

SL. No.	Name of the staff	Title of the Project	Funding Agency	Amount sanctioned	Status (On-going / Completed)
Dept. of Automobile/Mechanical Engineering					
1	Dr. T. Senthilkumar, Associate Prof & Head, Dept of Auto & Mech Engg, AUT	Investigations on Fatigue behavior of Friction Stir Welded Age Hardenable High Strength Aluminium Alloy	CSIR New Delhi	1365000.00	(2010-12) Completed
2	Dr. M. Chandrasekar, Asst Prof Dept of Auto & Mech Engg, AUT	Passive Cooling of Standalone Flat PV Module With Heat Spreaders in Conjunction With Cotton Wick Structure	CTDT, Chennai	50000.00	(2013-14) Completed
Dept. of Biotechnology					
1	Head, Dept. of Biotech, AUT	Fist Programme	DST, New Delhi.	1950000.00	On-going
2	Dr. P. Rajaguru, Prof. & Head, Dept. of Biotech, AUT	Designing A Multi Target Rnai Effector Molecule For Simultaneous Silencing Of Multiple Genes	DBT New Delhi	3071000.00	(2007-10) Completed
3	Dr. P. Rajaguru, Prof. & Head, Dept. of Biotech, AUT	Silencing of ER stress response genes using RNA interference to protect hyperglycemia induced pancreatic B-cell death	DST New Delhi	2886400.00	(2009-12) Completed
4	Dr. P. Rajaguru, Prof. & Head, Dept. of Biotech, AUT	Screening and characterization of active constituents from an antidibetic plant Gymnema Montanum and its pharmacological evaluation using genomic and proteomic approach	DST New Delhi.	258500.00	(2009-11) Completed
5	Dr. P. Rajaguru, Prof. & Head, Dept. of Biotech, AUT	Simultaneous silencing of multiple Pro-angiogenic factors to suppress tumor-induced angiogenesis	DBT New Delhi	7266000.00	On-going
6	Dr.S.John Vennison, Asst Prof, Dept. of Biotech, AUT	Transgenic Bacillus Sphaericus for effective Mosquito Control	DBT New Delhi	1740000.00	(2007-10) Completed

7	Dr.S.John Vennison, Asst Prof, Dept. of Biotech, AUT	Cloning and expression of pyruvate decarboxylase and alcoholdehydrogenase gene in to cellulosic ethanol production	DRDO New Delhi.	1621000.00	(2008-11) Completed
8	Dr.S.John Vennison, Asst Prof, Dept. of Biotech, AUT	Cloning and Expression of NS-1 and prM proteins for the diagnosis of dengue infections	DST New Delhi	2240900.00	(2009-12) Completed
9	Dr. S. John Vennison, Asst. Prof., Dept. of Biotech, AUT	Development of a recombinant NS1 antigen based diagnostic kit for the early detection of dengue virus infection	DST New Delhi	4242000.00	On-going
10	Dr. S. John Vennison, Asst. Prof., Dept. of Biotech, AUT	Recombinant Antigens as a Tool for Analyzing Antibody Response Among Dengue Patients to Understand Pathology and Pathogenesis	ICMR New Delhi	2584000.00	On-going
11	Dr.P.Sureshkumar, Asst Prof., Dept. of Biotech, AUT	In vitro regeneration of selected endangered medicinal plants activity guided extraction, comparative assessment of antidiabetic and antioxidant activity	DST New Delhi	2030400.00	(2008-11) Completed
12	Dr.V.Pugalenthil, Asst Profr, Dept. of Biotechnology, AUT	Enhancement of bio hydrogen production using integrated nanoparticle-catalyzed fermentation MEC and process modeling	DBT New Delhi	2425000.00	(2009-12) Completed
13	Dr. B. Anandaraj, Asst. Prof., Dept. of Biotech, AUT	Marine Nano factories – Sense and Sensing	DST New Delhi	2500000.00	On-going
14	Dr. P. S. Sudhakar Gandhi, Asst. Prof., Dept. of Biotech, AUT	Structural Exploration of Recombinant Mouse Seminal Vesicle Spink-3 Receptor on Sperm Acrosome	DBT New Delhi	2987000.00	On-going
15	Dr. P. S. Sudhakar Gandhi, Asst. Prof., Dept. of Biotech, AUT	Mouse Seminal Vesicle Sulfhydryl Oxidase (SOx): Cloning and Expression of Recombinant Enzyme to Identify Its Cross Linking Substrate among Seminal Vesicle Proteins	DST New Delhi	3470000.00	On-going
16	Dr. S. Geetha, Asst. Prof., Dept. of Biotech, AUT	Green Synthesis of Gold Nanoparticle Using Algal Species and Evaluation of its Anticancer Activity	CTDT, Chennai	50000.00	(2013-14) Completed

Dept of CSE/IT					
1	Dr.R.Krishnamoorthy Prof. Dept. of IT, AUT	Design of Orthogonal Polynomials based Transform Coding Technique for Color images & Video	UGC MRP	990000.00	(2007-10) Completed
2	Dr.R.Krishnamoorthy Prof. Dept. of IT, AUT	Thin Client Technology Laboratory	MODROBS New DelhiI	785000.00	(2008-11) Completed
3	Dr.R.Krishnamoorthy Prof. Dept. of IT, AUT	Design of New Iris Recognition System for personal Identification with Orthogonal Polynomials Model	MIT New Delhi.	3578000.00	(2009-12) Completed
4	Dr.R.Krishnamoorthy Prof. Dept. of IT, AUT	Design of New Iris Recognition System for Personal AUT-Thentication with Orthogonal Polynomials Model	AICTE New Delhi.	460000.00	(2009-12) Completed
Dept of Petrochemical Technology					
1	Dr. S. Venkatesan, Asst Prof, Dept. of PetroTech, AUT	Studies on removal of phenolic compounds from acqeous media and industrial effluents using room temperature ionic liquids (RTILS) and modeling of the process	DST New Delhi.	2004000.00	On-going
2	Dr. M. Arulmozhi, Asst Prof, Dept of Petro Tech, AUT	Studies on Removal of Phenolic Compounds from Aqueous and Industrial Effluents Using Biosorbents and Ionic/Bio Surfactants and Modeling of the Process	DST New Delhi	1880000.00	On-going
Dept. of Pharmaceutical Technology					
1	Dr.K.Ruckmani.,Prof and Head, Dept of PharmaTech, AUT	Nanocomplexes for the Targeted Drug Delivery to the Inflamed Site of Lungs	DST, New Delhi.	3214400.00	(2009-12) Completed
2	Dr.K.Ruckmani.,Prof and Head, Dept of PharmaTech, AUT	National facility for drug development for academia, pharmaceutical and allied industries	DST, New Delhi.	60000000.00	On-going
3	Dr.K.Ruckmani.,Prof and Head, Dept of PharmaTech, AUT	Isolation Characterization and formulation studies of Gums obtained from Albizia stipulate and Prunus Cerasoides of Mizoram	DBT New Delhi	2940000.00	On-going

4	Dr .N Subramanian, Asst Prof., Dept of PharmaTech, AUT	Development, characterization and biological evaluation of microemulsion and lipid dispersion for drug delivery and detoxification	DST New Delhi	2077000.00	(2008-11) Completed
5	Dr .N Subramanian, Asst Prof., Dept of PharmaTech, AUT	Development of Biodegradable Temperature and pH Responsive Hybrid Polymer-Peptide System for Efficient Intraocular Delivery of Drug	DBT New Delhi	5845000.00	On-going
6	Dr .N Subramanian, Asst Prof., Dept of PharmaTech, AUT	Targeted Delivery of Camptothecin Using Polymer Stabilized Nanoemulsions for Improved Treatment of Breast Cancer	DST New Delhi	2558000.00	On-going
7	Dr A. Puratchikody, Asst Prof., Dept of Pharma Tech, AUT	Design, Synthesis and Evaluation of Novel COX – 2 Inhibitors of Dibromotyrosine Derivatives as Anti-inflammatory Drugs	DST New Delhi	3042000.00	On-going
8	Dr. S. Latha, Asst Prof., Dept of Pharma Tech, AUT	Design, Construction of Fe-drug nano complex loaded nano / micro bullets using a novel hybrid Technology for magnetic targeted therapy and its comparative with special emphasis on rheumatoid arthritis	DRDO New Delhi	1209880.00	(2009-12) Completed
9	Dr. P. Selvamani, Asst. Prof., Dept of Pharma Tech, AUT	Systematic exploration and pharmacological appraisal of active botanical ingredient (fraction) isolated from herbs as possible adjunct / alternate therapeutic aid for dementia associated with Alzheimer's disease	DST New Delhi	2685000.00	On-going
Dept of Chemistry					
1	Dr. K.Jothivenkatachalam, Asst Prof, Dept. of Chemistry, AUT	Photo-redox chemistry of Cobalt (III) ammine complexes coordinated to unsaturated carboxylic acids and macrocycles: Studies on product analysis and photochemical pathways.	DST New Delhi.	2026200.00	On-going
2	Dr. K. Nehru, Asst. Prof. Dept of Chemistry, AUT	Asymmetric Transesterification of Organic Compounds Using The Combination Of Enzyme-Metal Catalyst	CSIR New Delhi	1600000.00	On-going

3	Dr. V. K. Senthurpandian, Asst. Prof. Dept of Chemistry, AUT	Removal of Dyes from Effluents Using Indigenously Prepared Activated Carbons	CTDT, Chennai	50000.00	(2013-14) Completed
4	Dr. N. R. Sasirekha, Asst. Prof. Dept of Chemistry, AUT	Novel Mesoporous Materials for Dry Reforming of Methane	DST New Delhi.	2478000.00	On-going
5	Dr. V. Thangaraj, Asst. Prof. Dept of Chemistry, AUT	Synthesis of Compositionally Modulated Multilayered Alloys by Electrochemical Deposition”	DST New Delhi.	2450000.00	On-going

Dept of Physics

1	Dr.S. Brahadeeswaran, Asst Prof, Dept. of Physics, AUT	Growth and characterization of DAST and BNA organic single crystals for terahertz applications	DST New Delhi	2979204.00	On-going
2	Dr.S. Brahadeeswaran, Asst Prof, Dept. of Physics, AUT	Ultra-fast transient spectroscopy to probe charge carrier dynamics in molecular semiconductor crystals- An indigenous and cost-effective approach	DST New Delhi	1847200.00	On-going
3	Dr. G. Senguttuvan, Asst Prof, Dept. of Physics, AUT	Studies on Preparation of Nio Doped P-type Azo Nanoparticle – Polymer Thin Films for Nems Applications	CTDT, Chennai	50000.00	(2013-14) Completed
4	Dr. I. Vetha Potheher, Asst Prof, Dept. of Physics, AUT	Development of Highly Efficient Mannish Base Organic NLO Crystals for Electro-optic Applications	CTDT, Chennai	50000.00	(2013-14) Completed
5	Dr. A. Viswanathan, Asst Prof, Dept. of Physics, AUT	Laser Cladding of ARSI316L,Stainless Steel With Rare Earth Oxide for Wear Resistive Applications	CTDT, Chennai	50000.00	(2013-14) Completed