

**St. Xavier's College (Autonomous), Ahmedabad-09**  
**Selection of Research Student for 2017-18**

S.R. No.	Roll No.	Name the Student's	Name of the Guide	Topic	
<b>Botany Department</b>					
1	16-BO-608	Dhruva Jani	Dr Rashmi Yadav Dr. Fr. Lancelot D'Cruz	Study and Documentation of Fruits and Seeds at St. Xavier's College center	Medal and Certificate
2	16-BO-606	Brijal Gamit	Dr. Fr. Lancelot D'Cruz	Study of Some Ethnomedicinal Plants used by the Gamit tribals in South Gujarat.	Medal and Certificate
3	16-BO-622	Riti Shah	Dr. Fr. Lancelot D'Cruz	Pathological diseases of cereal plants cultivated in Kakrapar region of Tapi district	Medal and Certificate
4	16-BO-613	Heli Sandipbhai Oza	Dr. Fr. Lancelot D'Cruz	Spatial-temporal variation of vegetation condition in Gujarat using remote sensing based NDVI data.	Ms Nutan Krishnakumar Vijh prize for Excellence in Research in Botany, Medal and Certificate
<b>Biochemistry-Biotechnology Department</b>					
5	15 BC 810	Naisargi Patel and Priyamvada Rathaur	Ms. Sonal Thakur Dr. Sudeshna Menon	A study of the effect of Gallic acid and Triphala extract on mutant <i>Schizosacchraomyces pombe</i>	Mr Jayantibhai Patel prize for Excellence in Research in Biochemistry, Medal and Certificate
6	15 BC 903	Hrimkar Buch and Shrey Parikh	Ms. ShitalDoshi	Comparative analysis of concentrations of ROS and Catalase enzyme activity of non-leukemic and leukemic whole blood	Mr Nilesh Patel prize for Excellence in Research in Voc.Biotechnology, Medal and Certificate
7	15 BC 953	Milee Makwana and Saishree Iyer	Dr. Sudeshna Menon	A study of oil degrading bacteria	Mr Harshad Shah prize for Excellence in Research in Voc Biotechnology, Medal and Certificate
8	15 BC 913 15 BC 910	Anushka Oza Simran Kabbani	Dr Dweipayan Goswami	Assessing the production of Chitinase in various Fungal strains of Aspergillus and Trichoderma Spp. And determining their bio-control activity	Medal and Certificate

Chemistry Department					
9	17- PCH-I-07	Krishnapalsinh Jadeja	Mr. D.V. Katara	Microwave and solvent exofoliation of graphite to graphene and synthesis of graphene oxide by chemical oxidation	Mr Harshad Shah prize for Excellence in Research in MSc Chemistry, Medal and Certificate
10	M.Sc. Sem-I-03	Brijesha K Shah	Dr Pranav Trivedi	Synthesis characterization and study of catalytic property of silver nanoparticles	Medal and Certificate
11	S.Y. Sem-3-CH-1020	K Rinu Rajan	Dr. PranavTrivedi	Synthesis characterization and application of silver and copper nanoparticles and its nano-alloys	Medal and Certificate
12	S.Y. Sem-3-CH-1028	Bhumika A. Sharma	Dr. Uma Harikrishnan	Nickel oxide nanoparticles and its interaction with lysine	Medal and Certificate
13	S.Y. Sem-3-CH-1010	Deveen Hirapara	Dr. Malika Sanyal	Study of reactivity of different aldehydes in synthesis of calixarene	Medal and Certificate
14	S.Y. Sem-3-CH-1022	Misbah Pothigara	Dr. Nirmal Desai	Photocatalytic degradation of polyethylene films using zinc oxide nanoparticle	Mr Nilesh Patel prize for Excellence in Research in Chemistry, Medal and Certificate
15	S.Y. Sem-3-IC-116	Maitri Jain	Dr. Divya Gangal	Synthesis of metal amino acid complexes and its antimicrobial properties	Medal and Certificate
16	S.Y. Sem-3-IC-119	Akashkumar P. Patel	Dr. Devang Pandya	A study of light fastness property and degradation efficiency of some newly synthesized metal complex dyes	Jayshree Enterprises prize for Excellence in Research in Industrial Chemistry, Medal and Certificate
17	S.Y. Sem-3-IC-126	Nilakanth Patel	Ms. Disha Khetani	Synthesis of inorganic and organic pigments	Medal and Certificate
Physics-Electronics Department					
18	16-PH-0329	NamanVohra	Dr. M.M. Kundu	Simulation of electromagnetic wave propagation in dielectric and metamaterials	Medal and Certificate
19	16-PH-317	Akshaykumar M. Patel	Dr. Sejal Shah	Quantitative, analytical and experimental x-ray measurement during electrical experiments	Medal and Certificate
20	16-PH-384	Neel Vadodaria	Dr. M.M. Kundu	Study of plasma oscillation and Landau dumping using Particle-in-Cell simulation	Medal and Certificate
21	16-PH-308	Abhishek Jhala	Dr. SanjeevVarshney	Study of Thermionic emission from Thoriated tungsten filament	Medal and Certificate

22	16-PH-370	Ninaad Desai	Dr. K. K. Mohandas	A study in plasma characteristics and plasma ion propulsion	Mr Manish Patel prize for Excellence in Research in Physics, Medal and Certificate
23	15-PH-376	Lakshminarayan Sharma		Local cooling produced by a regional dust storm event over Ahmedabad	Mr Nadeemahmed Jafri prize for Excellence in Research in Physics, Medal and Certificate
24	16-BC-807	PrashstiChadha	Dr. Rajesh Iyer	Assessment of particulate matter for st Xavier's College Ahmedabad	Medal and Certificate
25	16-PH-358	Gajjar Niyati	Dr. Sanjeev Gupta	Theoretical understanding of two dimensional lithium monolayer and absorption of halogen atom	Mr Krishnakumar Vijn prize for Excellence in Research in Physics/ Electronics, Medal and Certificate
26		Harish Sen	Dr. Rajesh Iyer	comparison of AOD over Ahmedabad city using satellite and ground data	Medal and Certificate
27		Deenganesh Mali and Ashvin Mali	Dr Jaydeep Ghosh	study of inductance of 'straight wire ' and derivation of inductance of 'circular loop'	Medal and Certificate
<b>Statistics Department</b>					
28	ST- 438	Sneha Singh	Dr. U. B. Gothi	EOQ model for deteriorating and ameliorating items with price dependent demand and partial backlogging	Medal and Certificate
29	ST-525	Dhwani Pandya	Dr. Kirtan C. Parmar	EOQ model with Ramp type demand for three parameter weibully distributed deterioration and time dependent holding cost	Mr Aldwyn Dias prize for Excellence in Research in Statistics, Medal and Certificate
30	ST-540	Nirmi Turakhia	Dr. Sharddha Bhatt	Effects of meteorological conditions on PM concentrations in sub-tropical semi arid region	Medal and Certificate
<b>Zoology Department</b>					
31	16-ZO-717	Ms.Swara Joshi	Mr. A. J. Koshti	To evaluate the biodiversity of Avifaina and ethology of grey headed Swamphen	Medal and Certificate
32	16-ZO-732	Ms.Jyoti. G. Sadhwani	Mr. A. J. Koshti	To study the ecology and ethology of certain butterflies	Medal and Certificate
33	17-ZO-3746	Ms.Deepa Sanglekar	Dr. S. V. Sondarva	Cognition in non-captive house crow	Mr Harshad Shah prize for Excellence in Research in Zoology, Medal and Certificate
34	16-ZO-727	Ms.Sakshi S. Patankar	Dr. S. V. Sondarva	Variation in diet of pet dogs	Medal and Certificate

35	16-ZO-731	Mr.Rutwik Pandya	Dr. S. V. Sondarva	Migratory patterns of birds found at Thol bird sanctuary	Medal and Certificate
36	16-ZO-737	Ms.Shreya Johnson	Dr. S. V. Sondarva	Scanning electron microscopy of wing scales of <i>G. agamemnon</i> and <i>G. chironides</i>	Medal and Certificate
37	16-ZO-713	Ms.Jhanvi R. Gohel	Dr. S. V. Sondarva	Avian biodiversity of Gandhinagar	Medal and Certificate
<b>English Department</b>					
38	16-EN-353	Abhignya Sajja	Mr. Saurabh Vaishnav	Analysis of Indian diaspora in selected works (the namesake, interpreter of maladies) of Jhumpa Lahiri	Medal and Certificate
39	16-EN-375	Markus Murmu	Mr. Saurabh Vaishnav	Rasa in Heroes of the Valley	Mr Donald Marks prize for Excellence in Research in English, Medal and Certificate
40	16-EN-318	Neha Sharma	Mr. Saurabh Vaishnav	A new perspective for 'small in The God of small things	Medal and Certificate
<b>Psychology Department</b>					
41		Shivani Choksi Prasanna Shah	Dr K P Banaji	Comparative study on the level of intelligence on dyslexic and non-dyslexic children during the developmental period	Medal and Certificate
42		Preet Gandhi	Dr K P Banaji	A comparative study to measure the self esteem of children who play sports and those who do not play sports	Medal and Certificate
43		Sukanya Sangar	Dr Profaina C	Cartoon shows depict psychological concept	Mr Prabhat Vihh prize for Excellence in Research in Psychology, Medal and Certificate
44		Simran Sharma	Dr Profaina C	A comparative study on sexual attitudes with reference to age and gender	Medal and Certificate
45		Karishma Desai / Karanpreet Kaur Dang	Dr K P Banaji	The role of emotional intelligence in job satisfaction of employees	Medal and Certificate
46		Nishtha Narang	Dr Arti Oza	A comparative study of personality differences of individuals indirectly and directly associated with art forms	Medal and Certificate
<b>Mathematics Department</b>					

47	17-MT-404 16-MT-422 16-MT-416	Cyril Prince Arpan U. Panchal Pooja Joshi	Mr Dhawal Bhatt	An application of prime numbers	Mr Tushar Patel prize for Excellence in Research in Mathematics, Medal and Certificate
48	16-MT-0407 17-MT-425	Mahendra D. Chaudhari Kunal S. Panjwani	Dr Savan Patel	Investigation on infinitesimal and hyper real numbers	Mr Hiten Shah prize for Excellence in Research in Mathematics, Medal and Certificate
<b>Economics Department</b>					
49	16-EC-215 16-EC-257	Eshita Banerjee Prarthana Verma	Dr Pinky Desai	A study on the role of recovery channels in handling the non-performing assets of scheduled commercial banks in India	Lt Madhuben J Patel prize for Excellence in Research in Economics, Medal and Certificate
50	16-EC-216	G. Anjanalakshmi	Dr Pinky Desai	The role of Israeli technology on date cultivation in Kutch	Mr Dilipbhai Parikh prize for Excellence in Research in Economics, Medal and Certificate
51	15-EC-008	Shivani Mehta	Mr Atman Shah	Analysis of education expenditure of Gujarat Government	Medal and Certificate
<b>Computer Sciences Department</b>					
52		Shaun Pant	Ms Nithya Nadar	Ubdia Business Intelligence system: Exploring new dimensions	Medal and Certificate
53		Soni Hrim Ajaykumar	Dr Dhara Bhatt	Smart Home via Bluetooth, Microcontroller 8051 & Windows VB Application, Android Application	Mr Alwyan Dias prize for Excellence in Research in Computer Sciences, Medal and Certificate
54		Vivek Doshi Nidhi Upadhyay Vruttant Mankad	Ms Manali Brahmbhatt	A case study on effectiveness of Gaming in India for cognitive Development	Medal and Certificate
<b>B.Com BPS</b>					
55		Anushka Patel Vrushika Surja Vanisika Patel	Dhara Bhatt	Economic Turmoil	Medal and Certificate