

COMPLETED PROJECTS

Department: Chemical Engineering

Year: 2019-20

Sr.No.	Activities*	Head	Duration	Revenue	Remarks
1	Anchor Institute -	Extension Program	4 years	Rs. 10 crores from Govt. of Gujarat	Imparting manpower training programs to enhance technical skill level in chemical & petrochemical sector in state of Gujarat
2	Center for Surface Science and Nanotechnology	Centre of Excellence	Starting March 2009	Rs. 3.5 crore from Govt. of Gujarat	R&D and consulting in surface science and nanotechnology
3	Community Polytechnic Programs	Extension Program	Starting September 2010	Rs. 71 lakhs, Rs. 20 lakhs capital and three years Rs. 17 lakhs each recurring expenses	Imparting technical courses in agriculture, fertilizers, insecticides, environmental pollution control, etc.
4	M.Tech program in Chemical Engineering – specialization in surface science and nanotechnology	New M.Tech program under Innovative Schemes of UGC	Starting July 2010	Rs. 45.5 lakhs for five years	Imparting M.Tech education in chemical engineering with specialization in surface science and nanotechnology
5	Center for Excellence in Nanocatalysis – Development and Applications	Centre for Excellence R&D program	Starting March 2009	Rs. 28.5 lakhs for three years	Establish centre of excellence in nanotechnology under GUJCOST
6	Young Scientist Award to Dr. Manish Mishra	R&D project	Starting May 2010	Rs. 20 lakhs for three years	Solid acid and base catalyzed reactions R&D project under Department of Science & Technology, New Delhi
7	GSFC Science Foundation R&D	R&D	Starting	Rs. 10.27 lakhs for	Nanotechnology to provide clean

	Award	Project	January 2010	three years	drinking water in developing nations: Poor Man's Filter.
8	Alps Chemicals	R&D project	Starting November 2009	Rs. 2 lakhs	Process development for yellow 11 dye
9	Newraka Chemicals	R&D Project	Starting September 2009	Rs. 5 lakhs	Applications of iron oxide catalyst for green technologies
10	Reena Chemicals	R&D Project	Starting March 2010	Rs. 1.55 lakhs	Separation of toluene sulphonic acids
11	Jani Clays	R&D Project	Starting January 2010	Rs. 2.88 lakhs	Preparation of nanoclays
12	Universal Medicaps	R&D Project	Starting June 2010	Rs. 1.98 lakhs	Preparation of teflon nano-dispersions
13	International Workshop on Surface Science and Nanotechnology	Workshop	February 2, 3, 2010	Grant of Rs. 2.02 lakhs from Govt. of Gujarat; Income of Rs. 1.95 lakhs	Prof. Krister Holmberg from Sweden as main speaker
14	DST-FIST Grant	R&D Projects	Starting July 2011	Rs. 48 lakhs	Environmental treatability set-up, MIMO system, software and computers, lab renovation, balances
15	Industry Founding Members of Center for Surface Science & nanotechnology	Consulting	Starting July 2010	Rs 1.5 crore	Founding members fee
16	International Workshop on Surface Science & Nanotechnology	Workshop	December 19-20, 2011	Grant of Rs. 2.9 lakhs from Govt. of Gujarat.	Prof. Robert Prudhomme from USA as main speaker.
17	Hi-Shine Inks	R&D projects	2011-2014	Rs. 5 lakhs	Ink product development
18	DST-IEDC grant	R&D project	2011-14	Rs 3 lakhs	Agricultural productivity; green surfactants
19	Ambernath Organics	R&D Project	2013-14	Rs. 1.02 lakhs	Environmental Degradation of Organic Wastes
20	Leo Lens	R&D	2012-2015	Rs. 8 lakhs	Contact lens development and drug-

		Project			delivery
21	Asian Paints	R&D Projects	2013-15	Rs. 8 lakhs	New paint products and technologies
22	GUJCOST	R&D Project	2014-16	Rs. 3.6 lakhs	Chalk wettability studies
23	APAR Ind.	Feasibility Study	2017-2018	15,000/-	Feasibility of Hydrogenation of heavy white oil
24	APAR Ind.	Feasibility Study	2018-2019	25,000/-	Feasibility of Hydrogenation of heavy white oil
25	GPCB	R&D	2018-2019	10,00,000/-	Photocatalytic Advanced Oxidation Process for Waste Water Treatment

* Workshop/ R & D/ Testing Work/ Consultancy/Continuing Education Programme (short term course)/Certification