



**TIME BOUND**  
**PARLIAMENT QUESTION**

**Sub:** Rajya Sabha Starred/ Unstarred Questions (Dy. No. U3418 and D2454) for reply on 23rd Dec 2021.

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

Name of Research Institution :	<u>Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (SCTIMST)</u>	
RAJYA SABHA STARRED/ UNSTARRED QUESTION Dy. No. U3418 regarding 'Research institutions in the country' – for reply on 23rd Dec 2021	(a) Number of research institutions that under the Ministry;	<u>Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (SCTIMST)</u> , an Institution of National Importance under the Department of Science and Technology, Govt. of India, providing high quality, advanced treatment of cardiac and neurological disorders and public health training and research, focusing on indigenous development of technologies for biomedical devices and materials.
	(b) Number of patents that have been obtained by these institutions over the past five years; and	Indian granted patents – 37 Indian patents filed – 123 Foreign patents granted – 2 Foreign patents filed – 28
	(c) Number of these patents that have become commercial products and the value of these products?	The following have been commercialized during the last five years by the companies after technology transfer from Institute: <ul style="list-style-type: none"><li>• Tricalcium phosphate and hydroxyapatite (Bioceramics) by M/s Onyx medical (HAP – patent granted).</li><li>• Chitra SARS CoV2 multiplex RT PCR Test kit by M/s Huwellifesciencespvt ltd (patent applied).</li><li>• Chitra Magna – RNA isolation kit by M/s Agappe Diagnostics Ltd(patent applied).</li><li>• Wipro 3D Chitra Emergency Breathing Assist System (EBAS) by M/s Wipro Enterprises Ltd (patent applied).</li><li>• UVc disinfection devices by M/s VST mobility solutions (patent applied).</li><li>• Viral Transport Medium by M/s Origin diagnostics &amp; research (patent applied).</li><li>• Deployable modular field hospitals jointly developed with the company by M/s Debrique creative labs(patent applied).</li><li>• Vein Viewer by M/s Agappe diagnostics Ltd(patent applied).</li></ul>





श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेन्द्रम  
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM

THIRUVANANTHAPURAM - 695 011, KERALA, INDIA

(एक राष्ट्रीय महत्त्व का संस्थान, विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार)

(An Institution of National Importance, Department of Science and Technology, Government of India)

टेलीफोन नं./Telephone No.: 0471-2443152 फैक्स/Fax: 0471-2446433, 2550728

ई-मेल/E-mail: sct@sctimst.ac.in वेबसाइट/Website: www.sctimst.ac.in

PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Diary No. U2454 regarding 'Commercialization of patents in the Country' - for reply on 23rd Dec 2021	(a) The details of the manner in which the Institute is helping scientists to commercialise their patents and turning them into robust businesses;	Institute encourages filing patents and transferring technology to industries. Industry Partners are identified for projects that have commercial potential.
	(b) The total amount of funding provided in this regard during the last five years; and	The Institute has a system of undertaking projects through the funding provided by different funding agencies like DST, DBT etc. A major funding of Rs.60 crores has been received by the Institute from DST under the Technical Research Centre program in 2016. 55 projects are being executed under this program. Of these around 8 projects have tied up with industry and is in various stages of translation.
	(c) The examples of how patents were successfully commercialized?	During the COVID pandemic the Institute has developed the following products, the know-how of the same was transferred to industry partners and the same was commercialized: <ul style="list-style-type: none"><li>• Chitra SARS CoV2 multiplex RT PCR Test kit.</li><li>• Chitra Magna – RNA isolation kit.</li><li>• Wipro 3D Chitra Emergency Breathing Assist System (EBAS).</li><li>• Viral Transport Medium.</li></ul>

Date: 15.12.2021

DIRECTOR



निदेशक / DIRECTOR

श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान  
Sree Chitra Tirunal Institute for  
Medical Sciences and Technology  
त्रिवेन्द्रम / Trivandrum-695011