

Navrachana University Seed Grants

Sr. No.	Name of the Investigator	Title of the project	Time Duration	Amount sanctioned (Rs.)	Funding Agency
1	PI: Dr. Prakruti Shah Co-PI: Dr. Rahul Soni	Experimental and Simulation Analysis of Standalone Microgrid System with Renewable Energy Sources	28th August 2025 to 27th August 2027	2,25,000/-	Navrachana University, Vadodara
2	PI: Dr. Shardav Bhatt Co-PI: Prof. Aashish Jani	Algorithmic Enhancements for Improved Automated Electrocardiogram (ECG) Interpretation for Accuracy and Reliability in Portable ECG Devices	28th August 2025 to 27th August 2026	90,000/-	Navrachana University, Vadodara
3	PI: Dr. Sumit Bhawal Co-PI 1: Dr. Dharmesh Varade Co-PI 2: Dr. Ankita Doshi	Design and Development of Ricinoleic-based Targeted Nanostructures for Precision Oncology	28 th August 2025 to 27 th August 2027	3,60,000/-	Navrachana University, Vadodara
4	PI: Dr. Jagruti Rathod	Population Ecology of four-horned antelope (Tetracerus quadricornis) at Jambughoda Wildlife Sanctuary, Panchmhal district of Gujarat state	28th August 2025 to 27th February 2027	2,05,400/-	Navrachana University, Vadodara
5	PI: Dr. Sandeep Patil Co-PI: Dr. Sumit Bhawal	Physicochemical Studies and Applications of Surfactants derived from Renewable Resources	28th August 2025 to 27th August 2027	4,25,000/-	Navrachana University, Vadodara
6	PI: Dr. Amit Patwa	Supramolecular Self-assemblies from Oligonucleotide Amphiphiles: Design, Synthesis, Characterization, and Biomedical Applications	28 th August 2025 to 27 th August 2027	5,00,000/-	Navrachana University, Vadodara
7	PI: Dr. Khushali Upadhyay Co-PI: Dr. Foram Patel	Possible Identification and Screening of Biomarkers in Saliva of Breast Cancer Patients using Untargeted Metabolomics: A Cohort Study	28 th August 2025 to 27 th August 2027	4,31,000/-	Navrachana University, Vadodara
8	PI: Dr. Dipali Pandya Co-PI: Dr. Viren Parikh	Manufacturing and Characterization of Diamond-impregnated Cutting Tool by Powder Metallurgy Routes	6th August 2024 to 5th August 2025	76,600/-	Navrachana University, Vadodara
9	PI: Dr. Saloni Pandya Co-PI: Ms. Monika Shah	Geoenvironmental Characterization of the Extent and Impact of Saltwater Ingress on Groundwater Quality and Soil Characteristics	6th August 2024 to 5th August 2026	3,55,000/-	Navrachana University, Vadodara
10	PI: Dr. Parth Pandya Co-PI: Dr. Monisha Kottayi	Insect Pest-Host Plant Response: Decoding the Active Players Under Biotic Stress	6th August 2024 to 5th August 2026	4,90,000/-	Navrachana University, Vadodara
11	PI: Mr. Vishwesh Pathak	An Inquiry into the Historic Drainage Network of the Old City of Vadodara	6th August 2024 to 5th August 2025	1,40,000/-	Navrachana University, Vadodara
12	PI: Prof. A.V. Ramchandran Co-PI: Dr. Darshee Baxi Co-PI: Dr. Parth Pandya	Understanding the Molecular Ecology of Regenerative Non-scarring Wound Healing during Tail Regeneration of House Gecko	6th August 2024 to 5th August 2026	5,00,000/-	Navrachana University, Vadodara

13	PI: Dr. Elizabeth Robin Co-PI: Dr. Darshee Baxi	In depth screening of Opuntia elatior and Curcuma caesia for their phytochemicals and evaluation of their phytotherapeutic potential against Non alcoholic fatty liver disease using in vitro analysis	8th December 2023 to 31st March 2025	1,30,600/-	Navrachana University, Vadodara
14	PI: Dr. Dharmesh Varade Co-PI: Dr. Sandeep Patil	Hierarchical Self-Assembly of Novel Mixed Surfactants: Prospective Approach for Tailoring Antimicrobial Properties	26th August 2023 to 25th August 2025	2,00,000/-	Navrachana University, Vadodara
15	Dr. Viren Parikh	Performance Enhancement of Bimetallic Weld Joints by Reducing Brittle Intermetallic Compounds: Applications in Battery Manufacturing	26th August 2023 to 31st January 2025	62,000/-	Navrachana University, Vadodara
16	PI: Dr. Jeetendra Salunke Co-PI: Dr. Brijesh Shah	Development of Novel Green Catalytic Processes by Zirconia Based Mixed Metal Oxides.	26th August 2023 to 25th August 2025	2,00,000/-	Navrachana University, Vadodara
17	PI: Dr. Niyati Patel Co-PI: Ankita Sharma	Effectiveness of Atmanirbhar Bharat Abhiyaan with reference to communication strategies and Women Employability in Gujarat	26th August 2023 to 31st March 2025	93,000/-	Navrachana University, Vadodara
18	Ar. Priyanka Kanhare	Project Cardiogram: Manifestation of living natural system (case of Vishwamitri river)	26th August 2023 to 25th January 2026	1,15,000/-	Navrachana University, Vadodara
19	Dr. Sneha Joseph	Probing the phylogenetic relationship of the marine microbial communities to understand their genetic variations and relationship with the marine macrofaunal group along Koliyak coast (Gujarat)	26th August 2023 to 31st December 2024	1,22,000/-	Navrachana University, Vadodara
20	PI: Dr. Rabinchandra Singh Elangbam Co-PI: Dr. Ketan Kothadia	Income Scenario and Social Protection Accessibility of Informal Workers in the City of Vadodara	26th August 2023 to 31st March 2025	1,05,000/-	Navrachana University, Vadodara
21	Dr. Krutika Abhyankar	Bioactive properties of germinated Lablab purpureus (L.) Sweet as a therapeutic for hypertension.	14th October 2022 to 13th April 2024	1,20,000/-	Navrachana University, Vadodara
22	Dr. Monisha Kottayi	Studies on the biological effect of chitosan on defense gene expression in Triticum aestivum L	14th October 2022 to 13th October 2024	1,84,000/-	Navrachana University, Vadodara
23	Dr. Brijesh Shah	Exploring the use of Metal Phosphonates as Metal Organic Framework (MOF) in the field of Catalysis and Ion Exchange	14th October 2022 to 31st March 2025	2,00,000/-	Navrachana University, Vadodara
24	PI: Dr. Denni Mamen Co-PI: Dr. Darshee Baxi	Structure-activity relationship of various flavonoid classes: An in-depth study	14th October 2022 to 28th February 2025	1,80,000/-	Navrachana University, Vadodara

25	PI: Dr. Anupama Dave Co-PI: Dr. Priyanka Behrani	Unveiling the awareness level and Hesitance for Adoption of Menstrual Cups among Employed Women in the State of Gujarat	14th October 2022 to 13th October 2024	1,05,000/-	Navrachana University, Vadodara
26	Mr. Ravi Sevak	Investigation in to Microwave Processing of Polymer Matrix Composites for Structural Applications	14th October 2022 to 31st March 2025	1,28,000/-	Navrachana University, Vadodara
27	Dr. Payal Desai	On Evaluation of critical buckling load of a beam using a generalized novel computer methodology	14th October 2022 to 13th October 2025	3,00,000/-	Navrachana University, Vadodara
28	Dr. Tejal K. Gajaria	Role of heterostructural ulvanobiuronic acids into modulating oxidative stress mediated damage into essential probiotic strains (<i>Lactobacillus rhamnosus</i> and <i>Bifidobacterium</i> sp.)	1st April 2022 - 31st March 2024	2,00,000/-	Navrachana University, Vadodara
29	PI: Dr. Vaibhavi Gawarikar Co-PI: Dr. Lipi Buch	Impact of Critical Thinking on Neural Behaviour	1st April 2022 to 30th September 2023	1,09,500/-	Navrachana University, Vadodara
30	PI: Dr. Ankita Doshi Co-PI: Dr. Parth Pandya	Identification of the novel Quorum Sensing Inhibitor from Butea monosperma Leaf and Gum extract against <i>Serratia marcescens</i>	22nd March 2022 to 30th September 2023	1,00,000/-	Navrachana University, Vadodara
31	Dr. Pallavi Ghalsasi	Electric Field Induced Convection in Dielectric Fluids	18 May 2015 to 31 March 2017	1,00,000/-	Navrachana University, Vadodara
32	Dr. Darshee Baxi	Possible modulating role of melatonin underlying oligodendrocyte progenitor migration	July 2015 to June 2016	1,00,000/-	Navrachana University, Vadodara