

List of the Projects sanctioned and received

Sr.No.	Name of the Funding Agency	Project Title
1	CSIR	<i>Host mediated silencing of cellulose synthase genes of phytopathora infestans for late blight resistance in Indian potato cultivars.</i>
2	CSIR	<i>Smart Irrigation and fertilization system for precision agriculture using internet of things and cloud infrastructure.</i>
3	SERB	<i>Modelling & simulation of three dimensional magnetohydrodynamic nanofluid flows over a stretching surface.</i>
4	SERB	<i>Synthesis and characterization of novel 2D metal carbides(Mxenes) for energy conversion and storage applications.</i>
5	CSIR	<i>Study of wave propagation phenomena in the context of size dependent elastic stories.</i>
6	SERB	<i>Understanding traffic dynamics via lattice hydrodynamic approach: modeling, analysis & simulation.</i>
7	CSIR	<i>Development of exchange coupled hard/ soft ferrite nanocomposites for tunable microwave application.</i>
8	DRDO	<i>Development of non-lead based magnetoelectric nanocomposites films with high magnetoelectric coupling.</i>
9	DBT	<i>Biocalcification process of photoauto trophic bacteria in concrete environment</i>
10	YFRF-DIC	<i>Young Faculty Research Fellowship award by Digital India Corporation under Visvesvaraya Phd programme of MeitY-SKS</i>
11	YFRF-DIC	<i>Young Faculty Research Fellowship award by Digital India Corporation under Visvesvaraya Phd programme of MeitY.SJ</i>
12	YFRF-DIC	<i>Young Faculty Research Fellowship award by Digital India Corporation under Visvesvaraya Phd programme of MeitY.</i>
13	DST-CERI	<i>Demonstration of grid supportive EV charger and charging infrastructure at LT level (D-EVCI)</i>

14	SERB	<i>Compression and representation of biological shape and signals using diffusion wavelet.</i>
15	DST-CERI	<i>Research and Development of smart, secure,scalable,resilient and adaptive cyber-physical power systemem(S3RA-CPPS)</i>
16	DST-CHORD DIV	<i>A strategic model for enhancing entre pre neurial skill development:An empirical study of technical business incubators in India.</i>
17	Industrial Project Kaizad Enggineer, Vadodara	<i>Ushta Infinity Construction Co.Pvt Ltd.</i>
18	CSIR	<i>Utilization of sea beach minerals for development of high performance aluminium matrix composites.</i>
19	DST BBSB	<i>Study and development of SEMG based exoskeleton knee"</i>
20	DHI-GOI	<i>Development of vehicle to grid enabled charging station networks and technologies.</i>
21	DRDO CARS	<i>Development of Graphene-polyppyrole based nanocomposites for electromagnetic shielding application of microwave devices in X-band</i>
22	DST-WOS	<i>Bioactive properties of glassos/ glass-ceramics synthesized from agricultural and food wastes.</i>
23	DST-FIST	<i>DST- FIST Program(50:50) basis (54Lakhs)</i>
24	SERB	<i>Fracture anaysis of CNT Reinforced composites using extended isogemetric analysis (XIGA) for structural</i>
25	SERB	<i>Transition metal catalyzed C-H functionalization for anticancer drug candidates.</i>
26	AERB	<i>Performance evaluation of generic compunds with effective functional group as corrosion inhibitors for RC structures.</i>
27	CSIR	<i>A Fluorometric bimodal nanosensor based on carbon DST-MnO2 Nanocomposites for detection and infra cellular imaging of glutathione.</i>

Sanctioned in the year 2018-19			
<i>Sanctioned Amount (In Lacs)</i>	<i>Deptt.</i>	<i>Principal Investigator</i>	
24.46	DBT	ANIL KUMAR	
20.96	CSED	SANMEET KAUR	
17.47	SOM	RAJ NANDKEOLYAR	
40.66	SPMS	O.P.PANDEY & KULVIR SINGH	
16.61	SOM	SATISH K SHARMA	
6.60	SOM	SAPNA SHARMA	
19.96	SPMS	PUNEET SHARMA	
35.32	SPMS	PUNEET SHARMA	
15.60	DBT	M.S.REDDY	
37.00	EIED	SUNIL KUMAR SINGLA	
37.00	CSED	PARTEEK KUMAR BHATIA	
37.00	SPMS	SOUMENDU JANA	
30.93	EIED	MUKESH SINGH	

6.60	SOM	KAVITA SINGLA	
28.40	CSED	NEERAJ KUMAR	
18.34	SOHSS	RAVI KIRAN/ S BOSS	
5.00	CIVIL	DANIE ROY AB	
17.46	SPMS	O.P.PANDEY	
415.37			
5.96	EIED	RAVINDER AGARWAL	
102.00	EIED	MUKESH SINGH	
8.95	SPMS	D.P.SINGH	
24.36	SPMS	SHIVANI PUNJ	
27.00	SOM	HEAD SOM(DEPTMNTL)	
20.23	MED	GANGAN BHARDWAJ	
49.56	SCBC	KAMALDEEP PAUL	
34.79	CIVIL	SHWETA GOYAL	
9.54	SCBC	SOUMEN BASU	

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Sr.No.	Name of the Funding Agency	Project Title
1	DRDO-ARDB	<i>Investigation of microwave absorbing behaviour of polypyrrole</i>
2	DST-SEED	<i>Development of a tool in aid for patients suffering from amyotrophic lateral sclerosis using the developed low-cost eye tracker.</i>
3	ICMR	<i>3D Brain MRI data processing using Deep Learning.</i>
4	CSIR	<i>Magnetic core supported heterogeneous catalysts for the glycerol carbonate sythesis.</i>
5	DAE-BRNS	<i>Effect of nuclear density approximation and shellclosure in the dynamics of heavy-ion induced reactions.</i>
6	DST-SEED-TIDE	<i>Development of CAMeye for visually challenged</i>
7	CSIR	<i>DFOG20: Design and Development of an efficient defogging framwork for road safety.</i>
8	SERB	<i>Iterative Algorithms and stability of functional equations in quasi-banach spaces.</i>
9	DST	<i>Transition metals doped strontium zirconate and strontium manganite perovskite for solid oxide fuel cell applications</i>
10	CSIR	<i>Hybrid control strategy involving daylight harvesting for lighting applications in smart buildings.</i>
11	INDSTL	<i>A smart wearable device for cognitive Assesment</i>
12	SERB	<i>Construction of a reduced model for investigating dispersion of pollutants by atmospheric wave turbulence in the atmospheric boundary layer.</i>
13	DST-FIST	<i>FIST PROJECT-SPMS- 50:50 BASE (3.67Crore)/ 2</i>
14	BIRAC	<i>Optimization of the myoglobin enzyme production and development of biocatalytic cyclopropanation process for the synthesis of pharmaceuticals precursors.</i>

ceived in the year 2019-20		
<i>Sanctioned Amount (In Lacs)</i>	<i>Deptt.</i>	<i>Principal Investigator</i>
9.12	SPMS	D.P.SINGH
10.38	CSED	AJAY KUMAR DR
10.77	EIED	JAINY SACHDEVA
14.36	SCBC	AMJAD ALI
19.78	SPMS	RAJ KUMAR- RKR
28.12	CSED	JHILIK BHATTACHARYA
15.36	CSED	SUNILK SINGLA/ VIJAY KUMAR
35.16	SOM	SUMIT CHANDOK
52.41	SPMS	KULVIR SINGH
20.55	EIED	MUKESH SINGH
3.50	EIED	PARAG NIJHAWAN
32.92	SOM	AMRIK SEN
367.00	SPMS	HEAD SPMS
22.00	SCBC	VIKAS TYAGI

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Sr.No.	Name of the Funding Agency	Project Title
1	AICTE	<i>Development of Nurse Assist Humanoid Robot for various tasks in a hospital.</i>
2	DST-FIST	<i>Automation and Robotics for 125Laksh on 50:50 basis.[62.5 lakh DST and 62.5 lakh TIET share]</i>
3	DST WOS-A	<i>Design and development of phonocardiography based psychological stress classifier.</i>
4	SERB	<i>Matrix Project CONSIDERED IN 2019-20</i>
5	SERB	<i>Probability that an automorphism of a finite group fixes an element of the group CONSIDERED IN 2019 20</i>
6	DST-FIST	<i>To strengthen the research facilities in the department on 50:50 basis.[46 lakh DST and 46 lakh TIET share]</i>
7	DBT	<i>COVID pandemic management based on real time detection of airborne viral load in hospitals"management based on real time</i>
8	DBT	<i>Lignocellulosic biomass utilization for lactic acid and bioethanol production.</i>
9	DAE-NBHM	<i>Some best approximation problems on abstract spaces.</i>
10	SERB	<i>Development of particle identification set-up for multi-nucleon transfer reactions</i>
11	DASSAULT SYSTEMES FOUNDATION	<i>DS FOUNDATION</i>
12	RCED	<i>W-AMS:Web based activity management</i>
13	INDSTL	<i>Intervention of Artificialdevices</i>

<i>ived in the year 2020-21</i>		
<i>Sanctioned Amount (In Lacs)</i>	<i>Deptt.</i>	<i>Principal Investigator</i>
9.57	MED	DR TARUN BERA
125.00	MED	HEAD MED
17.03	EIED	AMANDEEP CHEEMA Ms.
6.60	SOM	MEENAKSHI RANA
6.60	SOM	DEEPAK GUMBER
92.00	SEE	HEAD SEE
35.02	SOM	AMRIK SEN
25.37	DBT	DINESH GOYAL
16.15	SOM	SUMIT CHANDOK
29.16	SPMS	SUNIL DEVI DR.
15.75	MED	DEEPAK JAIN/ BIKRAM JIT
10.08	CSED	RINKLE RANI DR.
5.56	CED	TANUJ CHOPRA/ VINAY ARORA

For 2018-19 , 2019-20 & 2020-21

S.No.	Financial Year	Department	Amount received (Rs in lakhs)	Status (Ongoing/Completed)
2	2018-19	CED	43.43	Completed
3	2019-20	CED	57.28	Completed
4	2020-21	CED	80.54	Completed