



A Joint Initiative of

Department of Fisheries, Govt. of Kerala and National Informatics Centre, Kerala

Sagara web portal and mobile application is developed for ensuring fishermen security, focused on monitoring the fishing vessels and registering the crew going for fishing operation. This will primarily act as a form of communication between fishermen and authorized government agencies, to be informed about the fishermen and the vessels on board.

SAGARA mobile application

Sagara Android based application is to help the Fisheries Department to keep an up-to-date entry and exit of vessels and fishermen venturing in to the sea. The Mobile App supports multiple languages, which allows the vessel owner / representative to select their preferred language and register the entry and exit details of the vessels and passengers.

It is also designed to receive notifications and messages about critical warnings, alerts and information in local language.

About the web application

Facilitating the fisheries department officials to know the number of vessels on boarded, returned and number of crew accompanied as on date. User credentials are provided to the Fisheries officials to know the live status of on boarded vessels, crew and number of vessels in the sea.

Way forward

- Integration with NaviC can facilitate geo location and navigation.
- It can provide the position of fishing vessels within mobile coverage in the Sagara dashboard

The screenshot shows the Sagara web portal interface. At the top, it says 'Portal for reporting and monitoring of fishing crafts and crews' and 'Digital Kerala initiative by National Informatics Centre'. There are navigation links for 'About Sagara', 'Critical Warning', and 'Warning'. A map displays 'Vessel locations by departure on map' with markers for various locations like Kollam, Thiruvananthapuram, and Tirunelveli. A summary card shows 'TOTAL VESSELS ON TRAVEL' with '2 | 4 people onboarded'. Below this, there are tables for 'TODAY', 'YESTERDAY', and 'Current Month' showing 'On-boarded' and 'Returned' counts. A table lists 'TOTAL VESSEL ON TRAVEL' by 'Place of Registry' with entries for ALAPPUZHA (1), THAIEKAL, KANNUR (1), and AZHEEKAL.

The screenshots show the Sagara mobile application interface in Malayalam. The main screen displays 'സാഗരം മത്സ്യത്തൊഴിലാളികൾക്ക് വേണ്ടി' (Sagara for fishermen) and 'പി.കെ.എസ്. സി.സി.സി. സഹായം' (P.K.S.S.C.S.I. Support). There are input fields for 'പുതിയ യാത്രക്കാരുടെ ചേർക്കൽ' (New crew registration) and 'യാത്രക്കാരുടെ കൂടെ' (Crew details). A summary card shows 'നിലവിലുള്ള വാഹനങ്ങൾ' (Current vessels) with a count of 1. There are also sections for 'പുതിയ യാത്ര ക്രമീകരിക്കുമോ?' (New trip planning) and 'യാത്ര കഴിഞ്ഞു (നിലവിലില്ലാതെ)' (Trip completed). The National Informatics Centre (NIC) logo is visible at the bottom.