

Project (2012 - 2013)							
Sl. No.	Financial Year	Dept.	Name of Principal Investigator	Title of the Project	Funding Agency	Duration	Year of Sanction
1	2012-2013	SMSE	N.R. Bandyopadhyay	Monte Carlo Simulation of Abnormal Grain Growth in Silicon Steel	Tata Steel Ltd.	1 Year	2012
2	2012-2013	IT	Arindam Biswas	Generation, decomposition, and analysis of the Isothetic polygons in digital geometric paradigm	UGC	3 Years	2012
3	2012-2013	Metallurgy	Debdulal Das	A Comparative Assessment of Fatigue Performance and Damage Mechanisms of Directly Air-Cooled and TMT Steel Rebars	Tata Steel Ltd.	1 Year	2012
4	2012-2013	Electrical	Debabrata Roy	Analysis and Development of a single axis controlled Repulsive-type Magnetic Bearing	DST-SERB	3 Years	2012
5	2012-2013	Mechanical	Sujoy Kumar Saha	Heat transfer and pressure drop characteristics of turbulent flow of air, water and servotherm medium oil through a circular duct fitted with helical ribs and twisted tapes with oblique teeth	UGC	3 Years	2012
6	2012-2013	Civil	Sudip Kumar Roy	Development of Indian Highway Capacity Manual (INDO-HCM)	CSIR-CRRI	5 Years	2012
7	2012-2013	Metallurgy	Swarup Kumar Ghosh	Phase transformation during laser surface hardening of low carbon steel	Tata Steel Ltd.	1 Year	2012
8	2012-2013	AE&AM	Rana Roy	Response of multistory structures with setback under bi-directional ground motions	UGC	3 Years	2012
9	2012-2013	SOCSAT	N.R. Bandyopadhyay	Development of Technology to make Low Cost Nutritionally Effective Ready to eat "Protein Rich Human Food from Oilseed or De-Oiled Edible seed Cakes (See Meals)	Ministry of Consumer Affairs, Dept. of Food and Public Distribution, Govt. of India	3 Years	2012
10	2012-2013	Chemistry	Sabyasachi Sarkar	Development of Model Synthetic Leaf to Harvest Light	Ramanna Fellowship, DST, GOI	3 Years	2012
11	2012-2013	Civil	Anirban Gupta	Rapid Assessment of domestic fluoride removal filters in endemic areas	United Nations Children's Fund	3 Months	2012
12	2012-2013	AE&AM	Amit Roy Chowdhury	Computer aided design, analysis & Development of patient specific dental implant on Indian	UGC	3 Years	2012
13	2012-2013	Chemistry	Jhuma Ganguly	Structural elucidation and characterization of native polysaccharides and oligosaccharides in cultivable and edible mushroom along with synthesis of isolated oligosaccharides: Application as low cost immune-enhancer	UGC	3 Years	2012
14	2012-2013	ETC	Partha Bhattacharyya	AICTE Career Award for Young Teachers	AICTE (Award)	2 Years	2012
15	2012-2013	Mining	Sudipta Mukhopadhyay	Development of suitable slime waste management systems for sustainable iron mining in India	UCG - Major	3 Years	2012

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16	2012-2013	Mining	Pratik Dutta	Effect of supercritical carbon dioxide on pore structure sorption properties and permeability of coals	DST, GOI	3 Years	2012
17	2012-2013	Metallurgy	Debdulal Das	Evaluation of fatigue behaviour of low (0.2 wt.%C medium (5-10wt.%)Mn steels	The Institution of Engineers (India)	1 Year	2012
18	2012-2013	Chemistry	Jayati Datta	Search for Platinum-free Catalysts for Direct Alcohol Fuel Cells	CSIR	3 Years	2012
19	2012-2013	Metallurgy	Manojit Ghosh	Influence of silver and tin on microstructure and texture in Al-Zn-Mg alloy	UGC - Major	3 Years	2012
20	2012-2013	Metallurgy	Sukumar Kundu	Indo-US Research Fellowship	Indo-US Science & Technology Forum (IUSSTF)	1 Year	2012
21	2012-2013	Metallurgy	Partha Pratim Chattopadhyay	Enhancement of non-equilibrium solubility of binary immiscible systems by ternary addition	The Institution of Engineers (India)	1 Year	2012
22	2012-2013	Electrical	Anindita Sengupta	Design & Development of Computerized Instrument for Testing Bending Behaviour of Semi-rigid Fabrics with Special Reference to Technical Textiles	DST, GOI	3 Years	2012
23	2012-2013	Civil	Arun Kumar Chakraborty	Detailed Study on Performance of M25 Concrete Mixes made with ACC Cements vis-à-vis some other Cement Brands	ACC Limited	15 Months	2012
24	2012-2013	IT	Sukanta Das	Development of automata model for distributed systems	SERB, DST, GOI	3 Years	2012
25	2012-2013	ETC	Susanta Kumar Parui	Development of Microstrip Phased Array Antenna System for Eliminating ScanBlindness by using Defected Ground Structures	CSIR (ERD)	3 Years	2012
26	2012-2013	Mathematics	Ujjal Debnath	Dark Energy Models and Accelerating Universe	CSIR	3 Years	2012
27	2012-2013	Physics	Dipali Banerjee	Synthesis and characterization of low dimensional structures of bismuth telluride for application of thermoelectric devices	SERB, DST, GOI	3 Years	2012
28	2012-2013	Civil	Sudip Kumar Roy	Assessment of Internodal Accessibility and Best Alternative Path between any two Designated Stations	The Institution of Engineers (India)	1 Year	2012
29	2012-2013	Civil	Aparna (Dey) Ghosh	Passive control of seismically excited short period structures by the compliant liquid column damper	SERB, DST, GOI	3 Years	2012
30	2012-2013	IT	Arindam Biswas	3D TV-3D View from All Directions without Glasses	CSIR	3 Years	2012
31	2012-2013	Mining	Netai Chandra Dey	Ergonomic analysis of job heaviness and development of musculoskeletal disorders for selective underground coal miners in India	SERB, DST, GOI	3 Years	2012

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32	2012-2013	Civil	Arun Kumar Chakraborty	Cafeteria - A Sustainable Steel Intensive Demonstrative Building at Bengal Engineering and Science University, Shibpur	Tata Steel Ltd.	3 Years	2012
33	2012-2013	Electrical	Mainak Sengupta	Design, development and testing of 3-phase Permanent Magnet Machines and their converters	National Mission on Power Electronics Technology Phase - II	3 Years	2012
34	2012-2013	Physics	Sampad Mukherjee	Fabrication and Characterization of Optical nano and micro fibers	BRNS/DAE, Govt. of India	3 Years	2012
35	2012-2013	Civil	Kalyan Kumar Bhar	Assessment of effects of arsenic pollution on health in rural Bengal and development and implementation of sustainable technology solution	UKIERI through British Council	2 Years	2012
36	2012-2013	ETC	Chirasree Roychaudhuri	Efficacy of Silicon Microchannel cytosensor Platform for Electrical Profiling of Multiple Mammalian Cells Under Intervention Towards Diagnostic and Regenerative Applications	SERB, DST, GOI	3 Years	2012
37	2012-2013	ETC	Partha Bhattacharyya	A Novel Metal-Insulator-Metal (MIM) device for detection of early spoilage of Potato during Storage	SERB, DST, GOI	2 Years	2012
38	2012-2013	AE&AM	Koustuv Debnath	Turbulence in rough bed free surface flow using double averaged Navier Stokes Equations	SERB, DST, GOI	3 Years	2012
39	2012-2013	Civil	Chaitali Ray	Static and dynamic failure analysis of cost effective hybrid laminated stiffened plates in marine structures	Ministry of Shipping, Govt. of India	3 Years	2011
40	2012-2013	CST	Abhik Mukherjee	Guidance Control and Target Tracking Strategies for Precision Guidance Missiles	RCI-DRDO, Hyderabad	18 Months	2012