

Minor Research Projects

Year	Faculty Name	Project Details	Duration	Status	Funding Agency	Funding Amount in Rs.
2011-12	Mehta M.T.	Software Module (Design of Rectangular and Non-Rectangular RCC Columns Using Visual C++)	1 Year	Completed	Department of Science & Technology-IEDC	1,00,000
2012-13	Baxi Jatayu	Software Module for Design of RCC retaining wall using C#	1 Year	Completed	Department of Science & Technology-IEDC	1,00,000
2015-16	Mishra Manish K	Conversion of 1,2,3-trichlorobenzene into valuable chemicals	6 months	Ongoing	Kutch Chemical Industries Limited, Baroda	216000
2014-15	Mishra Manish K	Catalytic route for synthesis of decanonitrile	6 months	Completed	Transpek Industry, Ltd., Vadodara, India	434000
2014-15	Mishra Manish K	Development of efficient micellar media for green catalytic organic reactions	2 years	Ongoing	Gujarat Council on Science and Technology(GUJCOST), Govt. of Gujarat	395000
2013-14	Gandhi Vimal, Mishra Manish K	Study of Photocatalytic Degradation of Organic Compounds from Industrial Effluents	6 months	Completed	Ambarnath Organics Pvt. Ltd., Mumbai	204000
2013-14	Mishra Manish K , Modi Siddharth	Extraction of Sugars from Molasses and Value Addition to Extracted Sugars	6 months	Completed	Department Of Science and Technology, SERC, New Delhi, India, under Innovative Entrepreneurship Development Centre (IEDC)	100000
2012-13	Mishra Manish K , Modi Siddharth	Synthesis of green surfactant (alkyl glycosides) from sugars available in molasses using solid acid catalysts	6 months	Completed	Department of Science and Technology, SERC, New Delhi, India, under Innovative Entrepreneurship Development Centre (IEDC)	100000

2011-12	Mishra Manish K , Sanjeev Kumar	Titanium dioxide coating for hydrophobic and medical applications	6 months	Completed	Department of Science and Technology, SERC, New Delhi, India, under Innovative Entrepreneurship Development Centre (IEDC)	100000
2011-12	Sheth Rutvik K	Design of Reinforces Concreate Column of Varius Shapes as per IS Codes	1 year	Completed	IEDC	100000
2012-13	Sheth Rutvik K	Software Module for Design of RCC Raetaining Wall	1 year	Completed	IEDC	100000
2014-15	Prajapati Rahul N	Software Module for Analysis of Laterally Loaded Piles	1 year	Completed	IEDC	83300
2015-16	Limachia Mitesh	FinFET based SRAM Cell Design	2 years	Ongoing	Gujarat Council on Science and Technology(GUJCOST), Govt. of Gujarat	7,30,000
2015-16	Mehta Prarthan	Design & Development of a Metamaterial Absorber for the Frequency Band of 300MHz-4GHz (UHF band)	2 years	Ongoing	Gujarat Council on Science and Technology(GUJCOST), Govt. of Gujarat	70,000
2014-15	Thakkar Manisk T	“Surface and colloidal study of black board chalks in order to modify them in to dustless chalk”	2 years	Ongoing	Gujarat Council on Science and Technology(GUJCOST), Govt. of Gujarat	315000
2014-15	Thakkar Manisk T	A study on particle engineering & poorly compressible pharmaceutical material by dry particle coating using lab scale mist generator	1 year	Completed	DST-IEDC	100000
2014-15	Dalal Chirag S	A Novel Hybrid Wireless sensor network development system for smart city	1 year	Completed	DST-IEDC	100000
2014-15	Shah Shahank P	Design & Development of Six Minutes Walk Tester”	1 year	Completed	DST-IEDC	100000
2013-14	Dalal Chirag S	Measurement and control of temp using neural network based prediction algorithm for industrial and space application	1 year	Completed	DST-IEDC	100000
2013-14	Thakkar Manisk T	Development of ultra low interfacial tension measurement instrument	1 year	Completed	DST-IEDC	100000
2012-13	Shah Shahank P	Design & Development of “Ultra Low Power Battery Operated Wireless Process Parameter Monitoring System using MSP430”	1 year	Completed	DST-IEDC	100000
2011-12	Shah Shahank P	Design & Development of Project Titled “ Speed & Torque Control	6 months	Completed	DST-IEDC	100000

2011-12	Thakkar Manisk T	Design and Development of Instrument for Measurement of contact angle using NI-LabView Vision software	6 months	Completed	DST-IEDC	100000
2010-11	Shah Shahank P	Design & Development of "Home Automation System using microcontroller"	6 months	Completed	DST-IEDC	100000
2010-11	Dalal Chirag S	PLC Automation application using Micrologix 1200, Allen Bradely	6 months	Completed	DST-IEDC	100000
2011-13	Goswami Mukesh M	Network Device Monitoring and checking system	1 years	Completed	DST Govt. of India under IEDC Program	100000
2015-16	Chhajed Rajendra S	Model Based Measurements of Radiation	2 years	Proposed	UGC	490000