

List of major projects, BCCD

Sl. No.	Title of the Project	Duration	Funding Agency	Principal Investigator
1	Micromechanical characterization of hydroxyapatite coated metallic implants	July 2006 – June 2009	DST	Dr. D. Basu
2	Development of selected medical implants	April 2005 – Feb. 2010	CSIR	Dr. D. Basu,
3	Development of Ceramic-based Implantable Delivery System for Sustained Release of the Drugs for the Treatment of Osteomyelitis in Human Patients	April 2007 – March 2010	DST	Dr. D. Basu
4	Design and fabrication capabilities for very high power microwave tubes	April 2007 – March 2012	CSIR	Dr. D. Basu
5	New insights in cancer biology identification of novel targets and development of target based molecular medicine	April 2007 – March 2012	CSIR	Dr. M. K. Sinha
6	Development of suitable biomaterials and process techniques for preparation of patient specific implants for rehabilitation	April 2007 – March 2012	CSIR	Dr. D. Basu
7	Nanomaterials and nanodevices in health and disease	April 2007 – March 2012	CSIR	Dr. D. Basu
8	Development of Thermally Sprayed Ceramic Based Coatings	Sept. 2007 – Aug. 2010	TIFAC, DST	Dr. D. Basu
9	Study of Remodeling of bone-ceramic interface to assess cell growth kinetics as a function of composition and morphological modification of ceramic implant	Feb. 2007 – Jan. 2010	DST	Dr. D. Basu
10	Development of ceramic-based implantable delivery system for sustained release of the drugs for treatment of osteomyelitis and diabetes	July 2007 – June 2010	DST	Dr. D. Basu
11	Development of SiAlON ceramics for tribological applications	July 2007 – June 2009	CSIR	Dr. D. Basu
12	Development of Functionally graded patient specific orthopedic implants by rapid prototyping techniques and their evaluation <i>in vitro & in vivo</i>	April 2009 – March 2012	DST	Dr. D. Basu
13.	Development of ceramic based implantable delivery system for sustained release of the drugs for the treatment of osteomyelitis in human patients	March 2007- Feb. 2010	DST	Biswanath Kundu
14.	Development of bioactive ceramic coating on orthopedic implants (metallic) for sustained, localized delivery of bisphosphonates to improve fixation	-	DST	Dr. Jui Chakraborty