

**NMAMIT, Nitte,**  
**The Office of The Dean (R&D)**

**SPONSORED PROJECTS**

Sl. No	Title of the Project	Funding Agency	Grant Received	Date	Duration	Status	Principal Investigator	Department
1.	<b>Modernization of Down Stream Processing Lab (MODROBS)</b>	AICTE, New Delhi	Rs.11,93,600	24/10/2017	2 Year	On Going	Dr. Vaman Rao C.	BT
2.	<b>Images Enhancement Techniques on Remotely Sensed Satellite Data using Mamdani and Sugeno Fuzzy Inference System</b>	AICTE, New Delhi	Rs.4,35,294	20/8/2017	3 Years	On Going	Dr. Veenadevi S. V.	E&C
3.	<b>Design And Development of Mini Hydraulic Drive System for Robotic Applications</b>	AICTE, New Delhi	Rs.10,17,647	4/08/2017	3 Years	On Going	Dr. Muralidhara	ME
4.	Tool Based Micromachining Research.	Management & KCTU, Bangalore	Rs.77,28,000 Lakhs(38.64 +38.64)	19/07/2017	2 years	On Going	Dr. Muralidhara	ME
5.	Machinebility studies in niti shape memory alloys.	Management	Rs.5,00,000	28/06/2017	3 years	On Going	Dr. Srinivasa Pai P – PI, Mr. Grynel D’Mello– Co-PI	ME
6.	Process design for the optimal production of bioethanol from the	Management	Rs. 59,575	28/06/2017	3 years	On Going	Dr. C V Vaman Rao - PI, Mr. Venkatesh	BT

	byproducts of ongamia biodiesel industry.						Kamath H- Co-PI	
7.	Efficient data transmission over resource constrained wireless networks.	Management	Rs. 1,85,774	28/06/2017	3 years	On Going	Dr. Shivaprakasha- PI Dr. RekhaBhandarkar Co-PI	ECE
8.	Study and to develop cost effective and green masonry block using industrial waste Materials	Management	Rs.4,95,000	28/06/2017	3 years	On Going	Dr. I. R Mithanthaya PI	CE
9.	Design and development of piezoactuator based inchworm drive with macro displacement range and submicrometer positioning accuracy.	Management	Rs.15,00,000	28/06/2017	3 years	On Going	Dr. Muralidhara- PI	ME
10.	Paperless digital evaluation of student answer script	Management	Rs.1,62,000	28/06/2017	3 years	On Going	Dr. Mohammad Javed- PI Dr. Uday Kumar Reddy- Co-PI	CSE

11.	Development of rapid detection kit for the detection of environmental pollutants using biosynthesized Nanopracticles	Management	Rs.14,14,701	28/06/2017	3 years	On Going	Mrs. Sneha Nayak- PI Dr. Shyama Prasad Sajankila – Co-PI Dr. C Vaman Rao– Co-PI	BT
12.	Design and development of 1kw single phase inverter using cascaded bidirectional converters	Management	Rs.9,50,000	28/06/2017	3 years	On Going	Mr. Suryanarayan K- PI	EEE
13.	Ultra wideband microstrip patch antenna for wireless communication	Management	Rs.19,00,000	28/06/2017	3 years	On Going	Dr. Ashish Singh- PI	ECE
14.	Development of corrosion resistant and antimicrobial touch surfaces through layer by layer nano structures zn-ni-tio <sub>2</sub> composite coatings	Management	Rs.13,80,000	28/06/2017	3 years	On Going	Dr. Ramesh Bhat- PI Mr. Vinayaka B Shet– Co-PI	Chemistry & BTE
15.	Strength prediction of alkali activated slag concrete	Management	Rs. 8,53,000	28/06/2017	3 years	On Going	Mr. Mithun B M - PI Dr. Udaya Kumar	Civil

	mixes by accelerated testing						G– Co-PI Dr. Srinath Shetty– Co-PI	
16.	Development of Automatic System for Analysis and Detection of Puberphonia Speech Disorder Using Deep Neural Networks.	Nitte University	Rs.1,70,000	2017	2 years	On Going	Ms. Sarika Hegde	CSE
17.	Technology Based Development of Nitte Mother and Newborn Cohort.	Nitte University	Rs.1,06,000	2017	2 years	On Going	Dr. Mohan Hegde	MCA
18.	Development of Patient Lift System for Justice K S Hegde Charitable Hospital, Deralakatte, Mangaluru.	Nitte University	Rs. 16,000	2017	1 year	On Going	Mr. Melwyn Rajesh Castelino	Mechanical
19.	Development of Trainer Stethoscope	Nitte University	Rs. 15,000	2017	1 year	On Going	Dr. K S Shivaprakash	ECE
20.	CPR Training Device	Nitte University	Rs. 16,000	2017	1 year	On Going	Dr. Rekha Bhandarkar	ECE
21.	Web Solutions for Event and Accommodation Management of different Venues in the	Nitte University	Rs. 15,000	2017	1 year	On Going	Mr. Ananthamurthy	MCA

	Institute Entitled “ Event Management System”							
22.	Web solutions for Calculation of Exam Remuneration for Internal/External Examiners in the University Institute entitled “E-Remuneration”.	Nitte University	Rs. 30,000	2017	1 year	On Going	Mr. Ananthamurthy	MCA
23.	“Web solutions and mobile apps development for community health departments and satellite primary health centres of KSHRC”	Nitte University	Rs. 30,000	28/06/2017	1 year	On Going	Dr. D K Sreekantha Mr. Ananthamurthy	CSE
24.	Expert System design and mobile apps development for prediction of difficulties in airway passing in ICU and operation theatre	Nitte University	Rs.1,80,000	28/06/2017	3 years	On Going	Dr. D K Sreekantha Dr. Sripada G Mehendale (KSHEMA)	CSE
25.	Design and Development of Voltage Drive for Piezo-Hydraulic Pump with Active Valves	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Dr. Muralidhar	ME

26.	'The Connected Farm' Smart Crop Monitoring and Control Using IOT 2016-17.	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Dr. D.K.Sreekantha	CSE
27.	Refurbishing thin film Laboratory.	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Dr. Shivakumar	Physics
28.	Development of Alluminium Doped Cadmium Sulfide Thin Film for Solar Cell Applications.	TEQIP-Phase-II	Rs. 75,000	2016	1 Year	Completed	Mr. Raghavendra Bairy	Physics
29.	Surface Roughness Optimization During High Speed Machining of Biodegradable Magnesium.	TEQIP-Phase-II	Rs. 1,05,330	2016	1 Year	Completed	Dr. Srinivasa Pai P.	ME
30.	Automatic Question Paper Generator And Distributor.	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Mr. Sudeepa K B	CSE
31.	Microwave Assisted	TEQIP-Phase-II	Rs. 70,000	2016	1 Year	Completed	Mr. Vinayaka B. Shet	BT
32.	All Optical Nonlinear Characteristics of Novel Materials for Optical Power	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Dr. Manjunatha K.B	Physics

	Limiting Applications.							
33.	Smart Campus Management System.	TEQIP-Phase-II	Rs. 80,000	2016	1 Year	Completed	Mr. Naveen D Chandavarkar	CSE
34.	Production of Nano Structured Zn-NI Alloy Coatings for Industrial Applications.	TEQIP-Phase-II	Rs. 70,000	2016	1 Year	Completed	Mr. Ramesh Bhat	Chemistry
35.	Embedded System Design for Position Control Dual Actuated System.	TEQIP-Phase-II	Rs. 70,000	2016	1 Year	Completed	Mrs. Prabha Niranjana	E&C
36.	Studies on Applications of Artificial Intelligence, Machine Learning Techniques in Speech Recognition and Speech Disorders problems for Kannada Language Speakers.	TEQIP-Phase-II	Rs. 75,000	2016	1 Year	Completed	Dr. Surendra Shetty	MCA
37.	Design of a Tool for Traffic Data.	TEQIP-Phase-II	Rs. 78,000	2016	1 Year	Completed	Ms. Ashwini B	ISE
38.	Investigation on the Role	TEQIP-	Rs.1,10,000	2016	1 Year	Completed	Dr. Vidya S M	BT

	of L. Rhamnosus Exopolysaccharide on Biofilm Formation and Its Radioprotective Application.	Phase-II						
39.	Optimal Enhancement of Network Lifetime by Using Energy Efficient Communication in Wireless Sensor Networks.	TEQIP-Phase-II	Rs. 70,000	2016	1 Year	Completed	Dr. K.V.S.S.S.S. Sairam	E&C
40.	Investigation on Genome Wide Analysis of Protein Repeats in Pichia Pastoris.	TEQIP-Phase-II	Rs. 57,000	2016	1 Year	Completed	Dr. Bharath B.R	BT
41.	Design and Fabrication of a Multiple Biodiesel Seed Decorticator	NID Ahmadabad	Rs.1,02,500	26/03/2015	1 Year	Completed	Dr. Shashikanth Karinka	MECH
42.	Design Fabrication and Testing of Microump Manufactured using Tool Based Micromachining Process for Drug Delivery System	VGST	Rs. 30,000	28/02/20 15	6 Month	Completed	Dr. Muralidhar	MECH



43.	Nio nanophosphors: Microwave Synthesis, Microstructure and Photoluminescence	VGST	Rs. 4,00,000	07/01/2015	1 Year	Completed	Dr. Aarti S	Chemistry
44.	Attenuation of Pseudomonas aeruginosa virulence by dietary phytochemicals from vegetables as quorum sensing inhibitors	MST New Delhi	Rs.18,40,000	02/05/2014	3 Year	On Going	Dr.Vaman Rao C	BT
45.	Investigation on the role of probiotic exopolysaccharides in the prevention of radiation induced injury.	DAE New Delhi	Rs.22,13,750	17/04/2014	3 Year	On Going	Dr. Vidya SM	BT
46.	Surface Roughness Evaluation of Turned Surface using computer vision system	IE (India)	Rs. 15,000	31/03/2014	1 year	Completed	Dr.Srinivas Pai P	MECH
47.	CSIR Fellowship	CSIR (New Delhi)	Rs.2,36,000	2014	1 year	Completed	Dr.Vaman Rao C	BTE
48.	CSIR Fellowship	CSIR (New Delhi)	Rs.2,36,000	2013	1 year	Completed	Dr.Vaman Rao C	BTE
49.	Biosynthesis of silver and gold	VGST, Karnataka	Rs. 40,000	23/12/2013	1 year	Completed	Dr.Vaman Rao C	BTE

	Nano particles using santalum album							
50.	Modelling and optimization of surface Roughness in Ti-based alloys using vibration monitoring	AICTE, New Delhi	Rs.17,40,000	31/03/2013	3 Year	Completed	Dr. Srinivas Pai P	MECH
51.	Production of bioethanol from underutilized lignocellulosic residues	VGST, Karnataka	Rs.30,00,000	16/03/2013	3 Year	Completed	Dr.Vaman Rao C	BTE
52.	To Promote low power embedded system	FICE, Bangalore	Rs.1,50,000	16 <sup>th</sup> Dec. 2013	24 months	Completed	Dr. Niranjana N. Chiplunkar	CSE
53.	Production of bioethanol and pigments from glycerol-A by product of biodiesel by Rodotorula glutinis	VGST, Karnataka	Rs. 40,000	22/12/2012	1 Year	Completed	Dr.Vaman Rao C	BTE
54.	Embedded control system design for position & tracking control of a prototype actuator	SERB, DST, New Delhi	Rs.16,14,000	20/09/2012	3 Year	Completed	Dr.Muralidhar	MECH

55.	Production & distribution of tissue culture plantlets of banana, Var Grand Naine for the economic empowerment of the rural marginal SC/ST farmers and weaker sections of Udupi District, Karnataka	DBT	Rs.23,01,200	30/3/2012	3Year	Completed	Dr. Vidya SM	BT
56.	Bank Finance for Agro Business : A Case Study in Dakshina Kannada	IIBF, Mumbai	Rs .1,50,000	02/01/2012	1 Year	Completed	Dr. G. V. Joshi	M BA
57.	Study on the impact of the Project in Belthagady Taluk	Sree Kshethrs Dhermasthala Rural Development Projects, Dhermasthala	Rs.90,000	16/06/2011	6 months	Completed	Dr. G. V Joshi	MBA
58.	An evaluation Study of Branchless Banking initiatives of Corporation Bank	Corporation Bank, Bangalore	Rs. 4, 25,000	04/02/2011	1 Year	Completed	Prof. Karnik	MBA
59.	Challenge of Financial inclusion in India. An Empirical Assessment	Ministry of Finance, New Delhi	Rs. 1,50,000	11/01/2011	6 months	Completed	Prof. Karnik	MBA

60.	Expanding Financial inclusion in the North – Eastern States	Ministry of Finance, New Delhi	Rs.2,00,000	11/01/2011	6 months	Completed	Prof. Karnik	MBA
61.	Bio Fuel Research	KSBDB, Govt of Karnataka	Rs. 7,90,000	2011		Completed	Dr.Vaman Rao	BT
62.	Bio Fuel Research	KSBDB, Govt of Karnataka	Rs.10,50,000	2011		Completed	Dr.Vaman Rao	BT
63.	Investigation on machining depth control in microelectro-discharge machining Process using 3 D Process simulation	VTU, Karnataka	Rs.12,40,000	10/12/2010	2 Year	Completed	Dr. Muralidhar	MECH
64.	A Study on Antivenin Property of Root Extract of Coix lachrymajobi for the Treatment of Indian Poisonous Snakes Venoms	DBT New Delhi	Rs.4,81,000	01/12/2010	1 Year	Completed	Dr.Vaman Rao	BT
65.	In vivo studies on + and synergistic radioprotective effect of stem bark extracts of ficus racemosa, madhuca indica and pterocarpus marsupium based on	DAE, New Delhi	Rs.16,16,250	28/05/2010	3 Year	Completed	Dr. Vidya SM	BT

	ethno medical knowledge to cancer treatment							
66.	Gender Subplan Preparation	Udupi Zilla Panchayat	Rs. 30,000	09/12/2009	6 months	Completed	Dr. M S Moodithaya	MBA
67.	Software architecture and program model to enhance the performance of application on multi core platform	Ministry of Science & Technology	Rs.15,98,000	13/10/2009	3Year	Completed	Dr. N Chiplunkar	CSE
68.	Financial Inclusion and beyond Issues and Challenges	Indian Council of Social Science Research, New Delhi	Rs.4,94,500	19/02/2009	15 months	Completed	Dr. M S Moodithaya	MBA
69.	Study and design of algorithms for VLSICAD tool development towards applications involving mutually exclusive modules	AICTE New Delhi	Rs. 4,60,000	30/10/2008	2 Year	Completed	Dr. N Chiplunkar	CSE
70.	Research Projects on Financial Inclusion & Beyond: Issues and Challenges	Sir Ratan TATA Trust, New Delhi	Rs.4,90,000	2008				MBA

71.	Defect Characterization in antifrictionbearing using vibration signal analysis for condition monitoring	VTU Belgaum	Rs.6,50,000	3/10/2008	4 Year	Completed	Dr. Srinivas Pai P/ Dr. N.S.Sriram	MECH
72.	Growth of Optical Crystals, nano crystals, crystals on polymer as substrate for various optical applications	VTU Belgaum	Rs.3,75,000	3 <sup>rd</sup> October 2008	3 Years	Completed	Dr. Sharada G. Prabhu	Physics
73.	Housing Finance in India – A study of cross country experiences	IIBF, Mumbai	Rs.1,50,000	April 17,2008	1 Year	Completed	Dr. M.S. Moodithaya	MBA
74.	Rural Self Employment Program in India: An Appraisal	ICSSR, New Delhi	Rs.2,00,000	February 2004	1 Year	Completed	Dr. M.S. Moodithaya	MBA
75.	Micro Finance & Rural Employment : An appraisal of the potentialities	NABARD, Mumbai	Rs.1,00,000	July 23, 2003	1 Year	Completed	Dr. M.S. Moodithaya	MBA
Total Grant Received			<b>Rs. 4,48,58,180</b>					
Grants received for Projects Completed			<b>Rs. 2,19,04,780</b>					
Grants received for Projects Ongoing			<b>Rs. 2,29,53,400</b>					
Ongoing project			<b>24</b>					
Completed project			<b>49</b>					