

Information on sponsored /consultancy project (s) undertaken by IITG faculty members in areas concerning Persons with Disabilities (PwD) :

SI No.	Name of faculty	Dept / Centre	Status (Completed / ongoing / submitted)	Title of the sponsored / consultancy project	Remarks
01	PI : Prof .Uday Shanker Dixit Co-PI: Prof. S.K. Kakoty	ME ME	Project Completed in 2002-2003	Design of Mechatronic wheelchair with modular features	
02	Dr.S.Kanagaraj	ME	Project already completed	Developing light weight, durable and user friendly artificial limbs through Nanotechnology-based modification of conventional materials and optimizing mechanical component design for enhancing their functional performance	Funding agency: Department of Biotechnology, India Amount: Rs. 56.87 lakh for both IITG and NEIGRIHMS
03	PI: Dr.Piruthivi Sukumar Co-PI: Dr.S.Kanagaraj	BSBE ME	Project proposal submitted	Design and development of light weight and inexpensive high-end passive prosthetic and orthotic devices to increase the acceptability level and functional capability of disabled people	Funding agency: DST, India under TIDE program
04	PI: Dr.Piruthivi Sukumar Co-PI: Dr.S.Kanagaraj	BSBE ME	Project proposal submitted	Low cost physiotherapeutic rehabilitation device for upper limb paralysis	Funding agency: DST, India under TIDE program
05	PI: Dr.Piruthivi Sukumar Co-PI: Dr.S.Kanagaraj	BSBE ME	Project proposal submitted	Preservation of residual hearing by localized delivery of nanoceria based solid solution and composite as an antioxidant in cochlear implants	Funding agency: Department of Biotechnology, India under Twinning program
06	PI : Keyur Sorathia	Design	Project already completed	To empower PWDs through developing smart phone based applications to (a) increase digital and usage literacy to use smart phones and (b) support PWDs in performing day-to-day critical activities through smart phones which are	Funded by Samsung Research Institute Bangalore

				often difficult to accomplish by PWDs.	
07	PI : Keyur Sorathia	Design	Project already completed	Initiative with Election Commission of India (ECI) to support PWDs during voting a pilot study called K-DAC (Kamrup Disability Assistance Center) was piloted in Kamrup district along with Kamrup district administration and ECI to facilitate PWDs during voting in Assam state election 2016	
08	PI : Keyur Sorathia	Design	Project proposal submitted	Independent, accurate, safe and user-friendly public transport navigation system for visually impaired (VI) persons	Domain and Theme(s): Healthcare Assistive technologies for disabled This project is already submitted in IMPRINT, with co-funding from Accessibility Center of Excellence – TCS. They will be ready to co-fund the project, if funded by other government funding agencies too.
09	PI : Supradip Das Co- PI : Prof. Amarendra Kumar Das	Design Design	Ongoing Project	Design & Development of High-Performance, Low-Cost, Passive Transfemoral Lower Limb Prosthetic	
10	PI : Abhishek Shrivastava Co-PI : PriyankooSarmah	Design HSS	(For the Center for Linguistic Science and Technology) Project proposal submitted	A self-assisted system for navigation and sightseeing for the visually challenged	
11	PI : Prof. Roy P. Paily	EEE	Project proposal submitted	Design and Implementation of a Blind Assistance System using FPGAs and Sensors. Objective: To provide a novel, compact and user-friendly device for the visually impaired blind people	Funding agency - DeitY
12	PI : Prof. S.B.Nair Co PI : Prof. J.K.Deka & Prof. P.K.Das	CSE	Project already completed	An assistance computer user interface for the visually challenged.	Funded by - Ministry of Social Justice and Empowerment (MSJE)