

JATAN Virtual Museum Builder

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About JATAN Virtual Museum Builder:

- It is a **digital collection management system** for Indian museums.
- It has been designed and developed by the **Human Centres Design and Computing Group, Centre for Development of Smart Computing**, Pune.
- It is a client-server application with features such as **image cropping, watermarking, unique numbering, and management of digital objects** with multimedia representations.
- It can create 3D virtual galleries and provide public access through web, mobile or touchscreen kiosks.

What is 3D scanning?

- It means **analysing a real-world object** or environment to collect three-dimensional data on its shape and possibly its appearance.
- The collected data is then used to construct digital 3D models.

Key facts about C-DAC

- It is the apex **research and development wing** of the **Ministry of Electronics and Information Technology**.
 - It was established in the year 1988.
 - Its main purpose was to carry out research and development in Electronics, IT and other associated areas.
 - It was setup to build Supercomputers in the context of the denial of the import of Supercomputers by the USA.
 - C-DAC build **India's first indigenously built supercomputer Param 8000** in 1991.
 - **Applications of Param 8000:** long-range weather forecasting, remote sensing, drug design and molecular modelling.
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Q1) What is a supercomputer?

A supercomputer is a powerful computer system designed to perform complex computations and process large amounts of data at extremely high speeds. Supercomputers are built to tackle computationally intensive tasks that are beyond the capabilities of conventional computers.

Source: [Centre to complete 3D digitisation of museums by year-end](#)

Source: <https://vajiramandravi.com/current-affairs/jatan-virtual-museum-builder/>

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