Project Title - 2	**Development of barbed, bi-directional surgical sutures**
Principal Investigator	Dr.K.P.Chellamani
Cost	Rs.30.00 lakhs
Date of commencement	January 2010
Duration	24 Months
Date of Completion	Dec - 2011
Abstract	The aim of this project is the development of barbed, bi-directional surgical sutures. Surgical sutures are the most frequently used biomaterial for wound closure and tissue approximation. However, they rely on the surgeon's ability to tie secured knots, which is challenging and time consuming process. Improper tieing and handling can result in knot breakage or slippage, and potentially wound dehiscence. Further, the knot impedes wound healing, constricts blood flow, distorts tissue, and increase scar formation. To overcome these problems, attempts have been made in developed countries to design self-anchoring sutures.
Highlights	A knotless absorbable monofilament suture
Area of applicability	Medical textile
Target beneficiaries	Corporate hospitals and poly clinics where suture threads are in use
Status	Ongoing