalle, Mattakuliya, Panadura, Galle, Negombo, Jaffna, Trincomalee and Batticaloa***

***COURSE COMMENCEMENT DATES—On demand***

## ***COURSE MODULES***

- *Chart Reading*
- *Basic Navigation*
- *Communication*
- *GPS navigator*

## ***TARGET GROUP***

*This course is open to those who are stake holder of fisheries industry*

