



TIME BOUND
PARLIAMENT QUESTION

Sub: Rajya Sabha admitted Unstarred Question No. 2960 for 29.03.2022 – reg.

Point-wise inputs submitted by **Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (SCTIMST)**.

(a)	Whether Government is aware that the new medical devices are continuously evolving and technologies like Artificial Intelligence (AI) are in use for monitoring critical patients in ICU/OT and faster diagnostics kits equipments are emerging periodically;	Innovative medical technologies developed at the research institutions are being used clinically to experience the effectiveness and advantages of the same. The products developed at the Biomedical Technology Wing of the institute are handed over to the hospital to check the clinical effectiveness. Faculty in medical research institute like SCTIMST are working on projects in developing and validation of AI technologies used in patient care.
(b)	The measures being taken to provide India's top medical research institutes with access to innovative medical devices in order to ensure that patients are given the best care possible; and	Funding is provided by the government to Institutes to develop research projects and programs to develop medical devices. Clinical trials of the second generation heart valve which is a MRI compatible model which is developed at the Biomedical technology wing of the Institute. Further funding from government of India will allow access to newer devices that can enable the best possible patient care. As part of this CSR grant, Sascan Meditech Private Limited, incubated at TIMed (the technology business incubator of Sree Chitra) has developed OralScan which is an optical imaging multimodal device for the early detection of (pre-) cancerous lesions of the oral cavity.
(c)	The details of the measures being taken/proposed to be taken by Government to train postgraduate students from Government medical colleges on latest medical technologies such as AI?	There is a proposal for starting MD-PhD integrated programs where post graduate students in medical colleges can work under the guidance of mentors in SCTIMST in newer areas of medical technology use and development. This includes AI based technologies. Close collaboration and joint PhD programs between medical institutes and technological institutes like IITs is also being planned.

Date: 24.03.2022

DIRECTOR