

PROJECTS COMPLETED DURING 2021-22

(As on 31.3.2022)
(Rs in lakhs)

Externally Funded Projects*

S. No.	Title of the Project	Project Number	Date of Start	Date of Completion	Total Commitment & Sponsor	Project Leader
1.	Design, Development and Validation of Personalized Air Disinfectant/ Purifying Device	CLP 0032	22.12.2020	31.08.2021 (Completed)	18.980 M/s IDEAMINES Management Consultants Pvt. Ltd. Noida	Dr. Pooja Devi
2.	Design and Development of Remote Voting Machine (RVM)	CLP 0033	14.10.2020	31.10.2021 (Stage Closed)	39.176 CEL, Sahibabad	Sh. Ashish Gaurav
3.	Optical Simulation of Skin model for Photoplethysmography Sensor Design	CNP 0018	16.03.2021	15.05.2021 (Completed)	2.38276 M/s Pareto Tree Pvt. Ltd., New Delhi	Dr. Sudeshna Bagchi
4.	Consultancy for the Development of Convective Blower Machine for Patient Warming System	CNP 0020	15.04.2021	14.08.2021 (Completed)	2.205 Bioaide Corporation, Chandigarh	Dr. Sanjeev Soni
5.	Green Tea bitterness masking evaluation	CNP 0021	10.05.2021	09.01.2022 (Completed)	7.2064 Tata Consumer Products Ltd., Bengaluru	Dr. Ritesh Kumar
6.	"Graphene Based Electrochemical Detection of Breast Cancer Biomarkers" DST inspire faculty program	GAP 0360	01.09.2016	31.08.2021 (Completed)	86.274 DST, New Delhi	Dr. Parveen Kumar(DST)
7.	Publication of Directory of Scientific Instruments and Components Manufactured in India	GAP 0364	01.04.2017	30.09.2021 (Completed)	46.000 DST, New Delhi	Sh Narinder Singh
8.	Design & Development of Visual Odometry System	GAP 0370	13.09.2017	15.07.2021 (Completed)	39.903 DRDO, ARDB, New Delhi	Dr. Shashi Poddar

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9.	Modelling of Human Intention during Gait Rehabilitation	GAP 0371	01.11.2017	30.04.2021 (Completed)	16.480 DST-CNRS, New Delhi	Dr. Neelesh Kumar
10.	Low Cost Implant Functionalization material for biomedical applications in Hospital	GAP 0373	01.12.2017	31.05.2021 (Completed)	32.377 DST, New Delhi	Ms. Manisha Sharma (DST PDF)
11.	Smartphone imaging aided point-of-care dipstick platform for heavy metals Sensing in Water	GAP 0375	01.01.2018	30.06.2021 (Completed)	26.036 DST, New Delhi	Ms. Pooja Devi
12.	Design and Development of Detection and Extinguishing Systems for Forest Fire using Sensor Networks, Aerial and ground Robots	GAP 0380	01.02.2018	02.07.2021 (Completed)	29.680 DST, New Delhi	Dr. Paramita Guha
13.	Development of 3D Printed Lattice Structured Hip Implant	GAP 0383	21.03.2018	20.06.2021 (Completed)	42.120 SERB, DST, New Delhi	Shri Vijay Kumar Meena
14.	All Dielectric and Hybrid Nanoantennas for Multifunctional Sensors	GAP 0386	05.05.2018	04.05.2021 (Completed)	32.09456 DST, New Delhi	Prof. RK Sinha
15.	Metal Organic Framework (MOF) based fluorescence –SPR dual mode sensing platform for explosive detection	GAP 0392	10.07.2018	09.01.2022 (Completed)	28.237 SERB, DST, New Delhi	Dr. Sudipta Sarkar Pal
16.	Hand-held FRET-APTACHIP: Monitoring of Pinnatoxins in food	GAP 0393	01.01.2018	28.06.2021 (Completed)	38.082 DBT, New Delhi	Dr. (Mrs) Suman Singh
17.	Motor Rehabilitation of Children with Cerebral Palsy using Virtual Intelligence under Biomedical Instrumentation Hub	GAP 0394	21.09.2018	20.09.2021 (Completed)	25.800 DST, New Delhi th' PGIMER, Chandigarh	Dr. Neelesh Kumar
18.	Molybdenum Disulphide Nanotemplates based Electrochemical Nanosensor for Food Toxins AFB1 and AFM1	GAP 0397	25.09.2018	24.09.2021 (Completed)	28.460 SERB, DST, New Delhi	Dr. Akash Deep

S. No.	Title of the Project	Project Number	Date of Start	Date of Completion	Total Commitment & Sponsor	Project Leader
19.	Development of SERS based biosensing platform for detection of mycotoxins	GAP 0399	31.10.2018	30.10.2021 (Completed)	25.900 SERB, DST, New Delhi	Ms. Aditi Chopra
20.	Design and Development of Schliren Imaging System for Visualization of Transient Events	GAP 0400	01.12.2018	30.11.2021 (Completed)	181.000 TBRL, Chandigarh	Dr. Raj Kumar
21.	Development of Chirped Fiber Bragg Grating Sensors	GAP 0401	01.01.2019	30.06.2021 (Completed)	74.998 TBRL, Chandigarh	Dr. Umesh Kumar Tiwari
22.	Investigation of Nanostructures SERS substrate for POPs detection in E-waste recycling site	GAP 0407	20.02.2019	19.02.2022 (Completed)	23.700 DST, New Delhi	Ms. Prachi Rajput
23.	Monitoring of blood oxygenation for diabetic foot ulceration detection by using diffuse reflectance spectroscopy	GAP 0414	30.05.2019	29.05.2021 (Completed)	25.00692 DST, New Delhi	Dr. Rajesh Kanawade
24.	Hand held advanced Moisture Meter for Made Tea	GAP 0418	01.10.2019	31.01.2022 (Completed)	28.7859 DST, New Delhi	Dr. VD Shivling
25.	Indigenous Apex Locator for Root Canal Treatment	GAP 0420	30.09.2019	29.09.2021 (Completed)	26.72352 DST, New Delhi	Dr. Ranjan Jha
26.	Dual Visible Light and Temperature Responsive Smart Hydrogels	GAP 0423	07.11.2019	06.02.2022 (Completed)	21.49 SERB, DST, New Delhi	Dr. Kamlesh Kumar
27.	Development of Hematic based Sustainable Floating Photocatalyst for Transformation of Atrazine and Bisphenol A	GAP 0424	18.11.2019	17.11.2021 (Completed)	22.10397 SERB, DST, New Delhi	Dr. Avishek Saha
28.	Optoacoustic Microscope on a fiber tip for endoscopic application	GAP 0425	31.10.2019	30.10.2021 (Completed)	14.280 DST, New Delhi	Dr. S.K. Mondal
29.	Monitoring of the Project "Design & Development of Ultrasonic Impact Test Unit for Enhancing the Fatigue of HSLA Steels" sanctioned to Dr. S. Shankar from	GAP 0430	01.04.2020	30.09.2021 (Completed)	0.800 DSIR, New Delhi	Sh Narinder Singh

S. No.	Title of the Project	Project Number	Date of Start	Date of Completion	Total Commitment & Sponsor	Project Leader
	Bengaluru					
30.	Optics Design & Simulation of Fiber Coupling of Laser Diode	GAP 0431	04.05.2020	03.11.2021 (Completed)	9.500 SSPL, DRDO, New Delhi	Dr. Neha Khatri
31.	A contactless Heart Rate (HR) Monitoring System	GAP 0438	16.02.2021	15.02.2022 (Completed)	1.25 DST & Renewable Energy, Chd Admn	Dr. Sanjeev Kumar
32.	ENCEESPRAY- An electrostatic Disinfection Machine comprising of electrostatic sprayer and electro-hypo generator – an ideal solution for surface disinfection against COVID-19	GAP 0441	09.04.2021	08.02.2022 (Completed)	22.000 USISTEF, DST, New Delhi through Rite Water Solutions, Nagpur, Maharashtra	Dr. Manoj Patel
33.	Validation and Demonstration of wild animals detection system deployed at Kansrao RTR to stake holders	GAP 0442	15.04.2021	31.03.2022 (Completed)	9.882 Wildlife Institute of India, Dehradun	Sh. Ripul Ghosh
34.	Online cleanliness monitoring system for public Utilities	GAP 0444	10.02.2021	09.02.2022 (Completed)	1.500 DST&RE, Chandigarh Administration	Sh. Baljit Singh

D. Technical Service Projects*

(Rs in lakhs)

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment & Sponsor	Project Leader
1.	e-Training Program on calibration and Testing of Microbiology Laboratory Equipment	TSP 0032	02.08.2021	13.08.2021 (Completed)	6.000 Biomedical Engg. Div, Dept. of Medical; Supplies, & Health Infrastructure, Min Health, Bhutan	Ms. Sudesh Yadav
2.	Motion Estimation: Traditional & Machine Learning	TSP 0034	27.01.2022	31.03.2022 (Completed)	1.500 SERB, DST, New Delhi	Dr. Shashi Poddar

* The projects of Strategic nature have been excluded from the list.