

Achievements of Centre

a) Patents & Design Registrations

DIC has filed 4 patent applications and 6 design registrations till date out of which 5 design registrations have been granted while 2 patent applications have been published.

b) Technological interventions during the COVID-19 crisis

- At the height of the COVID crisis in March-April 2020, a Low-cost face shield was made from locally available materials, and supplied to over 1000 medical personnel free-of-cost.
- Ventilator and oxygen *splitters* were designed and 3D printed for the super-specialty hospital SKIMS during the COVID crisis.
- A bag-valve based low-cost ventilator prototype, RUHDAAR, was successfully developed.
- Low-cost, modular Negative pressure chambers (NPC) for isolation of COVID-19 patients were designed, fabricated and deployed at the Chest Diseases hospital, Srinagar.