

**List of Engineering Sciences Projects Sanctioned during the  
year 2007-08**

**Duration : 3 years**

<b>Sl. No.</b>	<b>File No.</b>	<b>Title</b>	<b>PI &amp; Address</b>	<b>Sanc. Amt</b>
1.	SR/S3/EECE /50/2006  09.04.2007	Resource Allocation for Multi-Terminal Wireless Communication System	Dr. Rajesh Sundaresan Deptt. Of Electrical Engg. Indian Institute of Science Bangalore-560012	1710517
2.	SR/S3/EECE /50/2006  09.04.2007	Resource Allocation for Multi-Terminal Wireless Communication System	Dr. Srikrishna Bhashyam Indian Institute of Technology-Madras Chennai-600036	1962836
3.	SR/S3/CE/68 /2006  09.04.2007	Polymer composites for Photocatalysis	Dr. Madras Giridhar Deptt. Of Chemical Engg. Indian Institute of Science Bangalore-560012	2390400
4.	SR/S3/EECE /78/2006  09.04.2007	Novel Oxidation Techniques for Improvement in the Electrical Properties of Ultra-thin SiO <sub>2</sub> for VLSI Technology	Dr. Nandita Dasgupta Deptt. Of Electrical Engg. Indian Institute of Technology-Madras Chennai-600036	7360570
5.	SR/S3/EECE /63/2006  09.04.2007	Slicing Concurrent and Distributed Object- Oriented Programs	Dr. D.P. Mohapatra Deptt. Of Computer Science & Engg. National Institute of Technology Rourkela-769008	1106790
6.	SR/S3/ME/1 3/2005- SERC Engg  09.04.2007	Development of thermosetting polymer/clay nanocomposites	Dr. Niranjana Karak Deptt. Of Chemical Sciences Tezpur University Tezpur-784028	2064820
7.	SR/S3/MER C/93/2006  11.04.2007	Electro Kinetic Removal of Toxic Contaminants from Soils Using Reactive Nano-Particle	Dr. R.P. Tiwari Deptt. Of Civil Engg. Motilal Nehru National Instt. Of Technology Allahabad-211004	2325600
8.	SR/S3/MER C/17/2007  12.04.2007	Prediction of Residual Fatigue Life/Strength of Reinforced concrete Members	Dr. J.M. Chandra Kishen Deptt. Of Civil Engg. Indian Institute of Science Bangalore-560012	1759740
9.	SR/S3/EECE /75/2006  16.04.2007	Parkinson Disease: Development of computational Model Based on Handwriting and Speech for	Dr. V. Srinivasa Chakravarthy Deptt. Of Biotechnology Indian Institute of Technology-Madras	1108073

		Prediction and Treatment	Chennai-600036	
10.	SR/S3/EECE /75/2006 16.04.2007	Parkinson Disease: Development of computational Model Based on Handwriting and Speech for Prediction and Treatment	Dr. Nandini Singh National Brain Research Centre Gurgaon-122050	1072853
11.	SR/S3/EECE /62/2006 16.04.2007	Design of High Performance Algorithms based on Geometric Representations of Graphs	Dr. L. Sunil Chandran Deptt. Of Computer Science & Automation Indian Institute of Science Bangalore-560012	1519260
12.	SR/S3/EECE /57/2006 16.04.2007	Development of Traditional tongue based Diagnostic Software through Grabbling and Processing of Tongue Images for Storage, Retrieval and Rule Generation for Prognosis of Disease Conditions	Dr. Prabir Kumar Biswas Deptt. Of Electronics & Communications Engg. Indian Institute of Technology-Kharagpur Kharagpur-721302	601920
13.	SR/S3/EECE /57/2006 16.04.2007	Development of Traditional tongue based Diagnostic Software through Grabbling and Processing of Tongue Images for Storage, Retrieval and Rule Generation for Prognosis of Disease Conditions	Dr. Debasis Bakshi Deptt. Of Acupuncture-Moxibustion & Integrated Medicine Indian Research Institute for Integrated Medicine (IRIIM) Howrah-711302	645960
14.	SR/S3/CE/09 /2007 16.04.2007	Development of New Affinity based Cell Separation Technology Using Cryogels	Dr. Ashok Kumar Deptt. Of Biological Sciences & Bioengineering Indian Institute of Technology-Kanpur Kanpur-208016	2400000
15.	SR/S3/EECE /80/2006 16.04.2007	Architectural Techniques for Process Variation Aware Designs	Dr. Madhu Mulayam International Institute of Information Technology Hyderabad-500032	2072208
16.	SR/S3/EECE /81/2006	Measurement Circuit and Miniaturisation of	Dr. Enakshi Bhattacharya Deptt. Of Electrical Engg.	2980236

	16.04.2007	Silicon based Biosensors	Indian Institute of Technology-Madras Chennai-600036	
17.	SR/S3/MER C/83/2006 18.04.2007	Corrosion Monitoring of Girders using Wave Propagation Techniques and Smart Materials	Dr. Abhijit Mukherjee Deptt. Of Civil Engg. Thapar Institute of Technology Patiala-147004	2298000
18.	SR/S3/MER C/98/2006 18.04.2007	Development of Needlepunched Nonwoven Fabric products from Banana Fibre	Dr. Nilesh Timble Man Made Fibre Technology DKTE's Textile & Engineering Institute Kolhapur-416115	1420800
19.	SR/S3/ME/2 2/2006 19.04.2007	Studies on the synthesis and phase transformation of FE Pt nanoparticles for data storage applications	Dr. Theertham Balaji Centre for Materials for Electronics Technology Hyderabad-500051	2440000
20.	SR/S3/ME/3 7/2005 19.04.2007	Studies on moulding compounds and compression moulding techniques for Fiber Reinforced Plastic (FRP) Fasteners	Dr. Bhaskara J.C. Babu Birla Institute of Technology & Science Zuarinagar-403726	2108897
21.	SR/S3/MER C/16/2007 20.04.2007	Prediction of Shrinkage and Spirality of cotton knitted fabrics and its control with special emphasis for small scale manufactures	Dr. Gursharan Singh Deptt. Of Textile Engg. GZS College of Engineering & Technology Bhatinda-	3266000
22.	SR/S3/MER C/RF-02/2006 30.04.2007	Ramanna Fellowship	Dr. R. Saravanan Institute of Energy Studies Anna University Chennai-600025	3480000
23.	SR/S3/MER C-50/2005 09.05.2007	Effect of low frequency vibration of human comfort	Dr. V. Huzur Saran Deptt. Of Mechanical & Industrial Engg. Indian Institute of Technology-Roorkee Roorkee-247667	4393000
24.	SR/S3/ME/0 18/2006- SERC-Engg. 18.05.2007	Development of friction pads for brake disc employed in modern heavy duty automobiles/commercial and fighter aircrafts	Dr. P.S. Mishra Deptt. Of Metallurgical & Materials Engg. Indian Institute of Technology-Roorkee Roorkee-247667	1938358

25.	SR/S3/ME/040/2006-SERC Engg  18.05.2007	Development of Iron-based Multicomponent & Nanodispersed Bulk Metallic Glasses through Mechanical Alloying for Industrial Applications	Dr. S. Kumaran Deptt. Of Metallurgical & Materials Engg. National Institute of Technology Tiruchirapalli-620015	2462450
26.	SR/S3/MERC/25/2007  24.05.2007	Response and Micromechanics Based Designs of Engineered Cementitious composite Structures	Dr. Shamsher Bahadur Singh Deptt. Of Civil Engg. Birla Institute of Technology & Science Pilani-333031	1513680
27.	SR/S3/MERC/19/2007  24.05.2007	Analysis of Asymmetrical Manual Lifting Tasks to determine maximum recommended weight limited by Indian male workers	Dr. Ajay Batish Deptt. Of Mechanical Engg. Thapar Institute of Technology Patiala-147004	2214680
28.	SR/S3/MERC-0007/2007  04.06.2007	Experimentation for improvement in surface properties of die and tool steels by EDM Process	Dr. T.P. Singh BBSB Engineering College Fatehgarh Saheb-140407	2305200
29.	SR/S3/ME/60/2006-SERC Engg.  07.06.2007	Study of Particle dynamics & Development of Control Strategy for Improved Performance in Teeter Bed Separator	Dr. Avimanya Das Mineral Processing Div. National Metallurgical Laboratory Jamshedpur-831007	1787765
30.	SR/S3/ME/046/2006  20.06.2007	Multi Scale modeling to study the role of atomic scale defects in CNT based nanocomposites	Dr. Baidurya Bhattacharya Deptt. Of Civil Engg. Indian Institute of Technology-Kharagpur Kharagpur-721302	2041750
31.	SR/S3/EECE/011/2007  20.06.2007	Algorithms for Performance Optimization in Wireless Networks	Dr. Shalabh Bhatnagar Deptt. Of Computer Science & Automation Indian Institute of Science Bangalore-560012	1475232
32.	SR/S3/EECE/061/2006  26.06.2007	Machine Learning Algorithms for Scientific Data Mining Engineering Sciences	Dr. S.K. Shevade Deptt. Of Computer Science & Automation Indian Institute of Science Bangalore-560012	2025168
33.	SR/S3/MERC-81/2006	Implementation of collaborative product development system	Dr. D. Ranga Raju Deptt. Of Mechanical Engg.	1305000

	28.06.2007	using STEP/XML	SRKR Engineering College Bhimavaram-534204	
34.	SR/S3/MER C-76/2006  10.07.2007	Experimental and Numerical Study of Nd: YAG Laser Beam Cutting of Advanced Engg. Materials	Dr. Vinod Yadava Deptt. Of Mechanical Engg. MN National Institute of Technology Allahabad-211004	2402000
35.	SR/S3/ME/0 26/2006- SERC Engg  11.07.2007	Development of New generation Cathode Materials for Intermediate Temperature SOFCs	Dr. Swadesh Kumar Patihar Deptt. Of Ceramic Engg. National Institute of Technology Rourkela-769008	1823664
36.	SR/S3/EECE /024/2007  11.07.2007	Multiple output switched mode power supply with improved power quality	Dr. G. Bhuvaneshwari Deptt. Of Electrical Engg. Indian Institute of Technology-Delhi New Delhi-110016	2408381
37.	SR/S3/ME/0 41/2006- SERC Engg  16.07.2007	Investigations on the thermo-chemistry of the interaction of chromite spinels and silica under different conditions	Dr. S.N. Sinha Deptt. Of Metallurgical & Materials Engg. National Institute of Technology Jamshedpur-831014	1505449
38.	SR/S3/EECE /059/2006  17.07.2007	Designing Robust & Self Organized Publish Subscribe System Over peer to peer (p2p) Networks	Dr. Niloy Ganguly Deptt. Of Computer Science & Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302	2042000
39.	SR/S3/ME/0 17/2007- SERC Engg  17.07.2007	Synthesis and Characterization of Cellulose Esters for Radiation - Curable Coating Applications	Dr. B. Tosh Deptt. Of Chemistry Orissa Engg. College Bhubaneswar-751007	2389633
40.	SR/S3/ME/0 49/2006- SERC Engg  17.07.2007	Dispersion of nano-particle colloidal suspensions for shaping processes	Dr. Bimal P. Singh Colloids & Materials Chemistry Group Regional Research Laboratory Bhubaneswar-751003	2012936
41.	SR/S3/ME/0 20/2007  18.07.2007	Nanoparticles for Micro Total analysis system (H-TAS) Lab on chip for Dopamine Detection	Dr. G.S. Viridi Central Electronics Engg. Research Institute (CEERI) Pilani-	789000
42.	SR/S3/ME/0 51/2007	Aqueous Nitriding of Steels by Electrolyte	Prof. Rajiv Shekhar Deptt. Of Materials &	1827200

	19.07.2007	Plasma: Kinetics, Design and Scale up	Metallurgical Engg. Indian Institute of Technology-Kanpur Kanpur-208016	
43.	SR/S3/MER C/47/2006  19.07.2007	Vibration and Noises Monitoring of Ball Bearings with Local Defects	Dr. N. Tandon Industrial Tribology Machine Dynamics and Maintenance Engineering Centre (ITMMEC) Indian Institute of Technology-Delhi New Delhi-110016	2519400
44.	SR/S3/ME/0 28/2006- SERC Engg.  24.07.2007	Recovery of Ruthenium using hollow fiber nondispersive extraction method	Dr.(Mrs.) Kadambini Sarangi Institute of Minerals & Materials Technology Regional Research Laboratory Bhubaneswar-751003	1371000
45.	SR/S3/ME/0 24/2006  24.07.2007	Development and analysis of supertough polyamide-6/singlewall carbon nanotube nanocomposites	Prof. S.N. Maiti Centre for Polymer Science & Engineering Indian Institute of Technology-Delhi New Delhi-110016	2165400
46.	SR/S3/ME/0 48/2006  27.07.2007	Simulation of the Growth of heteroepitaxial semiconductor thin films using Finite Element Methods	Dr. Anandh Suibramaniam Deptt. Of Applied Mathematics Indian Institute of Technology-Delhi New Delhi-110016	1961581
47.	SR/S3/MER C/21/2007  27.07.2007	Experimentation and CFD Analysis of a 10k W circulating fluidized bed Biomass Gasifier	Dr. R. Sundersen School of Mechanical & Building Sciences Vellore Institute of Technology Vellore-632014	2198354
48.	SR/S3/EECE /066/2006  31.07.2007	Fault Tolerance with Check Point & Recovery Protocols in Cluster based Distributed System	Dr. Paul Himadri Sekhar Deptt. Of Computer Science & Engg. Indian Institute of Technology-Gauhati Guwahati-781039	2262640
49.	SR/S3/EECE /46/2007  01.08.2007	Assessment of Electric Power Quality in Distribution Network	Dr. Bijaya Kotan Panigrahi Deptt. Of Electrical Engg. Indian Institute of Technology-Delhi New Delhi-110016	2737558

50.	SR/S3/MER C/46/2007  24.08.2007	Evaluation of Coal ash as a Potential Liner for Waste Containment System	Prof. B.V.S. Vishwanadham Deptt. Of Civil Engg. Indian Institute of Technology-Bombay Mumbai-400076	3017200
51.	SR/S3/ME/0 27/2006  24.08.2007	Development of copper chromite catalyst as a substitute to noble metals for purification of vehicular exhaust	Dr. Ram Prasad Deptt. Of Chemical Engg. & Technology Banaras Hindu University Varanasi-221005	2499350
52.	SR/S3/MER C/45/2007  27.08.2007	Use of Industrial Wastes as Filler in Bituminous Construction	Prof. Satish Chandra Deptt. Of Civil Engg. Indian Institute of Technology-Roorkee Roorkee-247667	1122600
53.	SR/S3/ME/0 47/2006  27.08.2007	Processing of nickel- cadmium spent battery	Dr. Archana Agarwal National Metallurgical Laboratory Jamshedpur-831007	2088300
54.	SR/S3/CE/02 2/2007  12.09.2007	A systems Biology Approach in understanding the Mobility of Microorganisms in Controlled Nutritional Stimuli in Microfluidic Device	Prof. Mahesh S. Tirumkudulu Deptt. Of Chemical Engineering Indian Institute of Technology-Bombay Mumbai-400076	3702875
55.	SR/S3/EECE /49/2007  12.09.2007	Design and Development of digital Controllers for DC-DC Conversion Systems supplied from Non- linear Energy Sources	Dr. M. Veerachary Deptt. Of Electrical Engg. Indian Institute of Technology-Delhi New Delhi-110016	3797670
56.	SR/S3/MER C-0011/2007  12.09.2007	Investigation of nonlinearities in thermoacoustic systems	Dr. R.I. Sujith Deptt. Of Aerospace Engineering Indian Institute of Technology-Madras Chennai-600036	2695200
57.	SR/S3/MER C-0026/2007  25.09.2007	Prediction of Machine Setting parameters and roller configuration for continuous bending of conical shells on 3- roller bending machine	Prof. H.K. Raval Deptt. Of Mechanical Engg. SV National Institute of Technology Surat-395007	2796480
58.	SR/S3/MER C/24/2007	High temperature tribological characterization of Non-	Prof. Mohd. Farooq Wani Deptt. Of Mechanical Engg.	1711200

	26.09.2007	Oxide ceramics and composites	National Institute of Technology Srinagar-190006	
59.	SR/S3/MER C/22/2007  15.10.2007	Towards understanding the Standard Bonding Test and Development of Model for Bond Strength of Lap Splices in Reinforced Concrete	Dr. G. Appa Rao Deptt. Of Civil Engg. Indian Institute of Technology-Madras Chennai-600036	1159200
60.	SR/S3/MER C/53/2007  17.10.2007	Strength and Deformation Characteristics of Over-reinforced Self Compacting Concrete Beams	Dr. Bhupinder Singh Deptt. Of Civil Engg. Indian Institute of Technology-Roorkee Roorkee-247667	3919000
61.	SR/S3/RF- ME/01/2007  18.10.2007	Mineral Biotechnology for Mineral Beneficiation Metal Extraction and Mining Environmental-Ramanna Fellowship	Prof. K.A. Natarajan Indian Institute of Science Bangalore-560012	4020000
62.	SR/S3/MER C-0008/2007  23.10.2007	Linear motor compressor driven twin pulse tube refrigerator system	Dr. R. Karunanithi Centre for Cryogenic Technology Indian Institute of Science Bangalore-560012	1776000
63.	SR/S3/MER C-0031/2007  29.10.2007	Development of impact echo array systems for concrete structure non-destructive inspection	Prof. Krishnan Balasubramanian Deptt. Of Mechanical Engg. Indian Institute of Technology-Madras Chennai-600036	1845600
64.	SR/S3/MER C-032/2007  26.10.2007	Fault identification and condition monitoring of rotating machinery using laser based measurements	Prof. A.S. Sekhar Deptt. Of MEchanical Engg., Machine Design Section Indian Institute of Technology-Madras Chennai-600036	3778900
65.	SR/S3/MER C-092/2006  01.11.2007	Design development and fabrication of a CVD set up for diamond coatings on cemented carbide cutting tool inserts for machining non-ferrous materials	Dr. S.K. Sarangi Deptt. Of Mechanical Engineering University College of Engineering Sambalpur-768018	1836000
66.	SR/S3/ME/0 13/2007	Prediction of the stability footing	Dr. Dheeraj Kumar Deptt. Of Mining	2287776

	05.11.2007	foundation on weak floor jointed and layered rock mass using multi model finite element analysis and artificial neural network technique	Engineering Indian School of Mines University Dhanbad-826004	
67.	SR/S3/MER C/61/2007  07.11.2007	Microbes for remediation of defects in building materials	Dr. M. Sudhakara Reddy Deptt. Of Biotechnology & Environmental Sciences Thapar Institute of Technology Patiala-147004	3477800
68.	SR/S3/ME/0 38/2006  07.11.2007	Gas sorption and diffusion properties of Indian coal	Dr. Pratik Dutta Deptt. Of Mining Engineering Bengal Engineering & Science University Howrah-711103	3094787
69.	SR/S3/ME/0 28/2007  08.11.2007	Friction Stir Welding of Dissimilar Aluminium alloys and 304 Stainless Steel to Aluminium Alloys for Aerospace and Automobile Application	Dr. Ajoy Kumar Ray Deptt. Of Materials Science & Technology National Metallurgical Laboratory Jamshedpur-831007	2239900
70.	SR/S3/ME/0 06/2007  07.12.2007	Fabrication of Mg-TiC Composite by self propagating high temperature synthesis (SHS) process	Dr. A.K. Chaubey Deptt. Of Advanced Material Technology Regional Research Laboratory Bhubaneswar-751003	2264084
71.	SR/S3/EECE /042/2007  05.12.2007	Modeling, Simulation and Characterization of Quantum Different Gate Geometric Double Gate High Electron Mobility Transistor for High Power & High Frequency Applications with Two Separate/Common Gate Control	Dr. Mridula Gupta Deptt. Of Electronic Science Delhi University New Delhi-110021	2781600
72.	SR/S3/MER C-037/2007  27.12.2007	Incremental sheet metal forming at multi-scales	Dr. NV Reddy Deptt. Of Mechanical Engg. Indian Institute of Technology-Kanpur Kanpur-208016	3872800

73.	SR/S3/MER C-076/2007  27.12.2007	Product and process design for shape heading of splines and solid spur gear by 3-D modeling and experiments of combined extrusion/forging: A progressive near-net shape process	Dr. S.K Sahoo Deptt. Of Mechanical Engg. National Institute of Technology Rourkela-769008	3212000
74.	SR/S3/CE/46 /2007  31.12.2007	Studies in Selective Oxidation of Propane to Acrylic Acid using Mixed Oxide Catalysts	Dr. V.H. Rane Chemical Engineering Div. National Chemical Laboratory Pune-411008	1051800
75.	SR/S3/MER C-047/2007  31.12.2007	Flexible supply chain networks: conceptualization, analysis & case study	Dr. Rahul Caprihan Deptt. Of Mechanical Engineering Dayalbagh Educational Institute Agra-282005	1291200
76.	SR/S3/CE/50 /2007  31.12.2007	Development of Novel Photocatalysts for Degradation of Microorganisms	Dr. Jayant Modak Deptt. Of Chemical Engineering Indian Institute of Science Bangalore-560012	3149000
77.	SR/S3/EECE /048/2007  03.01.2008	Multiscale Methods for Scientific Visualization	Dr. Vijay Natarajan Deptt. Of Computer Science & Automation Indian Institute of Science Bangalore-560012	2330744
78.	SR/S3/ME/0 19/2004  07.01.2008	Extrusion Studies on Metal Matrix Composites	Dr. C.S Ramesh Deptt. Of Mechanical Engineering PES Institute of Technology Bangalore-560085	3290125
79.	SR/S3/CE/36 /2007  16.01.2008	Development on Polymeric Hydrogel for Electrochemical Sensing of Gaseous Species	Dr. Priyabrata Sarkar Deptt. Of Polymer Science & Technology Calcutta University Kolkata-700009	3307843
80.	SR/S3/ME/0 37/2006  21.01.2008	Development of Model for Determination of Optimum cut-off Grade for Surface Mining of Metalliferous ore Deposits	Dr. Phaguli Sen Deptt. Of Mining Engineering Indian School of Mines University Dhanbad-826004	1246184

81.	SR/S3/CE/52 /2007  22.01.2008	Elucidation of the Role of Primary Structure of Proteins on their Antimicrobial Activity	Dr. Susan Thomas Deptt. Of Biomedical Informatics Centre National Institute for Research in Reproductive Health Mumbai-400012	1906800
82.	SR/S3/CE/52 /2007  22.01.2008	Elucidation of the Role of Primary Structure of Proteins on their Antimicrobial Activity	Dr. V.K. Jayaraman Deptt. Of Chemical Engineering National Chemical Laboratory Pune-411001	592800
83.	SR/S3/CE/00 1/2008  24.01.2008	Development of solid oxide fuel cell anodes using pore formers - investigation of the effect of porosity, pore shape and size and tortuosity on cell performance	Dr. Venkatesan V. Krishnan Deptt. Of Chemical Engineering Indian Institute of Technology-Delhi New Delhi-110016	1889155
84.	SR/S3/EECE /082/2007  24.01.2008	Development of spatiotemporal Access Control Models	Dr. Shamik Sural School of Information Technology Indian Institute of Technology-Kharagpur Kharagpur-721302	1618080
85.	SR/S3/MER C/62/2007  31.01.2008	Active Vibration control of a rotor-shaft system	Dr. Jayanta Kumar Dutt Deptt. Of Mechanical Engineering Indian Institute of Technology-Delhi New Delhi-110016	3000000
86.	SR/S3/EECE /053/2007  01.02.2008	Effect of Fading Correlation on the performance of Equal Gain Combining diversity Receiver in Hoyt Fading Channels	Dr. Pravas Ranjan Sahu Deptt. Of Electronics and Communication Engineering Indian Institute of Technology-Gauhati Guwahati-781039	1080313
87.	SR/S3/EECE /072/2007  01.02.2008	Investigation of the microstrip feed to the Dielectric Resonator Antenna	Dr. Bratin Ghosh Deptt. Of Electronics and Electrical Communications Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302	1577604
88.	SR/S3/CE/04 9/2007	General Strategies for Nanoparticles of	Dr. Rajdip Bandopadhyaya Deptt. Of Chemical	3894551

	05.02.2008	Controlled Size, Shape and composition: Magnetite as a Case Study for MRI Applications	Engineering Indian Institute of Technology-Bombay Mumbai-400076	
89.	SR/S3/ME/001/2007  05.02.2008	Optimization of process parameters for the production of nano materials by wire explosion	Dr. R. Sarthi Deptt. Of Electrical Engg. Indian Institute of Technology-Madras Chennai-600036	2525820
90.	SR/S3/MERC/057/2007  08.02.2008	Design and Development of an exoskeleton robot for human hand support and rehabilitation	Dr. Ashish Dutta Deptt. Of Mechanical Engineering Indian Institute of Technology-Kanpur Kanpur-208016	2313600
91.	SR/S3/MERC/63/2007  12.02.2008	Effect of Superplasticizers on Mechanical and Durability properties of High Volume Fly Ash Concrete	Dr. SK Sekar Div. of Civil Engineering, School of Mechanical and Building Sciences Vellore Institute of Technology Vellore-632014	1075680
92.	SR/S3/EECE/050/2007  12.02.2008	Load Compensation and Voltage Regulation using DSTATOM under Non-Stiff Voltage Source	Dr. Mahesh Kumar Deptt. Of Electrical Engg. Indian Institute of Technology-Madras Chennai-600036	2735028
93.	SR/S3/ME/008/2007  13.02.2008	Development of Mg-based cheocast alloys and stir cast composites for application in engineering industries	Dr. Palash Poddar Metal Extraction and Forming Div. National Metallurgical Laboratory Jamshedpur-831007	2200400
94.	SR/S3/MERC-076/2007  20.02.2008	Development of Deformation Resistance Welding Technology	Dr. K. Ashokkumar Welding Research Institute Tiruchirapalli-620014	6473000
95.	SR/S3/MERC/010/2008  22.02.2008	Behaviour of Steel Tubular Sections In-filled with Concrete using Waste Materials	Dr. R. Malathy Deptt. Of Civil Engg. & Research Kongu Engineering College Erode-638052	1567680
96.	SR/S3/MERC/86/2007  22.02.2008	Behaviour of Slender Reinforced Concrete Beams	Dr. Devdas Menon Deptt. Of Civil Engineering Indian Institute of Technology-Madras	1280400

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97.	SR/S3/EECE /054/2007  25.02.2008	Investigation of Trasmit Power Control and its Implementation in Wireless Ad hoc and Sensor Nodes	Dr. Swades De Deptt. Of Electrical Engg. Indian Institute of Technology-Delhi New Delhi-110016	2459760
98.	SR/S3/MER C/85/2007  05.03.2008	Demonstration of Micro-Hydel Power Plants in hilly Areas of Karnataka	Mr. A.R. Shivakumar Karnataka State Council for Science and Technology Bangalore-560012	1429000
99.	SR/S3/MeRC /116/2007  05.03.2008	Intelligent Data Mining for Forward and Reverse Modelling of Manufacturing Processes	Dr. Dilip Kumar Pratihar Deptt. Of Mechanical Engg. Indian Institute of Technology-Kharagpur Kharagpur-721302	1518600
100.	SR/S3/ME/0 23/2007  07.03.2008	Studies on the critical fabrication steps of making multilayer actuator using lead-free piezoelectric materials	Dr. A. Sen Deptt. Of Sensor & Actuator Div. Central Glass & Ceramic Research Institute Kolkata-700032	2363000
101.	SR/S2/RFPS- 03/2006  07.03.2008	Ramanna Fellowship	Dr. Rukmani Mohanta School of Physics Hyderabad University Hyderabad-500046	3480000
102.	SR/S3/MER C-0110/2007  20.03.2008	Simulation of conjugate heat transfer phenomena in ultra-short laser tissue interaction	Dr. S.K. Mahapatra Deptt. Of Mechanical Engineering National Institute of Technology Rourkela-769008	1429000
103.	SR/S3/MER C-0111/2007  20.03.2008	Development of compression-desiccant hybrid system for low humidity air conditioning	Dr. M. Prakash Maiya Deptt. Of Mechanical Engineering Indian Institute of Technology-Madras Chennai-600036	2600000