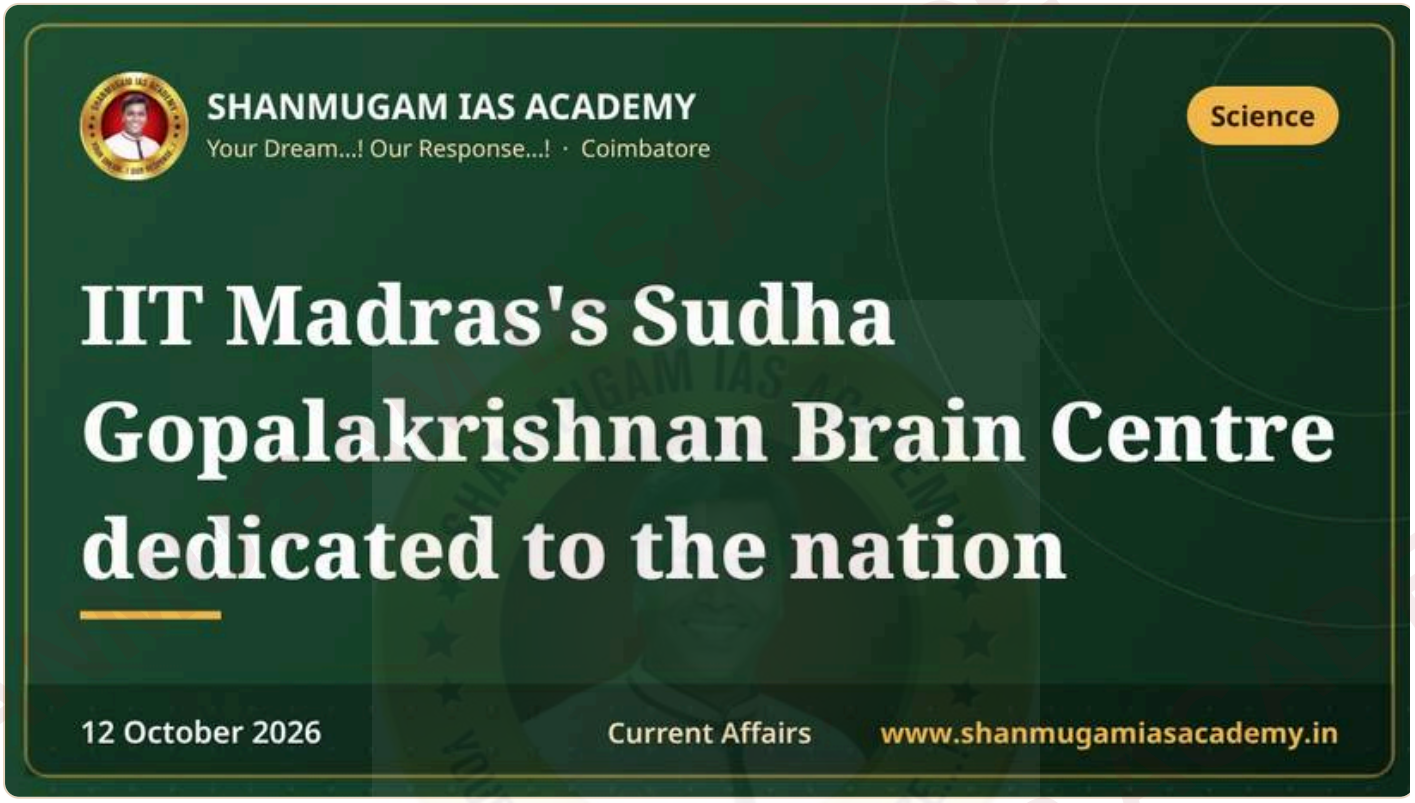
IIT Madras's Sudha Gopalakrishnan Brain Centre dedicated to the nation

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News

On 11 Oct 2026 PM Narendra Modi dedicated the Sudha Gopalakrishnan Brain Centre (SGBC) at IIT Madras to the nation, with CM C. Joseph Vijay present. He launched a global mission to build 3D cellular-resolution atlases of more than 100 human brains, from foetus to old age, and released 'C-STROKE', described as the world's first 3D atlas of a brain affected by ischaemic stroke.

Key facts

Centre	Sudha Gopalakrishnan Brain Centre (SGBC), IIT Madras – started 2022
Funding	Kris Gopalakrishnan (Infosys co-founder) and Sudha Gopalakrishnan; Prem Watsa
C-STROKE	World's first 3D atlas of a stroke brain; 1,000+ sections; processed on 'Param Shakti' supercomputer
DHARANI	2024 – 3D atlas of the human foetal brain (5,132 sections)
Partners	CMC Vellore, NIMHANS, Saveetha Medical College and others

Background

- Science: the cerebrum, the largest part, handles thought and memory; the cerebellum keeps balance; the medulla controls involuntary actions like heartbeat and breathing. The neuron is the basic unit of the nervous system.
- Stroke: blocked blood flow to the brain causes 'ischaemic' stroke; a burst blood vessel causes 'haemorrhagic' stroke.
- Supercomputing: India's first supercomputer 'PARAM 8000' (1991, C-DAC Pune); National Supercomputing Mission (NSM) – 2015. 'Param Shakti' is at IIT Kharagpur.
- IIT Madras was founded in 1959 with West German assistance; it has repeatedly topped the NIRF rankings.

Tamil Nadu link: the centre is at IIT Madras; CMC Vellore and Saveetha Medical College in Tamil Nadu are partners. On the same visit the PM opened a Chennai Metro Phase II stretch (item 17).

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