

10/12/21

UP TO
₹. 20,000/-

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

PROGRAMME APPROVAL FORM

AD - 12 - PP
REV.1
01.01.2021

Proposal Tracking No. KEC / CER / 2020-21/03/0155

Dept. Ref. No.: CE/2020-2021/035

Date: 03/03/2021

1. Department:	Civil Engg.		
2. a). Name of the Programme	One Credit Course on Ocean & Coastal Engg.		
b). Norms under which it is proposed	One Credit Course		
3. Dates:	From: 08/03/21	TO: 26/03/21	No. of Days 15+Hours ✓ 15 = 30
4. Programme for:	Faculty	Students ✓	Others (Specify)
5. Level:	State / National / International	Association	Institution / Dept. / Coll. / General
6. Highlights of the Programme:	This course helps the students to enrich their knowledge in Ocean & Coastal Engg.		

1. Proposed Invitees: -25 Students - II & III yr.

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	—	—	Dr. B. Nirmalkumar	—
2				

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No ✓

3. Expenditure: Nil

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1					
2					
3					
4					
5					
6					
Total		—			

4. Source Nil Amount

Budget Allotment		Sponsors -	Proposed	Actual
Balance Amt. Available		KEC -		
Expenses Proposed		Registration -		
Balance				

(K. Nirmalkumar)
Faculty i/c (with Name)

H.O.D

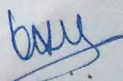
CCO (A)

PRINCIPAL

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060
DEPARTMENT OF CIVIL ENGINEERING

Day wise details about the one credit course on '18VAC19 Ocean and Coastal Engineering'

Day 1	Introduction
Day 2	Physical Properties of sea water
Day 3	Ocean Currents
Day 4	Forces acting on sea water
Day 5	Generation of waves
Day 6	Classification of waves
Day 7	Refraction of waves
Day 8	Reflection of waves
Day 9	Waves breaking in shallow water
Day 10	Waves breaking in deep water
Day 11	Coastal Engineering
Day 12	Coastal management
Day 13	Current Challenges in coastal management
Day 14	Coastal Sediment processes
Day 15	Coastal Protection Measures
Day 16	Breakwaters, Groynes, Sea walls, Revetments, Rock armour, Gabions & Cliff Stabilization
Day 17	Entrance Training walls, Floodgates & sand bypassing
Day 18	Beach nourishment, Monitoring coastal zones, Event Warning systems
Day 19	Shoreline Mapping
Day 20	Shoreline indicator
Day 21	Measurement of waves
Day 22	Soundings Equipments
Day 23	Lunar Tides
Day 24	Solar Tides
Day 25	Mean sea level
Day 26	Tsunami
Day 27	Aerial Photographs
Day 28	Historical maps
Day 29	Delineation of shoreline
Day 30	Beach profiling surveys.


Dr. K. Nirmalkumar

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060
SCHOOL OF BUILDING AND MECHANICAL SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

Ref: KEC/SBMS/CE/KNK/2020-21/OCC/01,

Date: 26.02.2021

CIRCULAR

It is planned to conduct an One Credit Course titled '18VAC19 - Ocean and Coastal Engineering' for the benefit of the second and third year students at **free of cost**. The course starts from 08-03-2021 (Monday) and the classes will be conducted from 4.30 p.m to 5.30 pm through online. The duration is 30 hours and the student enrollment is limited to 30. The resource person is Dr. K Nirmalkumar (Professor/Civil). The interested students are asked to enroll their names to Dr. K Nirmalkumar (Professor/Civil) on or before 04-03-2021.

Dr. K Nirmalkumar
26/02/2021
HOD / Civil Engineering

ball
26/02/2021

18VAC19 – OCEAN AND COASTAL ENGINEERING

L	T	P	Credit
1	0	0	1

Preamble	This course imparts knowledge about the physical properties and characteristics of the ocean water, generation of waves, coastal management, coastal sediment processes, coastal deformation, coastal protection measures and measurement of waves.	10
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Unit - I	Ocean Engineering: Introduction – Physical Properties of sea water – Ocean Currents – Forces acting on sea water – Generation of waves – Classification of waves – Refraction of waves – Reflection of waves – Waves breaking in shallow water.	10
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Unit - II	Coastal Engineering: Coastal Engineering – Coastal management – Current Challenges in coastal management – Coastal Sediment processes – Coastal Protection Measures – Breakwaters – Groynes – Sea walls – Revetments – Rock armour – Gabions – Cliff Stabilization – Entrance Training walls – Floodgates – sand bypassing – Beach nourishment – Monitoring coastal zones – Event Warning systems – Shoreline Mapping – shoreline indicator.	10
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Unit - III	Ocean Measurements: Measurement of waves – Soundings Equipments – Lunar Tides – Solar Tides – Mean sea level – Tsunami – Aerial Photographs – Historical maps – Delineation of shoreline – Beach profiling surveys.	10
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Total: 30

REFERENCES:

1. John Fenton, "Coastal and Ocean Engineering", Course Material, TU Wien, Institute for Wasserbau und Ingenieurhydrologie, Karlsplatz, Wien, 2017.
2. Balaji R. & Behera M.R., "Coastal Processes and Modelling", Course Material, Continuing Education & Quality Improvement Programme, Indian Institute of Technology Bombay, Mumbai, 2014.
3. Balaji R. & Behera M.R., "Coastal Engineering: Basics, Design and Application", Course Material, Continuing Education & Quality Improvement Programme, Indian Institute of Technology Bombay, Mumbai, 2015.

COURSE OUTCOMES:

On completion of the course, the students will be able to

**BT Mapped
(Highest Level)**

Remembering (K1)

Applying (K3)

Understanding (K2)

CO1 explain the properties of sea water, generation of waves

CO2 describe the coastal engineering and management, coastal protection and breakwaters

CO3 describe the measurement of waves and process of Tsunami

Mapping of COs with POs and PSOs

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2					2							
CO2	3	2					2							
CO3	3	2					2							

1 – Slight, 2 – Moderate, 3 – Substantial, BT- Bloom's Taxonomy

ASSESSMENT PATTERN

Test / Bloom's Category	Remembering (K1) %	Understanding (K2) %	Applying (K3) %	Analyzing (K4) %	Evaluating (K5) %	Creating (K6) %	Total %
Assessment1 (45 marks)	50	30	20				100
Assessment2 (45 marks)	50	30	20				100
Assignment (10 marks)		50	50				100

Signature
Signature of the Chairman
Board of Studies - CIVE



**KONGU ENGINEERING COLLEGE**

(Autonomous)

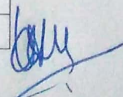
PERUNDURAI – 638060

INTERNAL QUALITY ASSURANCE CELL

Department of Civil Engineering

One Credit Course on '18VAC19 - Ocean and Coastal Engineering'
Nominal Roll

S.NO.	ROLL NO.	NAME OF THE STUDENT
1.	19CER001	AARANI DEVI R
2.	19CER002	AARTHI R
3.	19CER004	ABINESH N K
4.	19CER009	ARAVINTH T
5.	19CER011	ARUN R
6.	19CER013	BALA MURALI KRISHNA B
7.	19CER016	BHARANI S
8.	19CER018	CHANDRU B
9.	19CER022	DHARANIDHARAN J
10.	19CER024	DHARSINI N
11.	19CER030	GOKUL P S
12.	19CER032	GOWSHIK V L
13.	19CER033	GOWTHAM S
14.	19CER034	GURUNATH S R
15.	19CER035	HANISH J P
16.	19CER040	HARISH V
17.	19CER041	HARSHVARDHAN B
18.	18CER098	MONISHA.P
19.	18CER103	MUTHUISWARYA.S
20.	18CER113	NIDHARSHANA S
21.	18CER114	NIKHIL SUNDAR
22.	18CER115	NITHESH KUMAR S M
23.	18CER116	OVIYA S
24.	18CER119	PEERZADA FAIZAN RASOOL
25.	18CER121	POONGODI T
26.	18CER122	PRABANJAN S
27.	18CER132	RAGULNATH K O C
28.	18CER133	RAJA RETHINAM S
29.	18CER137	RAJGOPALSAMY G
30.	18CER166	SOWNDARYA G


 (Dr. K NIRMALKUMAR)

S.NO.	REG. NO.	YEAR & SECTION	NAME OF THE STUDENT	MARKS
1.	19CER001	II YEAR "A"	AARANI DEVI R	76
2.	19CER002	II YEAR "A"	AARTHI R	70
3.	19CER004	II YEAR "A"	ABINESH N K	64
4.	19CER009	II YEAR "A"	ARAVINTH T	66
5.	19CER011	II YEAR "A"	ARUN R	60
6.	19CER013	II YEAR "A"	BALA MURALI KRISHNA B	72
7.	19CER016	II YEAR "A"	BHARANI S	64
8.	19CER018	II YEAR "A"	CHANDRU B	68
9.	19CER022	II YEAR "A"	DHARANIDHARAN J	70
10.	19CER024	II YEAR "A"	DHARSINI N	72
11.	19CER030	II YEAR "A"	GOKUL P S	66
12.	19CER032	II YEAR "A"	GOWSHIK V L	58
13.	19CER033	II YEAR "A"	GOWTHAM S	62
14.	19CER034	II YEAR "A"	GURUNATH S R	66
15.	19CER035	II YEAR "A"	HANISH J P	64
16.	19CER040	II YEAR "A"	HARISH V	ABSENT
17.	19CER041	II YEAR "A"	HARSHVARDHAN B	72
18.	18CER098	III YEAR "C"	MONISHA.P	78
19.	18CER103	III YEAR "C"	MUTHUISWARYA.S	80
20.	18CER113	III YEAR "C"	NIDHARSHANA S	68
21.	18CER114	III YEAR "C"	NIKHIL SUNDAR	72
22.	18CER115	III YEAR "C"	NITHESH KUMAR S M	70
23.	18CER116	III YEAR "C"	OVIYA S	76
24.	18CER119	III YEAR "C"	PEERZADA FAIZAN RASOOL	66
25.	18CER121	III YEAR "C"	POONGODI T	78
26.	18CER122	III YEAR "C"	PRABANJAN S	72
27.	18CER132	III YEAR "C"	RAGULNATH K O C	70
28.	18CER133	III YEAR "C"	RAJA RETHINAM S	74
29.	18CER137	III YEAR "C"	RAJGOPALSAMY G	72
30.	18CER166	III YEAR "D"	SOWNDARYA G	76

(Dr. K NIRMAL KUMAR)

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1.	19CER001	II YEAR "A"	AARANI DEVI R	66
2.	19CER002	II YEAR "A"	AARTHI R	64
3.	19CER004	II YEAR "A"	ABINESH N K	70
4.	19CER009	II YEAR "A"	ARAVINTH T	64
5.	19CER011	II YEAR "A"	ARUN R	70
6.	19CER013	II YEAR "A"	BALA MURALI KRISHNA B	72
7.	19CER016	II YEAR "A"	BHARANI S	68
8.	19CER018	II YEAR "A"	CHANDRU B	70
9.	19CER022	II YEAR "A"	DHARANIDHARAN J	66
10.	19CER024	II YEAR "A"	DHARSINI N	68
11.	19CER030	II YEAR "A"	GOKUL P S	72
12.	19CER032	II YEAR "A"	GOWSHIK V L	72
13.	19CER033	II YEAR "A"	GOWTHAM S	70
14.	19CER034	II YEAR "A"	GURUNATH S R	64
15.	19CER035	II YEAR "A"	HANISH J P	65
16.	19CER040	II YEAR "A"	HARISH V	ABSENT
17.	19CER041	II YEAR "A"	HARSHVARDHAN B	70
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19.	18CER103	III YEAR "C"	MUTHUISWARYA.S	74
20.	18CER113	III YEAR "C"	NIDHARSHANA S	76
21.	18CER114	III YEAR "C"	NIKHIL SUNDAR	72
22.	18CER115	III YEAR "C"	NITHESH KUMAR S M	70
23.	18CER116	III YEAR "C"	OVIYA S	82
24.	18CER119	III YEAR "C"	PEERZADA FAIZAN RASOOL	72
25.	18CER121	III YEAR "C"	POONGODI T	76
26.	18CER122	III YEAR "C"	PRABANJAN S	72
27.	18CER132	III YEAR "C"	RAGULNATH K O C	76
28.	18CER133	III YEAR "C"	RAJA RETHINAM S	76
29.	18CER137	III YEAR "C"	RAJGOPALSAMY G	68
30.	18CER166	III YEAR "D"	SOWNDARYA G	76

(Dr. K NIRMALKUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060
DEPARTMENT OF CIVIL ENGINEERING
ONE CREDIT COURSE ON
18VAC19 - OCEAN AND COASTAL ENGINEERING
ASSIGNMENT MARKS

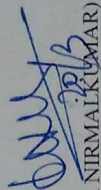
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2.	19CER002	II YEAR "A"	AARTHI R	7
3.	19CER004	II YEAR "A"	ABINESH N K	8
4.	19CER009	II YEAR "A"	ARAVINTH T	7
5.	19CER011	II YEAR "A"	ARUN R	7
6.	19CER013	II YEAR "A"	BALA MURALI KRISHNA B	7
7.	19CER016	II YEAR "A"	BHARANI S	8
8.	19CER018	II YEAR "A"	CHANDRU B	7
9.	19CER022	II YEAR "A"	DHARANIDHARAN J	8
10.	19CER024	II YEAR "A"	DHARSINI N	7
11.	19CER030	II YEAR "A"	GOKUL P S	8
12.	19CER032	II YEAR "A"	GOWSHIK V L	9
13.	19CER033	II YEAR "A"	GOWTHAM S	8
14.	19CER034	II YEAR "A"	GURUNATH S R	7
15.	19CER035	II YEAR "A"	HANISH J P	8
16.	19CER040	II YEAR "A"	HARISH V	8
17.	19CER041	II YEAR "A"	HARSHVARDHAN B	9
18.	18CER098	III YEAR "C"	MONISHA.P	8
19.	18CER103	III YEAR "C"	MUTHUISWARYA.S	9
20.	18CER113	III YEAR "C"	NIDHARSHANA S	8
21.	18CER114	III YEAR "C"	NIKHIL SUNDAR	8
22.	18CER115	III YEAR "C"	NITHESH KUMAR S M	8
23.	18CER116	III YEAR "C"	OVIYA S	8
24.	18CER119	III YEAR "C"	PEERZADA FAIZAN RASOOL	7
25.	18CER121	III YEAR "C"	POONGODI T	8
26.	18CER122	III YEAR "C"	PRABANJAN S	8
27.	18CER132	III YEAR "C"	RAGULNATH K O C	8
28.	18CER133	III YEAR "C"	RAJA RETHINAM S	7
29.	18CER137	III YEAR "C"	RAJGOPALSAMY G	8
30.	18CER166	III YEAR "D"	SOWNDARYA G	7

(Dr. K NIRMALKUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060
DEPARTMENT OF CIVIL ENGINEERING
One Credit Course on '18VAC19 - Ocean and Coastal Engineering'
Attendance Details

S.NO.	ROLL NO.	NAME OF THE STUDENT	8/3	9/3	10/3	11/3	12/3	15/3	16/3	18/3	19/3	20/3
1.	19CER001	AARANI DEVI R	/	/	A	/	/	/	/	/	/	/
2.	19CER002	AARTHI R	/	/	A	/	/	/	/	/	/	/
3.	19CER004	ABINESH N K	/	/	/	/	/	A	/	/	/	/
4.	19CER009	ARAVINTH T	/	/	/	/	/	/	/	A	A	/
5.	19CER011	ARUN R	/	/	/	/	A	A	/	/	/	/
6.	19CER013	BALA MURALI KRISHNA B	/	A	A	A	/	/	/	/	/	/
7.	19CER016	BHARANI S	/	A	/	/	/	/	/	/	/	/
8.	19CER018	CHANDRU B	/	/	/	/	/	/	/	/	/	/
9.	19CER022	DHARANIDHARAN J	/	/	/	/	/	/	/	/	/	/
10.	19CER024	DHARSINI N	/	A	/	A	/	/	A	/	/	/
11.	19CER030	GOKUL P S	/	/	/	/	/	A	/	/	/	/
12.	19CER032	GOWSHIK V L	A	/	/	/	/	A	/	/	/	/
13.	19CER033	GOWTHAM S	A	/	/	/	/	/	/	/	/	/
14.	19CER034	GURUNATH S R	/	/	/	/	/	/	/	/	/	/
15.	19CER035	HANISH J P	/	A	/	/	/	A	/	/	/	/
16.	19CER040	HARISH V	/	/	A	A	A	/	/	/	/	A
17.	19CER041	HARSHVARDHAN B	/	/	/	/	/	/	/	/	/	/

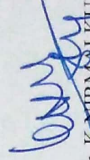
18.	18CER098	MONISHA.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	18CER103	MUTHUISWARYA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	18CER113	NIDHARSHANA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	18CER114	NIKHIL SUNDAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	18CER115	NITHESH KUMAR S M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	18CER116	OVIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	18CER119	PEERZADA FAIZAN RASOOL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	18CER121	POONGODI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	18CER122	PRABANJAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	18CER132	RAGULNATH K O C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	18CER133	RAJA RETHINAM S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	18CER137	RAJGOPALSAMY G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	18CER166	SOWNDARYA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


(Dr. K NIRMALKUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060
DEPARTMENT OF CIVIL ENGINEERING
One Credit Course on '18VAC19 - Ocean and Coastal Engineering'
Attendance Details

S.NO.	ROLL NO.	NAME OF THE STUDENT	22/3	23/3	24/3	25/3	26/3	29/3	30/3	31/3	7/4	8/4
1.	19CER001	AARANI DEVI R	/	/	/	/	/	/	/	A	/	/
2.	19CER002	AARTHI R	/	/	/	/	/	/	/	A	/	/
3.	19CER004	ABINESH N K	/	/	/	/	/	/	/	/	/	/
4.	19CER009	ARAVINTH T	/	/	/	/	/	/	/	/	/	/
5.	19CER011	ARUN R	/	/	/	/	/	/	/	/	/	A
6.	19CER013	BALA MURALI KRISHNA B	/	/	/	/	/	/	A	A	A	/
7.	19CER016	BHARANI S	/	/	/	/	/	/	A	/	/	/
8.	19CER018	CHANDRU B	/	/	/	/	/	/	/	/	/	/
9.	19CER022	DHARANIDHARAN J	/	/	/	/	/	/	/	/	/	/
10.	19CER024	DHARSINI N	/	/	/	/	/	/	A	/	A	/
11.	19CER030	GOKUL P S	/	/	/	/	/	/	/	/	/	/
12.	19CER032	GOWSHIK V L	/	/	/	A	/	/	/	/	/	/
13.	19CER033	GOWTHAM S	A	/	/	/	/	/	/	/	/	/
14.	19CER034	GURUNATH S R	/	/	/	/	/	/	/	/	/	/
15.	19CER035	HANISH J P	/	/	/	/	/	/	A	/	/	/
16.	19CER040	HARISH V	/	/	/	A	A	A	/	A	A	A
17.	19CER041	HARSHVARDHAN B	/	/	/	/	/	/	/	/	/	/

18.	18CER098	MONISHA.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	18CER103	MUTHUISWARYA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	18CER113	NIDHARSHANA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	18CER114	NIKHIL SUNDAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	A
22.	18CER115	NITHESH KUMAR S M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	18CER116	OVIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	18CER119	PEERZADA FAIZAN RASOOL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	18CER121	POONGODI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	A
26.	18CER122	PRABANJAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	A
27.	18CER132	RAGULNATH K O C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	18CER133	RAJA RETHINAM S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	18CER137	RAJGOPALSAMY G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	18CER166	SOWNDARYA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


(Dr. K. NIRMAL KUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060

DEPARTMENT OF CIVIL ENGINEERING

One Credit Course on '18VAC19 - Ocean and Coastal Engineering'

Attendance Details

S.NO.	ROLL NO.	NAME OF THE STUDENT	9/4	10/4	12/4	13/4	15/4	16/4	19/4	20/4	21/4	30/4
1.	19CER001	AARANI DEVIR	/	/	/	/	/	/	/	/	/	/
2.	19CER002	AARTHI R	/	/	/	/	/	/	/	/	/	/
3.	19CER004	ABINESH N K	A	/	/	/	/	/	/	/	/	/
4.	19CER009	ARAVINTH T	/	/	A	A	/	/	/	/	/	/
5.	19CER011	ARUN R	A	/	/	/	/	/	/	/	/	/
6.	19CER013	BALA MURALI KRISHNA B	/	/	/	/	/	/	/	/	/	/
7.	19CER016	BHARANI S	/	/	/	/	/	/	/	/	/	/
8.	19CER018	CHANDRU B	/	/	/	/	/	/	/	/	/	/
9.	19CER022	DHARANIDHARAN J	/	/	/	/	/	/	A	/	/	/
10.	19CER024	DHARSINI N	/	/	/	/	/	/	/	/	/	/
11.	19CER030	GOKUL P S	A	/	/	/	/	/	/	/	/	/
12.	19CER032	GOWSHIK V L	A	/	/	/	/	A	A	/	A	/
13.	19CER033	GOWTHAM S	/	/	/	/	/	A	/	/	/	/
14.	19CER034	GURUNATH S R	/	/	/	/	/	/	/	/	/	/
15.	19CER035	HANISH J P	A	/	/	/	/	/	/	/	/	/
16.	19CER040	HARISH V	A	A	A	/	A	/	A	A	A	A
17.	19CER041	HARSHVARDHAN B	/	/	/	/	/	/	A	/	/	/

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060**DEPARTMENT OF CIVIL ENGINEERING****One Credit Course on '18VAC19 - Ocean and Coastal Engineering'****Attendance Details**

S.NO.	ROLL NO.	NAME OF THE STUDENT	Abs.	Pre.	Perc.
1.	19CER001	AARANI DEVI R	2	28	93.33
2.	19CER002	AARTHI R	2	28	93.33
3.	19CER004	ABINESH N K	2	28	93.33
4.	19CER009	ARAVINTH T	4	26	86.67
5.	19CER011	ARUN R	4	26	86.67
6.	19CER013	BALA MURALI KRISHNA B	6	24	80.00
7.	19CER016	BHARANI S	2	28	93.33
8.	19CER018	CHANDRU B	0	30	100.00
9.	19CER022	DHARANIDHARAN J	1	29	96.67
10.	19CER024	DHARSINI N	5	25	83.33
11.	19CER030	GOKUL P S	6	24	80.00
12.	19CER032	GOWSHIK V L	7	23	76.67
13.	19CER033	GOWTHAM S	3	27	90.00
14.	19CER034	GURUNATH S R	0	30	100.00
15.	19CER035	HANISH J P	4	26	86.67
16.	19CER040	HARISH V	18	12	40.00
17.	19CER041	HARSHVARDHAN B	1	29	96.67
18.	18CER098	MONISHA.P	1	29	96.67
19.	18CER103	MUTHUISWARYA.S	0	30	100.00
20.	18CER113	NIDHARSHANA S	1	29	96.67
21.	18CER114	NIKHIL SUNDAR	6	24	80.00
22.	18CER115	NITHESH KUMAR S M	2	28	93.33
23.	18CER116	OVIYA S	0	30	100.00
24.	18CER119	PEERZADA FAIZAN RASOOL	2	28	93.33
25.	18CER121	POONGODI T	4	26	86.67
26.	18CER122	PRABANJAN S	2	28	93.33
27.	18CER132	RAGULNATH K O C	0	30	100.00
28.	18CER133	RAJA RETHINAM S	1	29	96.67
29.	18CER137	RAJGOPALSAMY G	0	30	100.00
30.	18CER166	SOWNDARYA G	1	29	96.67

(Dr. K NIRMAL KUMAR)

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060
DEPARTMENT OF CIVIL ENGINEERING
One Credit Course on '18VAC19 - Ocean and Coastal Engineering'
Attendance Details

S.NO.	ROLL NO.	NAME OF THE STUDENT	PERCENTAGE
1.	19CER001	AARANI DEVI R	93.33
2.	19CER002	AARTHI R	93.33
3.	19CER004	ABINESH N K	93.33
4.	19CER009	ARAVINTH T	86.67
5.	19CER011	ARUN R	86.67
6.	19CER013	BALA MURALI KRISHNA B	80.00
7.	19CER016	BHARANI S	93.33
8.	19CER018	CHANDRU B	100.00
9.	19CER022	DHARANIDHARAN J	96.67
10.	19CER024	DHARSINI N	83.33
11.	19CER030	GOKUL P S	80.00
12.	19CER032	GOWSHIK V L	76.67
13.	19CER033	GOWTHAM S	90.00
14.	19CER034	GURUNATH S R	100.00
15.	19CER035	HANISH J P	86.67
16.	19CER040	HARISH V	40.00
17.	19CER041	HARSHVARDHAN B	96.67
18.	18CER098	MONISHA.P	96.67
19.	18CER103	MUTHUISWARYA.S	100.00
20.	18CER113	NIDHARSHANA S	96.67
21.	18CER114	NIKHIL SUNDAR	80.00
22.	18CER115	NITHESH KUMAR S M	93.33
23.	18CER116	OVIYA S	100.00
24.	18CER119	PEERZADA FAIZAN RASOOL	93.33
25.	18CER121	POONGODI T	86.67
26.	18CER122	PRABANJAN S	93.33
27.	18CER132	RAGULNATH K O C	100.00
28.	18CER133	RAJA RETHINAM S	96.67
29.	18CER137	RAJGOPALSAMY G	100.00
30.	18CER166	SOWNDARYA G	96.67

(Dr. K. NIRMAL KUMAR)

HOD/Civil

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060

DEPARTMENT OF CIVIL ENGINEERING

ONE CREDIT COURSE ON

'18VAC19 - OCEAN AND COASTAL ENGINEERING'

INTERNAL MARKS

S.NO.	REG. NO.	YEAR & SECTION	NAME OF THE STUDENT	MARKS
1.	19CER001	II YEAR "A"	AARANI DEVI R	73
2.	19CER002	II YEAR "A"	AARTHI R	67
3.	19CER004	II YEAR "A"	ABINESH N K	68
4.	19CER009	II YEAR "A"	ARAVINTH T	66
5.	19CER011	II YEAR "A"	ARUN R	66
6.	19CER013	II YEAR "A"	BALA MURALI KRISHNA B	72
7.	19CER016	II YEAR "A"	BHARANI S	67
8.	19CER018	II YEAR "A"	CHANDRU B	69
9.	19CER022	II YEAR "A"	DHARANIDHARAN J	69
10.	19CER024	II YEAR "A"	DHARSINI N	70
11.	19CER030	II YEAR "A"	GOKUL P S	70
12.	19CER032	II YEAR "A"	GOWSHIK V L	68
13.	19CER033	II YEAR "A"	GOWTHAM S	67
14.	19CER034	II YEAR "A"	GURUNATH S R	66
15.	19CER035	II YEAR "A"	HANISH J P	66
16.	19CER041	II YEAR "A"	HARSHVARDHAN B	73
17.	18CER098	III YEAR "C"	MONISHA.P	71
18.	18CER103	III YEAR "C"	MUTHUISWARYA.S	78
19.	18CER113	III YEAR "C"	NIDHARSHANA S	73
20.	18CER114	III YEAR "C"	NIKHIL SUNDAR	73
21.	18CER115	III YEAR "C"	NITHESH KUMAR S M	71
22.	18CER116	III YEAR "C"	OVIYA S	79
23.	18CER119	III YEAR "C"	PEERZADA FAIZAN RASOOL	69
24.	18CER121	III YEAR "C"	POONGODI T	77
25.	18CER122	III YEAR "C"	PRABANJAN S	73
26.	18CER132	III YEAR "C"	RAGULNATH K O C	74
27.	18CER133	III YEAR "C"	RAJA RETHINAM S	75
28.	18CER137	III YEAR "C"	RAJGOPALSAMY G	71
29.	18CER166	III YEAR "D"	SOWNDARYA G	75

(Signature)
(Dr. K NIRMAL KUMAR)

(Signature)
6/7/2024

KONGU ENGINEERING COLLEGE
PERUNDURAI, ERODE-638060
(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

Date: 26-02-2021

NOTE SUBMITTED TO PRINCIPAL FOR APPROVAL

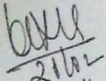
Sub: Request for permission to conduct one credit course – reg.

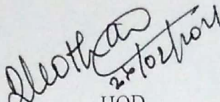
1.	Academic Year	:	2020-21	Semester :	EVEN		
2.	Course Title	:	Ocean and Coastal Engineering				
3.	Type of Course	:	Already Offered Course				
	• If “Already offered course”,	:	Course Code: 14VAC79		Version: 2014		
4.	Course Coordinator	:	Dr. K Nirmalkumar				
5.	Course offered by	:	Internal faculty				
6.	Name and designation of internal resource persons	:	1. Dr. K Nirmalkumar, Professor/Civil.				
7.	Details about external organization	:	NOT APPLICABLE - If it is external experts, Please mention the name of the organization and experts details - Submit the details for choosing the external organization for offering the course - Submit the financial proposal from the external organization - No remuneration in any form to internal faculty				
8.	Course fee for external experts		Max. number of students/Batch			Course fee / student	
	-		-			-	
9.	No. of days	Period		No. of hours			Venue
		From	To	Lecture	Practical	Total	
	15	08-03-21	14-04-21	30	-	30	Online Mode – Google Classroom
10.	Pre-requisites for offering the course	:	Basic knowledge in Surveying & Fluid Mechanics.				
11.	Course offered to	:	Programme		Branch		Year/Semester
			B.E		Civil Engineering		II year/IV
			B.E		Civil Engineering		III year/VI

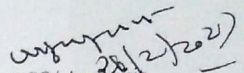
12.	Course Main Contents	:	Day 1	Introduction	
		Day 2	Physical Properties of sea water		
		Day 3	Ocean Currents		
		Day 4	Forces acting on sea water		
		Day 5	Generation of waves		
		Day 6	Classification of waves		
		Day 7	Refraction of waves		
		Day 8	Reflection of waves		
		Day 9	Waves breaking in shallow water		
		Day 10	Waves breaking in deep water		
		Day 11	Coastal Engineering		
		Day 12	Coastal management		
		Day 13	Current Challenges in coastal management		
		Day 14	Coastal Sediment processes		
		Day 15	Coastal Protection Measures		
		Day 16	Breakwaters, Groynes, Sea walls, Revetments, Rock armour Gabions & Cliff Stabilization		
		Day 17	Entrance Training walls, Floodgates & sand bypassing		
		Day 18	Beach nourishment, Monitoring coastal zones, Event Warning systems		
		Day 19	Shoreline Mapping		
		Day 20	Shoreline indicator		
		Day 21	Measurement of waves		
		Day 22	Soundings Equipments		
		Day 23	Lunar Tides		
		Day 24	Solar Tides		
		Day 25	Mean sea level		
		Day 26	Tsunami		
		Day 27	Aerial Photographs		
		Day 28	Historical maps		
		Day 29	Delineation of shoreline		
		Day 30	Beach profiling surveys.		
		One Assignment			
13.	Course Outcomes	:	After completing the course the student will be able to:		
			- Understand the properties of sea water - Know the sedimentation & coastal protection - Know the monitoring of coastal zones		
14.	Course Assessment (Min. 2)	:	S. No.	Type	Max. Marks
		1.	Assignment	10 Marks	
		2.	Assessment Tests (Two Tests)	90 Marks	
			Total	100 Marks	

15.	Any other details	:	Nil
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The above proposal may kindly be approved.


Course coordinator


HOD


CCO/ Academic

Encl:

1. Copy of the syllabus of the course



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI - 638060
INTERNAL QUALITY ASSURANCE CELL
Civil Engineering Department
Feedback Sheet



CERT No. 99-100-20788
ISO 9001:2015

1.0 Name of the Participant (Optional): GOKUL P.S

2.0 Course title Ocean and Coastal Engineering

3.0 Dates of the program 8-3-21 to 26-3-21

4.0 Please rate the following parameters as per points given below.

10 - Excellent 8 - Good 6 - Average 4 - Below average 2 - Poor

a) The overall rating of the course	10	8	6	4	2
b) Course delivery	10	8	6	4	2
c) Communication	10	8	6	4	2
d) Course material	10	8	6	4	2
e) Arrangements	10	8	6	4	2
f) Ability to clear doubts	10	8	6	4	2
g) Practical sessions	10	8	6	4	2
h) Hospitality	10	8	6	4	2
i) Examination (if conducted)	10	8	6	4	2

Please also give your suggestion for improvement

Gokul P.S
Signature of the Participant



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI - 638060
INTERNAL QUALITY ASSURANCE CELL
Civil Engineering Department
Feedback Sheet



- 1.0 Name of the Participant (Optional): ARUN R
- 2.0 Course title OCEAN AND COSTAL ENGINEERING
- 3.0 Dates of the program 08.03.21 - 26.03.21
- 4.0 Please rate the following parameters as per points given below.

10 - Excellent 8 - Good 6 - Average 4 - Below average 2 - Poor

a) The overall rating of the course	10	(8)	6	4	2
b) Course delivery	10	8	(6)	4	2
c) Communication	10	8	(6)	4	2
d) Course material	(10)	8	6	4	2
e) Arrangements	10	(8)	6	4	2
f) Ability to clear doubts	10	8	6	(4)	2
g) Practical sessions	10	(8)	6	4	2
h) Hospitality	10	8	(6)	4	2
i) Examination (if conducted)	10	8	(6)	4	2

Please also give your suggestion for improvement

Signature of the Participant



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI - 638060
INTERNAL QUALITY ASSURANCE CELL
Civil Engineering Department
Feedback Sheet



CERT No: 99-100-20788
ISO 9001:2015

- 1.0 Name of the Participant (Optional): AARTHI, R
- 2.0 Course title : OCEAN AND COASTAL ENGINEERING ,
- 3.0 Dates of the program 8.3.21 - 26.3.21
- 4.0 Please rate the following parameters as per points given below.

10 - Excellent 8 - Good 6 - Average 4 - Below average 2 - Poor

a) The overall rating of the course	<u>10</u>	8	6	4	2
b) Course delivery	10	<u>8</u>	6	4	2
c) Communication	<u>10</u>	8	6	4	2
d) Course material	10	<u>8</u>	6	4	2
e) Arrangements	<u>10</u>	8	6	4	2
f) Ability to clear doubts	10	<u>8</u>	6	4	2
g) Practical sessions	<u>10</u>	8	6	4	2
h) Hospitality	<u>10</u>	8	6	4	2
i) Examination (if conducted)	10	<u>8</u>	6	4	2

Please also give your suggestion for improvement

[Handwritten signature]

Aarthi, R
Signature of the Participant

**KONGU ENGINEERING COLLEGE**

(Autonomous)

PERUNDURAI – 638060

INTERNAL QUALITY ASSURANCE CELL

Civil Engineering Department

Organizer's Check List**Title of the Course: 18VAC19 - Ocean and Coastal Engineering****Date: From 08/03/2021 to 26/03/2021****Checks to be made**

S.No.	ACTIVITY	Yes/No/NA
1.	Circular / Brochure Announcement	Y
2.	Confirmation of participants	Y
3.	Identification of faculty for handling classes	Y
4.	Fixing External faculty / Industrial Experts	—
5.	Course material preparation	Y
6.	Time Table preparation	Y
7.	Copy of Time Table to all faculty handling classes	—
8.	Accommodation for External Guest	—
9.	Refreshment arrangement	—
10.	Hall arrangements	Y
11.	Presentation Aids	—
12.	Attendance Sheet	Y
13.	Local Visits - Permission from Industries. Transport, faculty arrangement	—
14.	Participants feed back form	Y
15.	Preparation of participants Certificates	Y

 Estd. 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI – 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT No: 99-160-20788 ISO 9001:2015
	Civil Engineering Department	
	Attendance Sheet	

Title of the Course: 18VAC18 OCEAN AND COASTAL ENGINEERING

Date: From 08/03/2021 to 26/03/2021

S.NO	ROLL NO	NAME OF THE STUDENT	PERCENTAGE
1	19CER001	AARANIDEVI R	93.33
2	19CER002	AARTHI R	93.33
3	19CER004	ABINESH NK	93.33
4	19CER009	ARAVINTH T	86.67
5	19CER011	ARUN R	86.67
6	19CER013	BALA MURALI KRISHNA B	80.00
7	19CER016	BHARANI S	93.33
8	19CER018	CHANDRU B	100.00
9	19CER022	DHARANIDHARAN J	96.67
10	19CER024	DHARSHINI N	83.33
11	19CER030	GOKUL P S	80.00
12	19CER032	GOWSHIK V L	76.67
13	19CER033	GOWTHAM S	90.00
14	19CER034	GURUNATH S R	100.00
15	19CER035	HANISH J P	86.67
16	19CER040	HARISH V	40.00
17	19CER041	HARSHVARDHAN B	96.67
18	18CER098	MONISHA P	96.67
19	18CER103	MUTHUISWARYA S	100.00
20	18CER113	NIDARSHANA S	96.67
21	18CER114	NIKHIL SUNDAR	80.00
22	18CER115	NITHESH KUMAR S M	93.33
23	18CER116	OVIYS S	100.00
24	18CER119	PEERZADA FAIZAN RASOOL	93.33
25	18CER121	POONGODI T	86.67
26	18CER122	PRABANJAN S	93.33
27	18CER132	RAGULNATH O C	100.00
28	18CER133	RAJARETHINAM S	96.67
29	18CER137	RAJGOPALSAMY G	100.00
30	18CER166	SOWNDARYA G	96.67


Course Faculty