

Department of Science and Technology  
List of Student Project selected for funding 2008-09

S.No.	Region	Subject	Topic	Name of Student	Proposed amount
1	Bikaner	Agriculture	Integrated Nutrient Management in Pearl millet under Arid Western Plain of Rajasthan	Pushpendra Singh	10,000/-
2	Kota	Biotechnology	Genotoxicity evaluation of RUIDP established waste water treatment plant in Kota	Amit Jain	8000/-
3	Bikaner	Biotechnology	Isolation of ots gene involved in trehalose synthesis from metagenome of sand dunes	Ms. Meeruta Sharma	12000/-
4	Kota	Biotechnology	Production of PHB (bioplastic) using bio-effluent as substrate by Alcaligenes eutrophus	Neelima Jain, Leena Nagar	15000/-
5	Ajmer	Biotechnology	In-vitro study of antidermatophytic activity of Brittle gum (Eucalyptus mannifera), Mint (Mentha piperata) and Onion (Allium sepa) against Trichophytum rubrum and Microsporum canis	Avinash Marwal, Surendra Meena	15000/-
6	Bikaner	Biotechnology	Study effect of microwaves on seed germination and growth in coriander and fennel	Ms. Shruti Godara	12000/-
7	Ajmer	Biotechnology	Reclamation of Metal Contaminated Waste Lands using Phytoremediation and PGPRS	Ms. Ridhi Singh	9000/-
8	Bikaner	Biotechnology	Mycorrhizal Technology for Removal of Heavy Metal Toxicity from Soil.	Ms. Nidhi, Ms. Madhuri Joshi, Ms. Yamini Bharti, Ms. Anjali Rai	15000/-
9	Bikaner	Botany	Isolation and Cloning of Anti Fungal Protein Osmotin Gene in Cotton Cultivars in vivo and Tissue Culture	Sipia Singh	9000/-

10	Ajmer	Botany	Comparative Toxicity of Fluoride in Plant and Animal Model and Role of Diet in its Mitigation	Deepali Sharma	15000/-
11	Bikaner	Botany	Isolation and Amplification of Gene Responsible for Synthesis of Gossypol - An Antifertility Agent in Callus Tissues of Cotton Cultivars	Arjit Chaturvedi	9000/-
12	Bikaner	Chemistry	Portable Ozone Generator	Ashish Rohil	13000/-
13	Bikaner	Chemistry	Gainful Utilization of Marble Slurry as an Adsorbent for SO <sub>2</sub> Gas and its subsequent conversion to Gypsum	Prabhav Joshi	14600/-
14	Jodhpur	Chemistry	Water Purifier by Ozone (O <sub>3</sub> )	Imran Khan, Gaurav Bhandari, Aastha Sharma	7000/-
15	Jodhpur	Chemistry	Water purification using Reverse Osmosis Technique	Kshitiz Saurabh, Amit Choudhary, Abhisek Sharma	13250/-
16	Udaipur	Chemistry	Studies in free radical polymerization characterization and biological activity of some new high performance aromatic maleimides	Rajesh Boriwal	10000/-
17	Bikaner	Civil	Need for Retrofitting of Buildings in Bikaner	Pankaj Kumar, Vijay Kumar Jangir Sanwarmal Choudhary, Vinita Sukhani, Rajendar Kumar Meena, Sunil Kumar, Sandesh Goswami, Rohit Vyas, Lav Mudgal, Shyam Sunder Acharya	11000/-
18	Jodhpur	Computer	USB to USB Connector	Peeyush Maurya, Vikas Chhajer, Vipin Verma	8700/-
19	Jodhpur	Computer	e-Pathshaala	Mehul Mehta, Manish Verma	8200/-

20	Udaipur	Computer	ERP for Educational Institution	Rohit Kumar Singhal	8900/-
21	Jodhpur	Electrical	Development of Fault Identification Trainer	Sachindra Singh Dhoot	9000/-
22	Jodhpur	Electronics	Micro Controller based Drip Irrigation System fo Arid and Semi-Arid Zones	Sonia Nath, Shishir Maheshwari, Shashank Prakash Mathur, Suresh Bishnoi	11000/-
23	Jodhpur	Electronics	Semi Autonomous Multifunctional Robot	Gaurav Bhandari, Jayanti Dadhich, Aastha Sharma, Imran Khan	12490/-
24	Jodhpur	Electronics	Generation of Electricity by Wind Power for Locomotives	Durgesh Singhal, Mayank Kr. Sharma	10000/-
25	Jodhpur	Environment	Development of a Web based spatial decision support system for ground water quality monitoring	K. Narendra Verma	13500/-
26	Ajmer	Environment	Assessment of teratogenicity and embryotoxicity of sludge from sanganer tye - dye industries in swiss albino mice	Sita Sharma	11000/-
27	Bikaner	Home Science	Prospects of Value Addition to date palm fruit	Vaishali Soni	8000/-
28	Bikaner	Home Science	Clinical and Development Aspects of Pearl Millet Based Product to Combat IDA	Ms. Tanu Shree Singh	6000/-
29	Udaipur	Home Science	Construction of Computer Tailored Application Software on Non Communicable Diseases	Ms. Renu Paliwal	7000/-
30	Udaipur	Home Science	Development and Evaluation of Applicaion Software on Weight Management and Physical Fitness	Ms. Richa Soni	7000/-
31	Kota	Home Science	Realizing 'nutritive' and 'therapeutic' potential of 'Bittergourd' (Momordica charantia) through product development endeavour	Akanksha Raj	10000/-
32	Jodhpur	Mechanical	Integration of Solar and Gas Geyser System	Tarun Jangid, Kuldeep Singh Chouhan, Pankaj Mathur	10000/-

33	Jodhpur	Mechanical	Hybrid Engine (Water as Fuel)	Mohit Mehta, Ravi Kant Arya, Vipin Kuridia, MD. Sohail Bhati, Mahak Agarwal	10000/-
34	Ajmer	Medical	Phylogenetic analysis of HEV isolates related to FHF patients	Miss Nidhi Singh	14000/-
35	Kota	Microbiology	Study of acne in college going girls and antimicrobial activity of extracts from garden plants	Avneet Kaur	9000/-
36	Kota	Pharmacy	To check the antibiotic activity of synthetic drug	Drugesh Saini	10500/-
37	Ajmer	Textile	Japanese Motifs: A New Design Perspective in Textiles	Arti Sharma	13000/-
38	Bikaner	Veterinary Science	Efficiency of utilization of bakery waste as an energy source with or without 67supplementation of acidifier in the ration of broiler chicks	Gujrathi Praveenkumar	10500/-
39	Kota	Zoology	The evaluation of Neuroprotective effect of synthetic drugs and antioxidants vitamins C and E against Fluoride induced neurotoxicity in suitable animal model	Piyu Sukhwal	13000/-
40	Kota	Zoology	Impact of human activities on drinking water in relation to water borne diseases at Kota	Minaz Khan	15000/-