

Students selected for the Research Award/ Medal, 2016 -17
Award ceremony is on July 15, 2017
Venue: XICA Auditorium; Time: 11.00 am

No	Name of The Student	Title of The Project	Status
English			
1	Nishi Umesh Patel	Death note: Light Yagami's double standards and its relation to L's death.	Medal and Certificate And Mr. Donald Marks prize for Excellence in Research in English
Economics			
2 3	Gargie Paliwal Sahasini Rathore	Transnational natural gas pipeline transportation in India	Medal and Certificate And Lt Madhuben J Patel prize for Excellence in Research in Economics
Sanskrit			
4	Radha Mehta	Vaishnav Jan path thadha srinad bhagavat geeta: Tulanatmak adyayan	Medal and Certificate And Mr Shital Patwa prize for Excellence in Research in Sanskrit
Botany			
5	Dipak Kharadi	Study of some ethnomedicinal plants of Dungarpur Taluka (Rajasthan)	Medal and Certificate Doshi Chemicals Pvt Ltd Prize
6	Shivangi J. Shah	Carpology (Seed Collection) of the Bhil Vasava tribes, Dediapada, Gujarat	Medal and Certificate
Statistics			
7	Malav M Joshi	An inventory model of repairable items with exponential deterioration and linear demand rate	Medal and Certificate And Mr Aldwyn Dias prize for Excellence in Research in Statistics
8	Kareeshaa Shah	A two warehouse inventory model with Weibull and pareto type-1 deterioration and power demand	Medal and Certificate
9	Saloni Thakkar	Study on consumer's perception towards online shopping	Medal and Certificate
10	Gajjar Mahek N	Impact of demonetization on Ahmedabad	Medal and Certificate
Biochemistry – Biotechnology			
11 12	Anoshi Patel and Disha Vora	Assessment of Indolic derivatives produced by Rhizospheric Fungal isolates	Medal and Certificate And Mr Nilesh Patel prize for Excellence in Research in Biotechnology

13 14	Devika Kurup and Shaili Jani	A Study on Genotoxic and Anti-proliferative effects of Herbal drugs on <i>S. cerevisiae</i> and <i>S.pombe</i>	Medal and Certificate And Mr Harshad Shah prize for Excellence in Research in Voc. Biotechnology
15	Poorna Shah	Effectiveness of Biostimulants on Soil Health and growth of <i>Vigna mungo</i>	Certificate and Mr Jayantibhai Patel prize for Excellence in Research in Biochemistry
16 17	Jesal Jani and Simran Nasra	Comparative studies of Antioxidant properties of <i>C. roseus</i> , <i>E.alsinoides</i> and <i>Glycyrrhia glabra</i>	Medal and Certificate
18	Sanchita Panch	Studies on Dye Discolouration by Fungal Isolates obtained from dye effluent soil	Medal and Certificate
Physics			
19 20	Reshma Nair Nisarg Vyas	Study of ion source and calculation of photons emitted at the end of fiber optics cable Application of RC differentiator Circuit to measure electron energy distribution function in plasma	Medal and Certificate Mr Krishnakumar Vijh prize for Excellence in Research in Physics/electronics
21 22	Grishma Pindoliya Divyang Prajapati	Study of ion source and calculation of photons emitted at the end of fiber optics casle A MATLAB code for magnetic field calculation due to arbitrary, straight and circular electromagnetics.	Medal and Certificate Lt Mr Peter Gabriel Jadav Prize for excellence in Research in Physics
23 24	Pratyay Chattopadhyay Himanshi Sharma	Miniature rogowski coil comparison between single and bifilar miniature rogowski coil. Study of discharge current transition in reflex plasma source.	Medal and Certificate And Lt Mr Peter Gabriel Jadav Prize for excellence in Research in Physics
25 26 27	Meet Patel Ravi Sangani Shreya Desai	Quantum mechanical theoretical approaches to understand material properties. Study of 14 MeV neutron generator Application of different cooling schemes at large scale cryo-systems	Medal and Certificate And Mr Manish J Patel prize for Excellence in Research in Physics
28 29 30	Hardi Parmar Nitin Sharma Damini Motwani	Study of static heat loads at cryo-temperatures from ambient Study of 14 MeV neutron generator Understanding capacitively-coupled radio frequency plasma	Medal and Certificate and Mr Nadeemahmed Jafri prize for Excellence in Research in Physics
Maths			
31	Shweta S Gohil	Image compression using singular value decomposition	Medal and Certificate

			And Mr Tushar J Patel prize for Excellence in Research in Mathematics
32	Munazza S Payawala	Volume of some higher dimension surfaces	Medal and Certificate And Mr Hiten Shah prize for Excellence in Research in Mathematics
33	Pooja S Joshi	Pascal's Traingle and its pattern	Medal and Certificate
Chemistry			
34	Yug Jadav	Synthesis and study of reduced Graphene – Silver nanocomposites	Medal and Certificate
35	Sarangi A Kothari	Thiazole – Azo – Calix {4} Resorcinarene:A novel host for mercury ions	Medal and Certificate
36	Abhishek R Pipaliya	A study of phytochemical investigation, pharmacological screening along with antidiabetic and antioxidant property of <i>Scaveola Taccada</i> (Gaertn) Roxb. Leaves.	Medal and Certificate And Mr Nilesh Patel prize for Excellence in Research in Chemistry
37	Aashul Mehta	The chemistry of Schiff base containing aminothiazole and their transition metal	Medal and Certificate
38	Mansi Porwal	Microwave and Solvent exfoliation of graphite to graphene	Medal and Certificate And Jayshree Enterprises prize for Excellence in Research in Industrial Chemistry
39	Achal Patel	Synthesis and characterization of silver and copper nanoalloys	Medal and Certificate
40	Sushma Sheoran	Synthesis, characterization and study of property of Tin and Copper Nanoalloy	Medal and Certificate
41	P. Debyashree Patra	Synthesis and applications of a novel thiazole derivatized resorcinarene	Medal and Certificate And Mr Harshad Shah prize for Excellence in Research in Chemistry at MSc Level
42	Khyati Bhatt	Identification of Luetin from <i>Tagetes Erecta</i> L.and its antioxidant properties	Medal and Certificate
Zoology			
43	Namrata Varshney	Evaluation of ameliorative potential of quercetin on deltamethrin induced chromosomal aberrations in human peripheral blood lymphocyte cultures	Certificate And Mr Harshad Shah Prize for Excellence in Research in Zoology
44	Uzma Contractor	To evaluate the toxicological consequences of cypermethrin on human chromosomes and its mitigation by quercetin under <i>in vitro</i> conditions.	Certificate And Mr Harshad Shah Prize for Excellence in Research in Zoology

45	Bruhad Dave	The use of chimeric viral particles against various pathogens and the generation of immune memory by the same	Medal and Certificate
46	Zaraa M Malvat	Post traumatic behavior in Dogs	Medal and Certificate
Computer Sciences			
47	Soni Hrim Ajaykumar	Attendance system based on RFID, Microcontroller 8051 & Microsoft Excel	Medal and Certificate And Mr Aldwyn Dias Prize for Excellence in Research in Computer sciences
48	Shaun Pant	AI Steve Jarvis and OS Plasma	Medal and Certificate
49	Harsh Palod	Dream Tactics	Medal and Certificate

Based on the following guidelines, the projects were screened and status was decided by the subject experts

1. Hypothesis driven study is to be carried out
2. There has to be clear methodology, result and discussion
3. No cutting and pasting from internet
4. Original work and photographs
5. Acknowledge contributions of others in the work
6. Avoid insignificant figures, data, graphs etc. and include ONLY significant result to substantiate your hypothesis
7. Maintain quality, gender balance, equal opportunities
8. Except for the laboratory expenses (chemicals, special glasswares/equipment/instruments) & library facilities, all other expenses viz., travelling expenses, report-writing material/expenses, etc. will have to be borne by the research student him/herself. Students cannot bunk lectures/practicals for doing their research work.
9. Selected student must be regular to college and should have explicit research capabilities
10. Scrutinizing committee's decision is final