

### List of Projects in Mech. Engg.

S.No	Name of The faculty	Project Title	Funding Agency	Amount	Duration (years)	Status
1	Shankar Sehgal (Coordinator)	Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Department of Science & Technology	₹11000000	5	Completed
2	Prof. Amrinder pal Singh	Design, Development, and Pre-Clinical Validation of SMARTDICE: an Automated Smart Cartilage Dicer for dicing and predicting diced cartilage integrity for Rhinoplasty and Facial trauma/deformities.	ICMR	₹40,00,000		Ongoing
3	Prof. Amrinder Pal Singh	Development of Flexible-Wearable Patch Antennas using direct writing printing techniques on textiles	NTU-PU research grant	£ 8500 (₹ 979200)		Completed
4	Rajesh Kumar	Self-Powered Wearable Biosensor Integrated with Nanopore and Triboelectric Nanogenerator for Non- Invasive Health Monitoring	UKIERI 4 and SPARC Phase 3 Joint Funding	₹13169190	2	Ongoing
5	Rajesh Kumar	Design of Cost-Effective Indigenous Vision Machine for Small and Medium Scale Industries	Technology Development Programme, DST	₹2918408	2	Ongoing
6	Rajesh Kumar	Design of a Portable Unit for neck muscle strength assessment from Sept 2023 to Sept 2022	Alumni Relations, Panjab University	₹49000	1	Completed
7	Prashant Jindal	National Initiative for design innovation 3.0 ,national initiative for setting up of design innovation centres (DIC)	Ministry of Education	₹25000000	5	Ongoing
8	Prashant Jindal	Design and Fabrication of Active Transradial Bionic Prosthetic Arm	SERB,DST	₹3795000	2	Ongoing
9	Amit Chauhan	Development and fabrication of environment sustained paper board from paddy waste	RUSA	₹500000	6 months	Completed
10	Parveen Goyal	Establishment of Eco clubs in constituent and affiliated college of Panjab University, Chandigarh under mission life – lifestyle for environment	Punjab state council for Science and Technology	₹1210000	1	Ongoing
11	Rajesh Kumar	Design and Development of Leaf collector and composting	DST & renewable Energy,	₹160000	1	Completed

		machine	Chandigarh Administration			
12	Shankar Sehgal	Scientific & Technical Services	Mitutoyo South Asia Pvt. Ltd.	₹30,00000	-	Ongoing
13	Manu Sharma	Facility for Battery Testing under CSR scheme	Oceaneering	₹1,00,00,000	4	Ongoing
14	Prashant Jindal	Heat transfer optimization for Li-ion battery packs for enhanced performance of BTMS 2021 to 2022	Nottingham Trent University(UK)-PU R&D partnership	GBP 4010 413000 INR	2	Completed
15	Manu Sharma	Technology Enabling Centre	DST	INR 3,26,40,000	6	Ongoing
16	Manu Sharma	Study on tech-intensive / DSIR recognized industrial units in Punjab	PSCST	INR 9,98,250	1	Ongoing
17	Manu Sharma	Study on tech-intensive / DSIR recognized industrial units in Punjab	PSCST	INR 14,35,500	1	Completed
18	Manu Sharma	CAPSTONE	PSCST	INR 75,000	1	Ongoing
<b>Total</b>				<b>INR 11,13,42,548</b>		