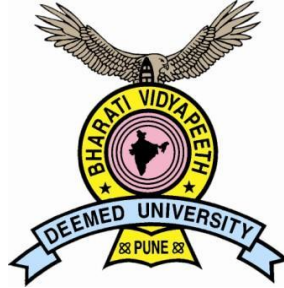


**BHARATI VIDYAPEETH DEEMED UNIVERSITY
COLLEGE OF ENGINEERING, PUNE-43**



Summary of Research Projects/Grants

Sr. No.	Academic Year	No. of Projects	Total Funding
1.	2016-17	29	1,00,45,400/-
2.	2015-16	13	30.59 Lakh
3.	2014-15	04	61.89 Lakh
4.	2013-14	04	12.78 Lakh
Total		50	2,05,71,400/-

ACADEMIC YEAR 2016-17

S r. N o	Name of Principal investigato r	Title of the project	Sponsoring Agency	Date of commence- ment	Date of completion	Total outlay of the project
1.	Prof. Dr. Suhas H. Patil	Survivable Sparse Traffic Grooming Methodologies for Optical WDM Mesh Network for Dynamic Traffic with Load Balancing	TEQIP-II	10/01/2017	Ongoing	Rs.2.98 lakh
2.	Prof. Dr. Milind R. Gidde	Performance Evaluation of Ocimum Sanctum(Tulsi) and Azadirachta Indica(Neem) as Water Disinfectants	TEQIP-II	10/01/2017	Ongoing	Rs.2.96 Lakh
3.	Prof. Dr. Sunita M. Jadhav	Photocatalytic and Sonophotocatalytic Degradation of Organic Pollutants under Visible Light	TEQIP-II	10/01/2017	Ongoing	Rs.2.98 Lakh
4.	Prof. Dr. Salim J. Attar	Studies in waste water treatment with reference to advanced oxidation processes	TEQIP-II	10/01/2017	Ongoing	Rs.2.98 Lakh
5.	Prof. Dr. Deepak S. Bankar	Study of Suitability of Different Generators and its Power Quality Analysis for Wind Power Applications	TEQIP-II	10/01/2017	Ongoing	Rs.2.97 Lakh
6.	Prof. Dr. Vidula Sohoni	Study of Flow Around Bridge Pier	TEQIP-II	10/01/2017	Ongoing	Rs.2.97 Lakh
7.	Prof.Dr. Prakash V. Chavan	Biobutanol: Valorization of Agricultural Waste To Biofuel	TEQIP-II	10/01/2017	Ongoing	Rs.2.99 Lakh

8.	Mrs. Anagha Rahul Soman	Analysis of Dual Stator Cage Rotor Induction Machine	TEQIP-II	10/01/2017	Ongoing	Rs.2.98 Lakh
9.	Mr. Rajesh M. Holmukhe	Development of Ultracapacitor based Electric Vehicle System	TEQIP-II	10/01/2017	Ongoing	Rs.2.99 Lakh
10.	Prof. Dr. Sachin S. Chavan	Fabrication of dye sensitized solar cell using TiO ₂ nanofibres	TEQIP-II	10/01/2017	Ongoing	Rs.2.99 Lakh
11.	Dr. V. R. Thombare	Analysis of availability of water resources by using pythagoras CAD + GIS software	TEQIP-II	10/01/2017	Ongoing	Rs.2.97 Lakh
12.	Dr. Sandip Bankar	INSPIRE Faculty Award	Department of Science and Technology	12/9/2016	Ongoing	Rs. 17.06 Lakh
13.	Paygude Priyanka	Study of challenges in user story estimation using scrum	TEQIP-II	14/10/2016	Ongoing	Rs. 3 Lakh
14.	Dr. P. V. Jadhav	Theoretical and Experimental investigation of rotor bearing system for fault diagnosis using vibration analysis	TEQIP-II	14/10/2016	Ongoing	Rs. 3 Lakh
15.	Sandip Vanjale	Rogue access point detection using multi parameter dynamic feature analysis	TEQIP-II	14/10/2016	Ongoing	Rs. 2.96 Lakh
16.	Vikas Kaduskar	Microstrip patch antennas using high impedance surface for underground wireless applications	TEQIP-II	14/10/2016	Ongoing	Rs. 2.97 Lakh
17.	Kavita Kulkarni	CO ₂ capture using activated carbon made from natural source in a fixed bed reactor.	TEQIP-II	14/10/2016	Ongoing	Rs. 2.98 Lakh

18.	D. G. Kumbhar	Experimental study of heat transfer enhancement of tube in tube type heat exchanger using Dimpled tube and regularly spaced twisted tape	TEQIP-II	14/10/2016	Ongoing	Rs. 3 Lakh
19.	A.A. Shinde	Solar Energy Based Smart Grid System for Department Laboratories	TEQIP-II	14/10/2016	Ongoing	Rs. 2,95,500/-
20.	S. S. Belsare	Visual feedback system for unvoiced high frequency fricative using digital signal processor and its application for hearing impaired persons	TEQIP-II	14/10/2016	Ongoing	Rs. 2.95 Lakh
21.	S. S. Ghule	Synthesis and characterization of materials	TEQIP-II	14/10/2016	Ongoing	Rs. 2.99 Lakh
22.	S. Z. Gawali	Unsupervised Learning Model - A hybrid approach to Plagiarism evaluation Using Multilayer Mapper	TEQIP-II	14/10/2016	Ongoing	Rs. 2,97,200/-
23.	Sagar Nikam	Design based security mechanism for web application	TEQIP-II	14/10/2016	Ongoing	Rs. 2.95 Lakh
24.	S. K. Oza	Design and implementation of low voltage bootstrap switch for ADC	TEQIP-II	14/10/2016	Ongoing	Rs. 3 Lakh
25.	Dr. R. N. Patil	A comprehensive study on supression of induced vibration of gears in single satge gearbox using particle damping method and its effect on energy dissipation	TEQIP-II	14/10/2016	Ongoing	Rs. 2,99,400/-

26.	Rajesh Holmukhe	Power quality analysis of electrical network in Pune region	TEQIP-II	14/10/2016	Ongoing	Rs. 2.96 Lakh
27.	M. J. Patil	Load distribution analysis in hybrid (Bolted and Bonded) joints	TEQIP-II	14/10/2016	Ongoing	Rs.2,97,300 /-
28.	Dr. D. M. Thakore	An assessment model to improve big data quality	TEQIP-II	14/10/2016	Ongoing	Rs.2.98 Lakh
29.	P. R. Devale	English-to-Sanskrit machine translation using rule-based and statistical techniques	TEQIP-II	14/10/2016	Ongoing	Rs. 3 Lakh
Total						Rs.1,00,45,400/-

ACADEMIC YEAR 2015-16

Sr. No	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date/Year of completion	Total outlay of the project
1.	Mr. Naveenkumar Jayakumar	Utilizing video compression and decompression algorithm on video rendering during upload and download time using J2ME RMI	BVDU PUNE	20/5/2015	2016-17	33,000/-
2.	Mr. Sudhir A. Kadam	Android based wireless communication	BVDU PUNE	20/5/2015	2016-17	28,699/-
3.	Mrs. Deepali R. Kulkarni	Effect of permeability of permeable spur on the velocity and the dampening of velocity	BVDU PUNE	20/5/2015	2016-17	35,000/-
4.	Mr. Mahesh J Patil	Load distribution analysis of hybrid (bolted and bonded joints)	BVDU PUNE	20/5/2015	2016-17	30,000/-
5.	Mr. Suyog Subhash Hirve	Single phase ball milling machine and its analysis on super capacitor	BVDU PUNE	20/5/2015	Ongoing	37,460/-
6.	Mrs. Anagha Rahul Soman	Design and development of Dual stator cage rotor Induction machine	BVDU PUNE	20/5/2015	2016-17	30,000/-
7.	Dr. Yogesh J Chendake	Preparation of Ultrafiltration (UF) membranes with high flux and low molecular weight cut off for applications in dairy and pharmaceutical industries	BVDU PUNE	20/5/2015	2016-17	32,000/-
8.	Prof. Amol A.	Design software	BVDU	20/5/2015	2016-17	40,000/-

	Kadam	testing laboratory using functional point analysis and test point analysis (SRGM) for reduces the maintains cost	PUNE			
9.	Dr.Yogesh J.Chendake	Preparation of ultrafiltration of membranes with precise control on pore morphology and permeation characteristics for water treatment application.	TEQIP-II	25/11/2015	Ongoing	2.75lakh
10.	Dr.J.S.Chitode Mrs. M.V. Patil	Dual transform based digital audio watermarking for copyright protection	TEQIP-II	24/11/2015	Ongoing	2.83 Lakh
11.	Dr.K.B.Sutar	Experimental invistigation on performance of four biomass cookstoves	TEQIP-II	25/3/2016	Ongoing	3.00 Lakh
12.	Mr.Nachiket A.Kulkarni	Application of enhancement of CLOUD computing technique electrical grid to improve grid performance	TEQIP-II	25/3/2016	Ongoing	2.70 Lakh
13.	Dr. Sandip Bankar	INSPIRE Faculty Award	Department of Science and Technology	29 /12/2015	Ongoing	16.65 Lakh
	TOTAL	Rs. 30.59 Lakh				

Academic Year 2014-15

Sr. No	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1	Dr. P. V. Chavan	A novel solid-liquid circulating fluidized bed reactor: Hydrodynamic and Mixing studies	Science and Engineering Research Board	14 July 2014	August 2017	Rs. 28.04 lakh
2	Dr. Sandip Bankar	INSPIRE Faculty Award	Department of Science and Technology	28 July 2014	Ongoing	Rs. 19.00 lakh
3	Dr. S.D. Joshi	Design of software Testing Laboratory Using Software Reliability growth Model with concurrent SDLC	UGC Grant	22 December 14-15	Ongoing	11.85 lakh
4	Prof.N.T.Mark and	Computer aided design of circular micro strip patch antenna	TEQIP II	5March 2015	Aug.2015	3 lakh
	Total	61.89lakh				

Academic Year 2013-14

Sr. No	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1	Mrs. S.M. Jadhav	Study of removal /degradation of organic pollutants using hybrid techniques	Project seed money under TEQIP-II	Oct. 2013	Dec. 2014	2.4 lakh
2	Dr. P. V. Chavan	Synthesis using Esterification reaction	TEQIP-II	Oct. 2013	Sept. 2014	2.20 lakh
3	Mr. D. S. Bankar	Study of dynamic behavior of the doubly fed induction generator used in wind power application under grid fault condition	Project seed money under TEQIP-II	Oct. 2013	Jan. 2015	2.98 lakh
4	Mr. S. S. Chavan	Synthesis of Polyimide 66 Nanofibres by using electrospinning method with different densities on the glass fabric to increase the compressive strength of the composite.	DRDO, R&DE	June 2013	June 2015	5.20lakh
	Total	12.78 lakh				

Academic Year 2012-13

Sr. No	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1	Prof. R. N. Patil	Modernization of Metrology and Quality Control Lab	AICTE MOBROBS	Feb 2013	2014-15	13.0 lakh
2	Mr. M. A Kadam	Modernization of Thermal lab	AICTE MOBROBS	Jan 2013	2014-15	13.5 lakh
	Total					26.5 Lakh

Academic Year 2011-12

Sr. No	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1.	Mrs. K. S. Kulkarni	Sequestration of CO ₂ from industrial combined heat and power plant by evolution of solid sorbents as a retrofit technology.	AICTE-RPS	Feb 2012	June 2015	5,30,000/-
2.	Prof P. V. Jadhav	An Experimental analysis of Pulse Electrochemical Machining	Institute of Engineers , India(IEI) – Research and Development Grant	August 2011	August 2012	60,000/-
3.	Prof. D. G. Kumbhar	Heat Transfer Enhancement of a heat exchanger using Dimpled tube and twisted tapes	BVDU Pune	5 th Dec 2011	Dec 2014	50, 000/-
4.	Prof. M. A. Kadam	Heat transfer and geometrical considerations in solar parabolic through collector	BVDU Pune	5 th Dec 2011	Dec 2014	50, 000/-
5.	Prof. V. R. Thombare	Cavitation Spillways	BVDU Pune	3 rd March 2012	Dec 2014	50, 000/-
	Total					7,40,000/-

Academic Year 2010-11

Sr. No.	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1	Dr. A. R. Bhalerao	“Manufacturing of panels of plain and complex shapes using composite materials and Nano Fibers (Electrospinning Method) by VARTM Process”	DMSRD E/ DRDO Kanpur	December 2010	Sept. 2013	10 Lakh
2	Dr. S. H. Patil	Integrated rogue access point detection system in wireless network.	AICTE Research Promotion Scheme	March 2011	March 2013	4.5 Lakh
Total						14.5 Lakh

Grant –in –aid

Name of department involved	Title of the Grant	Sponsoring Agency	Date	Total outlay of the grant
Department of Electronics Engineering for B.E. in Biomedical Engineering	Innovative Programme-teaching and research in Interdisciplinary and emerging areas during X plan	UGC, New Delhi	Feb 2011	Rs. 8,47,282/-
Department of Electronics Engineering for B.E. in Biomedical Engineering	Innovative Programme-teaching and research in Interdisciplinary and emerging areas during X plan	UGC, New Delhi	Feb 2011	Rs. 6,63,050/-
Total			15.1 lakh	

ACADEMIC YEAR 2008-09

Sr. No.	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1	Prof. P.V.Chopade	MODROBS	AICTE	2008-09	Ongoing	5lakh
		Total				5lakh

ACADEMIC YEAR 2006-07

Sr. No.	Name Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1.	Prof. S. T. Patil	High Non-Stationary EEG Analysis Using Wavelets	AICTE-RPS	Aug 2006	Sept. 2007	Rs. 2.15lakh
2.	Prof. S. J. Attar	Studies on Continuous fixed bed adsorption column for the removal of fluoride and Trace organics from groundwater	AICTE-RPS	February 2007	2009-10	Rs.5.75 lakh
3.	Prof. S.J.Attar	MODROBS	AICTE	Feb 2007	May 2009	Rs12 lakh
4.	Prof. Mrs. A. A. Shinde	Fiber Optic sensors in biomedical applications	IEI, Kolkata	June 2006	Dec. 2007	Rs. 50,000/-
5.	Prof. J. S. Chitode	Newspaper reader for blind people	IEI, Kolkata	June 2006	Dec. 2007	Rs.20,000/-
6.	Dr. D. S. Bilgi	Enhancement of surface finish of electrochemically drilled deep hole	DST (SERC scheme)	August 2006	2010-11	Rs. 21.54 Lacks
7.	Prof. S. T. Patil	Brain Computer Interface	AICTE-RPS	February 2007	April 2009	Rs.4. 6 lakh
8.	Prof. S. C. Shilwant	Modernization of Metallurgy Laboratory	AICTE MODROBS	February 2007	February 2008	Rs.5.3 lakh
9.	Prof. H. G. Deshpande	Microprocessor based Phasor Group Testing of Three Phase Transformer	Mahati Electrics	October 2006	March 2007	Rs. 20,000/-
10.	Prof. Mrs. J. V. Satre	Microprocessor controller based traffic control using nail arrangement with FSK	IEI, Kolkata	October 2006	March 2007	Rs. 25,000/-

11.	Hinge.G.V	Conservation of Water in Sprinkler Irrigation Using Irrrometer	Ballal Irrigation Systems	July 2006	May 2007	Rs. 25,000
12.	Prof. H.G. Deshpande	Automation of electrical switches using Micro controller	Institute of Engineers(I) Calcutta	July 2006	April 2007	Rs. 6,800
		Total				52.808 lakh

ACADEMIC YEAR 2005-06:

Sr. No.	Name of Principal investigator	Title of the project	Sponsoring Agency	Date of commencement	Date of completion	Total outlay of the project
1.	Prof. S. B. Wadkar	MODROBS Heat Engines Laboratory	AICTE, New Delhi	July 2005	March 2007	Rs.10.0 Lakh
2.	Prof. Mrs. Veena A. Shinde	Phase Equilibria Studies for Multicomponent Systems	AICTE) (Career Award for Young Teachers)	January 2006	December 2012	Rs.10.5 lakh
3.	Prof. Mrs. V. S. Sohoni,	Modernization of environment engineering laboratory	AICTE, New Delhi	Feb. 2006	December 2008	Rs. 6 lakh
4.	Prof. H. G. Deshpande	Microprocessor controller based traffic control using nail arrangement with FSK	IEI, Kolkata	July 2005	March 2006	Rs. 3400/-
		Total				26.5 lakh

ACADEMIC YEAR 2004-05:**Grant –in -aid**

Sr. No.	Name of department involved	Title of the Grant	Sponsoring Agency	Date	Total outlay of the grant
1.	Department of Electronics Engineering for B.E. in Biomedical Engineering	Innovative Programme-teaching and research in Interdisciplinary and emerging areas during X plan	UGC, New Delhi	Sept 2004	Rs. 29,20,000/-
		Total			29.2 lakh