

## Partnership in Korea to advance 3D printing medical device technology

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**UNIST and Pusan National University Yangsan Hospital collaborate on advanced 3D printing medical device technology**



Ulsan National Institute of Science and Technology (UNIST), in collaboration with Pusan National University Yangsan Hospital in South Korea, has embarked on a joint venture to research and develop advanced 3D printing medical device technology.

The UNIST 3D Printing Convergence Technology Center recently signed a business agreement with the Medical Device Usability Test Center at Pusan National University Yangsan Hospital. This agreement outlines their collaborative efforts in various areas, including the research and development of 3D printing-based medical devices as well as support for the commercialisation of domestically developed devices.

Notably, Yangsan Pusan National University Hospital's Medical Device Usability Evaluation Center holds the distinction of being the first institution outside metropolitan areas designated by the Ministry of Health and Welfare as a medical device usability test and evaluation centre. With specialised facilities and expert manpower available within Korea's largest comprehensive medical cluster, it is well-equipped to contribute significantly to this collaboration.

Beyond their joint research and development activities in relation to 3D printing medical devices, both organisations aim to strengthen cooperation through shared discovery of national R&D tasks, utilisation of R&D facility equipment together, personnel exchange programmes between institutions, as well as academic exchanges.

Established in 2020, the UNIST 3D Printing Convergence Technology Center has been actively promoting the application of 3D printing technology across major industries such as automobiles, shipbuilding, and energy through collaborations with relevant sectors.