



# Cochin University of Science and Technology

കൊച്ചി ശാസ്ത്ര സാങ്കേതിക സർവകലാശാല

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



*[Signature]*  
Vice-Chancellor



# COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY



## PROVISIONAL CERTIFICATE

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**



# 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
<b>Semester - I</b>				
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
<b>Semester - II</b>				
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
<b>Semester - III</b>				
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
<b>Semester - IV</b>				
20.04.01	Engine Room Watch Keeping Phase	C	6	A
20.04.02	Project Phase-II	C	4	C
<b>Total Credits acquired - Core:75/ Elective:5</b>				<b>CGPA - 8.18</b>

(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

#### Classification

First Class with Distinction (FCD)  
 First Class (FC)  
 Second Class (SC)

#### CGPA

8 and above  
 6.5 and above  
 6 and above