Sponsored Research Projects list from April 2016 to September 2020

S.NO.	Name of PI	Deptt.	Month	Grant No.	Sponsor Agency	Sanction Letter no.	Title of Project	Total Outlay (Rs. in Lacs)	Project Status
1	**Prof. Ram Jiwari**	MTD	12.04.2016	SER-930-MTD	SERB	YSS/2015/000599/ dt. 03.02.2016	Numerical Analysis and Computational Modeling of Nonlinear Parabolic Mathematical Models with Singular and Variable Coefficients	18.06	3 Years
2	**Ms. Divya Raghavan, Post Doctorate**	MTD	28.09.2016	DST-981-MTD	DST	SR/WOS-A/PM-18/2016(G) dt. 29.8.2016	"Trajectory Controllability of nonlinear systems using Fractional Calculus" under Women Scientist Scheme A (WOS-A)	13.75	3 Years
3	**Prof. Sanjeev Kumar**	MTD	22.12.2016	ISR-1007-MTD	ISRO	No. B.19012/142/2016-Sec. 2 dated 23.11.2016	Optical Flow based prediction of visual from satellite image sequences	16.8	2 Years
4	**Ms. Sapna Pandit, Post Doctorate**	MTD	30.12.2016	SER-1009-MTD	SERB	No. PDF/2016/000726 dt. 5.12.2016	SERB-N-PDF	19.2	2 Years
5	**Prof. Ankik Kumar Giri**	MTD	02.02.2017	SER-1021-MTD	SERB	No.YSS/2015/001306 dt. 18.10.2016	Coagulation-Fragmentation models : Well-Posedness Numerical approximations and Asymptotic analysis	4.73	3 Years
6	**Prof. Rama Bhargava**	MTD	27.06.2017	DAE-1087-MTD	DAE	No. 2/48(27)/2016/NBHM(R. P.)/R&D 11/3832 Dated 17.03.2017	Hybrid Meshfree Approach for Simulation of Transport Phenomena in Nanofluids with Parallel Implementation	13.525	3 years
7	**Mr. Kamaljeet, Post Doctorate**	MTD	24.07.2017	SER-1101-MTD	SERB	No. PDF/2016/003875 Dated 04.07.2017 SERB, New Delhi	SERB-N-PDF	19.2	2 years
8	**Mr. Sandeep Singh, Post Doctorate**	MTD	28.07.2017	SER-1102-MTD	SERB	No. PDF/2016/001483 Dated 01.04.2017 SERB, New Delhi	SERB-N-PDF	19.2	2 years
9	**Prof. Ameeya Kumar Nayak**	MTD	21.09.2017	CSR-1129-MTD	CSIR	No. 25(0264)17/EMR-II dtd. 27.04.2017	Microfluidic Mixing of Newtonian/non-newtonian Fluids through charged channels	18.96	3 years
10	**Prof. Manil.T.Mohan**	MTD	25.09.2018	DST-1263-MTD	DST	DST/INSPIRE/04/2017/003018 Dtd. 13.02.18	INSPIRE Faculty Award	86.27	5 years
11	**Prof. Sandip Banerjee**	MTD	04.10.2018	SER-1270-MTD	SERB	EMR/2017/001884 Dtd. 06.09.18	Mathematically Modeling of Phytoplankton Dynamics with highly irregular distribution	18.4	3Years
12	**Ms. Neha Bhardwaj, Post Doctorate**	MTD	20.03.2019	SER-1326-MTD	SERB	No.TAR/2018/000356 dt.22.02.2019	Approximation of Degree of positive linear operators involving orthogonal polynomials	10.05	3 Years
13	**Prof. Chaman Kumar**	MTD	27.03.2019	SER-1329-MTD	SERB	No. MTR/2018/001194 dt.8.3.2019	Higher order approximation of stochastic differential equation	6.6	3 Years
14	**Mr. Kotapally Harish Kumar**	MTD	01.05.2019	SER-1363-MTD	SERB	No. PDF/2018/002668 dt.	SERB N-PDF	19.2	2 Years

15	**Prof. Ram Jiwari**	MTD	08.08.2019	CSR-1409-MTD	CSIR	No.25(0299)/19 EMR-II, d	Theoretical Analysis and Numerical Simulation of unsteady-state Singularly Perturbed parabolic models	16.06	3 Years
16	**Prof. Aditi Gangopadhyay**	MTD	13.08.2019	DST-1410-MTD	DST	DST/ICPS/Cluster/CS Research/2018 (General) 13.03.2019	Detection of Data Attaacks and Design of a Resistance Mechanism in smart Grids	2.39	3 Years
17	**Prof. A. K. Giri**	MTD	17.09.2019	DST-1420-MTD	DST	DST/INT/DAAD/P-18/201	analysis and numerical method for population balance equations	5.71	2 Years
18	**Prof. Ameya kumar Nayak**	MTD	21.01.2020	SER-1479-MTD	SERB	CRG/2019/000990 dt.01.0	Thermokinetic transport and microfluidic mixing of newtonian/non-newtonian fluids through patterned micro systems	21.25	3 years
19	**Prof. A.Swaminathan**	MTD	22.01.2020	SER-1480-MTD	SERB	CRG/2019/000200 dt.01.0	Spectral properties of perturbed Biorthogonal polynomials generated by rational functons and their analogue	26.37	3 years
20	**Prof. A.Swaminathan**	MTD	02.03.2020	SER-1505-MTD	SERB	MTR/2019/000029 dt.11.0	Zeros of R-11 type biorthogonal rational functions and corresponding numerical quadrature rules	6	3 years
21	**Prof. Ram Krishna Pandey**	MTD	05.03.2020	SER-1508-MTD	SERB	MTR/2019/000299 dt.05.0	Certain inverse problems associated with the sum of dilated sets of integers	6.6	3 years
22	**Prof. Pratibha**	MTD	15.07.2020	SER-1535-MTD	SERB	MSC/2020/000078 dt.30.	Identification of possible cure of COVID-19 through study of DNA structures through Iterated function systems	5.5	1 years
23	**Prof. Sandip Banerjee**	MTD	29.07.2020	YUC-1542-MTD	York university Canada	York university reference -	Evaluation of intervention strategies in response to the COVID -19 outbreaks	$29,000/- (Canadian Dollar) Transferred in IIT Roorkee Rs. 15,32,380.30	2 years