

### List of On-going sponsored research projects

S. No.	Name of the investigators	Title of the Project	Funding Agency	Reference No.	Amount Sanctioned (in Rupees)	Duration
1.	Dr. S. Arumugam	$n$ -CARDMATH – CGRF	DST	Dy.No.100 /IFD/1470/ 2008-2009 dated 11 <sup>th</sup> June 2008	1,67,72,000	5 years
2.	Dr. S. Arumugam	Domination in Graphs-Theory, Algorithms and applications	NBHM	48/5/2008-R&D II/561 Dated July 2009	8,35,150	3 years
3.	Dr. C. Thangaraj	Multilevel Multicriteria Optimization of Water Supply Facility Expansion Planning	DST-(n-CARDMATH)	Dy.No.100/IFD/5040/2009-2010 dated 18 <sup>th</sup> Sepetember 2009	9,90,720	3 years
4.	Dr. P. Subbaraj/ Dr. S. Saravanasankar	Combinatorial optimization in packing problems specific to VLSI design	DST-(n-CARDMATH)	Dy.No. 100/IFD/5041/2009-2010 dated 18 <sup>th</sup> September 2009	9,74,000	3 years
5.	Dr. M. Subramanian/ Dr. A. Thuraisamy	Saturation Of Graph Parameters	DST-(n-CARDMATH)	Dy.No.100/IFD /185/2008-2009 dated April 2008	10,07,400	3 years
6.	Dr. V. Manikandan	Investigation of Mechanical Properties of Basalt Fiber Reinforced Polymer Composites	DST	Sanction No. 100/IFD/6129/2008-2009 dated 15 <sup>th</sup> December 2008	20,32,000	3 years
7.	Dr.S.Selvanayagam	High Throughput Crystallography	DST	Dy.No.IFD/2809/2009-2010 dated 22 <sup>nd</sup> July 2009	7,32,000	3 years
8.	Dr.P.Venkumar	Cell Formation Using Graph Theory in Cellular Manufacturing System	DST	Dy.No./IFD/3156/2009-2010 Dated 31 <sup>st</sup> July 2009	9,59,400	3 years
9.	Dr.S.Arul Mugilan	New Deviation parameter methods to predict secondary structure protein from amino acid	DST	Dy. No.100 IFD/3483/2009-2010 Dated 17 <sup>th</sup> August 2009	17,88,000	3 years
10.	Dr. C. Sivapragasam	Rain Guage	CSIR	No.24 0305	3,42,167	2 years

		Network Design to Improve Rainfall Estimation for Sustainable Planning of water Resources in River Basin		/09/EMR II		
11.	Dr. K. Sundar	Bacteriophage – a novel vehicle for delivering CTL epitopes	LSRB, DRDO	DLS/81/48222/L SRB-184/BTB/2009	14,99,650	3 years
12.	Dr. S. Rajaram	A structural Model for Customer Behaviour & Service Quality in Insurance Sector – A Servqual Approach	Indian Council of Social Science Research	F.No.RPO II/0044/2008/RP dated 3 <sup>rd</sup> June 2009	2,80,685	2 years
13.	Dr.G.Sangiliyandi	Scale up of polyhydroxyalkan oates production from indigenous isolates and its applications	DBT	Dy.No. 102 IFD/SAN/DBT /PR/1249 /2009-2010 dated 15 <sup>th</sup> October 2009	16,13,000	3 years
14.	Dr.S.Selvasekara pandian /Dr.G.Hirankumar	Development of Micro batteries for IT Technologies	DST-Japan Science & Technology		1,00,00,000	3 years
15.	Dr. J.T.Winowlin Jappes	Investigation on mechanical properties of naturally woven coire/non-clay reinforced hybrid compositors.	DST	GR/FTP/ETA/92 /2009 dated 2 <sup>nd</sup> December2009	14,70,000	3 years
16.	Dr.S.Jeyakumar	Experimental investigations on the characteristics of supersonic flow past axisymmetric cavities.	DST	SR/FTP/ETA-55/2009 dated October 09, 2009	16,50,000	3 years

17.	Dr.P.Rajesh kanna	Investigation of effect of conjugate heat transfer s from a series of Zig Zag blocks mounted over a flat surface in a confined environment	DST	SR/FTP/ETA-0015/2010 Dated 01.09.2010	6,24,000	3 years
18.	Head of the Department/ICE	Process control lab and Biomedical lab	DST under FIST	SR/FST/ETI-249/2009 dated 19 <sup>th</sup> March 2010	65,00,000	5 years
19.	Head of the Department/ Mech		DST under FIST	SR/FST/ETI-052/2010dated 19 <sup>th</sup> March 2010	1,20,00,000	5 years
20.	Dr. G. Sangiliyandi	Gold nanoparticles: Burgeoning Therapeutic molecules for proliferative diabetic retinopathy	DST	100/IFD/ 6563 / 2010-11 dated: 28.09.2010	40,04,800	3 years
21.	Dr. G. Hiran kumar	Rare earth doped nano crystalline olivine phosphate: Cathodes for high voltage high energy lithium battery	DAE	No.2010/20/37P/3/BRNS	17,60,000	3 years
22.	Dr. M. Venkatesulu	Study of Interface problems associated with coupled ordinary differential equation	DST	Dy No: 100/IFD/3962/2010-2013 dated: 23.07.10	9,74,400	3 years
23.	Dr.S.Rajaram	Designing a structural model for measurement of audit expectation gap in selected South Asian Countries	ICAF, New Delhi	ICAI ARF/2011 DATED: 01.05.11	8.5 lakhs	1 yr
<b>Total Amount</b>					<b>6,96,599,372</b>	

**COMPLETED PROJECTS**

S.No.	Name of the investigators	Title of the Project	Funding Agency	Reference No.	Amount Sanctioned (in Rupees)	Duration
1	Dr. C. Thangaraj (Co-ordinator) <b>Project Directors:</b> Dr. S. Radha Krishnan Dr. D. Devaraj Prof. G. Sudhagar Gummady Dr. V. Vasudevan	TIFAC CORE in Network engineering	DST	T/TVM/V(REACH)/AKCE/A/3/2001 Dated 9 <sup>th</sup> January 2002	3,85,00,000	6 years
2.	Dr. S. Arumugam	Domination Related Functions in Graphs	DST	Dy.No.100/IFD/1808/2006-2007 Dated 10 <sup>th</sup> July 2006	16,60,400	3 years
3.	Dr. S. Arumugam	Decomposition Graphs into Paths and Cycles	NBHM	48/2/2004/R&D-II/7372 dated 25 <sup>th</sup> October 2004	6,98,000	3 years
4.	Dr. M. Venkatesulu	Solutions of Boundary value problems for coupled non-linear ordinary differential equations	DST	Dy.No.100/IFD/5419/2006-2007 dated 1 <sup>st</sup> May 2006	7,94,300	3 years
5.	Dr. C. Thangaraj	Development A pilot Scale Sensor Network for Monitoring Water Quality Variations	AICTE	8023/BOR/RPS/45/2006-2007 dated 26 <sup>th</sup> Feb 2007	6,00,000	2 years
6.	Mr. M. Pallikonda Rajasekaran	Remote Patient Monitoring System Using Wireless Sensor Network	AICTE	200/62/FIN/4/5/124/599 dated 24 <sup>th</sup> July 2007	3,50,000	2 years
7.	Dr. G. Sangliyandi	Studies of Molecular mechanism of PEDF and VEGF in Diabetic retinopathy	ICMR	SAN NO.102 IFD/SAN/PR/1906/2007-2008 3 <sup>rd</sup> January 2008	14,16,923	3 years

8.	Dr. S. Radha Krishnan	Core optimization in Multi-processor embedded systems	AICTE(RPS)	-----	5,70,000	2 years
9	Dr. S. Rajaram	Designing a Structural Service Quality model for Telecommunication industry – A TELEQUAL Approach	IITCOE, Ahmedabad		1,90,000	8 months
10	Dr. S. Rajaram	Designing a structural Model for measurement of Service Quality in Railways and Hospitals with special reference to Tamilnadu & Kerala State	IIPA, New Delhi	CPCPCW- 2009/IIPA/01- 05/2010-11/5 dated 12.07.2010	3,82,000	1 year
11.	Dr. S. Kannan	Development of Hybrid Metaheuristic Algorithms for Solving Power System Operation Planning Under Deregulated Environment	DST- (n-CARDMATH)	Dy.No.100/ IFD /5032/ 2009-2010 dated 18 <sup>th</sup> September 2009	9,90,720	3 years
12	Dr. G. Sangliyandi	Molecular Mechanisms of Vascular Permeability in Diabetic Retinopathy :PEDF is an anti Permeability agent	DBT	102/IFD/ SAN/PR/ 1905/ 2007-2008 3 <sup>rd</sup> January 2008	23,20,000	3 years
13	Dr. G. Sangliyandi	Studies on Molecular Mechanism of Erythropoietin in diabetic retinopathy	DST	Dy.No./ IFD/6926 /2007-2008 dated 21 <sup>st</sup> January 2008	12,36,000	3 years
14	Dr. S. Sakthivel Rani	Quality of work life among women employees in various government and private sector in Tamil Nadu	ICSSR	F.No. RP02/ 0031/2008 /RP 13 th Feb 2009	2,95,000	2 years
<b>TOTAL</b>					<b>5,00,03,343</b>	