

SSIP Sanctioned Projects

List of Projects Sanctioned during the scrutiny of 03-09-2020 to 08-09-2020

Sr.	Project Title	Lead Student	Faculty	App Cost (Rs.)	Dept.	Status
1	Compact heat exchanger purification tools	Patel S. A.	Prof. D. N. Patel	6410	Mech	Ongoing
2	Displacement trouble of stretcher in infirmary and	Thummar H. K	Prof. N. Z. Patel	30000	Mech	Ongoing
3	Automatic pressurized water pump	Radadiya H. B.	Prof. R. S. Engineer	10000	Mech	Ongoing
4	Amelioration of a bicycle	Gandhi T. P.	Prof. S. K. Patel	25000	Mech	Ongoing
5	Solar pv based wheel chair for bus depot	Patel M. H.	Prof. J. M. Panchal	28000	Mech	Ongoing
6	Modified drill tool design for maximum flexibility application for small scale industries with dimension scale	Badgujar R. S.	Prof. M. P. Chauhan	8375	Mech	Ongoing
7	The algae cleaner	Desai F. N.	Prof. S. V. Damania	42950	Mech	Ongoing
8	Development and performance analysis of double archimedes spiral wind turbine	Modi D. N.	Prof. H. N. Lakdawala	47631	Mech	Ongoing
9	LumbarSpine active Exo-AFI	Intwala Daksh	Prof. M. K. Mistry	49760	Mech	Ongoing
10	Agricultural ATV	Gohil J. D.	Prof. N. S. Patel	48200	Mech	Ongoing
11	Performance analysis and fabrication of conveying mechanism for hydraulic block making machine.	Panchal D. R.	Prof. S. V. Damania	45000	Mech	Ongoing
12	Development of novel hydraulic mechanism for fully automatic block making machine.	Panchal A. P.	Prof. S. V. Damania	49300	Mech	Ongoing
13	Development and analysis of archimedes screw type turbine for rural area and pico hydro application	Saindane D. M.	Prof. H. N. Lakdawala	38850	Mech	Ongoing
14	Purification by moses	Rao D. N	Prof. M. N Chaudhari	55000	Env.	Ongoing
15	Making Bricks and Blocks from Waste Waffer Packets	Patel R. J.	Prof. M. H. Patel	5000	Env.	Ongoing

16	Canvas air cooler	Patel N D.	Dr. B. K. Sheth	25000	Chem	Ongoing
17	Unmanned firefighting and agricultural spraying drone	BassanJasmeet kaur	Prof. A. H. Prajapati	153150	Chem	Ongoing
18	Bio-manure to enhance the yield of farming products	Patel Harley. D.	Prof. H. M. Jariwala	4000	Chem	Ongoing
19	Immunoboostea	Prajapati T. M.	Dr. B. R. Sudani	97360	Chem	Ongoing
20	Production of Bioenergy from industrial and agricultural	Gupta S. S.	Prof. B. M. Pandya	15000	Chem	Ongoing
21	Smart waste energy generation & management system	Suraj Singh	Prof. J. B. Patel Prof. J. D. Patel	16975	Ele	Ongoing
22	Smart irrigation system through canal water	Patel A. M.	Prof. H. S. Wani	16000	Ele	Ongoing
23	Monitoring system of electrical vehicle charging system	Machhi P. P.	Prof. D. N. Tandel	3000	Ele	Ongoing
24	Energy efficient device for charging electrical vehicle on	Shaikh A. M.	Prof. K. L. Mokariya	74000	Ele	Ongoing
25	Automatic crop cutter	Singh N. K.	Prof. N. I. Patel	90000	Ele	Ongoing
26	Protection of agricultural crops from animals	Patel P. M.	Prof. K. L. Mokariya	24000	Ele	Ongoing
27	Minimize the fatal damage to vehicle and reducing injuries to	Patel R. A.	Prof. D. T. Barot	28000	Civil	Ongoing
28	Ai expert assistant for is :1893	Panchal K. R.	Dr. V. S. Purani	35000	Civil	Ongoing
29	Calculation of Flat slab design according to IS code by using	Prajapati B. S.	Prof. V. D. Patel	12500	Civil	Ongoing
30	Development of an android application to provide RCC detail	Mehta A. K.	Prof. H. K. Rana	25000	Civil	Ongoing
31	The application of Bacterial self-healing concrete as crack repair	Patel D. N.	Prof. S. H. Mistry	6600	Civil	Ongoing
32	Recycling sugarcane bagasse ash and industrial wastes for the	Patel V. P.	Prof. H. K. Rana	12000	Civil	Ongoing
33	Smart pothole filler machine	Patel R. R.	Prof. D. T. Barot	75000	Civil	Ongoing
34	Developing an application for building plan using artificial	Vadaliya H. J.	Prof. D. J. Patel	20000	Civil	Ongoing
35	Intelligent Mixing of Concrete	Patel P. M.	Prof. D. J. Patel	9500	Civil	Ongoing
			Total	Rs. 1231561/-		

List of Projects Sanctioned during the scrutiny of 05-11-2020

Sr.	Project Title	Lead Student	Faculty Guide	App Cost (Rs.)	Dept.	Status
1	Design and Development of internal heat exchanger for MAC with R123YF as a group drop	Patil Bhatu R	Prof. B. K. Patel	44300	Mech	Ongoing
2	Development of automatic robot for floor cleaning and sweeping	Patel Darpan D.	Prof. R. C. Malan	7370	ASH	Ongoing
			Total	Rs. 51,670/-		

List of Projects Sanctioned during the scrutiny of 06-11-2020

Sr. No.	Title of the project	Lead Student	Faculty Guide	Approx. Cost (Rs)	Dept.	Status
1	Portable thermo electric cooling kettle	Khushal Italia	Dr. B. R. Sudani Dr. K. L. Mokariya Dr. N. M. Patel	26000	Chem	Ongoing

Current Status for the year 2020-21

- **Total funded projects during the year 2020-21: 38**
- **Total amount sanction for PoCs during the year 2020-21: Rs. 1309231/-**