



**List of technologies supported under ICMR-Medical Device & Diagnostics
Mission Secretariat (MDMS)**

ICMR has established Medical Device and Diagnostics Mission Secretariat (MDMS) at its hqrs. to foster indigenous manufacturing of medical devices and diagnostics through different schemes to strengthen healthcare system in line with 'Make-in-India' initiative of the Government of India. Such ICMR supported technologies having potential public health impact have reached a stage wherein they need support for validation by conducting pre-clinical and/or clinical studies as listed below:

Pre-Clinical study support

	Title of the Technology	NHM Area
1.	Orthopaedic Screw	National Programme for Health Care of the Elderly (NPHCE)
2.	Novel 3D Printed Metallic Lattices for Sustained in-situ Delivery of Drugs	National Cancer Control Programme
3.	Drug Eluting Scaffold	National Programme for prevention & Control of Cancer, Diabetes, Cardiovascular Diseases & stroke (NPCDCS)
4.	Microneedle based Painless Vaccine Delivery Device (Solid Needles)	National Programme on Prevention and Control of Diabetes, CVD and Stroke
5.	Microneedle based Painless Vaccine Delivery Device (Hollow Needles)	
6.	Left Ventricular Assist Device (LVAD)	

Clinical study support

	Title of the Technology	NHM Area
1	i-scope: Automated Microscopy for Cervical Cancer Diagnosis (pap smear)*	National Cancer Control Programme
2	Smartphone based Fluorescence spectroscopic device for Cervical Cancer Detection	
3	Reusable and adjustable Biopsy Gun	
4	Flexible Laparoscopy Surgery Instrument	
5	Cancer Prosthetic Bone Graft	
6	Genie-HPV-Molecular Assay	Maternal & Child Health
7	Screening Device for Pre-eclampsia	
8	Hearing Screening Device	
9	nLite360 - World's 1st Intelligent Phototherapy device which provides a customized treatment to the Dynamic Jaundice conditions	
10	Nemocare Raksha-an IoT enabled system that comprises of a medical grade wearable	



	backed by our AI engine that can remotely and continuously monitor new-borns for distress detection and management	
11	RF Ablation Device for PCOS	
12	Non-invasive PoC Diagnostics for Neurological Conditions Like Epilepsy	National Mental Health Programme
13	Portable and Affordable Smartphone based Ophthalmic Screening Device	National Programme for Control of Blindness
14	Ocular Drug Delivery Device	National Programme for Health Care of the Elderly (NPHCE)
15	Total Elbow Prosthesis	
16	DiaPatch with ActiFlush technology: The world's first smart Flushable Diaper	
17	WoUnder- Patch (Diabetic Patch)	National Programme for prevention & Control of Cancer, Diabetes, Cardiovascular Diseases & stroke (NPCDCS)
18	Artsens-Image Free Ultrasound For Vascular Ageing and Screening	
19	Developing Affordable and AI-enabled Handheld X-ray device for Tuberculosis Diagnosis	National TB Control Programme
20	Development of Point of Care Nucleic Test for Detection of Viral Load in Real Time	
21	Portable Point-of-Care device for albumin/Direct Bilirubin/Total Bilirubin detection/Total Protein in serum for liver/Kidney Disorders	Non-communicable diseases; National Programme for Health Care of the Elderly (NPHCE) on-Communicable Diseases; National Programme for prevention & Control of Cancer, Diabetes, Cardiovascular Diseases & stroke (NPCDCS)
