

## Sponsored Research

Name	Title	Agency	Year	Details	Responsibility	Amount (Rs)	From	To
Dr.A.Valan Arasu	Performance Enhancement Investigation of Shell and Tube Heat exchanger for Thermal Energy Storage Applications	AICTE, New Delhi	year	Ongoing	Principal Investigator	18.05 Lakhs	23-09-2015	23-09-2018
Dr.M.Palaninatharaja	Electro Machining of Titanium Alloys	CVRDE	year	ECM Machining of Titanium Alloys	Co-Investigator	19.5 Lakhs	01-09-2013	01-03-2015
Dr.S.Karthikeyan	Non Destructive Testing (NDT) of Composite Materials using texture and morphology based Scanned Electron Microscope (SEM) image Analysis	University Grants Commission (UGC)	year	Study on Composite Materials	Dr. S. Karthikeyan and Dr. C. Muruganantham	11,00,800	01-04-2013	31-03-2016
Dr.N.Jawahar	Development of Decision Support System for the design of CMS	DST, New Delhi	2011-2014	WOS-A	Mentor	17.7 Lakhs	19-12-2011	
Dr.K.Chockalingam	DEVELOPMENT OF PROCESS MODELS FOR QUANTIZATION OF PROCESS PARAMETERS TO ACHIEVE DESIRED PERFORMANCE CHARACTERISTICS IN WIRE EDM PROCESS	AICTE-RPS	year	Established CNC WCEDM Facility	Principal investigator	20,00,000	01-12-2011	01-12-2013
Dr.PL.K.Palaniapan	Retrofit / Upgradation of HMT NH22 lathe into CNC	AICTE	year	MODROBS	Co-investigator (Section Incharge)	9,00,000	28-11-2011	01-01-0001
Dr.K.Srithar	Experimental investigations of a four-stroke single cylinder direct injection diesel engine operated on Hybrid biofuels for reducing global warming	UGC	year	alternate fuel	Principal Investigator	6,85,000	01-02-2011	01-02-2013
Dr.N.Jawahar	Process Optimisation of EDM	AICTE, New Delhi, INDIA	2011-13	RPS	Co-Investigator	20 Lakhs	01-01-2011	
Dr.C.Paramasivam	Development of a software for obtaining CAD data from image drawings	Amadasoft India Pvt. Ltd, Chennai	year	--	Data conversion form image data to CAD data	4,85,000	01-01-2011	01-01-0001
Dr.N.Jawahar	Modernization of Workshop	AICTE, New Delhi, INDIA	2011-2012	MODROB	Principal Investigator	9 Lakhs	01-01-2011	
Dr.T.Sornakumar	COMPUTER CONTROLLED INSTRUMENTATION SYSTEM	All India Council for Technical Education, New Delhi, INDIA	1999 - 2001	Computer controlled Systems For: 1.Temperature 2.Pressure 3.Flow 4.Level	Principal Investigator	6.47 Lakhs	01-01-2011	
M.Kannan	Research Scholar	MIT Campus, Anna University , Chennai	-	-	-	-	01-01-2010	
Dr.PL.K.Palaniapan	Line Balancing	TVS MOTORS	-	Development of heuristics for assembly line balancing	Project Executor	-	01-01-2010	

Dr.PL.K.Palaniapan	Development of Value Engineering	AICTE	year	Lab Value engineering software and engineering models will be established for academic research.	Co-investigator	3 lakhs	01-01-2010	01-01-0001
Dr.G.KANAGARAJ	Design and analysis of Thyristor sink	Visoka Engineering Pvt Ltd, Chennai	year	Design and analysis	member	6 lakhs	03-09-2009	02-09-2010
Dr.K.Chockalingam	DEVELOPMENT OF FAST, ACCURATE AND EFFICIENT ALGORITHM FOR REVERSE ENGINEERING	AICTE-RPS	year	eSTABLISED Reverse Engineering Facilities	Principal Investigator	9,00,000	01-08-2009	01-08-2011
G.SatishPandian	Exploration and Development of Environmental Regulation Management Systems for Indian Manufacturing Industries	UGC MRP	year	F.No - 38.249 dated Feb 2009	Project Fellow	9,87,000	01-02-2009	31-01-2013
Dr.A.Valan Arasu	Modeling and Performance Prediction of Solar Water Heating Systems using Artificial Neural Networks	DST SERC Fast Track Scheme for Young Scientists	2009	Completed	Principle Investigator	15.72 Lakhs	01-01-2009	
Dr.N.Jawahar	Exploration and Development of ERMS in Indian Mfg. Industries	UGC, New Delhi	2009-2012	Major Research Project	Co- Principal Investigator (From Aug 2011 onwards)	7.71 Lakhs	01-01-2009	
Dr.G.KANAGARAJ	Design and fabrication of MLC	SAMEER Chennai	year	Low cost manufacturing	member	25 lakhs	02-09-2008	26-08-2009
Dr. A.Samuel Raja	Centre for Two wheeler Testing	AICTE	year	Procured Two wheeler chassis dynamometer, Two wheeler engine test rig, 5-gas analyzer	Team Member	10 Lakhs	01-06-2008	31-05-2009
Dr.A.Valan Arasu	Fabrication of Electrolytic Cell for Brown's Gas Generation- An Additive Fuel for Two Wheeler Engines	Tamilnadu Science Council for Science & Technology	2008	Completed	Guide	.5,000	01-01-2008	
Dr.A.Valan Arasu	Center for Automobile	AICTE, New Delhi	year	Completed	Co-ordinator	10 Lakhs	01-01-2008	01-01-0001
Dr.N.Jawahar	Development of Pilot model of MLC	SAMEER, Chennai, INDIA	2008-2010	Collaborative project	Coordinator	6 Lakhs	01-01-2008	
Dr.N.Jawahar	Modernization of Thermal Lab - Automotive Emission	AICTE, New Delhi, INDIA	2007-2008	MODROB	Principal Investigator	10 Lakhs	01-01-2007	
Dr.A.Valan Arasu	Energy Survey and Plan for Madurai District	Tamilnadu Energy Development Agency	2007	Completed	Co-ordinator	3.5 Lakhs	01-01-2007	
Dr.V.Dhanalakshmi	Development of fast accurate and efficient algorithm for Reverse Engineering	AICTE RPS Project	2007	A fast accurate and efficient algorithm for Reverse Engineering was developed	Co-Investigator	9 lakhs	01-01-2007	
Dr.V.Dhanalakshmi	Integration CAD,CAM and CNC systems using STEP tools	AICTE RPS Project	2007	Integration CAD,CAM and CNC systems is carried out using STEP tools	Principal Investigator	8 lakhs	01-01-2007	
Dr.C.Paramasivam	Development of International Virtual Laboratory on Mechatronics under the auspices of European	EU-IECCP , Germany	year	--	Design and development of one	25,00,000	10-05-2006	01-01-0001

	Union – India Economic Cross Cultural Programme				experiment based on image processing			
Dr.PL.K.Palaniapan	Offline Robot Path optimization	AMADA Soft India Ltd.	year	Development of heuristics for robot path movements	Project Executor	5 lakhs	01-01-2005	01-01-0001
Dr.S.Muralidharan	Total Productive maintenance – Elimination of losses	Sundaram Brake lining Ltd	-	-	-	-	08-01-2003	
Dr.A.Valan Arasu	Design, Development of Electronic Controlled One-Axis Solar Tracking System	Tamilnadu Science Council for Science & Technology, Chennai	2003	Completed	Guide	5,000	01-01-2003	
Dr.N.Jawahar	Teaching Systems for Mechatronics Automation Development Program	AICTE, New Delhi, INDIA	2003 – 2006	TAPTEC	Principal Investigator	9.8 Lakhs	01-01-2003	
Dr.N.Jawahar	Development of Decision Support Systems for Vendor Managed Inventory Systems	AICTE, New Delhi, INDIA	2003 – 2005	Research & Development	Principal Investigator	7.5 Lakhs	01-01-2003	
Dr.S.Muralidharan	Manpower assessment for non-destructive examination of Heat Exchanger	BHEL, Trichy.	-	-	-	-	09-02-2002	
Dr.S.Muralidharan	Design of FMS line for Production of Valves.	BHEL, Trichy.	-	-	-	-	10-01-2002	
Dr.N.Jawahar	Centre for Automation	AICTE, New Delhi, INDIA	1999 –2000	Thrust Area Development Program	Principal Investigator	15 Lakhs	01-01-1999	
Dr.S.Muralidharan	Value Analysis of Pneumatic Bay in Aero Space Application	DRDL - RCI, Hyderabad	-	Studies been conducted for the existing manufacturing process based on porosity, density, concentricity, process cost. ANSYS package was used.	-	-	11-12-1998	
Dr.N.Jawahar	Production of Missile Program -Documentation	RCI, DRDL, Hyderabad, INDIA	1998 –1999	Research Project	Member	2.45 Lakhs	01-01-1998	
Dr.PL.K.Palaniapan	Production Documentation	DRDL, Hyderabad, INDIA	year	Documentation of Process / Production Details. Documentation of Process / Production Details.	Project Executor	2.45 lakhs	01-01-1998	01-01-0001
Dr.A.Valan Arasu	Design, Development and Experimental Studies of Packed Bed Solar Energy Storage System	TNSCST, Chennai	1997	Completed	Guide	5,000	01-01-1997	