

## **PRESS RELEASE**

# **IIT Hyderabad provides Hand Sanitizers for Sangareddy District Administration**

**Every day, the Institute is providing nearly 100 liters of Hand Sanitizers developed by a Research Group led by Dr. Jyotsnendu Giri, Associate Professor, Dept of Biomedical Engineering**

**HYDERABAD, 9<sup>th</sup> April 2020:** Indian Institute of Technology Hyderabad has been providing nearly 100 liters of hand sanitizers per day to the Sangareddy District Administration since 4th April 2020. The hand sanitizers were developed by a Research Group led by Dr. Jyotsnendu Giri, Associate Professor, Dept of Biomedical Engineering. They are being handed over to the Sangareddy Collectorate, which facilitates dissemination of the product to the local population.

Dr. Jyotsnendu Giri's research group developed their own compositions of hand sanitizer, which includes Isopropanol/ethanol, Mecetronium Ethyl Sulphate, Glycerol, Brilliant Blue and Fragrance (Jasmin/Clove/Lavender Oil). It was also being shared with the IIT Hyderabad community since March 2020. The Research Group has developed the composition on par with the standards recommended by World Health Organization (WHO) and the U.S. Centers for Disease Control and Prevention (CDC).

**Speaking about this initiative, Prof. B.S. Murty, Director, IIT Hyderabad said,** "Amid the Coronavirus crisis, IIT Hyderabad, as a premier academic institution, is geared up to contribute to the society, the nation and the world at large through its research and offer support to the local community. To combat Coronavirus, the Institute initially prepared hand sanitizers for internal usage. In view of the scarcity of this product for the public at large, the Institute is now preparing and delivering about 100 liters of hand sanitizer every day to the Sangareddy District Collector's office for local distribution."

Laboratory technical staff staying inside campus are involved in the manufacturing process of the hand sanitizer every day. Dr. Jyotsnendu Giri along with other technical staff, including Mr. Vijaya Kumar and Ms. Jaya Lakshmi, are involved in the process.

**Dr. Jyotsnendu Giri, Associate Professor, Dept of Biomedical Engineering, IIT Hyderabad, said,** "Being a researcher in an IIT, it is my duty to serve our nation through scientific research and innovation. This is my small contribution to our society in this difficult time. I am thankful to Prof. B.S. Murty, Director, IIT Hyderabad, for this initiative and all support and others involved in the manufacturing process."

Dr. Jyotsnendu Giri's research group - Engineering Nanomaterials and Regenerative Medicine Laboratory (ENARM Lab) - focuses on research and innovation for effective



and affordable healthcare solution in the areas of Nanomedicine and Regenerative Medicine.

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### About [IIT Hyderabad](#)

Indian Institute of Technology Hyderabad (IITH) is one of the six new Indian Institutes of Technology established by the Government of India in 2008. In a short span of around a decade, the institute built on an imposing 570-acre campus and has been ranked among the top ten institutes for four consecutive years in the [National Institute Ranking Framework \(NIRF\)](#) released by the Ministry of Human Resource Development (MHRD), Government of India. The Institute was also ranked #10 in the first edition of [Atal Ranking of Institutions on Innovation Achievements](#) (ARIIA) introduced this year by MHRD to systematically rank all major higher educational institutions and universities in India on indicators related to 'Innovation and Entrepreneurship Development' among students and faculties.

IIT Hyderabad has close to 210 full-time faculty, 2,855 students of whom 20 per cent are women, nearly 200 state-of-the-art laboratories and five research and entrepreneurship centers. The Institute has a strong research focus with more than Rs. 500 crore of sanctioned research funding while Ph.D. scholars account for about 30 per cent of total student strength. IITH students and faculty are at the forefront of innovation with more than 1,500 research publications and patent disclosures, 300 sponsored/consultancy projects and 50 industry collaborations. IITH has MoUs with 50 universities in the U.S., Japan, Australia, Taiwan and Europe. IITH has been pioneering change in pedagogy with fractal academic programs that atomizes course modules, encourage interdisciplinary learning spanning innovative technology, fundamental science, liberal arts and creative arts like photography, theatre and painting.

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