

3.2.1- The Institution has created an ecosystem for innovations including Incubation Centre and other initiatives for creation and transfer of knowledge

An ecosystem is developed with multiple stakeholders wherein health care workers, specialists and technology care were integrated for Oral Cancer Control program. Mobile Health (mHealth) technology and Point of care diagnostic tools amalgamated with AI/ Machine learning algorithms have been implemented in the field settings by a low skilled health care personnel in limited resource settings for early detection, surveillance of Oral Potentially Malignant Disorders (OPMDs) and oral cancer. A robust training module has been developed for Frontline Healthcare providers (FHPs) for early detection of OPMDs/Oral cancer. Several Public health awareness programs on ill effects of tobacco were conducted to downstage Oral cancer.

The novel approach was implemented in both primary and secondary prevention in a pragmatic way. The training module is designed to cater primary care providers, students and specialists. The secondary preventive modules were through the technology enabled mobile health and point of care diagnostics, which included imaging, molecular markers supplemented with AI/ML. The diagnostic accuracy was calibrated to fit in to the different levels of health care system in India. This collaborative approach resulted in procuring grants from national and global institutions with impactful publications. The beneficiaries are rural population who has limited access for health care.