



## Rapid Fire Current Affairs

### 'Anjadip' Marks Milestone in Indigenous Shipbuilding for Indian Navy

The launch of the third 3<sup>rd</sup> [Anti-Submarine Shallow Water Craft \(ASMSWC\) ship, 'Anjadip'](#), signifies a significant milestone in the [indigenous shipbuilding efforts of the Indian Navy](#). Manufactured by **Garden Reach Shipbuilders & Engineers (GRSE)** in collaboration with **Larsen & Toubro (L&T) Shipbuilding**, the launch ceremony was held at the **Kattupalli, Tamil Nadu** on June 13, 2023.

Named after the **strategically important island of Anjadip**, situated off the **coast of Karwar, Karnataka and connected to the mainland by a breakwater**, the ship represents the vital maritime role played by the island.

Furthermore, it is **part of the larger INS Kadamba naval base**. The ASW SWC project involves the construction of a **total of eight ships, designed to replace the existing Abhay class ASW Corvettes**. These Arnala class ships are specifically designed for **anti-submarine operations in coastal waters, Low Intensity Maritime Operations (LIMO)**, and Mine Laying operations, including subsurface surveillance in littoral waters.

These ships boast over **80% indigenous content**, promoting large-scale defence production by Indian manufacturing units and bolstering employment opportunities while strengthening the country's capabilities in naval defence.

**Read more:** [India's Indigenous Move, INS Kadamba](#).

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### Sanshodhak

The '**Sanshodhak**', the **fourth ship** of the Survey Vessels (Large) (SVL) Project being **constructed by L&T/GRSE** for the Indian Navy, was **launched in Kattupalli, Chennai**. The ship's name, 'Sanshodhak', meaning 'Researcher,' signifies its primary role as a Survey Vessel. The SVL project involves four ships, with the first ship built at GRSE in Kolkata and the remaining three ships constructed up to the outfitting stage by M/s L&T Shipbuilding in Kattupalli. The first three ships of the project, **Sandhayak, Nirdeshak and Ikshak** were launched in Dec 2021, May 2022, and Nov 2022 respectively.

These new-generation hydrographic survey ships, **measuring 110m in length and 16m in width**, will **replace the existing Sandhayak Class** ships and are equipped with state-of-the-art hydrographic equipment for collecting oceanographic data. They will **conduct coastal and deep-water surveys, collect oceanographic and geophysical data**, and have secondary roles in defense, HADR, and acting as a hospital ship during emergencies.

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### TRAI Directs Access Providers to Deploy AI-based System to Combat Unsolicited Commercial Communication

The [Telecom Regulatory Authority of India \(TRAI\)](#) has issued a directive to all **Access Providers**, mandating the **deployment of an Artificial Intelligence (AI) and Machine Learning (ML)** based system called **UCC\_Detect**.

The purpose of this system is to **detect, identify, and take action against senders of Commercial Communication** who are **not registered under the [Telecom Commercial Communication Customer Preference Regulations, 2018 \(TCCCPR-2018\)](#)**. These unregistered entities, known as **Unregistered Telemarketers (UTMs)**, use 10-digit mobile numbers to send commercial communications via messages or calls.

**UCC Detect system is capable of adapting to new signatures, patterns, and techniques employed by UTMs.** Access Providers have also been instructed to share intelligence with other Access Providers using the **DLT (Distributed Ledger Technology)** platform. All Access Providers are required to comply with these directives and provide an updated status on the actions taken within thirty days.

**Read more:** [Telecom Regulatory Authority of India](#) , [Artificial Intelligence \(AI\)](#) , [Machine Learning \(ML\)](#)

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### 3D Scanning and JATAN Virtual Museum Builder Software

A Memorandum of Understanding has been signed between the **MeitY and Union Culture Ministry** to complete **3D digitisation of all museums** under its administrative control for better conservation of artefacts.

The digitisation process involves 3D scanning which **means analysing a real-world object or environment to collect three-dimensional data** of its shape and possibly its appearance. The collected data is then used to construct digital 3D models. The 3D digitisation would be done using the **JATAN virtual museum builder software** which has been designed and developed by Human Centres Design and Computing Group, **Centre for Development of Smart Computing, Pune, Maharashtra.**

JATAN is a **digital collection management system for Indian museums.** It is a client server application with features such as image cropping, watermarking, unique numbering, management of digital objects with multimedia representations. It can **create 3D virtual galleries and provide public access through web, mobile or touch screen kiosks.**

**Read more:** [3D Printing](#)

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