



Cochin University of Science and Technology

Register Number : 50123522

FACULTY OF ENGINEERING

*The Academic Council of the Cochin University of Science and Technology
hereby makes known that*

RANASINGHE ARACHCHIGE PASAN HIRUSHA RANASINGHE

*has been awarded the Degree of
MASTER OF TECHNOLOGY
in
Marine Technology*

*He/She having undergone the prescribed course of study and having been certified by
duly appointed examiners to be qualified to receive the same and placed by them in the*

First Class with Distinction
*at the examination held in
July 2023.*

Given under the seal of the University this day, 18 March, 2024.

Kochi - 682 022

Kerala, India.

0139931



Vice-Chancellor

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

PROVISIONAL CERTIFICATE



COCHIN UNIVERSITY OF
SCIENCE AND TECHNOLOGY

*Certified that RANASINGHE ARACHCHIGE PASAN
HIRUSHA RANASINGHE, Register Number: 50123522 has passed the*

*M.Tech. Examination, July 2023. He/She has qualified for the award of the
Degree of Master of Technology in Marine Technology and is placed in First*

Class with Distinction.

September 30, 2023

KOCHI - 682 022

205433

CONTROLLER OF EXAMINATIONS



KOCHI - 682 022

Cochin University of Science and Technology

KOCHI - 682 022, INDIA



Section : Exam 'W'

MEMORANDUM

Serial No. : 0672309

Dated : 30.09.2023

The following is the statement of grades awarded to **RANASINGHE ARACHCHIGE PASAN HIRUSHA RANASINGHE** for the **M.Tech in Marine Technology Examination** held in **July 2023**.

Register Number: 50123522

| Subject Code | Subject | Core/ Elective | Credit | Grade |
|--|---|-------------------|--------|-------|
| Semester - I | | | | |
| 20.01.01 | Marine Propulsion Plants | C | 3 | A |
| 20.01.02 | Marine Internal Combustion Engines and Gas Turbines | C | 3 | B |
| 20.01.03 | Marine Steam and Nuclear Plants | C | 3 | B |
| 20.01.04 | Basics of Marine Auxiliaries and Systems | C | 3 | A |
| 20.01.05 | Naval Architecture | C | 3 | S |
| 20.01.06 | Naval Technical Management and Administration | C | 2 | A |
| Semester - II | | | | |
| 20.02.01 | Advanced Marine IC Engines | C | 3 | B |
| 20.02.02 | Gas Turbines and Associated Systems | C | 3 | A |
| 20.02.03 | Marine Auxiliary Machinery and Systems | C | 3 | A |
| 20.02.04 | Warship Transmission | C | 2 | A |
| 20.02.05 | Mechatronics | C | 3 | B |
| 20.02.06 | Controls and Instrumentation | C | 3 | B |
| 20.02.08 | Basic Control Engineering | E | 3 | C |
| 20.02.09 | Nuclear, Biological and Chemical Warfare | C | 3 | B |
| 20.02.10 | Divisional and Management Studies | C | 4 | A |
| 20.02.11 | Marine Electrical Technology | C | 1 | C |
| Semester - III | | | | |
| 20.03.01 | Military Leadership and Behavioural Studies | C | 3 | B |
| 20.03.02 | Maritime Warfare and Strategic Studies | C | 1 | C |
| 20.03.03 | Marine Propulsion Control Technology | C | 4 | B |
| 20.03.04 | Maintenance and Failure Analysis of IC Engines | C | 2 | C |
| 20.03.05 | Maintenance and Failure Analysis of Gas Turbines | C | 2 | C |
| 20.03.06 | Advanced Marine Engineering | C | 2 | D |
| 20.03.07 | Hull Maintenance | C | 2 | A |
| 20.03.08 | Network Fundamentals | C | 2 | D |
| 20.03.09 | Control Concepts | C | 3 | C |
| 20.03.11 | Micro Processor and Digital Electronics | E | 2 | A |
| 20.03.12 | Project Phase-I | C | 2 | A |
| Semester - IV | | | | |
| 20.04.01 | Engine Room Watch Keeping Phase | C | 6 | A |
| 20.04.02 | Project Phase-II | C | 4 | C |
| Total Credits acquired – Core: 75/ Elective:5 | | | | |
| CGPA - 8.18 | | | | |

(Grading Scale given overleaf)



Asst / S.O / A.R / D.R

CONTROLLER OF EXAMINATIONS

$$\text{CGPA} = \frac{G1C1+G2C2+G3C3+\dots+GnCn}{C1+C2+C3+\dots+Cn}$$

GRADING SCALE

| Range of Marks | Grade | Weightage |
|----------------|-------------------|-----------|
| 90% and above | S (Outstanding) | 10 |
| 80-89.9 % | A (Distinguished) | 9 |
| 70-79.9 % | B (Above average) | 8 |
| 60-69.9 % | C (High Average) | 7 |
| 50-59.9 % | D (Average) | 6 |
| Below 50% | F (Failure) | 0 |

CLASSIFICATION SCALE

| <u>Classification</u> | <u>CGPA</u> |
|------------------------------------|---------------|
| First Class with Distinction (FCD) | 8 and above |
| First Class (FC) | 6.5 and above |
| Second Class (SC) | 6 and above |