# Rapid Fire Current Affairs

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

The launch of the third 3rd **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, Maharastra.**

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**