

Institute  
Institute ID  
Year

National Institute of Technology, Tiruchirappalli  
IR17-ENGG-1-1-370, IR17-I-1-1-370  
2013-14

Sl. No.	Name of Faculty	Funding Agency	Title of the Project	Sanction Amount
1	Dr.B. Karthikeyan	CSIR	Synthesis, exciton and phonon properties of NiO nanotube composite polymers	901667
2	Dr.S. Moses Santhakumar	MHRD under Centre of Excellence	Centre of Excellence for training and research in frontier areas of science and technology	1000000
3	Dr. M. Umapathy	SERB	Design fabrication & testing of meso and micro scale resonant sensors with electronics	4903600
4	Dr.N.Siva Shanmugam	SERB	Experimental investigations and finite element simulation of laser welding of Titanium sheets for Airframe structures	2442000
5	Dr. S.Kumaran	DRDO	Development of high niobium containing Nanostructured TiAl Intermetallic compounds produced by Spat Plasma sintering and their Structure-Property correlation	2367600
6	Dr.A. Noorul Haq	DRDL	Improvement on Mechanical properties of cryorolled precipitation hardenable AA 2219 alloy by friction stir welding process	975000
7	Dr. Sishaj P.Simon	SERB	A pilot project on economic demand response management through on line monitoring	2439000
8	Dr.S. Anandan	DST	Sonochemical preparation of metal nanoparticles and application of fuel cell catalysts	2278800
9	Dr.S. Anandan	DST	preparation of solid Polymer electrolytes for fabrication of dye-sensitized solar cells	4480000

10	Dr. A. Vadivel	UGC - Indo-US Century knowledge	Cognitive based Curriculam development tool for Emerging areas of CS & MS	6000000
11	Dr.M.P.selvan, Dr.N.Kumerasan	PGCIL	Development of Micro-Grid controller integrated with multiple types of renewable sourcess and loads	1495000
12	Dr.M. Matheswaran	SERB	Direct conversion of CO2 to hydrocarbon fuel using novel nano photocatalyst	2160000
13	Dr.M. Durai Selvam	DRDL/CARS	Laser glazed plasma sprayed functionally graded theirmal barrier coatings for high temperature applications	988900
14	Dr.B. Venkataramani	DST-FIST	DST FIST PROJECT	6000000
15	Dr.V. Shanthy	SERB	Numerical methods for two parameter singularly perturbed boundry value problems	1028000
16	Dr.N. Kumaresan	CWET	A Novel Hybrid energy system for supplying isolated loads with FPGA based energy management scheme	7326000
17	Dr.M. Matheswaran	DBT	Novel Energy Production from Distilery Effluent Treatment by Bio-electrochemical Method	2280000
18	Shri G. Balamurugan Shri Ande Raja Ambedkar	UGC	UGC JRF Fellowship	732200
19	Dr.N. Gopalakrishnan	CSIR	Doping AND capping in ZnO thin flims for spintronics applications"	1992000
20	Dr.S.P. Sivapirakasam	IGCAR	Analysis of welding Fumes for the Cosumables used in the Fabrication of Nuclear Components	1721110
21	Dr.S. Kumaran	ISRO	Development of nanostructured/amorphous SiGe thermo-electric materials by high energy ball milling and spark plasma sintering	1865000

22	Dr.T.K. Radhakrishnan	IITK	Developing suitable pedagogical methods for various classes, intellectual calibres & E-Learning (NMEICT - MHRD Pedagogy Project) in the following topics	2599000
	Dr. Michael Arock & Dr. S. Sangee	IITK	Fundamentals of Computers and Programming	
	Dr.T.K. Radhakrishnan & Dr. A. Seshag	IITK	Instrumentation and Process Control	
	Dr. Mary Saira Bhanu S & Dr. Nickol	IITK	Operating Systems	
	Dr. Balasundaram S R & Dr Ramadc	IITK	Web Programming	

**Year 2014-15**

Sl. No.	Name of Faculty	Funding Agency	Title of the Project	Sanction Amount
1	Dr.J. Sarat Chandra Babu	BARC	Experimental and Numerical Investigation of Gas - solid Reaction in a Tubular reactor	3593000
2	Dr.S. Vinodh	SERB	Exploration of lean tools/techniques enabling sustainability in automative organization	1542000
3	Dr.Kamatchi Sankaranarayanan	DST INSPIRE	Role of Interfacial Rheology in Myosin-Actin Interactions	3500000
4	Dr. L. Cindrella	CSIR	Radiation Capped Stagnation Temperature improved, WIDE spectrum Responsive solar selective coatings for solar thermal systems	1074800
5	Dr. J. Hemalatha	SERB	Magnetoelectric polymer nano composite structures for magnetic field sensing in non destructive testing	1404000
6	Dr.B. Venkataramani	DEITY	Visvesvaraya PhD Scheme for Electronics and IT	26727000

7	Dr. V.Anandakrishnan	GTRE CARS	Investigation on the properties of direct metal laser fabricated material and its brazing compatibility with nickel based casing	990000
8	Dr.K.Balamurugan	DST INSPIRE	Innovation in Science Pursuit for Inspired Research	1900000
9	Dr.K.Sundareswaran	CPRI	Design and optimization of feedback controller for boost type DC-Dc converters using artificial immune system	695000
10	Ms. Jenefer Research Mentor : Dr.S.Domnic	DST	Detection of pectoral muscle and mass in mammogram image for early diagnosis of breast cancer to increase the life span of women	325600
11	Ms. Esther Princess [UGC Awardee] Research Mentor: Dr.G.Muruganantham	UGC	UGC ,JRF, AWARDEE (UGC-JRF/MBA/GE/2014-15)	243400
12	Dr.R. Karvembu	BRNS	Nano silica immobilized acylthiourea complexes for catalytic applications	2120000
13	Dr.G.Muruganantham	ICSSR	Effect of social cause Advertisements in Tiruchirappalli district of tamil nadu	300000
14	Ms. G. Rohini, CSIR JRF Research Mentor: Dr.A. Sreekanth	CSIR	Catalysis with Chelating Boron Ligands [Inorganic Chemistry] under CSIR JRF/SRF Scheme	159500
15	Dr.B.Venkataramani	US	Broadcomm foundation Source	303392 (USD 2500)

**Year 2015-16**

Sl. No.	Name of Faculty	Funding Agency	Title of the Project	Sanction Amount
1	Dr.S.Suresh	DST	Miniaturised compact solar concentrators for water desalination/purification	1386000

2	Dr.S.Suresh	SERB	Experimental Investigation of Heat Transfer Enhancement for Electronic Heat Sink Coated with Vertically aligned CNT and Metal Nanowires	4363200
3	Dr.G.Swaminathan	DRDL	Methodologies for Safe Disposal of Missile Canister after Firing	200000
4	Associate Dean	Ministry of Steel	Under graduate Steel Scholarships for 2nd and 3rd years	1800000
5	Dr.S.Anandan	SERB	Medium Band Gap Donor-Acceptor Conjugated Polymers towards fabrication of Bulk Heterojunction Solar cells	2600000
6	Dr.S.Anandan	DST	Experimental and Theoretical aspects of sonochemical effects in food emulsions	1034800
7	Dr.B.Venkataramani	DEITY	Special Manpower Development Programme for Chips to System Design	31709000
8	Dr.S.Kumaran	ISRO -RESPOND	Development of Ultra Fine Grained Super High Strength Aluminium alloys (7XXX series) by Cryo Rolling	2005000
9	Ms. Sheelapriya	ICSSR	Stock price trend prediction: Comparative analysis in the classification of artificial neural network models based on Bayesian regularization with benchmark model arima	100000
10	Dr.S.Senthil Kumar	NLC	Dynamic Loadig of conveyor Drive Heads in Mines	3098000
11	Dr.S.Muthukkumaran	ISRO -RESPOND	Friction Stir Welding (FSW) of Aluminium alloys for Aerospace Applications	2193000
12	Dr.S.Suresh	DST	Experimental investigation on heat transfer characteristics of hybrid PCM in thermal storage system (TES) for solar applications	6337600
13	Dr.Ramkalyan Ayyagiri	DEITY	De-congesting India's Transportation networks using mobile devices	2180000

14	Dr.S.Kumaran	DST	Development nano-structured magnesium silicide thermo-electric materials by spark plasma sintering and evaluation of electric power generation from thermal systems	2538200
15	Dr.B.Venkataramani	DEITY	Visvesvaraya PhD Scheme for Electronics and IT	83575000
16	Dr.R.Anand	SERB	Experimental Investigation on dual Fuel Engine using Compressed Natural Gas and Pyrolysis waste engine oil	5034000
17	Dr.Ramkalyan Ayyagiri	ABB	Model Driven Engineering for Integration Industrial Automation Systems with Application to Water Networks [Scope ABB GISPL shall provide scholarship to a max. 2 Research Scholars]	148500
18	Dr.Shima P Damodaran	DST-INSPIRE	Fabrication of advanced functional magnetic nanocomposites for thermal engineering, biomedical & sensor applications under Innovation in Science Pursuit for Inspired Research	1900000
19	Dr. Seenuvasan Vedachalam	DST-INSPIRE	The Development of NHC Catalyzerd Reactions: Application towards Total Synthesis and Drug Discovery under Innovation in Science Pursuit for Inspired Research	1900000
20	K Shalini	DST-INSPIRE	Inspire Fellowship	380000
21	Vikram Kumar Suresh Jain	DST-INSPIRE	Inspire Fellowship	380000
22	Dr.R.Anand	DST	Production of Biodiesel from Non-Edible Aegle marmelos Correa oil and its Use in Diesel Engine	1672000

23	Dr. A. Vadivel	MHRD	Application of ICT Tools for Pedagogy Development to Engg. Teachers Programme under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme	1200000
24	Dr.S.Kumaran	CSIR	Mechano-chemical Synthesis of Nanostructured Magnesium Silicide Thermo-electric Materials by Spark Plasma Sintering	158000
25	Dr.P.Sathiya	SERB	A Comparative study on the weldability of high strength aluminium-magnesium alloy (AA-5083)	4909080
26	Dr.S.P.Sivapirakasam & Dr.K.R.Balasubramanian	DRDO	Experimental Investigation of Impact Initiation of Sound / Light Emitting Pyrotechnic Compositions	1904170
27	Dr.S.Lakshmi Prabha	DAE-NBHM	DAE- NBHM Post Doctoral Fellowship	416000
28	Dr.S.Prasanna Venkatesan	SERB	Investigation on E-waste flow assessment and collection strategies for a Sustainable and Economic e-waste value chain Design in India	1636000
29	Dr.S.Kumaran	SERB	Development of Nano-oxide dispersion strengthened ferritic/martensitic steels by spark plasma sintering and study their high temperature properties	3544200
30	Juliet Christina Mary	DST-INSPIRE	INSPIRE Fellowship under INSPIRE PhD Program	380000
31	Dr.T.Selvi	SERB	National Post Doctoral Fellowship	960000

32	Dr.G.Arthanareeswaran	SERB	Transport Characteristics of novel polysulfone membranes for nano filtration	500000
33	Dr. Vadivel A	SERB	Characterization of Mammogram masses into BI-RADS Shape categories using 3D Fuzzy-Shape Approach for Early Detetion of Breast Cancer	600000
34	Dr. Sankaranarayanan V	SERB	Coordination, path planning and control of mobile robots	1100000
35	Dr. Duraiselvam M	GTRE CARS	Exploratory Studies on Laser Surface patterning for providing high temperature protective coatings on Nickel based superalloy	450000