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IIT Kanpur puts focus on developing worldâ??s most advanced 'artificial heart'

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Launches a grand challenge-based programme- Hridyantra



The School of Medical Research and Technology (SMRT), at the Indian Institute of Technology (IIT) Kanpur, has announced the launch of Hridyantra, a grand challenge-based programme to develop the world's most advanced Artificial Heart or a Left Ventricular Assist device (LVAD).

The programme, in collaboration with the nation's leading hospitals, would promote the vision of Made in India for the world.

A team of innovators with relevant experience will be selected under the mentorship of a task force composed of industry experts. The challenge to develop India's first LVAD system will be open to basic sciences, medical and engineering graduates or graduates of any stream with relevant experience.

Selected candidates will receive a fellowship and a milestone based ownership in the commercial entity once the LVAD is successfully commercialised and launched.

The SMRT, IIT Kanpur has created a task force that includes engineering faculty members from IIT Kanpur, industry experts from the US, and clinical experts from Narayana Health, All India Institute of Medical Sciences-Delhi (AIIMS Delhi), Apollo, Fortis Healthcare, Medanta, KIMS, and UN Mehta Heart Institute to handhold the selected fellows on developing the Artificial Heart.

Upon completing their clinical immersion, the fellows will move to IIT Kanpur to begin the product development process under the project. The minimum eligibility criteria for candidates is a bachelor's degree in any relevant basic sciences, engineering or medical sciences discipline or a graduate in any stream with related experience. Candidates should be team players, with a penchant for creativity and problem-solving.