

DETAILS OF SPONSORED PROJECTS(Completed) 2011-2016

S.No.	Name of PIs	Title of the Project	Name of Sponsoring Agency	Project Cost/Fund	Starting Date of Project	Ending Date of Project	Project Year/ Duration
CHEMICAL DEPARTMENT							
1.	Dr. S. Suresh	Extraction of fibres from raw sisal plants	Handloom and Handicraft Rural Development Department, Government of Madhya Pradesh	4.0 lacs	6/8/2011	29/08/2013	2 years
2.	Dr. S. Suresh	Treatment of industrial wastewater using photocatalysis process	MPCST, Bhopal	4.18 lacs	3/11/2012	05/07/2016	3.5 years
3.	Dr. Bharat Modhera	Removal of Phenol And Its Derivative Compounds From Waste Water By Using Non-Conventional Low Cost Adsorbents	The Institution of Engineers (India), Kolkata	10000/-	8/6/2015	7/6/2016	01 year
4.	Dr. Bharat Modhera	Production, analysis and evaluation of biodiesel from neem and karanja oil blends	The Institution of Engineers (India), Kolkata	40000/-	8/6/2015	7/6/2016	01 year
CIVIL DEPARTMENT							
5.	Dr. P.K.Jain Dr.Jyoti Sarup	“Mineral Mapping in Kajali Dongari of Dist. Jhabua using Hyperspectral Data Analysis & Field Verifications by ASD Spectro-radiometers.”	Ministry of Earth Sciences, New Delhi	5.05 lakhs For Pilot. (Further three years of project with the cost of Rs.55,98,600/- is submitted . It is under process of review and Defence)	Aug. 2013	Feb. 2016	3Yrs
6.	Dr. Jyoti Sarup Dr. Kishan Dharawat	“Evaluation, Scope & Utilization of Geothermal Energy in Madhya Pradesh”	NHDC Ltd., Bhopal	-----	Nov. 2012	March 2013	4 months

7.	Dr. Rakesh Kumar	A study on the use of nanotechnology additive for soil modification	Zydex Industries Vadodra	2.0 Lakhs	28 Oct. 2014	Dec.2015	1 Year
CHEMISTRY							
8.	Dr. Amit Dubey & Dr. Rajnish Kurchania	Synthesis and Characterization of Functionalized Ordered Mesoporous Silica Nano-composites for Advanced Applications	MPCST	4.78L	April, 2011	March, 2014	3 Year
9.	Dr. Amit Dubey	Structure –Activity relationship of functionalized nanoporous carbons and their polymeric nano-composites for significant organic transformation	CSIR	11.27L	December, 2012	December, 2015	3 Year
COMPUTER SCIENCE & ENGINEERING							
10.	Dr . Nilay Khare	High Performance GPU Accelerator (Research Grant)	NVIDIA Developers India Ltd.	Rs. 2,11,550/-	Aug 2016	-	Completed
ELECTRONICS & COMM. ENGINEERING							
11.	Prof. Laxmi Kumre Dr. Ajay Somkuwar	Model Based design to accelerate HDL application for development of logic chip design	MHRD	5.50 Lacs	2010	2012	2 year
12.	HOD ECE	Special Manpower development program (SMDP) VLSI	DeitY	30.40 Lacs	2006	2013	7 years
13.	Dr. Arvind Rajawat	Embedded System Design Center development	MANIT, MHRD	25.00 Lacs	2010	2011	1 year
14.	Dr. Jyoti Singhai Dr. Dheeraj Agrawal	Image Processing” Grant in Aid project	MHRD	24.00 Lacs	2010	2011	1 year
15.	Dr. Aditya Goel Prof. Lalita Gupta	Broad band multimedia signal processing and application	MANIT, MHRD	12.10 Lacs	2010	2011	1year

16.	Dr. Jyoti Singhai Dr. Dheeraj Agrawal	Strengthening and development of research Laboratories for Image processing lab	MHRD	17.00 Lacs	2011	2012	1 year
17.	Dr. Jyoti Singhai	Psychoacoustic model based Audio Data Compression technique	AICTE	10.50 Lacs	2008	2011	3 Year
18.	Dr. Sangeeta Nakhate Dr. Ajay Somkuwar	Up-gradation of Antenna & Microwave Lab.	MHRD, MANIT	21.00 Lacs	2011	2012	1 year
19.	Dr. Laxmi Kumre	strengbeng thing and Development of Research laboratories	MHRD	22.00 Lacs	2011	2012	1 year
ENERGY CENTRE							
20.	Dr.Prashant Baredar	Installation and commissioning of 5kW Biomass gasification	TEQIP-II	6.615 lakhs	18.05.2014	2014	6 months
21.	Dr.K.Sudhakar	National Renewable Energy Fellowships	MNRE, Govt. of India	9.8 lakhs	26.12.2013	2016	3 years
22.	Dr.Prashant Baredar	Installation and commissioning of weather monitoring station	TEQIP-II	6.7 lakhs	27.05.2013	2013	6 months
23.	Dr.K.Sudhakar	Detailed Project report of 50 MW Floating solar at West kallada,Kerala	NHPC	5.5 Lakhs	2015	2016	1 year
24.	Dr.K.Sudhakar	Detailed Project report of 70 MW solar PV at Kolaras,M.P	NHDC	5 lakhs	2016	2016	6 months
MANAGEMENT STUDIES							
25.	Dr. G.S. Kushwaha	Impact assessment of the advance training for professional	DIETY New Delhi	Rs.100,000/-	30/06/2014	13/02/2015	1 year
MATHS & MCA							
26.	1. Dr. Mamta Agarwal 2. Dr. K. R. Pardasani	Computational Models to study temperature distribution in invivo tissues	DST, New Delhi	Rs. 17.75 Lakhs Revised Rs. 21,09,355/-	31 May 2013	31 May 2016	3 years

		of extended cylindrical human organs involving malignant tumors.					
27.	Dr. K. R. Pardasani	Computational Models and Server for Simulation of Ca ²⁺ Dynamics in Neuron Cells	CSIR, New Delhi	Rs. 12,92,000/-	02/02/2011	02/02/2014	3 years
28.	Dr. K. R. Pardasani	Computational Models For Simulation of Ca ²⁺ Dynamics In Oocytes	UGC, New Delhi	Rs. 9,74,800/-	01/02/2011	01/02/2014	3 years
29.	Dr. K. R. Pardasani, Dr Neeru Adlakha & Dr Mamta Agarwal	Thermal Modelling of Cancer	DST, New Delhi & BMWf, Austria	Rs 6,78,400/-	28/03/20011	1/12/2013	2 years
30.	Dr. R. S. Thakur	Theoretical Computational Model for Clustering of Categorical Data	MPCST, Bhopal	3.48 Lac.	Aug 2012	2015	02 years + 01 year Extension
31.	Dr. R. S. Thakur	Computational Models for Mining Deterministic and Fuzzy Association Rule in Large Databases (under Fast Track Scheme)	DST, New Delhi	18.5 Lac.	Dec 2012	March 2016	3 years

MECHANICAL ENGINEERING DEPARTMENT

32.	Dr. Rajesh Purohit	Development of facility for manufacturing of polymer matrix nano-composites	TEQIP-II	Rs.10.9 Lakhs	2014	2015	1 Year
33.	Dr. C. M. Krishna and Dr. A. R. Rehman	Study and Analysis of Characteristics of Chip formation in Aluminum Metal Matrix Composites in End Milling	TEQIP-Phase-II, MANIT	Rs. 3.1 Lakhs	2014	2015	1 Year
34.	Rajesh Gupta	Numerical investigation of piston bowl geometry and swirl ratio on spray, performance and emission from diesel engines	World Bank-MHRD, GOI Joint project,(TEQIP-II)	Rs 21 Lakhs	Apr-14	Mar-15	1 Year

35.	Rajesh Gupta	Emission Reduction by using Jatropa & Turpentine Oil Blend as Alternative Fuel in Diesel Engine	World Bank-MHRD, GOI Joint project(TEQIP-II)	Rs 10 lakhs	Apr-15	Mar-16	1 Year
36.	Rajesh Gupta	Emission Reduction by using Jatropa & Turpentine Oil Blend as Alternative Fuel in Diesel Engine	World Bank-MHRD, GOI Joint project(TEQIP-II)	Rs 16 lakh	Jan-16	Oct-16	10 months

PHYSICS DEPARTMENT

37.	Dr. Rajnish Kurchania & Dr. R. J. Ball	Interactive Systems and Coatings for a Sustainable Built Environment	UKIERI	46/- lacs	March 2012	March 2015	03 years
38.	Dr. G. D. Sharma & Dr. Rajnish Kurchania	Design and Synthesis of New Conjugated Low Band Gap Polymers Based on "Weak Donor-Strong Acceptor" An Approach for Efficient Bulk Heterojunction Solar Cells	RFBR-DST	20/- lacs	Jan 2014	Dec 2015	02 years
39.	Dr. Amit Dubey & Dr. Rajnish Kurchania	Synthesis and Characterisation of Functionalised Ordered Mesoporous Silica Nanocomposites for Advanced Applications	MPCST	4.75/- lacs	Aug 2011	July 2013	02 years

Dean (R&C)