



Schedule for 7th National Conference on
Coastal, Harbour and Ocean Engineering (INCHOE 2025)
at CWPRS, Pune
06 - 07 November 2025



Day 1 : 06.11.2025 Thursday

**V1-TS01 : Climate Resilience, Disaster Risk & Coastal Zone Management (1430 – 1600 Hrs.)
(Auditorium)**

SL No.	Paper ID	Title of the Paper & Author(s)
1	45	COST IMPLICATIONS OF CLIMATE-RESILIENT DESIGN OF COASTAL RUBBLEMOUND STRUCTURES <i>Apurva M. Kudale, Maruti D. Kudale</i>
2	73	GEOTECHNICAL STABILITY ASSESSMENT OF COASTAL PROTECTION BUNDS <i>Neeraj M. Meena, J. S. Edlabadkar, Dr. Tanusree Samanta, Harshil Nirajbhai Lad</i>
3	48	IROMS: INTEGRATED RIVERINE AND OCEAN MODELLING SYSTEM <i>B. Sridharan, Vikram Pratap Singh, Soumendra Nath Kuiry</i>
4	67	JNPA'S SUSTAINABILITY INITIATIVES FOR GREEN PORT DEVELOPMENT AS PER THE HARIT SAGAR GUIDELINES OF MINISTRY OF SHIPPING, PORTS WATERWAYS <i>Dr. G. Vaidyanathan, Shri. V.G. Gharat, Dr. R. N. Jadhav</i>
5	51	APPLICATIONS OF INDIAN COASTAL OCEAN HIGH FREQUENCY RADAR NETWORK <i>B. K. Jena, Rajkumar J, Janakiram Reddy, Aswini M A, Joshua Jacob Rajan Y.</i>
6	56	A CASE STUDY ILLUSTRATING FLOOD AND EROSION MITIGATION MEASURES IN A REGION WITH A MACRO TIDAL RANGE <i>K M Praveen, B R Tayade, G R Pardeshi, Narendra A Patel</i>
7	52	REMEDIAL MEASURES FOR EROSION ALONG WEST COAST OF INDIA <i>P.K.Suresh, Nilanjan Saha, R.Sundaravadivelu, Kreesakumaran</i>
8	53	CLIMATE ADAPTATION IN VENNAR SUB BASIN IN CAUVERY DELTA PROJECT <i>I.Suryaprakash, P.K,Suresh, R.Sundaravadivelu</i>
9	61	MITIGATING COASTAL EROSION: AN INCLUSIVE APPROACH ALONG SINDHUDURG DISTRICT, MAHARASHTRA. <i>B. R. Tayade, K. M. Praveen, G R Pardeshi, Samadhan S Jadhav</i>
10	68	VADHVAN GREENFIELD PORT: ENVIRONMENTAL INITIATIVES AND BENEFITS TO THE NATION <i>Dr. G. Vaidyanathan, Shri. V.G. Gharat, Dr. R. N. Jadhav</i>
11	69	SEA LEVEL RISE AND COASTAL RISK MAPPING: A CASE STUDY OF SINDHUDURG, MAHARASHTRA <i>Amey U. Kumbhar</i>
12	103	NUMERICAL INVESTIGATION ON THE HYDRODYNAMIC BEHAVIOUR OF DOUBLE HOLLOW FLOATING BREAKWATER <i>Mohammed Furqan, Sreedhara B M, Praveen K M & Anand Vishnu B</i>



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V2-TS02 : Coastal & Marine Data Analytics		(1430 – 1600 Hrs.) (Padma shri Dr. Z. S. Tarapore Hall)
SL No.	Paper ID	Title of the Paper & Author(s)
13	26	MATHEMATICAL MODELL STUDIES FOR HYDRODYNAMICS, SEDIMENT TRANSPORT AND SPECTRAL WAVE MODELLING AT ROHINI YARD, MUMBAI, MAHARASHTRA STATE <i>Deepali Kulkarni; Dr R Manivanan; V V Vaze</i>
14	27	IMPACT OF ENSEMBLE-BASED DATA ASSIMILATION ON WIND-WAVE FIELD DURING CYCLONE VARDHA <i>A. Tharani, S.A. Sannasiraj & C. Balaji</i>
15	30	RETRIEVING NEARSHORE BATHYMETRY USING SENTINEL-2 MSI DATA AND ICESAT-2 ELEVATION DATA ALONG THE WEST BENGAL COAST, INDIA <i>Shanmuga Priyaa S, Rajkumar J & Basanta Kumar Jena</i>
16	36	AI-DRIVEN GAP FILLING OF ENVIRONMENTAL TIME SERIES: A SHORELINE CHANGE CASE STUDY USING OPEN DATASETS AND FIELD VALIDATION <i>Faisal Rahman P, Arya R. Pillai, Shilpamary B, Jaya Kumar Seelam</i>
17	38	APPLICATION OF ARTIFICIAL NEURAL NETWORK AND SKILLED SCORE PERFORMANCE INDICATOR METHOD FOR THE RANKING OF GCMS TO PREDICT THE SIGNIFICANT WAVE HEIGHT AT KOLLAM, INDIA <i>Nitin T. Sawalkar, S. N. Londhe & S. G. Joshi</i>
18	24	ONLINE DETECTION OF CHANGES IN COASTAL SHORELINE USING IMAGE PROCESSING INTEGRATED WITH MACHINE LEARNING MODELS <i>Dr.M.Selva Balan, Mrs.Anuja Rajagopalan, Dr.Prabhat Chandra</i>
19	46	SILTATION PROBLEM AT MUTHALAPOZH Y FISHERY HARBOUR ENTRANCE ON KERALA COAST <i>Kunhimammu Paravath, Nasar.T</i>
20	47	ASSESSMENT OF THE EFFECT OF RADIATION STRESS ON LONGSHORE CURRENTS: A CASE STUDY OF THE SOUTH KERALA COAST <i>S. Anuvinda, T. Muhammed Naseef, B. K. Jena, J. Rajkumar</i>
21	49	SPATIO-TEMPORAL ANALYSIS OF SHORELINE USING VARIOUS TECHNIQUES (COASTSAT) AND GROUND TRUTH VALIDATION: A CASE STUDY ENNORE, SOUTH EAST COAST OF INDIA (1990-2025) <i>S. Nivetha, S.A. Sannasiraj S.A, M.Dhananjayan</i>
22	32	APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND BIG DATA IN MARINE SCIENCE: ENHANCING OCEAN UNDERSTANDING AND SUSTAINABILITY <i>Shaneel Saurabh Sao, P.S. Solanki, Dr. (Smt.) Reshmi K.V</i>
23	60	A SPATIAL ASSESSMENT OF FLOOD VULNERABILITY IN KOCHI: INTEGRATING GIS AND AHP TECHNIQUES <i>Abeer Sanyour, Vishal Chetty</i>
24	70	MONITORING SHORELINE DYNAMICS USING SATELLITE IMAGERY: A CASE STUDY OF DEVGAD COAST, MAHARASHTRA <i>Amey U. Kumbhar, Vidula R. Waskar Patil</i>



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V3-TS03 : Ports & Harbour Engineering		(1430 – 1600 Hrs.) (CDC Lecture Hall)
SL No.	Paper ID	Title of the Paper & Author(s)
25	80	PARAMETRIC QUALITY CONTROL OF PROCESSED CORE MATERIAL OF A RUBBLE MOUND DEEPWATER BREAKWATER <i>Dr. Jayakumar, Dr. Santhosh Sathyapal, Abilash P. Pillai</i>
26	66	SILTATION MANAGEMENT STRATEGIES FOR MALMATH CREEK NEAR DEVGAD JETTY <i>Amey U. Kumbhar, Vidula R. Waskar Patil</i>
27	20	HYDRAULIC STABILITY OF BREAKWATER CROSS SECTIONS USING XBLOC ARMOUR UNITS FOR THE DEVELOPMENT OF GATEWAY PORT AT KAKINADA, EAST GODAVARI DISTRICT, ANDHRA PRADESH, INDIA <i>Uday B. Patil, A.V.Mahalingaiah, Ganesh N.S.</i>
28	25	EVOLVING LAYOUT OF FISH LANDING CENTER USING MATHEMATICAL MODEL TECHNIQUE <i>H C Patil, Sagar Chanda, Dr. M Phani Kumar, Mrs Mamta Jiji</i>
29	28	EVALUATION OF REANALYSIS DATA DURING LOW-PRESSURE SYSTEMS IN ARABIAN SEA <i>Maneesha Sebastian, K. R Karambelkar, M. M. Vaidya, A. A. Purohit</i>
30	71	OFFSHORE WIND ENERGY POTENTIAL UNDER THE CHANGING CLIMATE, GUJARAT <i>N. Beero, N.K.G. Lakku, M.R. Behera</i>
31	31	CAPACITY ASSESSMENT OF BAKRESWAR RESERVOIR WEST BENGAL USING INTEGRATED BATHYMETRY SYSTEM <i>M.S.Bist, A.D.Sonawane, Ajit Singh, Shailesh Thonte, G.V.Ramanarao, Dr.M.Selva Balan</i>
32	59	APPLICATION OF 3D PHYSICAL WAVE MODEL– A CASE STUDY OF FISHERIES HARBOUR DEVELOPMENT ADJACENT TO A PORT <i>Sudheer S. Chavan, M.D. Sawant, Dr M. Phani Kumar, Dr. Prabhat Chandra, Abilash P. Pillai, Sanooj A.</i>
33	62	PREDICTION OF SHORELINE CHANGES FOR THE PROPOSED DEVELOPMENT AT MUTHALAPOZHY FISHERIES HARBOUR, KERALA <i>Dr. Anil Bagwan, B. L. Meena, Vabhavi Roy, Dr. A. K. Singh, Dr. Jiweshwar Sinha</i>
34	93	SUSTAINABLE DREDGING AND COASTAL MANAGEMENT: A CASE STUDY OF ALAPPAD AZHEEKAL FISHING HARBOUR (KAYAMKULAM), IN KERALA <i>Chitra Unnikrishnan, Maya B.S., M. A. Mohamed Ansari</i>
35	75	GEOTECHNICAL STABILITY ASSESSMENT OF OFFSHORE BREAKWATER DUE TO DREDGING: A CASE STUDY <i>Tanusree Samanta, J. S. Edlabadkar</i>
36	83	ROLE OF PHYSICAL WAVE MODEL TO ASCERTAIN THE WAVE TRANQUILITY FOR AN ALL-WEATHER PORT BASIN <i>P. A. Kashyape, H. C. Patil, S. J. Shinde, Dr. M. Phani Kumar, Ms. K. F. Sultana, K. Ravi Kumar</i>



Day 2 : 07.11.2025 Friday

**V1-TS04 : Ocean & Offshore Engineering (1400 – 1530 Hrs.)
(Auditorium)**

SL No.	Paper ID	Title of the Paper & Author(s)
37	23	EXTREME RESPONSE ANALYSIS FOR HYBRID SUBMERGED TENSION LEG-TYPE OFFSHORE WIND TURBINE PLATFORM USING INVERSE FIRST ORDER RELIABILITY METHOD <i>J S Rony, D. Karmakar</i>
38	44	WAVE ENERGY DISSIPATION OVER A SUBMERGED ARTIFICIAL SANDBAR: A NUMERICAL MODELING APPROACH <i>Vijaya Priya K, S. A. Sannasiraj</i>
39	50	NUMERICAL INVESTIGATIONS ON HYDRODYNAMIC AND DYNAMIC RESPONSES OF FLOATING OFFSHORE WIND PLATFORMS <i>Anusree Variyar, Beena Mary John</i>
40	72	MATHEMATICAL MODEL STUDIES TO ASSESS THE EFFECT OF PROPOSED JETTY IN THE SEDIMENTATION PATTERN AT VENGURLA, MAHARASHTRA <i>V. K. Shukla, B. L. Meena, Dr. J. Sinha, Manish Metkar</i>
41	55	COMPREHENSIVE ASSESSMENT OF STRUCTURAL HEALTH MONITORING OF OFFSHORE STRUCTURES AND IMPORTANCE OF AI INTELLIGENCE <i>Ria Singhal, Dr. Anup Kumar Singh, P.D. Kamalasekaran, Dr. M Selva Balan</i>
42	91	HYDRAULIC PERFORMANCE OF GEOSYNTHETIC BAG ARMOURED BREAKWATER USING NUMERICAL MODELLING <i>Aswin T, Dr. Pruthviraj Umesh, Dr. Arunakumar H S</i>

**V1-TS04 : Coastal Environment & Marine Resources (1400 – 1530 Hrs.)
(Auditorium)**

SL No.	Paper ID	Title of the Paper & Author(s)
43	65	RENEWABLE ENERGY USING TIDAL BARRAGE AT VIJAY DURGA AREA, RATNAGIRI, MAHARASHTRA <i>Dr. Sanjay A. Burele, Raghuram Singh</i>
44	79	MULTIYEAR ASSESSMENT OF WATER QUALITY IN ENNORE COASTAL WATERS: AN INTEGRATED GROUND AND SATELLITE-BASED APPROACH <i>Aswini M A, Balaram Mahanty, S. Shanmuga Priyaa, S. Sundararajan, B. K. Jena</i>

**V1-TS04 : Climate Resilience, Disaster Risk & Coastal Zone Management (1400 – 1530 Hrs.)
(Auditorium)**

SL No.	Paper ID	Title of the Paper & Author(s)
45	57	EROSION CONTROL USING A STONE-ARMORED GROUYNE AT AN ESTUARINE INLET <i>K M Praveen, B R Tayade, G R Pardeshi, Harshil N Lad</i>
46	81	MODELLING LOCAL SEA LEVEL RISE USING CLIMATE VARIABILITY OF THE OCEAN <i>Naren A, Shukla V K, Meena B L, Sinha J</i>



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V2-TS05 : Coastal & Marine Data Analytics		(1400 – 1530 Hrs.) (Padma shri Dr. Z. S. Tarapore Hall)
SL No.	Paper ID	Title of the Paper & Author(s)
47	87	INTEGRATED MODELLING OF HYDRODYNAMIC AND SEDIMENTATION IMPACTS OF TERMINAL EXPANSION NEAR TUNA TEKRA, DEENDAYAL PORT <i>Shivani sahu, Vaibhav Konde, V B Sharma, Dr. M. Phani Kumar, Dr. Prabhat Chandra</i>
48	76	REMOTE SENSING AND FIELD MEASUREMENTS FOR WATER QUALITY ASSESSMENT IN A TROPICAL URBAN HARBOUR: ROYAPURAM CASE STUDY <i>Balaram Mahanty, S. Shanmuga Priyaa, S. Sundararajan, Basanta Kumar Jena</i>
49	18	CURRENT DEFLECTING WALL – A REMEDIAL MEASURE FOR SAFE BERTHING OF PASSENGER VESSELS AT JETTY SITUATED NEAR THE CONVEX PORTION OF ISLAND <i>A. Basu, K.A. Chavan, M.M. Vaidya, A.A. Purohit</i>
50	29	HYDRODYNAMIC AND SEDIMENTATION ANALYSIS FOR MITIGATING SILTATION AT MARVE RO-RO JETTY, MUMBAI: A MATHEMATICAL MODELING APPROACH <i>Naval S Jagatap, A K Singh, Dr. J. Sinha</i>
51	107	APPLICATION OF NUMERICAL MODELLING IN OPTIMISING RIVER TRAINING STRUCTURES FOR DEVELOPMENT OF A FISHERY HARBOUR <i>S N Jha, V B Sharma, Dr. Prabhat Chandra</i>
52	85	WAVE ATLAS FOR THE NORTH INDIAN OCEAN - VERSION 2.0 <i>T. Muhammed Naseef, J. Rajkumar, Basanta Kumar Jena</i>
53	63	ANALYSIS OF STATISTICAL CHARACTERISTICS OF MONTHLY TIDAL DATA OF EAST COASTAL AREAS OF INDIA <i>Manasi M. Mulay, N. Vivekanandan, C. Srishailam</i>
54	84	THE IMPACT OF TURBULENCE IN CALIBRATION OF OCEANOGRAPHIC CURRENT METERS <i>Milankumar S., H. R. Khandagale, Shreekant P., G. C. Sahoo, G. V. Ramana Rao</i>
55	99	SPATIO-TEMPORAL ANALYSIS OF MANGROVE ECOSYSTEM DYNAMICS IN THE PICHAVARAM REGION USING CMRI-DERIVED CHANGE DETECTION FROM MULTITEMPORAL SATELLITE DATA (1999–2024) <i>Rishikeshan C A, Alankritha Maheshwaran, Esha Sachin P, Navendu A. Chaudhary</i>
56	89	INTEGRATED FIELD STUDY FOR COASTAL HYDRODYNAMICS AND SEDIMENT TRANSPORT MODELLING AT PARADIP PORT <i>J. A. Shimpi, Subodh Kumar, K.B. Bobade, S.G. Manjunatha</i>
57	105	PHASE-RESOLVING NON-HYDROSTATIC 3D WAVE MODELS AND COASTAL RESILIENCE: A COMPREHENSIVE REVIEW <i>Gupta, K, Narayan Kumar</i>
58	95	EVOLUTION OF INSTRUMENTATION & MEASUREMENT TECHNIQUES IN COASTAL HYDRAULICS: ROLE OF MACHINE LEARNING <i>Anup Kumar Singh, Praveen K M, P D Kamalasekaran, M. Selva Balan</i>



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**V3-TS06 : Ports & Harbour Engineering (1400 – 1530 Hrs.)
(CDC Lecture Hall)**

SL No.	Paper ID	Title of the Paper & Author(s)
59	40	STRUCTURAL INTEGRITY ASSESSMENT OF THE RUBBLE MOUND BREAKWATER THROUGH 3D PHYSICAL MODEL STUDY <i>S.A. Sannasiraj, R. KrishnaPriyan, S. Tharaniraja</i>
60	19	INTEGRATED MODELLING FOR SUSTAINABLE MARINA DEVELOPMENT IN COMPLEX COASTAL HARBOURS <i>K. R. Karambelkar, A. Basu, M. M. Vaidya, A. A. Purohit</i>
61	21	STUDIES FOR THE DESIGN OF BREAKWATERS FOR THE DEVELOPMENT OF OUTER HARBOUR AT MURUDESHWAR, UTTARA KANNADA, INDIA <i>Uday B. Patil, A.V.Mahalingaiah, Ganesh N.S.</i>
62	35	NAVIGATIONAL CHANNEL REQUIREMENTS FOR Q-FLEX AND Q-MAX LNG VESSELS: AN EMPIRICAL ANALYSIS <i>R.K.Chaudhari, S.K. Kori, Dr. M. Phani kumar, Dr. Prabhat Chandra, Manish D. Pandey</i>
63	37	COASTAL WAVE DYNAMICS AND PORT DEVELOPMENT: A CASE STUDY OF HONNAVAR PORT, KARNATAKA <i>Santosh Kori, R.K. Chaudhari, Dr. Prabhat Chandra</i>
64	58	ASSESSMENT OF SUITABILITY OF REMEDIAL MEASURES TO ACHIEVE OPERABILITY OF PASSENGER JETTY IN COMPLEX FLOW REGIME <i>M.M Vaidya, A. Basu, K.R. Karambelkar, Sudhir Deore, A.A. Purohit</i>
65	64	EFFECT OF BREAKWATER CONSTRUCTION ALONG WITH DEEPENING OF CHANNEL- A CASE STUDY <i>Vijay D. Kokane, V. K. Shukla, Lalita G. Giribuwa</i>
66	86	ENHANCING URBAN WATER TRANSPORT: JETTY DEVELOPMENT AT RADIO CLUB, MUMBAI <i>Vaibhav Konde, Shivani sahu, V B Sharma, Dr. Prabhat Chandra</i>
67	102	ASSESSMENT OF WAVE BEHAVIOR AND SEDIMENT DYNAMICS FOR HARBOUR DESIGN AT HANGARAKATTE <i>Amol Borkar, S. Kori, Dr. M. Phani Kumar, Dr. Prabhat Chandra</i>

**V3-TS06 : Coastal & Marine Data Analytics (1400 – 1530 Hrs.)
(CDC Lecture Hall)**

SL No.	Paper ID	Title of the Paper & Author(s)
68	90	ASSESSMENT OF ESTUARINE DYNAMICS AND SEDIMENT TRANSPORT AT MUTHALAPOZHLY INLET THROUGH FIELD MEASUREMENTS <i>J. A. Shimpi, Subodh Kumar, K.B. Bobade, S.G. Manjunatha</i>
69	106	COMPARISON OF ESTIMATORS OF WEIBULL DISTRIBUTION FOR MODELLING HIGH TIDES OF WEST COAST REGION OF INDIA <i>Archana S. Shinde, N. Vivekanandan, C. Srishailam</i>
70	34	ASSESSMENT OF THE IMPACT OF CLIMATE CHANGE AND COASTAL PROTECTION SOLUTIONS AT VULNERABLE COASTAL SITE USING NUMERICAL TECHNIQUES <i>R.K.Chaudhari, S.K. Kori, Dr. M. Phani kumar, Dr. Prabhat Chandra</i>