



MCM DAV
College for Women
Sector-36 A, Chandigarh-160036

Progress Report
For
Star College Scheme

Submitted to
Department of Biotechnology
Ministry of Science and Technology
New Delhi

MCM DAV College for Women

AN INSTITUTION PAR EXCELLENCE

MCM DAV College for Women – an institution which has carved a niche for itself in the national academic circles, has become a definitional as an institution that caters not only to the educative and scholarly development of its stakeholders but also promises a well – rounded and holistically progressive future for them. Founded in 1968 to commemorate the exemplary contribution of Justice Mehar Chand Mahajan, Ex-Chief Justice of India and former Prime Minister of Kashmir, the college has been a seat of learning to reckon with. Be it academics, sports or cultural and social activities, the college has been an invincible victor. The secret behind this story of success abounding is the strong foundation of the college, which exudes the core values of our culture and tradition and is still open to absorbing the changes that come our way in the fast moving world around us. The college is a rare example of a temple of learning that not only maintains the value-system of the yester years, but also creates a way to organically involve in it the ever- changing scenarios of the global world, with its technological and business demands.

Acknowledgement

We greatly acknowledge that the facilities provided under the STAR College scheme in the pursuit of excellence has been proved very beneficial for the MCM DAV College for Women, Chandigarh in taking one more step towards implementing your objective to provide academic and physical infrastructure for achieving excellence in teaching and unique exposure of students to experimental science.

The STAR College scheme provide us a great platform in combining and imparting scientific as well as holistic education to the students. The grant provided under the scheme enabled the institute to emphasized more on practical training to students by providing specialized infrastructure and consumables. Well-equipped modern laboratories, library, teaching aids, and other training facilities in our college, helped us in enhancing scientific interest among the students and also in promoting research based learning at undergraduate level in the college.

The provided opportunities under the scheme to learn from stalwarts, visits to nearby institutes and universities, workshops, seminars and various other forums, helped us in improving critical thinking and substantial increase in the percentage of "hands on" experimental work among the students. This scheme has been proved equally beneficial for the students and the teachers, as it helped us in scaling up the skills of the teachers by organising different faculty programs.

Star College scheme proved a great opening for the students as it equipped them with the modern research methodologies techniques, innovative minor research projects and the skills for their professional growth. The scheme has a significant positive impact on the students' awareness about the scientific research, methodologies and their implementation. The scheme has armed us to promote and increase our efforts in disseminating quality learning scientific knowledge with the special emphasis on the practical training and also to provide access and exposure to students to modern research laboratories and industries in the country.

*Dr. Nisha Bhargava
Principal*

Contents

S. No	Contents	Page No.
I.	Name of Departments supported and their Coordinators	5
II.	Annexure –I: 1. Name of the College: 2. Status(Govt./ Govt. Aided/ Autonomous/Pvt) 3. Women’s College or Co-educational 4. Urban/Rural 5. No. of departments supported 6. NAAC Ranking + Year 7. Details of extramural funding received in the last 3 years	6
III. Quantitative data (Submitted by all departments in the order: Department of Food Science, Chemistry, Botany, Physics and Zoology)		
8.	No. of applicants vs No. of seats in each department	7
9.	Number of students admitted year wise in different courses supported under the Star College Scheme	8
10.	Change in the cut off percentage/admission	10
11.	Change in the dropout rate	11
12.	Data on pass percentage (UG level)	12
13.	Data on how many students opted for PG courses	13
IV. Qualitative data (Submitted by all departments in the order: Department of Food Science, Chemistry, Botany, Physics and Zoology)		
14.	List of additional practical introduced	15-19
15.	List of minor projects implemented, name of students and supervisor	20-27
16.	Faculty improvement activities such as training courses, seminars etc. conducted and their impact	28-31
17.	Outreach activities conducted and their impact/ follow-up	31-35
18.	Any outstanding achievement by student/faculty (merit, award, research paper, presentation in national/international	35-81

	conference/ etc.; full citation to be provided)	
19.	List of Short term training courses/workshops conducted for students and faculty, including title, duration, no. of beneficiaries	81-87
20.	Guest Lectures (details like name of scientist, topic, no. of students)	88-92
21.	Visits to industries, institutes etc. (name of place, duration of visit and no. of students)	92-94
22.	List of Lab manuals/SOPs generated for all participating departments	94-95
23.	Feedback mechanism adopted	95
24.	Any special innovative approach adopted by the college in improving the UG education	95-98
25.	A summary on “how the Scheme helped in strengthening of the UG education and what would not have been possible without this”	9-99
26.	Suggestions/feedback for improving the scheme	99
ANNEXURE-II: B.Sc. – I Year MFT (2018-19)		
ANNEXURE-III: B.Sc. II Year MFT (2018-19)		
ANNEXURE-IV: B.Sc. III Year MFT (2018-19)		
ANNEXURE-V: B.Sc. I Year Medical (2018-19)		
ANNEXURE-VI: B.Sc. II Year Medical (2018-19)		
ANNEXURE-VII: B.Sc. III Year Medical (2018-10)		
ANNEXURE-VIII: B.Sc (III) Medical Sec A – Group A2		
ANNEXURE-IX: B.Sc. III Year Medical – (Group A1 and B2)		
ANNEXURE- X: B.Sc. II Year Medical		
ANNEXURE-XI: B.Sc. I Year Medical (Group A1)		

ANNEXURE-XII: List of students B.Sc. (Non-Med) who submitted their project reports for the session 2018-19a
ANNEXURE-XIII: B.Sc. III Year Medical Section- A Group- A2
ANNEXURE-XIV: B.Sc. II Year Medical Section-A Group- A1
ANNEXURE-XV: B.Sc. II Year Medical Section-A Group- A2
ANNEXURE-XVI: B.Sc. III Year Medical Section-B Group-B1
ANNEXURE-XVII: B.Sc. III Year Medical Section A
ANNEXURE-XVIII: B.Sc. II Year Medical Section A Group A1

I. Name of the Departments supported

Department of Food Science

Dr. Geeta Mehra

Department of Chemistry

Dr. Shefali Dhiman

Department of Botany

Dr. Gunjan Sud

Department of Physics

Dr. Renu Bedi

Department of Zoology

Dr. Neetu

*Overall coordinator: Dr. Shefali Dhiman
Asst. Professor, Deptt. Of Chemistry
Cell No. 98154242340
Fax No. 0172-2613047
Email: shefalitac@gmail.com*

Annexure –I

1. **Name of the College:** MCM DAV College for Women, Sector 36-A, Chandigarh.
2. **Status (Govt./ Govt. Aided/ Autonomous/Pvt):** Govt. Aided
3. **Women’s College or Co-educational:** Women’s College
4. **Urban/Rural:** Urban
5. **No. of departments supported:** 05
6. **NAAC Ranking + Year:** Re-accredited "A" GRADE BY NAAC (2016)
7. **Details of extramural funding received in the last 3 years (UGC, DBT, DST; duration, period and amount):**

S. No.	Period	Agency	Duration	Amount
1.	2018-19	DST (for science based activities)	1 year	Rs. 86,000/-
2.	2018-19	PSCST	1 year	Rs. 10,000/-
3.	2018-19	Foldscope Grant Science based activities (Dr. Geeta Mehra)	1 year	Rs. 3,00,000/- (BIOTECH) Rs. 86000/- (DST)
4.	2018-19	MRP DST renewal energy (Dr. Vandana Sharma and Dr. Sandeep Kaur)	1 year	Rs. 75,000/-
5.	2018-19	IUAC (UGC’s autonomous Research Institute) Sponsored project (Dr. Yogita Batra)	3 years	Rs. 6,75,000/- (including 3 year fellowship of JRF and contingency)
6.	2018-19	DBT Star College scheme	3 years	Rs. 15,73,363/-

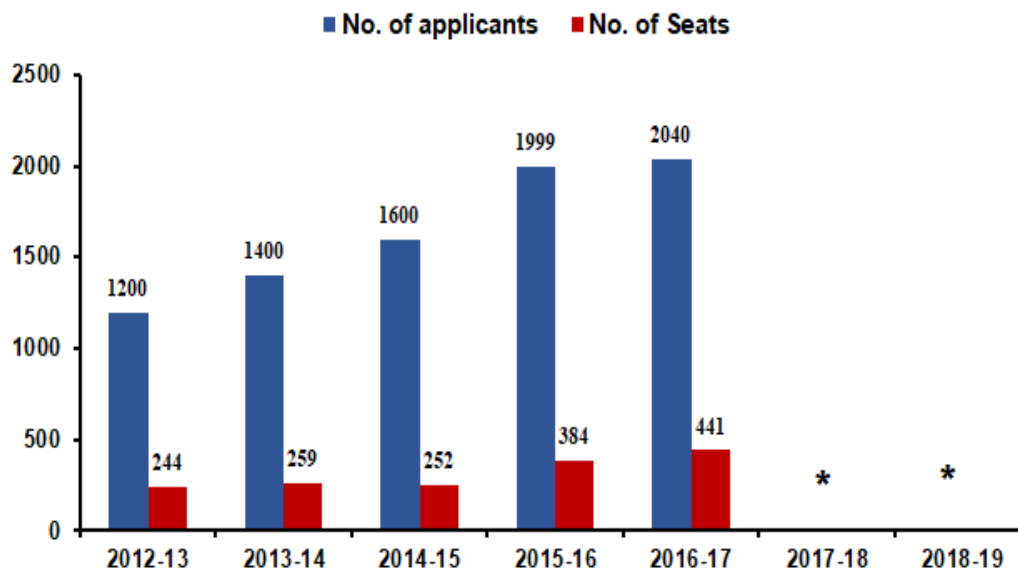
III. Quantitative data (Submitted by all departments)

8. No. of applicants vs. No. of seats in each department:

There is no fixed number of seats. Seats are filled according to the infrastructure availability. However, in case of MFT course, fixed number of seats (n=60 + 6 additional) are filled.

Year	No. of applicants	No. of Seats
2012-13	1200	244
2013-14	1400	259
2014-15	1600	252
2015-16	1999	384
2016-17	2040	441
2017-18	Centralized Counselling*	Centralized Counselling*
2018-19	Centralized Counselling*	Centralized Counselling*

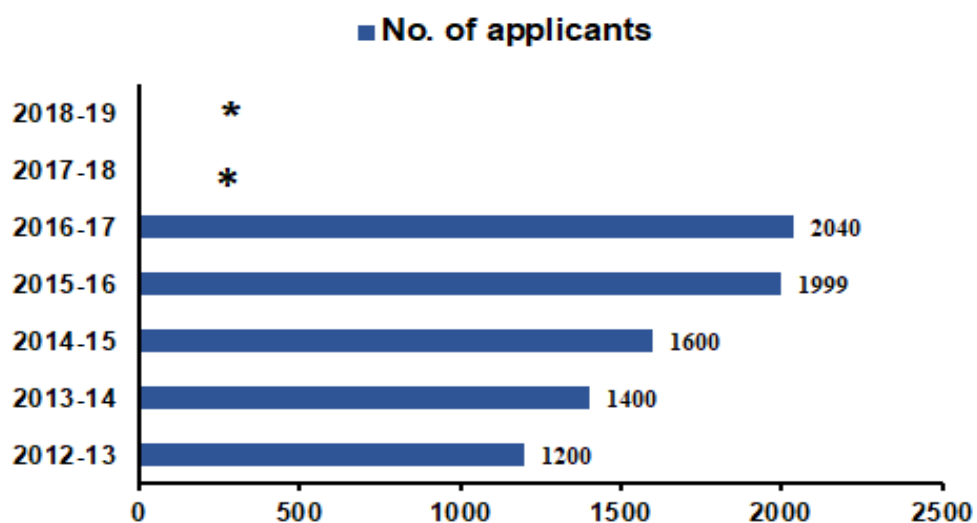
*Centralized admissions for all Chandigarh colleges under UT administration



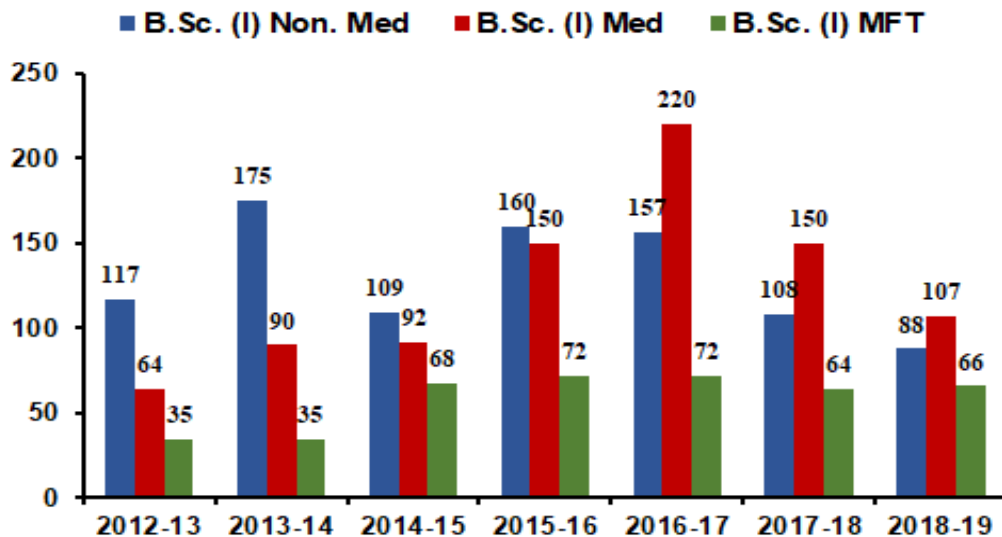
Year	No. of Applicants
2012-13	1200
2013-14	1400
2014-15	1600
2015-16	1650
2016-17	1700
2017-18	Centralized Counselling*
2018-19	Centralized Counselling*

*Centralized admissions for all Chandigarh colleges under UT Administration

9. Number of students admitted year wise in different courses supported under the Star College Scheme:

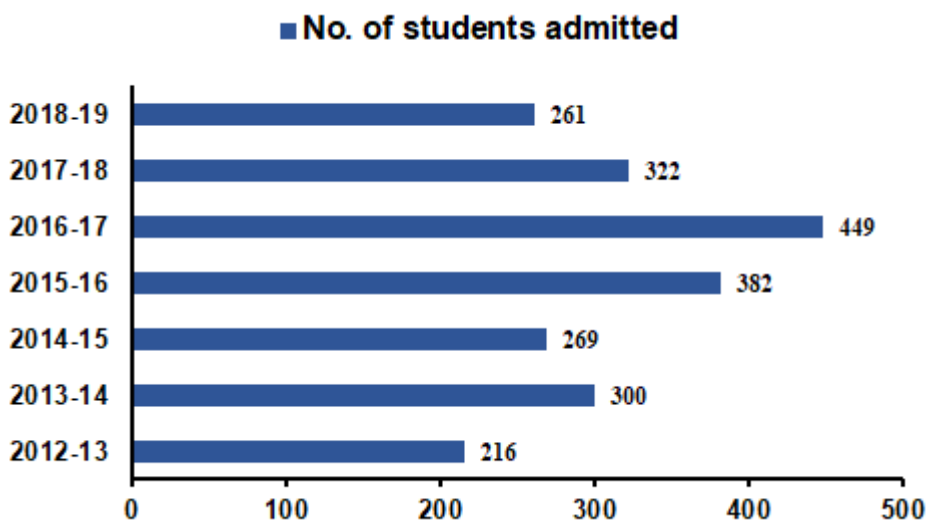


Year	No. of students admitted in different courses		
	B.Sc. (I) Non Med	B.Sc. (I) Med	B.Sc. (I) MFT
2012-13	117	64	35
2013-14	175	90	35
2014-15	109	92	68
2015-16	160	150	72
2016-17	157	220	72
2017-18	108	150	64
2018-19	88	107	66



*All passed students of 1st and 2nd year are admitted to 2nd and 3rd year respectively under same course.

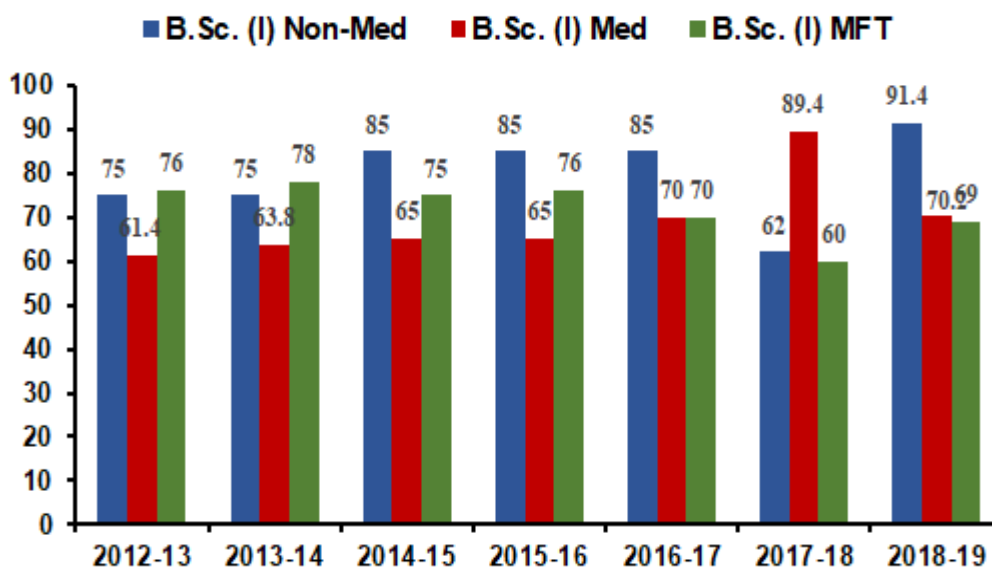
Year	No. of students admitted in different courses
2012-13	216
2013-14	300
2014-15	269
2015-16	382
2016-17	449
2017-18	322
2018-19	261



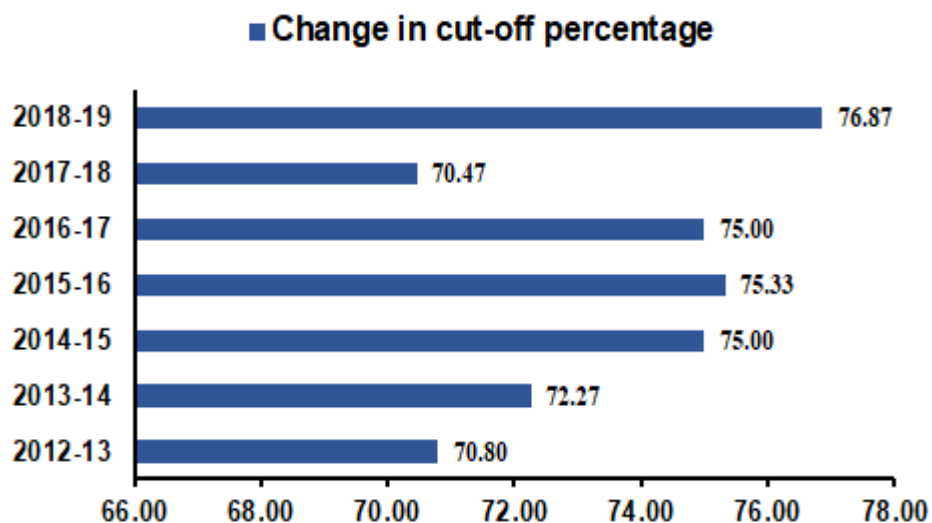
10. Change in the cut off percentage (%) /admission in different Courses:

Year	Cut- off percentage/admission in different courses		
	B.Sc. (I) Non Med	B.Sc. (I) Med	B.Sc. (I) MFT
2012-13	75	61.4	76
2013-14	75	63.8	78
2014-15	85	65	75
2015-16	85	65	76
2016-17	85	70	70
2017-18	88.2	89.4	60
2018-19	91.4	70.2	69

*All passed students of Ist and 2nd year are admitted to 2nd and 3rd year respectively under same course.

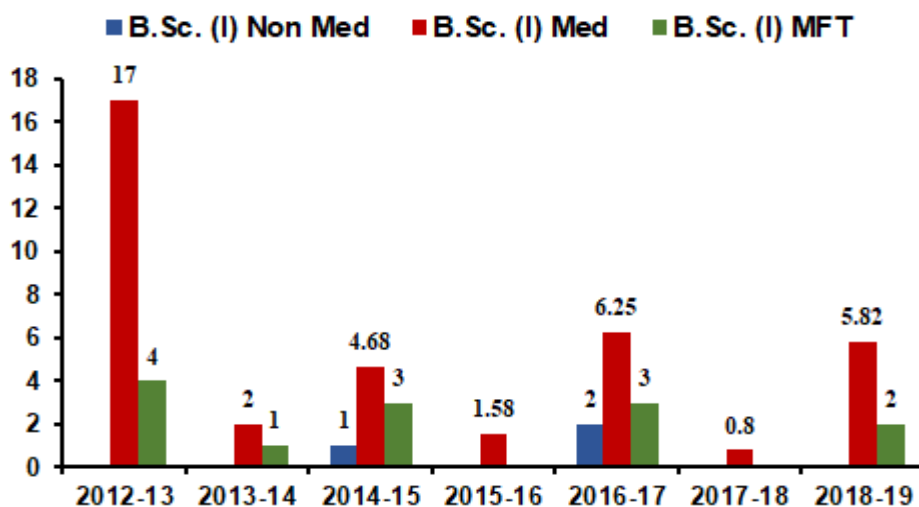


Year	Change in cut-off percentage
2012-13	70.80
2013-14	72.27
2014-15	75.00
2015-16	75.33
2016-17	75.00
2017-18	70.47
2018-19	76.87

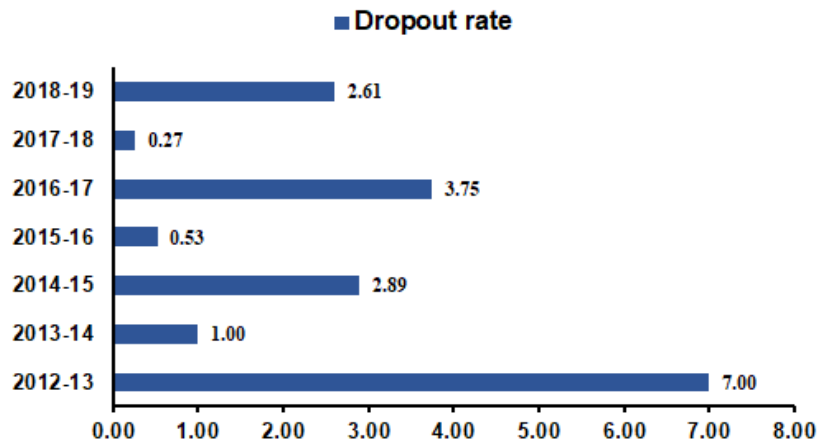


11. Change in the dropout rate (in percentage; B.Sc. I to B.Sc. II):

Year	Dropout rate (%) in different courses		
	B.Sc. (I) Non Med	B.Sc. (I) Med	B.Sc. (I) MFT
2012-13	0	17	4
2013-14	0	2	1
2014-15	1	4.68	3
2015-16	0	1.58	0
2016-17	2	6.25	3
2017-18	0	0.8	0
2018-19	0	5.82	2

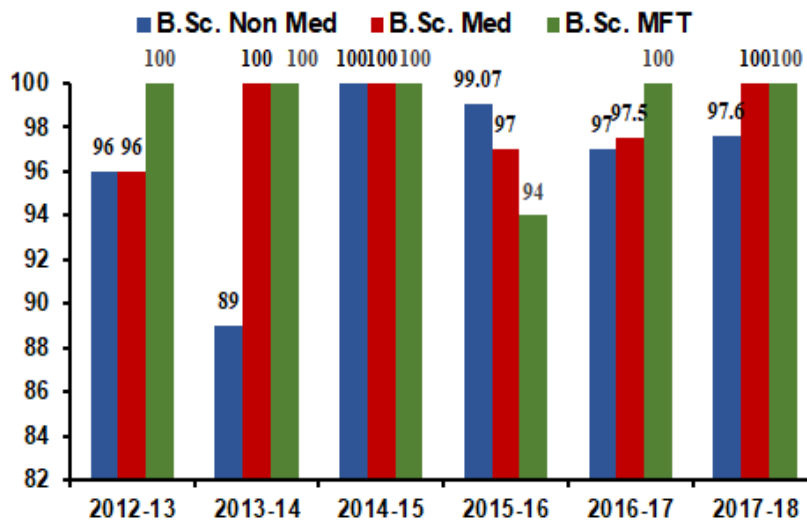


Year	Change in Dropout Rate (%)
2012-13	7.00
2013-14	1.00
2014-15	2.89
2015-16	0.53
2016-17	3.75
2017-18	0.27
2018-19	2.61

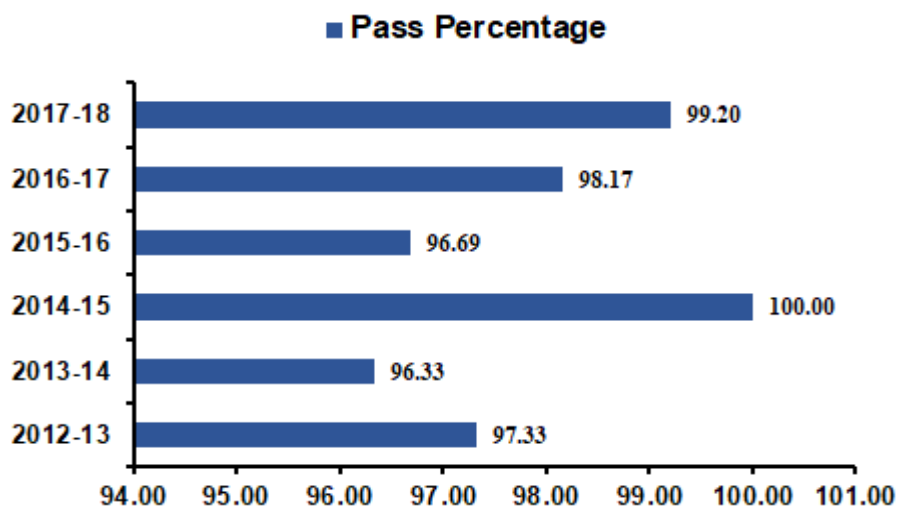


12. Data on pass percentage:

Year	B.Sc. Non Med	B.Sc. Med	B.Sc. MFT
2012-13	96	96	100
2013-14	89	100	100
2014-15	100	100	100
2015-16	99.07	97	94
2016-17	97	97.5	100
2017-18	97.6	100	100

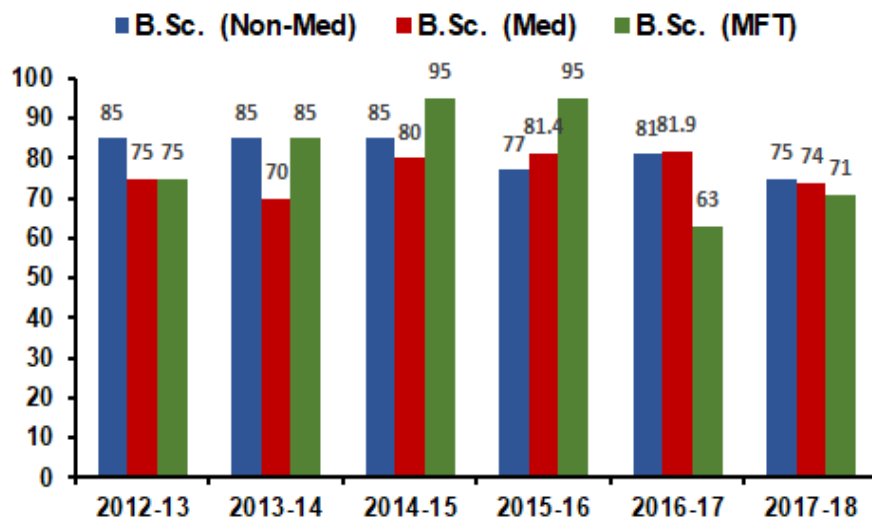


Year	Pass Percentage
2012-13	97.33
2013-14	96.33
2014-15	100
2015-16	96.69
2016-17	98.17
2017-18	99.20

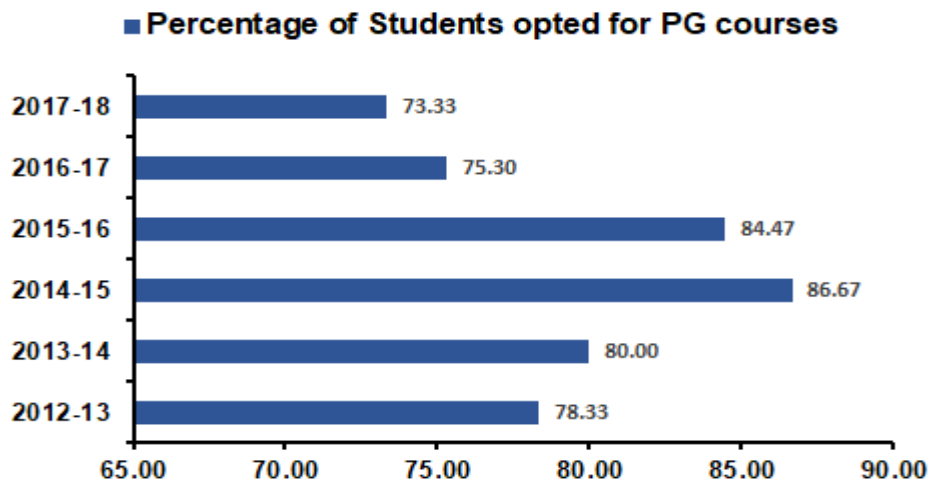


13. Data on how many students opted for PG courses:

Year	Percentage of students opted for PG courses		
	B.Sc. (Non-Med)	B.Sc. (Med)	B.Sc. (MFT)
2012-13	85	75	75
2013-14	85	70	85
2014-15	85	80	95
2015-16	77	81.4	95
2016-17	81	81.9	63



Year	Percentage of Students opted for PG courses
2012-13	78.33
2013-14	80.00
2014-15	86.67
2015-16	84.47
2016-17	75.30
2017-18	73.33



IV. Quantitative Data (Submitted by all Departments)

14. LIST OF ADDITIONAL PRACTICALS INTRODUCED (2017-18)

Department Of Food Science:

B.Sc (Microbial & Food Technology) – I Year (60 students)

[Annexure II]

1. To determine the total soluble solids using Abbe Refractometer.
2. To study packaging regulations for food products in India.
3. To determine the bacterial load by direct counting using hemocytometer.
4. To isolate enteric pathogens (*Salmonella* and *Shigella*) from sewage water using selective media.
5. To isolate halophilic bacteria from sea water.

Faculty member involved was Dr. Shruti Puri, Dr. Hina

B.Sc (Microbial & Food Technology) – II Year (63 students)

[Annexure III]

1. Colour comparison among different types and brands of fruit juices using tintometer.
2. Colour comparison among different brands of tomato ketchup using tintometer.
3. Colour comparison among different types and brands of tea using tintometer.
4. Pectin estimation in different fruits at varied ripening stage.
5. Effect of repeated frying on specific gravity, refractive index, and colour of different types and brands of oil.
6. Evaluation of quality characteristics of cereal flours.
7. To perform separation of plant pigments using paper chromatography applying dip method.
8. Isolation of DNA from fruits and vegetables.
9. DNA extraction using cost effective homemade reagents.
10. Preparation of enzymes from solid waste for cell lysis and protein denaturation.
11. DNA isolation using chymosin and glass milk.

Faculty member involved was Dr. Geeta Mehra, Dr. Vandana Sharma and Dr. Sandeep Kaur.

B.Sc (Microbial & Food Technology) – III Year (59 students)

[Annexure IV]

1. To calculate the energy value of samples by using Oxygen Bomb Calorimeter.
2. To calculate the moisture content of spices by Dean and Stark method.
3. To determine the consistency of the tomato products' by Bostwick Consistometer.
4. Isolation of enzyme producers from agricultural soil.
5. Isolation of coliforms from water samples collected from local vendors.
6. Isolation and characterization of halotolerant and alkaliphiles from sea water.
7. Effect of increasing concentrations of heavy metals on microbial growth.
8. Physicochemical analysis of tertiary water.
9. Isolation of antibiotic resistant bacteria from tertiary water.
10. Isolation of plastic degrading fungi from landfill soil samples.

Faculty member involved was Dr.Vandana Sharma. Dr.Sandeep Kaur and Dr. Bindu

Department of Chemistry:

S. No.	Title	Class	No. of students
1.	Volumetric estimation of strength of NaOH solution of unknown concentration using standard acid solution.	B.Sc. I	250
2.	Preparation of primary standard of (N/10 Oxalic acid) for standardization of secondary solution.	B.Sc. I	243
3	Study of effect of dilution on viscosity (2.5%, 5%, 10% solution of Glycerol).	B.Sc. I	243
4.	Determination of percentage of Ca ²⁺ ions from a sample of chalk by back titration method.	B.Sc. II	265
5.	Determination of melting point of different organic compounds synthesized in lab.	B.Sc. III	300
6.	Conductometric titration of weak acid (Acetic acid) with strong base (NaOH) and determination of ionization constants of weak acid.	B.Sc. III	293
7.	Comparison of saponification of oils extracted	B.Sc. III	293

	from different seeds (Groundnut, Linseed, Coconut and Mustard Oil).		
8.	Structure elucidation of the synthesized organic compounds by IR and NMR spectroscopy.	B.Sc. III	293

Department of Botany:

S. No.	Title	Number of Students beneficiaries	Names of Students	Year	Name of Teacher/(s) involved
1.	Extraction of gemmae cups, gemmae, rhizoids and scales of <i>Marchantia</i> .	79 B.Sc. I (Medical)	Annexure-V	2018-19	Dr. Gunjan Sud
2.	Demonstration of the laws of inheritance using balls of different colours (Law of segregation)	79 B.Sc. I (Medical)	Annexure-V	2018-19	Dr. Gunjan Sud Dr. Purnima Bhandari
3.	Comparative analysis of male cones in <i>Cycas</i> , <i>Pinus</i> and <i>Epedra</i>	97 B.Sc. II (Medical)	Annexure-VI	2018-19	Dr. Jasleen Kaur Dr Aditi Shreya Bali
4.	Different types of ovules prevalent in different families of angiosperms	97 B.Sc. II (Medical)	Annexure-VII	2018-19	Dr Jasleen Kaur Dr. Aditi Shreya Bali
5.	To study V.S. leaf of <i>Potamogeton</i>	121 B.Sc. III (Medical)	Annexure-VII	2018-19	Dr. Gunjan Sud Dr Aditi Shreya Bali Dr. Ruby Singh
6.	To study morphology and economic importance of Fennel	121 B.Sc. III (Medical)	Annexure-VII	2018-19	Dr. Gunjan Sud Dr Aditi Shreya Bali Dr. Ruby Singh
7.	Estimation of protein content with Bradford reagent	25 B.Sc. III (Medical)	Annexure-VIII	2018-19	Dr. Purnima Bhandari

Department of Physics:

Sr. No.	Classes	Title
1.	B.Sc. (I) (90 students)	<ol style="list-style-type: none"> To demonstrate the I-V and P-V characteristics of PV module with varying radiation and temperature level. To demonstrate the I-V and P-V characteristics of series and parallel combination of PV module. To demonstrate the effect of shading on module output power.
2.	B.Sc. (II) (90 students)	<ol style="list-style-type: none"> To show the effect of variation in tilt angle on PV module power To demonstrate the working of diode as bypass diode and blocking diode. Workout power flow calculations of standalone PV system of DC load with battery.
3.	B.Sc. (III) (100 students)	<ol style="list-style-type: none"> To study regulated power supply and voltage multiplier circuits (using breadboards) To design monostable multivibrator of a given specifications using 555 Timer IC and to measure the pulse width of its output. Study of photon intensity variations through crossed polaroids and diffraction spectrum from diffraction grating using LDR/Photodiodes. Air quality monitoring.

Department of Zoology:

S. No.	Title	Number of beneficiaries	Names of Students	Year	Name of Teacher/(s) involved
1.	Preparation of reagents for DNA extraction from insect tissue	48	Annexures- IX	B.Sc. III	Dr. Neetu
2.	Standardization of the procedure of DNA extraction from the adults of laboratory bred strain of <i>Drosophila melanogaster</i>	48	Annexures- IX	B.Sc. III	Dr. Neetu
3.	Preparation of reagents for Agarose gel electrophoresis	48	Annexures- IX	B.Sc. III	Dr. Neetu

4.	Agarose gel electrophoresis for visualization of extracted DNA	48	Annexures- IX	B.Sc. III	Dr. Neetu
5.	Estimation of sugar in different juices by glucose oxidase method	121	Annexures- VII	B.Sc. III	Dr. Neetu & Dr. Sarabjeet Kaur
6.	Paraffin processing of tissue involving fixation, embedding, sectioning and staining using: a) Haematoxylin-eosin method b) Bromophenol blue method c) PAS method d) Feulgen reaction e) Sudan black method	121	Annexures- VII	B.Sc. III	Dr. Neetu & Dr. Sarabjeet Kaur
7.	Preparation of buffer solutions of desired concentration and pH and to see the change in pH on increasing or decreasing dilution factor	56	Annexure- X	B.Sc. II	Dr. Ravneet Kaur
8.	Macro-evolutionary studies in different animals based on: a) Locomotion b) Types of Beaks in birds c) Types of feet in birds	56	Annexure- X	B.Sc. II	Dr. Ravneet Kaur
9.	Sketching of microscopic objects using Camera lucida	25	Annexure- XI	B.Sc. I	Dr. Neetu
10.	Measurement of microscopic objects using oculometer and stage micrometer	25	Annexure- XI	B.Sc. I	Dr. Neetu

15. List of minor projects implemented, name of students and supervisor:**Department of Food Science:**

S. No.	Student's Name	Roll No.	Research Project	Faculty Supervisor
1.	Prachi Minhas	5057	Hand hygiene assessment of various food handlers	Dr.Geeta Mehra
2.	Komal Atlas	5080	Microbial load assessment of fruit and vegetable salads sold by street vendors	Dr.Geeta Mehra
3	Sharanya	5089	Cut fruits and vegetables sold by street vendors: Food for health or hazard	Dr.Geeta Mehra
4	Nisha Chaudhary	5090	Foldscope as a tool for scientific communication and awareness generation	Dr.Geeta Mehra
5	Mahima	5949	Assessment of potability of drinking water from different sources	Dr.Geeta Mehra
6	Komal Kanugo	5951	Comparative microbial load evaluation of public and private washrooms	Dr.Geeta Mehra
7	Alka Goel	5961	Assessment of potability of drinking water from different sources	Dr.Geeta Mehra
8	Sarah Sharma	5962	Comparative enumeration of probiotics in different pharmaceutical products	Dr.Geeta Mehra
9	Diksha Prasher	5966	Comparative microbial load evaluation of public and private washrooms	Dr.Geeta Mehra
10	Shruti Soni	5976	Comparative enumeration of probiotics in different food products	Dr.Geeta Mehra
11.	Nikita Sharma Ranshi Ohja	5959 4969	Isolation and Characterization of Pesticide Degrading and Heavy Metal Tolerant Bacteria	Dr. Vandana Sharma
12.	Chhavi Dhiman Simran	5063 5072	Eco-Friendly Approach to Decontaminate Agricultural	Dr. Vandana

S. No.	Student's Name	Roll No.	Research Project	Faculty Supervisor
			Soil	Sharma
13.	Jasleen Kaur Ritika	5965 5051	Isolation of Pesticide Degrading Fungi from Agricultural Soil.	Dr. Vandana Sharma
14.	Sonal Mishra Rakshandha	5971 5954	Isolation and biochemical characterization of sewage sample and antibacterial efficacy of Oyster Mushroom against <i>E.coli</i> and <i>Klebsiella</i> .	Dr. Vandana Sharma
15.	Himanshi Bansal Vaani Dutta	5071 5087	Optimisation and cultivation of Oyster mushroom (<i>Pleurtus</i> spp.) using garden and kitchen waste in used plastic bottles	Dr. Sandeep Kaur
16.	Bahaar Hundal Vishawjot Kaur	5100 5955	Potential of spent mushroom waste as biofilter targeting enteric pathogens	Dr.Sandeep Kaur
17.	Amandeep Kaur, Navneet Kaur	5956 5059	Isolation, biochemical characterisation of enteric pathogens and their resistance profiling.	Dr.Sandeep Kaur
18.	Tanvi Gurleen	5094 5066	Preparation of cookies from oyster mushroom powder and their nutritional analysis	Dr.Sandeep Kaur
19.	Komal	5082	Water Quality Testing methods: An update	Dr.Sandeep Kaur
20.	Shagun Bajaj	5972	Development of Buckwheat and Pumpkin flour based bars	Dr. Bindu
21.	Gursimran Kaur	5055	Process technology for the production of sago and wheat grass based cookies	Dr. Bindu
22.	Ujjwal Sangwan Chahat Aditi Vashishth	5098 5969 5945	Development of functional crackers by germinated garlic and onions	Dr. Bindu
23.	Iknoor Kaur Anuragi	5964 5953	A review on plant pigments (Betalain, Chlorophyll, Anthocyanin, Carotenoids)	Dr. Bindu

S. No.	Student's Name	Roll No.	Research Project	Faculty Supervisor
24.	Kangan Khanna Japnit Baidwan	5073 5085	Development of edible films from pea pod protein isolates	Dr. Bindu
25.	Jahnvi Trehan Ramanpreet Kaur	5085 5947	Nutritional and sensory evaluation of snack made from chia seed flour fortification of gram flour.	Dr. Shruti Puri
26.	Kulveer Kaur Ananya Talwar	5081 5958	Fortification of quinoa seed flour in whole wheat biscuits.	Dr. Shruti Puri
27.	Purva Aggarwal Amandeep Tejaswinnie	5060 5967 5054	Comparative study on utilization of different fruit wastes on SCP production by <i>Saccharomyces cerevisiae</i>	Dr. Shruti Puri
28.	Lovepreet	5061	Extraction of starch from sweet potato and its analysis.	Dr. Shruti Puri
29.	Harshita	5973	Review on "Dehydration as a food preservative method and its futuristic approach.	Dr. Shruti Puri
30.	Amber Ashgar	5069	Review on Recent Trends in Packaging.	Dr. Shruti Puri
31.	Anjali Ralhan Sonia Sharma Riya Thakur Sweta Arora	5064 5076 5077 5960	Evaluation of antimicrobial susceptibility pattern of 14 bacterial clinical isolates & assessment of antibacterial activity of essential oils against antibiotic resistant strains	Dr. Hina
32.	Medhavi Kanika Riya Shaheena Ramneet Kaur	5058 5948 5952 5963 5968	Microbiological quality of 12 street-vended foods and assessment of antimicrobial susceptibility of food-borne pathogens	Dr. Hina

Department of Chemistry:

S.No.	Title	Class	No. of students
1.	To prepare Cuprammonium based synthetic Rayon fibres	M.Sc. I	44
2.	To prepare various kinds of artificial water filters	B.Sc. III	25
3.	Synthesis and Application of Biodegradable Starch-Based Bioplastics	B.Sc. III	293
4.	Preparation and application of activated charcoal as a perfect dye adsorber	B.Sc. III	293
5.	Comparison of pH/buffer capacity of different cold drinks and juices (RBPT)	B.Sc. II	265
6.	Comparison of yield of oxidation of toluene under acidic, basic and neutral conditions	B.Sc. III	293
7.	Comparison of strength of oxalate ions in fresh and ripened guava (RBPT).	B.Sc. I	243
8.	Comparison of hardness of water from different areas around tricity (Chandigarh, Panchkula, Mohali)	B.Sc. II	265
9.	Determination of acidic and basic radicals in various commonly used salts (Table -salt, Black -salt and Rock -salt)	B.Sc. I	243

Department of Botany:*Departmental projects*

S.No.	Title of the Project	Number of beneficiaries	Name and Roll No.	Class	Supervisor
1.	Some common Pteridophytes of Summerhill Town, Shimla	2	Parima Jaswal (Roll No. 647) Bhavya (Roll No. 648)	B.Sc. I (Medical)	Dr. Gunjan Sud
2.	Preliminary survey of pollinating agents with associated plants of the campus	2	Deepti (Roll No. 151) Divya (Roll No.163)	B.Sc. (II) Medical, Sec A	Dr. Gunjan Sud Dr. Ravneet Kaur

3.	Effect of nitrous oxide on germination potential of chickpea plants	3	Garima (Roll No. 2619) Prachi (Roll No. 2650) Deepika Khatri (Roll No. 2640)	B.Sc. (III) Medical, Sec A, B	Dr. Purnima Bhandari
4.	Effect of glucose on oxidative markers in chickpea plants	2	Navneet (Roll No. 2615) Chakshu (Roll No. 2627)	B.Sc. (III) Medical, Sec A	Dr. Purnima Bhandari
5.	To study diversity in leaf venation in angiosperms	3	Pragya (Roll No. 174), Savitaj (Roll No. 202), Prabhjeet (Roll No. 178)	B. Sc. (II) Med. Sec. A	Dr. Jasleen Kaur
6.	To study variation in inflorescence in different angiosperms	2	Akanksha (Roll No. 192), Shivani (Roll No. 110)	B.Sc. (II) Med. Sec A	Dr. Jasleen Kaur
7.	To study diversity in leaf incision in angiosperms	2	Harleen (Roll No. 225), Avi (Roll No. 195)	B. Sc. (II) Med. Sec B	Dr Aditi Shreya Bali
8.	To study diversity of fruits in different angiosperms	2	Jaskirat (Roll No. 232), Mansi (Roll No.210)	B. Sc. (II) Med, Sec B.	Dr Aditi Shreya Bali
9.	Research on Spring Asteraceae in the Kaimbwala village, Chandigarh	1	Komil (Roll No. 2648) , Sukhkirat Kaur (Roll No. 10461)	B.Sc. (III) Med. Sec B.	Dr. Gunjan Sud
10.	Pteridophytes of Chandigarh	1	Diksha (Roll No. 2508)	B.Sc. (III) Med. Sec B.	Dr. Gunjan Sud
11.	Spring Asteraceae of Sector 36, Chandigarh	2	Garima (Roll No. 10416) Jagriti (Roll No.2628)	B.Sc. (III) Med. Sec B.	Dr. Gunjan Sud
12.	Wild edible plants in Kotkhai (Shimla hills)	1	KashikaThanta (Roll No.2506)	B.Sc. (III) Med.	Dr. Gunjan Sud

13.	Spring weeds in Compositae (Sunder Nagar town)	1	Ina Sharma (Roll No.2574)	B.Sc. (III) Med.	Dr. GunjanSud
14.	Inventory of some economically important spices and condiments	1	Simran Kaur (Roll No. 2648)	B.Sc. (III) Med. Sec B	Dr. Ruby Singh
15.	Inventory of some economically important food crops	3	Sehaj (Roll No. 10420), Himani (Roll No. 2646), Shubhangi (Roll No. 2558)	B.Sc. (III) Med., Sec B	Dr. Ruby Singh

Interdepartmental projects

S.No.	Title of the Project	Number of Students	Name and Roll No.	Departments involved	Supervisor
1.	Preliminary survey of pollinating agents with associated plants of the campus	2	Deepti (Roll No. 151) Divya (Roll No.163)	Botany Zoology	Dr. Gunjan Sud Dr. Ravneet Kaur

Department of Physics:

In order to make the students conversant with the technical aspects of various processes, related to Physics and other fields of science, the students of B.Sc. III were assigned project work. As a part of the project work, they undertook industrial training and submitted the project reports as listed below. All the students of BSc III (NM) and BSc III (Voc) performed these projects.

List of students who submitted their project reports for the session 2018-19 Annexure XII.

Interdisciplinary project

Apart from these projects, Dr. Renu Bedi, Ms. Raman Chadha and Ms. Poonam Jain from Department of Physics collaborated with Ms. Shikha from Department of French for workshop on “Communicative French”. Another collaboration was done with Ms. Sarabjit from Cosmetology Department and held a workshop on “Groom yourself”.

Department of Zoology:

S. No.	Title of the Project	Number of Students	Name (Roll No.)	Departments involved	Supervisors
1.	Toxicity evaluation of <i>Ocimum</i> nanoparticles in laboratory bred strain of <i>Drosophila melanogaster</i>	23	Annexure-XIII	Zoology & Chemistry	Dr. Neetu Dr. Aanchal Bhalla
2.	Designing Cloth water filters for managing and utilizing the waste	04	Ridhi Bajaj (2694) Kritika Sharma (2690) Rashi Jain (605) Meghna Goel (624)	Chemistry & Zoology	Dr. Nisha Dawra Dr. Neetu
3.	Preliminary survey on pollinating agents associated with plants of MCM DAV College for Women, Chandigarh	17	Annexure-XIV	Zoology & Botany	Dr. Neetu Dr. Gunjan Sud Dr. Ravneet Kaur
4.	Survey on the prevalence of Polycystic Ovarian Syndrome (PCOS) among the girl students of MCM DAV	18	Annexure-XV	Zoology	Dr. Neetu, Dr. Sarabjeet Kaur, Dr. Ravneet Kaur

	College for Women, Sector 36-A, Chandigarh				
5.	Evaluation of antimicrobial activity of Ampicillin via Disc Diffusion Method	26	Annexure-XVI	Zoology, Food Science	Dr. Neetu, Dr. Vandana Sharma, Dr. Anita Devi,
6.	To study the effect of various eco-friendly remedies on mites in vermicompost	24	Annexure-XVII	Zoology	Dr. Sarabjeet
7.	To compare the protein content in different samples of milk (Cow milk, buffalo milk, milk powder, double toned milk, single toned milk and unknown sample) by Lowry's method	17	Annexure-XVIII	Zoology	Dr. Ravneet Kaur

16. **Faculty improvement activities such as training courses, seminars etc. conducted and their impact:**

Department of Food Science

Title
<ul style="list-style-type: none">• One day workshop titled “Stress Management” held on 19 Nov, 2018 organized by Internal Quality Assurance Cell, MCM DAV College for Women.• Two Days Hands-On Training Workshop on “Oyster Mushroom Cultivation” (13th and 14th March, 2019) organized by Department of Food Science in collaboration with Skill Committee, MCM DAV College for Women.

Impact of the Faculty Improvement Activities:

- Gained knowledge about different techniques/practical tools to be adopted for effective management of stress at workplace and therapies which help to cope with stressful conditions.
- Gained both Theoretical and Hands on practical knowledge about various aspects of “Mushroom cultivation skill and its nutritional properties. The same skill acquired by the faculty can be disseminated to the society as well.
- Awareness about waste management issues and prospects of utilizing waste for generation of mushroom at home and lab.
- Imbibing skill development and entrepreneurship temperament.

Department of Chemistry:

1. The PG Department of Chemistry organized a **lecture-cum-workshop on Nanoscience, Nanotechnology and its Environmental Applications** on 9th Aug. 2018. The resource person for the same was **Prof. Ahmad Umar**, Deputy Director, Promising

Centre for Sensors and Electronic Devices (PCSED), Najran University, Saudi Arabia.

2. Dr. Sagarika Dev has attended a short term course on Research Methodology by the UGC-HRDC Panjab University from 25th September – 1st October, 2018.
3. Dr. Sagarika Dev has attended a short term course on Gender Sensitization by the UGC-HRDC Panjab University from 18th – 24th December, 2018.
4. Dr. Madhuri T. Patil has attended a pedagogy workshop for undergraduate science teachers, organized by CoESME, IISER Pune and supported by Department of Biotechnology (DBT), Govt. of India, and British Council, at Hotel Ibiza by The Fern in Kolkata from September 23rd-26th, 2018.
5. Dr. Madhuri T. Patil has attended a workshop organized by National Science Teachers Congress (along with organizing partner institutions like Vigyan Prasar (DST), CERT (MHRD) and Vijnana Bharati- an voluntary science movement lead by eminent scientists) at the 4th India International Science Festival (IISF 2018) on October 7th-8th, 2018 at Lucknow, India.
6. All the faculty members have attended lecture on **“Awareness on Primary Immunodeficiency Diseases (PID)”** by **Prof. Nima Rezaei** of Tehran University of Medical Sciences on 21st February, 2019.
7. All the faculty members have attended lecture on **“Pharmaceutical Chemistry: Contribution to Society”** by **Dr. Deepak Salunke**, Assistant Professor, Panjab University as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.
8. The PG Department of Chemistry has organized a lecture on **“Intellectual Property Rights”** by **Dr. Yogesh Nagpal**, Winsome Intellectual Property Solutions LLP on 5th March, 2019.
9. The PG Department of Chemistry has organized a lecture on **“Molecular and Crystallographic Symmetry”** by **Dr. Angshuman**

Roy Choudhary, Assistant Professor, IISER, Mohali on 29th March and 9th April, 2019.

Department of Botany:

Faculty Development programme

1. Workshop Series on Fun with Science @ Foldscope, Sponsored by Foldscope Project, Department of Biotechnology (DBT), Government of India on 11.8.2018. Organized by Department of Food Science, MCM DAV College, Chandigarh. (**Dr. Gunjan Sud, Dr. Jasleen Kaur**).
2. Participated in Maggi @Kitchen Journeys, organized by Department of Food Science, MCM DAV College, Chandigarh on 29.1.2019. (**Dr. Gunjan Sud, Dr. Jasleen Kaur**).
3. Participated in one day workshop, conducted by IQAC that depicts the 'Filling up of faculty and students data in the google sheets' on 13.03.2019 in MCM DAV College, Chandigarh. (**Dr. Gunjan Sud and Dr. Purnima Bhandari**).

Impact

1. Enhances the teaching skills of the faculty and motivates them to pursue interdisciplinary research
2. Enthusiastic participation of the faculty in extra-curricular activities.

Department of Physics:

1. Workshop on automation and control: A one two workshop of 'automation and control' was organized by Department of Physics on October 24-25, 2017. About 40 students and all faculty members of Department of Physics took part in the workshop. Mr. Lalitesh Kumar from Sofcon Pvt. Ltd. was the resource person. Students were taught to make various automation projects using Arduino technology. This workshop was organized in collaboration with National skill development cooperation (NSDC), Government of India.

2. **Summer training in collaboration with NSDC (National skill development cooperation, Government of India) (Proposed)**
3. **Lab safety workshop (Proposed)**

Impact

- These faculty improvement measures opened up avenues for discussions on various topics of Physics education and current developments.

Department of Zoology:

- RUSA sponsored Workshop on “Research Methodology” organized on 20th Aug., 2018
- Workshop on “Massive Open Online Courses (MOOCs)” organized by Internal Quality Assurance Cell on 23rd-24th Dec., 2018

Impact of the Faculty Improvement Activities

- Awareness generation to keep pace with changes in technology enhanced learning and innovative pedagogies
- Enhancement of research and teaching skills

17. OUTREACH ACTIVITIES CONDUCTED AND THEIR IMPACT/ FOLLOW-UP

Department of Food Science:

- Active involvement in organizing food, nutrition and health related activities including awareness and extension lectures, and food adulterants testing.
- Students and faculty play active role in blood and organ donation camps and free health check up camps, dengue awareness drives, flashmobs, anti-malaria drives in various nearby villages, areas and College in collaboration with NSS unit of college.

- Active participation of students in “All India Surakshit Khadya Abhiyaan (SKA) Asia Quiz Competition on Food Safety organized by Confederation of Indian Industry(CII) , supported and sponsored by Star College Scheme, DBT, Govt. of India and Department of Food Science, MCM DAV College for Women, held on 07 Sep, 2018.
- Active involvement of six students (BSc.MFT-II year) in seven day NSS camp (24 Dec, 2018-30 Dec, 2018) by indulging in volunteer activity and active participation in giving hands on training to villagers of village Bhaderi on “Mushroom cultivation from domestic waste” on 28 Dec, 2018.
- Active participation in creating awareness on waste segregation, importance of water conservation and importance of maintain personal hygiene to villagers of Bhadheri village in collaboration with NSS unit of college.
- Also active participation in activities under Swachh Bharat Abhiyaan-2019 i.e lab cleaning competition, poetry competition, essay writing competition on topic sustainable sanitation practices held on 25 Feb, 2019.
- A total of twenty-five students of B.Sc.(MFT) first year and second year were actively involved in conducting household survey of village Maloya under **Unnat Bharat Abhiyaan-2019** held on 11th April, 2019.
- Active participation of ten students of B.Sc. MFT-III year in generating Awareness on Good Hygienic Practices (GHP) and Good Manufacturing Practices (GMP) for Food Handlers of MCM DAV College for Women on 19th December, 2019.
- Active participation of students of B.Sc. MFT-III year in creating awareness and promoting the use of Foldscope as part of the "frugal science" movement which aims to make cheap and easy tools available for scientific use in fields.

Impact:

- Sensitization of students and faculty towards social challenges and their mitigation, and their responsibilities towards these causes.
- Sensitization of students towards embarking skill development and entrepreneurship temperament.
- Increased awareness and knowledge of students on waste management issues, challenges and possible solutions including their active role in generating further awareness among society.
- Increased awareness and knowledge of students on the concept of frugal science and use of alternate tools such as foldscope in various fields.

Department of Chemistry:

A **philanthropic activity** is carried out by the PG department of Chemistry at **Jyoti Sarup Kanya Asra Society** (an orphanage for girls) in the first week of every month. All the faculty members donate generously to meet the requirements of the underprivileged school children.

Department of Botany:

1. **Activity:** Lecture delivered on “World of the Medicinal Herbs” at Govt. Senior Secondary School, Maloya on 4.2.2019 by **Dr. Purnima Bhandari**, as per government initiative under the adolescent program.

Impact/Follow up: To educate students about different medicinal plants.

2. **Activity:** Lecture delivered on “Child Sex Abuse” at Govt. Senior Secondary School, Maloya on 6.2.2019 by **Dr. Purnima Bhandari**, as per government initiative under the adolescent program.

Impact/Follow up: To educate girl students about child sexual abuse and ways to curb it

3. **Activity:** Weeding and cleaning of Botanical Garden and Rishi Vatika on 2.8.2018 by B.Sc. 1st and 2nd year students

Impact: Students were made aware about keeping the campus clean in pace with the Swachhta Pakhwara activities under the Swachhta Abhiyan Mission, an initiative of the Government of India.

4. Activity: Plantation of saplings on 4.8.2018. Students of B. Sc. 3rd year planted saplings of medicinal plants such as *Catharanthus rosea* (L.) G. Don (Sadabahar), *Cymbopogon citrates* (DC.) Stapf., *Sphagneticola calendulacea* (L.) Pruski etc. in Rishi Vatika.

Impact: The main objective of this activity was to make them aware of various medicinal plants.

5. Activity: Knowing your plants on 15.9.2018. On the occasion of Shramdan Divas students of B.Sc 3rd year medical contributed by placing plates mentioning scientific name of plant along with family and common name in front of respective plants in Rishi Vatika.

Impact: By doing this innovative activity they became aware of the different kinds of plants used in daily life.

6. Activity: Sparkle Lab Excellence Award-18 competition on 29.11.2018. The Botany department took another step in the direction of our commitment to strengthen the Swachhta Abhiyan by participating in the “Sparkle Lab Excellence Award-18” competition organized by the Swachhta Committee for the Science Departments.

Impact: The B.Sc. medical students took an active part in the cleanliness drive by cleaning the labs and museum of the Department.

Department of Physics:

- Department is actively involved in organizing various **philanthropic activities** such as distribution of blankets among patients of leprosy and taking classes of underprivileged kids.
- The faculty in collaboration with the department of Hepatology, PGIMER registered the college staff members and students for **organ donation**.
- Students participated in various inter disciplinary activities such as **art workshops, NSS, NCC and Rotoract club**.

- Students of department of Physics are associated with various **NGOs for underprivileged kids and old age homes**. Some of them usually spend their summer vacations in these outreach activities.
- In a unique **attempt to share our resources**, Department has extended a helping hand to Department of Physics, Dev Samaj College for Women, Chandigarh. This is to help them carry out experiments in our labs since they do not have very well equipped labs at this stage.

Impact

With these activities, students become more aware and responsible for their contribution towards the society.

Department of Zoology:

- A visit of B.Sc Medical students was organized to Badheri village, Chandigarh on 26th Sep., 2018 to spread awareness among the women regarding **cleanliness, personal hygiene and rising cancer risks**.
- Dr. Ravneet Kaur, Faculty of the Zoology department delivered extension lectures on “**Menstrual Hygiene**”, **Polycystic Ovarian Syndrome (PCOS)**” and “**Drug Abuse & Domestic Violence**” on 4th and 6th Feb., 2019 at Govt. Model Senior Secondary School, Maloya under Rashtriya Madhyamic Shiksha Abhiyaan (RAMSA), UT, Chandigarh with an aim to spread awareness about adolescent issues.

18. Any outstanding achievement by student/faculty (merit, award, research paper, presentation in national/international conference/ etc; full citation to be provided)

Department of Food Science:

Students' Achievements-

- One student (B.Sc. MFT II yr; Ujjwal Sangwan; Roll No.5098) selected by **Indian Academy of Sciences** and awarded two months summer research fellowship(June-Aug 2018) for conducting research

- on microbiology project titled “Understanding of signal transduction system kdpD in *Mycobacterium tuberculosis*.”
- **Sunita Chauhan (5044) and Chandni Sharma (5036); BSc. MFT-III year:** Undergraduate Research work carried out under the guidance of faculty at The Microbiology lab, Department of Food Science was successfully acknowledged and published in Volume 3, Nov 2018 issue of “Journal of Pure and Applied Microbiology” which is an International Journal , UGC approved, Scopus indexed. **The link and citation is as below:** “Sharma V, Sharma C, Chauhan S, Kaur S. Effect of Lactation Age and Storage on the Antibacterial Potency of Human Breast Milk against Neonatal Pathogens. Journal of Pure and Applied Microbiology, 2018. Vol. 12(3), p. 1307-1314”
<http://dx.doi.org/10.22207/JPaM.12.3.33>.
 - **Five students of B. Sc.(MFT) III year 2018 batch :** Aanchal Sehgal (4946), Aditi Gambir (4943) , Aditi Sharma(4932) , Akshima Sharma(4948) , Nitika Sharma (4912): Their undergraduate Research work carried out under the guidance of faculty at The Microbiology lab, Department of Food Science was successfully acknowledged and published in “ The Pharma Innovation Journal” ; Oct 2018 issue. **The link is** “Kaur S, Sharma N, Sehgal A, Ghambir A, Sharma A, Sharma A, Sharma V (2018). Anti-biofilm potential of aqueous Eucalyptus leaf extract against nosocomial pathogens: *Staphylococcus* and *Pseudomonas aeruginosa*. ThePharma Innovation Journal 2018; 7(11): 425-432.
 - Silver medal in Inter college cricket held at Panjab University held on 29 September, 2018 to 03 Oct,2018 - Prachi Kaushal of B. Sc (MFT) I year.
 - A grade in Green revolution Internship and received International Certification United Nations, ICCE - Prachi Kaushal of B. Sc (MFT) I year.
 - Third prize in Ms. Fresh Face competition of Rotaract club of MCM DAV College held on 19 Oct,2018 – Takshu Jagga of B. Sc (MFT) I year.

- First prize in group dance competition bhangra , Holi Fest held on 14 March, 2019- Suchint Kaur, Manisha Kundal and Aashna Vasudeva of B. Sc (MFT) I year.
- Gurleen Pannu (BSc. MFT-III) secured second position in Zonal Youth Festival 2018, third position in Pre-Fest 2018 Nukkad and Best actress in PEC Fest-2018 Nukkad Competition.
- Students participated in Best Clean Lab Competition Organized by Science Departments under Swachhta Committee on 22nd November 2018. The objective of the activity was to sensitize and ensure good hygiene and health by creating awareness on cleanliness of laboratories.
- B.Sc. MFT II students participated in Essay and Poetry writing competition on ‘Sustainable Sanitation’ on 25th Feb, 2019. The aim of the competition was to educate and sensitize students/ youth regarding importance of sanitation and its sustainability to accomplish the vision of a clean and healthy Bharat.
- Three students of B.Sc. III MFT presented paper in a 2 days International Conference on ‘Skilling for Self Employment” jointly organized by Colombo Plan Staff College, Manila, Philippines and National Institute of Technical Teachers Training and Research, Chandigarh on 21-22nd February, 2019.
- First position in Power Point Presentation in Inter College Science competitions held on 23 Feb, 2019 at Chandigarh Group of Colleges, Landran – Diksha Prashar (BSc.-MFT-III).
- **Seventeen B.Sc. III MFT students** presented their research work in “National Symposium on Waste Management” organized by Association of Microbiologists of India (AMI), Chandigarh Unit at DAV College, Sector-10, Chandigarh held on 03 Oct, 2018.
- Six B.Sc. III MFT students participated in B. Con 2K18-19, a workshop on “Basic Techniques in Molecular Biology” organized by Make-Intern and B.Con in collaboration with IIT, Delhi at CGC, Landran. Two students (Chhavi Dhiman and Gursimran Kaur) were selected for final round to be conducted at IIT, Kharagpur on 27-28

- Oct,2018 and secured third position at “National Level Championship [MakeIntern and Ecell ;IIT Kharagpur Event]”.
- Nineteen students of B.Sc III MFT presented their research work in Microcon and Punjab Start-up Fest 2019, a National Conference on Microbial Biotechnology held at Panjab University, Chandigarh on 06th March, 2019 to 08th March, 2019.
 - Best Ideation award was bagged for the topic “Eco-friendly Approach to Decontaminate Agricultural soil” presented by Chhavi Dhiman, student of B.Sc MFT III year, Dept. of Food Science, MCM DAV College for Women, Chandigarh.
 - Six students of B.Sc. II MFT participated in Innovation Idea competition organized under the aegis of MHRD by Institution’s Innovative Council (IIC) on 29.3.2019 at MCM DAV College, Chandigarh. The innovative ideas of 4 students were selected for the next level.
 - Active participation of students of B.Sc. MFT-III in Workshop series on “Fun with Science @ Foldscope” in collaboration with Animal Disease Research Centre, Guru AngadDev Veterinary University, Ludhiana, Centre for Biotechnology and Bioinformatics, Dibrugarh University, Assam and Dept. of Botany, Raj Rishi PG College, Alwar, Rajasthan at MCM DAV College for Women, on September 11, 2018, August 11, 2018, August 8, 2018, and July 17, 2018.
 - Ten students of B.Sc. MFT-III year participated in Exhibition cum Workshop on ‘Advanced Technologies Reshaping India Agriculture 2.0’ organized by Confederation of Indian Industry (CII) and Food and Agriculture Centre of Excellence (FACE), on December 3, 2018.
 - Active participation of B. Sc. (MFT) I year and II year students in “Kitchen Journeys – Cookfrom home Contest”, “Red Mug Trolley” and breakfast cereal sensory sampling in collaboration with **Nestle India** Ltd. on January 29, 2019.
 - Ten students of B.Sc. MFT-III year actively participated in ‘Workshop on Foldscope as a Research and Diagnostic Tool for Animal Parasitic Diseases’ organized by Animal Disease Research Centre, Guru Angad

Dev Veterinary and Animal Sciences University, Ludhiana, on February 21, 2019.

- Twenty students of B.Sc. III MFT presented their research work in National Conference titled ‘Cutting Edge Research & Innovation in Biotechnology & Other Life Sciences’ at Chandigarh Group of Colleges (CGC), Landran, Punjab on 4th April, 2019. Awarded third prize in Oral presentation entitled, ‘Street vended foods: A gastronomic delight for microbes rather than humans!’ to Ramneet Kaur, B.Sc. MFT III.
- A total of ten students of B.Sc. MFT-III year actively worked as volunteers on project titled “ Cultivation of Oyster mushroom from agri-kitchen waste in used plastic bottles” and the proposal bagged all-India **third rank in the ‘Best Citizen-Led Innovations’ category during the Swachh Survekshan Awards-2019** announced on 6th March ,2019 , New Delhi. The award by the Ministry of Housing and Urban Affairs was recognition for unique solid-waste management initiative for cultivating oyster mushrooms from agricultural and kitchen waste in used plastic bottles.

Faculty Achievements

Dr.Geeta Mehra

- Subject Expert on the Interview Panel for the selection of Assistant Professor, Department of Food Science, in December 2018, invited by Directorate of Education, Shiromani Gurudwara Prabhandan Committee, at Kalgidhar Niwas, Sector 27B, Chandigarh.
- Coordinator, Star College Scheme of Department of Biotechnology, Government of India, for MCM DAV College for Women, Sector 36A, Chandigarh from 2013 to 2018, which oversaw five Science Departments being awarded Star Status in 2015.
- Convener (from July 2017 to October 2018), Committee of MCM DAV College for Women, Sector 36A, Chandigarh for Swachh Campus Ranking 2018 (Higher Education Institutions), (Category: College (Residential)), Ministry of Human Resources Development,

- Govt. of India, which oversaw the College winning the first prize in 2018.
- Evaluator and Examiner for dissertations of Master of Science in Dietetics and Food Service Management [M.Sc. (DFSM)] of IGNOU, Regional Centre, Chandigarh. 16 dissertations evaluated in 5 in 2018, and 17 in 2019.
 - Coordinator for Hostel Mess Committee, MCM DAV College for Women, Sector 36A, Chandigarh, since October 2016.
 - Principal Investigator for “Enabling, Skilling and Awareness Generation towards Food Safety, Hygiene and Health amongst Students and Food Handlers using Foldscope as a tool”; approved and sanctioned Rs. 4 lakhs by the Department of Biotechnology, Ministry of Science and Technology, Government of India. Duration of the project: One year (2018 – 2019)
 - Attended Workshop on Massive Open Online Courses (MOOCs) by IQAC at MCM DAV College for Women, Sector 36A, Chandigarh, December on 23-24, 2018.
 - Attended ‘Advanced Technologies Reshaping Indian Agriculture 2.0: Global Dialogue on Digital Pathways in Agriculture 2.0’ organized by Confederation of Indian Industry (CII) and Food and Agriculture Centre of Excellence (FACE), at Hotel Taj, Chandigarh, on December 2, 2018.
 - Participated in the One Health Tabletop Exercise on Sensitizing State Level Veterinary and Human Health Professionals for Effective Response to Avian/Novel Influenza Virus Outbreaks organized at J. W. Marriot, Bhopal, by U.S. Centers for Disease Control and Prevention, Sandia National Laboratories, USA, and Department of Animal Husbandry, Dairying & Fisheries, Govt. of India, September 10 – 12, 2018.
 - Attended one-day Faculty Development Programme on Calculating API Scores, organized by Internal Quality Assurance Cell, MCM DAV College for Women, Sector 36-A, Chandigarh, on May 28, 2018.

- Participated in Management & Leadership Workshop in Preparation for The India One Health Tabletop Exercise organized at J. W. Marriot, New Delhi, by Global Biorisk Management Curriculum, Sandia National Laboratories, USA, April 23 – 25, 2018.
- Participated in DBT Foldscope Orientation Workshop organized by Department of Biotechnology, Government of India at International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, on April 16, 2018.

Publications/Posters

- Mehra, G. and Mehra, R. 2018. Making FSSAI Food Adulterants' Detection Guidelines Accessible to Masses: A Case Study on Training Various Strata of Food Vendors and Handlers as an Extension of Responsible Research and Innovation. International Journal of Engineering Technology Science and Research, Volume 5, Issue 5, pp. 450-451, May. <http://www.ijetsr.com>. (6) Int.
- Two Posters co-presented in National Science Day Seminar, February 28, 2019, at DAV College, Sector 10, Chandigarh.
- Three Poster co-presented in SLIETCON 2019, March 1-2, 2019, at NITTTR, Chandigarh.
- Three Poster to be co-presented in MICROCON 2019, March 6-7, 2019, at Department of Microbial Biotechnology, Panjab University, Chandigarh.
- Mehra, G. and Mehra, R. 2018. Making FSSAI Food Adulterants' Detection Guidelines Accessible to Masses: A Case Study on Training Various Strata of Food Vendors and Handlers as an Extension of Responsible Research and Innovation. In: 3rd International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM 2018) at Indian Council of Social Science Research, North West Regional Centre, Panjab University, Chandigarh, May 27. (6) Int.

Resource Person

- Mehra, G., 2019. Invited Lecture in Multi-track National Conference SLIETCON – 2019 on “Foldscope as a frugal analytical tool for food

- safety and quality” organised by SantLongowal Institute of Engineering & Technology, at NITTTR, Chandigarh, on March 1-2.
- Mehra, G., 2019. Workshop on “Foldscope as a Research and Diagnostic Tool for Animal Parasitic Diseases” organised by Animal Disease Research Centre, Guru AngadDev Veterinary and Animal Sciences University, Ludhiana, Punjab, funded by DBT, Min. of Sci. & Tech., GoI, on February 21.
 - Mehra, G., 2019. Faculty Development Programme on Opportunity Guidance on Food Processing Industries at Chandigarh Group of Colleges, Landran, conducted by Regional Centre for Entrepreneurship Development, Chandigarh, on February 14.
 - Mehra, G., 2019. Entrepreneurship Development Programme on Opportunity Guidance on Food Processing at Lovely Professional University, Jalandhar, conducted by Regional Centre for Entrepreneurship Development, Chandigarh, on February 9.
 - Mehra, G., 2018. Workshop on “Foldscope as a Research Tool” organised by Centre for Biotechnology and Bioinformatics, Dibrugarh University, Assam, funded by DBT, Min. of Sci.& Tech., GoI, on August 28-29.
 - Mehra, G., 2018. Faculty Development Programme on Entrepreneurial Opportunities in Food Processing Industry at Beant College of Engineering & Technology, Gurdaspur, conducted by Regional Centre for Entrepreneurship Development, Chandigarh, on July 20.
 - Mehra, G., 2018. Faculty Development Programme on Entrepreneurial Opportunities in Food Processing at Khalsa College of Engineering & Technology, Amritsar, conducted by Regional Centre for Entrepreneurship Development, Chandigarh, on March 22. (5) Nat.
 - Mehra, G., 2018. Entrepreneurship Development Programme at Post Graduate Government College, Sector 11, Chandigarh, conducted by Regional Centre for Entrepreneurship Development, Chandigarh, on March 21. (5) Nat.

- Mehra, G., 2018. Invited talk at International Seminar on Biosafety: Risks and Management at the Department of Biochemistry, Panjab University, Chandigarh, on March 19.

Dr. Vandana Sharma

- Selected as a member of the Undergraduate Board of Studies in Microbiology.
- Attended an International workshop on “Foundational Laboratory Level Biorisk Management ” held from 18-22 June, 2018 at the Panjab University jointly sponsored by Sandia National Laboratories, US.
- “Sustainable Waste Management- a case study”- Poster presented in National symposium and Workshop on “ Waste Management- Present Scenario and Challenges” organized by DAV College, Chandigarh in association with AMI, Chandigarh unit on 3rd October, 2018.
- Participated in National Science Teachers Congress (along with organizing partner institutions like VigyanPrasar (DST), CERT (MHRD) and Vigyana Bharati- a voluntary science movement lead by eminent scientists) at the 4th India International Science Festival (IISF 2018) at Lucknow from 5th-8th October 2018.
- Paper presented titled, “Microbiology as Gen Next Career: Exploring Employability & Scientific Entrepreneurship” in 2nd International Multi-stream Conference on “Futuristic Approach towards Employability and Entrepreneurship & Industrial Summit” organized by GGNIM&T, Ludhiana in association with CICU and JCI on 27-28 October, 2018.
- Published a paper titled, “Effect of Lactation Age and Storage on the Antibacterial Potency of Human Breast Milk against Neonatal Pathogens” in International Journal ‘Journal of Pure and Applied Microbiology’. 2018. Vol. 12(3), 1307-1314 (First author) (peer reviewed and UGC approved, Scopus indexed) (Print ISSN: 0973-7510; Electronic ISSN: 2581-690X).

- Published a paper titled, “Anti-Biofilm Potential of Aqueous Eucalyptus Leaf Extract against Nosocomial Pathogens: *Staphylococcus* and *Pseudomonas aeruginosa*” in International Journal ‘The Pharma Innovation’. 2018. Vol. 7(11):425-432(Co-author cum Corresponding author)(peer reviewed and UGC approved; Scopus indexed)(Online ISSN: 2277-7695, Print ISSN: 2349-8242).
- Book chapter titled, “Microbiology as Gen Next Career: Exploring Employability & Scientific Entrepreneurship” published in “Entrepreneurship and Employability: Technical Perspectives” published by National Press Associates, ISBN No. 978-93-85835-62-9 (2018).
- Invited as Resource person for imparting Hands on Training on “Mushroom cultivation” to village Bharderi women in 7-day NSS camp (24 Dec2018- 30 Dec 2018) held at MCM DAV College for Women Chandigarh.
- Awarded Research Project titled, “Biosensor Based Kit for Rapid Detection of *Enterobacteriaceae* in Drinking Water” by Department of Science and Technology and -19) Renewable Energy, Chandigarh Administration (S&T&RE/RP/147(18
- Attended an International workshop on Biorisk Management entitled "Standard Operating Procedures" held from 7-11 January, 2019 at the Panjab University in collaboration with Sandia National Laboratories, US.
- Paper presented on “ Skill Development Initiatives at Nontechnical Institutions of Higher Education: A Case Study of MCMDAV College, Chandigarh” at 2 days International Conference on ‘Skilling for Self Employment’ jointly organized by Colombo Plan Staff College, Manila, Philippines and National Institute of Technical Teachers Training and Research, Chandigarh on 21-22 February, 2019.
- Prepared two students of B.Sc III MFT for paper presentation in a 2 days International Conference on ‘Skilling for Self Employment’ jointly organized by Colombo Plan Staff College, Manila, Philippines

- and National Institute of Technical Teachers Training and Research, Chandigarh on 21-22 February, 2019.
- Organized Yakult for B.Sc. III MFT students 09th Feb 2019. 09th Feb 2019
 - Organized Bonn visit for B.Sc II MFT students on 16th February, 2019.
 - Prepared six students of B.Sc MFT 3rd year for National level championship for Science that was conducted at IIT, Kharagpur on 27-28 Oct,2018 and 2 students secured third position at “National Level Championship (MakeIntern and Ecell IIT Kharagpur) Event”.
 - Organized Visit to Effluent Treatment and Waste Water Treatment Plant at Sec-31, 3BRD, Chandigarh on 17.11.18 for B.Sc MFT and Medical students to familiarize the students with the actual procedure involved in municipal waste water treatment.
 - Prepared 10 Students of B.Sc 3rd Year for presenting their Microbiology related Research work at “National Symposium on Waste Management” organized by Association of Microbiologists of India (AMI), Chandigarh Unit at DAV College, Sector-10, Chandigarh on 03rd October, 2018. Two students Chhhavi Dhiman and Gursimran Kaur awarded third position for their best poster.
 - Honored with an award on 26 January, 2019 by MC, Chandigarh for implementing best solid waste management practices in the college.
 - Solid waste management initiative of cultivation of mushrooms from agricultural and kitchen waste in used plastic bottles was honored at National level by MHRD under Best Citizen-led innovations category.
 - Prepared 14 students of B.Sc III MFT for presenting their research work in Microcon and Punjab Start-up Fest 2019, National Conference on Microbial Biotechnology held at Panjab University, Chandigarh on 06 March, 2019 to 08 March, 2019.
 - Prepared 4 students of B.Sc III MFT for presenting their research work in National Conference titled ‘Cutting Edge Research & Innovation in Biotechnology & Other Life Sciences’ at Chandigarh Group of Colleges (CGC), Landran, Punjabon 4th April, 2019.

- Organized Hands on Training Workshop on “Cultivation of Oyster Mushroom (*Pleurotus* spp.) in bags and plastic bottles using Agri-Kitchen waste for 47 participants from BSc.(Medical), MCM DAV College, SD College, Chandigarh, Post-graduate College for Girls, Sector-11 on 13th and 14th March 2019.
- Prepared 6 students of B.Sc II MFT for participation in Innovation Idea competition organized under the aegis of MHRD by Institution’s Innovative Council (IIC) on 29.3.2019 at MCM DAV College, Chandigarh. The innovative ideas of 4 students were selected for the next level.
- Coordinator-cum-organizer of Industry Academia Interface Series under the aegis of DAV College Managing Committee, New Delhi, to Foster Skills of Future Microbiologist and Food Technologists from 29th January 2019 to 9th March 2019.

Dr. Sandeep Kaur

- Participated in the Workshop on Fun with Science @Foldscope Series III on 11th August, 2018 organized by Dept. of Food Science, MCM DAV College for Women, Chandigarh.
- Member of organizing committee for Surakshit Khadya Abhiyan (SKA), Asia Quiz Competition on Food Safety, held on 7th September, 2018 in MCM DAV College for Women, Chandigarh.
- “Optimization, cultivation of Oyster mushrooms from agro-domestic kitchen waste in used plastics bottles” Poster presented in National Symposium and Workshop on “ Waste Management- Present Scenario and Challenges” organized by DAV College, Chandigarh in association with AMI, Chandigarh unit on 3rd October, 2018.
- Paper presented titled, “Microbiology as Gen Next Career: Exploring Employability & Scientific Entrepreneurship” in 2nd International Multi-stream Conference on “Futuristic Approach towards Employability and Entrepreneurship & Industrial Summit” organized by GGNIM&T, Ludhiana in association with CICU and JCI on 27-28 October, 2018.

- PhD work titled “Novel strategy to treat diabetic wound infection- Phage Therapy” Published and acknowledged in Sci-Tech issue of leading newspaper “The Hindu” , Nov 17, 2018 edition (<https://www.thehindu.com/sci-tech/novel-strategy-to-treat-diabetic-wound-infection/article25526263.ece>).
- Published a paper titled, “Effect of Lactation Age and Storage on the Antibacterial Potency of Human Breast Milk against Neonatal Pathogens” in International Journal ‘Journal of Pure and Applied Microbiology’. 2018. Vol. 12(3), 1307-1314 (First author) (peer reviewed and UGC approved, Scopus indexed) (Print ISSN: 0973-7510; Electronic ISSN: 2581-690X).
- Published a paper titled, “Anti-Biofilm Potential of Aqueous Eucalyptus Leaf Extract against Nosocomial Pathogens: *Staphylococcus and Psuedomonas aeruginosa*” in International Journal ‘The Pharma Innovation’. 2018. Vol. 7(11):425-432(Co-author cum Corresponding author)(peer reviewed and UGC approved; Scopus indexed) (Online ISSN: 2277-7695, Print ISSN: 2349-8242).
- Book chapter titled, “Microbiology as Gen Next Career: Exploring Employability & Scientific Entrepreneurship” published in “Entrepreneurship and Employability: Technical Perspectives” published by National Press Associates, ISBN No. 978-93-85835-62-9 (2018).
- Resource person for imparting Hands on Training on “Mushroom cultivation” to village Bhaderi women in 7-day NSS camp (24 Dec, 2018- 3 0Dec 2018) held at MCM DAV College for Women Chandigarh.
- Awarded Research Project titled, “Biosensor Based Kit for Rapid Detection of *Enterobacteriaceae* in Drinking Water” by Department of Science and Technology and -19) Renewable Energy, Chandigarh Administration (S&T&RE/RP/147(18
- Paper presented on “Mushroom Enterprise : Step Towards Women Empowerment and Nutritional Security” at International Conference on ‘Skilling for Self Employment” jointly organized by Colombo Plan

- Staff College, Manila, Philippines and National Institute of Technical Teachers Training and Research, Chandigarh on 21-22 February, 2019.
- Co- coordinator in conducting onsite campus placement drive of two major companies (IDSIL and Convergys).
 - Pioneer in optimization and cultivation of Oyster mushroom in used plastic bottles in Department laboratory and mentored/guided the students on the same lines. The proposal bagged all-India **third rank in the ‘Best Citizen-Led Innovations’ category during the Swachh Survekshan Awards-2019** announced on 6th March ,2019 , New Delhi. The award by the Ministry of Housing and Urban Affairs was recognition for unique solid-waste management initiative adopted.
 - Coordinator-cum-organizer of Industry Academia Interface Series under the aegis of DAV College Managing Committee, New Delhi, to Foster Skills of Future Microbiologist and Food Technologists from 29th January 2019 to 9th March 2019.
 - Prepared eight students of B.Sc. III MFT for presenting their research work in Microcon and Punjab Start-up Fest 2019, National Conference on Microbial Biotechnology held at Panjab University, Chandigarh on 06 March, 2019 to 08 March, 2019.
 - Organizer of Workshop-cum-hands on training on “Oyster Mushroom (Dhingri) Cultivation”, held from 13th March-14th March, 2019 at Dept. of Food Science.
 - Oral presentations co-presented with three undergraduate research students of B.Sc. MFT 3rd Year at 3rd National Conference on “Cutting Edge Research and Innovation in Biotechnology and Other Life Sciences, held at Chandigarh Group of Colleges, Landran on 4th-5th April, 2019.
 - Organized Hands on Training Workshop on “Cultivation of Oyster Mushroom *Pleurotus* spp.) in bags and plastic bottles using Agri-Kitchen waste for 47 participants from BSc.(Medical), MCM DAV College, SD College, Chandigarh, Post-graduate College for Girls, Sector-11 on 13th and 14th March 2019.

- Resource person in two days Hands on Training Workshop on “Oyster Mushroom Cultivation in bags and Plastic bottles” held on 13-14, March, 2019.
- Active participation in supervising and conducting household survey of village Maloya under Unnat Bharat Abhiyaan (UBA)-an initiative for rural up-liftment by Government of India.

Dr. Shruti Puri

- Participated and organized the Workshop on Fun with Science @Foldscope Series I, II and III on 17th July, 8 August and 11th August, 2018 organized by Dept. of Food Science, MCM DAV College for Women, Chandigarh.
- Member of organizing committee for Surakshit Khadya Abhiyan (SKA), Asia Quiz Competition on Food Safety, held on 7th September, 2018 in MCM DAV College for Women, Chandigarh.
- Industrial visit of B.Sc. IInd year students of MFT to Bonn, Ludhiana on 16th February, 2019.
- Coordinator-cum-organizer of Industry Academia Interface Series under the aegis of DAV College Managing Committee, New Delhi, to Foster Skills of Future Microbiologist and Food Technologists from 29th January 2019 to 9th March 2019.
- Organized Hands on Training Workshop on “Cultivation of Oyster Mushroom *Pleurotus* spp.) in bags and plastic bottles using Agri-Kitchen waste for 47 participants from B.Sc.(Medical), MCM DAV College, SD College, Chandigarh, Post-graduate College for Girls, Sector-11 on 13th and 14th March 2019.
- Prepared six students of B.Sc. III MFT for presenting their research work in National Conference titled ‘Cutting Edge Research & Innovation in Biotechnology & Other Life Sciences’ at Chandigarh Group of Colleges (CGC), Landran, Punjab on 4th April, 2019.

Dr. Hina

- Participated in the Workshop on Fun with Science @Foldscope Series III on 11th August, 2018 organised by Dept. of Food Science, MCM DAV College for Women, Chandigarh.
- Member of organizing committee for Surakshit Khadya Abhiyan (SKA), Asia Quiz Competition on Food Safety, held on 7th September, 2018 in MCM DAV College for Women, Chandigarh.
- Oral presentation and publication of paper entitled "Microbiology as GenNext Career: Exploring Employability and Scientific Entrepreneurship" at 2nd International multi-stream conference on Futuristic approach towards employability and entrepreneurship and Industrial Summit held on 27-28 October, 2018 at GGNIMT, Ludhiana.
- Industrial visit of B.Sc. IInd year students of MFT to Bonn, Ludhiana on 16th February, 2019.
- Coordinator-cum-organizer of Industry Academia Interface Series under the aegis of DAV College Managing Committee, New Delhi, to Foster Skills of Future Microbiologist and Food Technologists from 29th January 2019 to 9th March 2019.
- Organized Hands on Training Workshop on "Cultivation of Oyster Mushroom (*Pleurotus* spp.) in bags and plastic bottles using Agri-Kitchen waste for 47 participants from B.Sc.(Medical), MCM DAV College, SD College, Chandigarh, Post-graduate College for Girls, Sector-11 on 13th and 14th March 2019.
- Prepared eight students of B.Sc. III MFT for presenting their research work in National Conference titled 'Cutting Edge Research & Innovation in Biotechnology & Other Life Sciences' at Chandigarh Group of Colleges (CGC), Landran, Punjab on 4th April, 2019.

Department of Chemistry:

Dr. Shefali Dhiman

- Published a paper entitled "Enantio- and chemoselective oxidation of omeprazole sulfide to enantiopure (S)-omeprazole with whole-cells of *Aspergillus carbonarius*" in an international journal "Biocatalysis and

Agricultural Biotechnology” in [Volume 16](#), October 2018, Pages 303-7.

- Presented a poster entitled “Happiness and Mental Health- A Symbiotic Relation” in international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Presented a poster entitled “Euphoria and Neuropsychological Functioning in Bipolar Affective Disorder” in international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended a Faculty development program (FDP) sponsored by IQAC, MCM DAV college for women on calculating API scores on May 28 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Sagarika Dev

- Presented a poster entitled “Happiness- Interplay of Happy Chemicals” in international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.

- Attended Faculty development program (FDP) sponsored by IQAC, MCM DAV college for women on calculating API scores on May 28 2018.
- Attended short term course on Research Methodology by the UGC-HRDC Panjab University from 25th September – 1st October, 2018.
- Attended short term course on Gender Sensitization by the UGC-HRDC Panjab University from 18th – 24th December, 2018.
- Attended Department of Science and Technology and Renewable Energy, Chandigarh Administration sponsored one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women on 17th March 2018.
- Attended lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Qudrat Hundal

- Published a paper entitled “Facile synthesis of novel α -methylene-pyrazole-carboxylate substituted imines and trans- β -lactams: Versatile synthons for diverse heterocyclic molecules” in Synthetic Communications.
- Participated in National Seminar on ‘Celebrating 220 Years of MirzaGhalib’ organized by Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh on 17th January, 2018.
- Attended two day International Conference on “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” organized by Mehr

Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh (U.T.) Under the aegis of DAV College Managing Committee Chitra Gupta Road, New Delhi on January 29th and 30th 2018.

- Attended Orientation Programme organized by the UGC-Human Resource Development Centre, Panjab University, Chandigarh from 1-05-2018 to 28-05-2018.
- Participated in Department of Science and Technology and Renewable Energy, Chandigarh Administration sponsored one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women on 17th March 2018.
- Attended lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Madhuri Tanaji Patil

- Published a paper entitled “An efficient and scalable synthesis of potent TLR2 agonistic PAM2CSK4” in international journal “RSC Advances”.
- Published a chapter in book entitled “Microemulsions as Nanotemplates: A Soft and Versatile Approach” in a book Microemulsion - A Chemical Nanoreactor”.
- Awarded DST Women Scientist Fellowship (DST-WOSA). The project entitled “Synthesis and structure-property relationship studies of surfactants containing natural structural motif inositol as hydrophilic head group” (SR/WOS-A/CS-132/2016) is accepted for DST Women Scientist Scheme A (DST-WOSA).
- Attended a Faculty development program (FDP) sponsored by IQAC, MCM DAV college for women on calculating API scores on May 28 2018.

- Attended an International Workshop on Nanostructured metal oxides for sensing and environmental applications (GIAN Course of MHRD) Department of SAIF/CIL, Panjab University, Chandigarh. August 6-10, 2018.
- Attended a pedagogy workshop for undergraduate science teachers, organized by CoESME, IISER Pune and supported by Department of Biotechnology (DBT), Govt. of India, and British Council, at Hotel Ibiza by The Fern in Kolkata from September 23-26, 2018.
- Attended a workshop organized by National Science Teachers Congress (along with organizing partner institutions like Vigyan Prasar (DST), CERT (MHRD) and Vijnana Bharati- an voluntary science movement lead by eminent scientists) at the 4th India International Science Festival (IISF 2018) on October 7-8, 2018 at Lucknow, India.
- Delivered a talk entitled, “Science behind Happiness” at Two-Day International Conference On, “The Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” organized by MCM DAV College for Women, Chandigarh, India on January 29-30, 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Attended lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Delivered a talk entitled, “Role of Chemistry in Success and Happiness” at Two-Day National Conference On, “National Conference on Innovations and Sustainable Development made by Chemistry in 21st Century (ISDMC-2019)” organized by Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune, India on January 7-8, 2019.
- Delivered a talk entitled, “Key to Success” at Department of SAIF/CIL, Panjab University, Chandigarh on account of Educational Trip for Orientation in Chemistry on January 23, 2019.

- Worked as a Mentor in Swachha Bharat Summer Internship at Kishangarh in June 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.
- Life member of Chandigarh Region Innovation and Knowledge Cluster (CRICK) Society, Chandigarh from **2017**.

Dr. Rishu

- Published a paper entitled “Enhanced activity of trinuclear Zn (II) complex towards phosphate ester bond cleavage by introducing three metal cooperativity.” Pooja Joshi, Navid Hussain, Shah Raj Ali, Rishu (Corresponding) and Vimal K. Bhardwaj, *New Journal of Chemistry*, 2018, **42**, 2204-2215.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Worked as Swachha Bharat Summer Internship Mentor at Kishangarh in June 2018.
- Participated in two day International Conference on ‘Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness’ held at MCM-DAV College for Women , Chandigarh on January 29th and 30th, **2018**.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part

of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Aanchal Batra

- Attended lecture-cum workshop on Quantum Chemistry and Spectroscopy sponsored by Indian Academy of Sciences, Bengaluru in S.G.G.S. Khalsa College Mahilpur, Hoshiarpur, Punjab (INDIA) on 28-29 September 2018.
- Attended lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Glass Ceiling” by Dr. Manoj Kumar of PGGCG-11, Chandigarh on 6th February, 2019.
- Attended a lecture on “Empowering Women through Cyber Crime Awareness” by Ms. Rashmi Sharma Yadav, Deputy Superintendent of Police, Chandigarh on 29th August, 2018.
- Attended a Workshop on “Sanitary Pad Making” on 22nd February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Nisha Dawra

- Attended lecture-cum-workshop on Quantum Chemistry and Spectroscopy sponsored by Indian Academy of Sciences, Bengaluru in S.G.G.S. Khalsa College Mahilpur, Hoshiarpur, Punjab (INDIA) on 28-29 September 2018.

- Attended lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Glass Ceiling” by Dr. Manoj Kumar of PGGCG-11, Chandigarh on 6th February, 2019.
- Attended a lecture on “Empowering Women through Cyber Crime Awareness” by Ms. Rashmi Sharma Yadav, Deputy Superintendent of Police, Chandigarh on 29th August, 2018.
- Attended a Workshop on “Sanitary Pad Making” on 22nd February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Swatika Sharma

- Participated in an international conference on “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.

- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Gargi Dhaka

- Participated in an international conference on “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Dhanya

- Participated in an international conference on “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.

- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.
- Presented a poster along with students on the topic “ Beating Pollution with Bioplastics” in the RC PAUL National Symposium organized by PG Dept. of Chemistry, PU, on 1st -2nd March 2019.

Dr. Anu

- Published a paper entitled “Comprehensive study towards the desulfonylation/desulfinylation of cis-3-functionalized 3-phenylsulfonyl/sulfinyl- β -lactams to access novel cis-3-monosubstituted- β -lactams.” *Anu Kumari*, S. S. Bari, Garima Modi, Shiwani Berry, Sadhika Khullar, Sanjay K. Mandal, Aman Bhalla, *Tetrahedron*, **2018**, 74, 33, 4400-4408.
- Published a paper entitled “Recent Advances in Synthesis of Chiral β -Lactams.” *Anu Kumari* and Aman Bhalla, *Organic and Medicinal Chemistry*, **2019**, 2, 41-96.
- Participated in an international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.

- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Dipika Narula

- Published a paper entitled “Facile synthesis of novel α -methylene-pyrazole-carboxylate substituted imines and trans- β -lactams: Versatile synthons for diverse heterocyclic molecules” in Synthetic Communications.
- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Dr. Manisha Dhiman

- Published a paper entitled “Augmenting the photocatalytic performance of cobalt ferrite via change in structural and optical properties with the introduction of different rare earth metal ions.”

- Manisha Dhiman**, B. Chudasama, Vinod Kumar, K.B. Tikoo and Sonal Singhal, *Ceramics International*, 2019, **45**, 3698-3709.
- Published a paper entitled “Development of magnetically retrievable spinel nanoferrites as efficient catalysts for aminolysis of epoxides with amines.” Ankush Sheoran, **Manisha Dhiman**, Santosh Bhukal, Rupal Malik, Jyoti Agarwal, B. Chudasama and Sonal Singhal, *Materials Chemistry and Physics*, 2019, **222**, 207-216.
 - Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
 - Attended Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
 - Delivered an oral presentation entitled “Enhanced catalytic properties of rare-earth substituted cobalt ferrites fabricated by sol-gel auto-combustion route” in International conference ICRAMC-2018 held in SRM University, Tamilnadu on 14th-16th Feb, 2018.
 - Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
 - Attended lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Ms Navjot Kaur

- Published a paper entitled “A QM/MM study on ethene and benzene oxidation using silica-supported chromium trioxide.” Indu Kumari, **Navjot Kaur**, Shuchi Gupta, Neetu Goel, *J. Mol. Model.* **2019**, 25, 17-25.
- Published a paper entitled “Time- dependent DFT and experimental study on visible light photocatalysis by metal oxides of Ti, V and Zn after complexing with conjugated polymer.” **Navjot Kaur**, Komal, Shuchi Gupta, Vinod Kumar, K.B. Tikoo, Sonal Singhal, Neetu Goel, *New J. Chem.*, **2019**, 43, 1505-1516.

- Published a paper entitled “Nucleotide conjugated (ZnO)₃ cluster: Interaction and optical characteristics using TDDFT.” Indu Kumari, **Navjot Kaur**, Shuchi Gupta, Neetu Goel, *J. Mol. Graph. Model.* **2019**, 87, 211-219.
- Published a paper entitled “Clusters as Catalysts: Advantages & Challenges, Shuchi Gupta. **Navjot Kaur**, Indu Kumari, Neetu Goel, *Chem. Modell.*, **2018**, 14, 127–162.
- Presented a poster on “Enantioselective oxidation of prochiral sulfide using SBA-15 supported vanadia catalyst - a DFT study” in Chascon-2018 and awarded with best poster presentation.
- Presented a poster on “Visible light photocatalysis by Transition metal oxides after complexing with conjugated polymer- A Time dependent DFT study in RC Paul National Symposium.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Ms Deepti Walia

- Participated in an international conference “Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness” on 29th-30th January 2018.
- Attended one day science exhibition “Science: Past and Future” organised by PG Department of Chemistry MCM DAV College for Women sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration on 17th March 2018.
- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended a Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.

- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Ms Aanchal Bhalla

- Attended a lecture-cum-workshop on “Nanoscience, Nanotechnology and its Environmental Applications” on 9th August 2018.
- Attended a Science Fest sponsored by DST, Chandigarh on the theme “Wonders of Science” on 4th October 2018.
- Attended a lecture on “Awareness on Primary Immunodeficiency Diseases (PID)” by Prof. Nima Rezaei of Tehran University of Medical Sciences on 21st February, 2019.
- Attended a lecture on “Pharmaceutical Chemistry: Contribution to Society” delivered by Dr. Deepak Salunke of PU, Chandigarh as a part of National Science Day celebration sponsored by Punjab State Council for Science and Technology on 25th February 2019.

Student Achievements:

Academic Achievements

Department	Year	Name of the Student	Examination passed	Conducting Organization	Positions
Chemistry	2018	Gurkamal	M.Sc. 3 rd sem	PU	8th
Chemistry	2018	Divya Malhan	M.Sc. 1 st sem	PU	9th
Chemistry	2019	Abhilasha	GATE	IIT	
Chemistry	2019	Kirti Nagarkoti	CSIR-NET	UGC	AIR-23
Chemistry	2019	Versha Saini	CSIR-NET	UGC	

Conferences Participation/Presentations by the Students

S.No	Seminar	Student Name	Class	Topic
1.	Pre-CHASCON, P.U. (Regional)	Simran, Harleen, Sumridhi, Sucheta, Kiran, Asmita, Pratibha, Manuekta, Ritika, Tamanna, Mehak, Kanika, Garima, Bhavna, Chetan, Divya, Sonia, Nitika, Vishruti, Ankita, Manpreet, kanica	M.Sc.-1	Science Communication Workshop
2.	CHASCON, P.U (Regional)	Prachi, Anupampreet	BSc-III (Med)	Poster presentation on Preparation and Application of Activated Charcoal as a Perfect Dye Adsorber.
3.	CHASCON, P.U (Regional)	Manjot Kaur, Sonali Singhal	BSc-III (Non-Med)	Poster presentation on Liquid Desiccant Technology for HVAC Application
4.	CHASCON, P.U (Regional)	Ridhi Bajaj, Kritika Sharma	BSc-III (Non-Med)	Poster presentation on Preparation of Various Kinds of Water Filters
5.	CHASCON, P.U	Divya, Bhawna,	MSc-I	Poster

	(Regional)	Sonali, Anamika		presentation on Synthesis of Cuprammonium Rayon fibres
6.	R. C. Paul Symposium, P.U (National)	Rijuta, Sunidhi	BSc-III (Non-Med)	Poster presentation on Study of Physico-Chemical Properties of Different Seed Oils.
7.	R. C. Paul Symposium, P.U (National)	Ashima Jagota, Diksha	BSc-III (Med)	Poster presentation on Beating the Pollution With Bioplastic. (Best Poster Presentation)

Intra College and Intercollege Competitions

S.No	Name of the students	Event	Institute	Position
1.	Manjot Kaur	<ul style="list-style-type: none"> • Essay Writing Competition, Inter College Science Fest • Infosys Placement Drive 	MCM DAV College for Women Chitkara University, Rajpura	First Placed as Operations Executive
2.	Ridhi Bajaj and Khushpreet Kaur	<ul style="list-style-type: none"> • Model Making, Inter-College Science Fest 	MCM DAV College for Women	Second
3.	Maninder Beniwal and Komal Rajrana	<ul style="list-style-type: none"> • Model Making, Inter-College Science Fest • Convergys Placement 	MCM DAV College for Women MCM DAV College for	Participation Both got placed

		Drive	Women	
4.	Tabassum Khan	<ul style="list-style-type: none"> • Sports Day Contigent • Rangoli Making UIET Fest GOONJ • Nukkad Natak SOCH Fest 	PU UIET UIET	First First First
5.	Parampreet Kaur	<ul style="list-style-type: none"> • Sports Day Contigent 	P.U.	First
6.	Anika	<ul style="list-style-type: none"> • Inter-College Football Tournament 	P.U	Bronze- Medal
7.	Manisha Sahu	<ul style="list-style-type: none"> • Dance Competition Diwali Fest • Solo Dance, Goonj Fest 	MCM- DAV College for Women UIET	Participation
8.	Sonali, Sonal	<ul style="list-style-type: none"> • Rangoli making 	MCM- DAV College for Women	Consolation Prize
9.	Yashika	<ul style="list-style-type: none"> • Helmet Drive 	Traffic Police Chandigarh MCM- DAV College for Women MCM- DAV College for Women P.U.Chandigarh	Participation
10.	Nancy	<ul style="list-style-type: none"> • NEON MARATHON 	98.3 Mirchi FM	Participation

11.	Suman	<ul style="list-style-type: none"> • NEON MARATHON 	98.3 Mirchi FM	Participation
12.	Raksha	<ul style="list-style-type: none"> • NEON MARATHON 	98.3 Mirchi FM	Participation
13.	Kritika Sharma	<ul style="list-style-type: none"> • NEON MARATHON 	98.3 Mirchi FM	Participation
14.	Muskaan	<ul style="list-style-type: none"> • NEON MARATHON • Open Mic, Diwali Fest 	98.3 Mirchi FM MCM DAV College for Women	Participation Participation
15.	Richa	<ul style="list-style-type: none"> • Convergys Placement Drive 	MCM DAV College for Women	Placed
16.	Himanshi	<ul style="list-style-type: none"> • Infosys Placement Drive 	Chitkara University, Rajpura	Placed as Operations Executive
17.	Kanika	<ul style="list-style-type: none"> • Infosys Placement Drive • Convergys Placement Drive 	Chitkara University, Rajpura MCM DAV College for Women	Placed as Operations Executive Placed
18.	Sonali Singal	<ul style="list-style-type: none"> • Essay Writing, Inter College Science Fest 	MCM DAV College for Women	Participation

19.	Rashim Goyal	<ul style="list-style-type: none"> • Poster Presentation in ‘Sci-Fest 2019’. • Research Paper Presentation entitled “Dose of Happy Chemicals” in international conference on ‘Soul in Symphony: Spiritual and Pragmatic Aspect of Happiness’ • Poster Presentation in ‘Sci-Fest 2019’. • Participated in ‘Mimamsa 2019 Prelims’ • Participated in ‘6th IAPT National Student Symposium 2018’ • Participated at ‘India International Science Fest 2018’ 	<p>Thapar institute of Engineering and Technology</p> <p>MCM-DAV College for Women</p> <p>MCM-DAV College for Women</p> <p>IISER, Pune</p> <p>Panjab University</p> <p>Panjab University</p>	<p>3rd Position</p> <p>Participation</p> <p>1st Position</p> <p>Participation</p> <p>Participation</p> <p>Participation</p>
20.	Rehmat Brar	<ul style="list-style-type: none"> • Campus Ambassador for AANIWIK 	UICET, PU	

		<p>UICET Fest on Environmental Sustainability.</p> <ul style="list-style-type: none"> • Participated in MUN on environmental Sustainability’ • Power Point Presentation Making Competition on ‘Use of Artificial Intelligence in environmental Sustainability’ • Presented a Model on Carbon Capture Plant in Environment Fest. • Participated in a workshop on MAT-LAB. 	<p>UICET, PU</p> <p>UICET, PU</p> <p>PGGCG-42</p> <p>MCM-DAV College for Women</p>	
21.	Riya Chhabra	<ul style="list-style-type: none"> • Rangoli making Competition in Science Fest 2019. 	GCG-42	1 st Position
22.	Simran	<ul style="list-style-type: none"> • Best Painting Award 	Doaba College, Jalandhar	1 st Position

23.	Prachi	<ul style="list-style-type: none"> Overall Best Painting Award 	Doaba College, Jalandhar	1 st Position
24.	Payal	<ul style="list-style-type: none"> Best Awareness award in Gastrofest 	Doaba College, Jalandhar	1 st Position
25.	Harleen	<ul style="list-style-type: none"> Best overall Sciencetoon Award 	Doaba College, Jalandhar	1 st Position

Students Placement Data 2017-18

Sr. No.	Name of the Student	Class	Name of the Company	Salary offered
1	Harshita	BSc III	IDSIL	1.3 lac
2	Simranpreet Kaur	BSc III (Med)	IDSIL	1.3 lac
3	Sanya Chauhan	BSc III (MFT)	IDSIL	1.3 lac
4	Aastha Ghai	BSc III (Med)	IDSIL	1.3 lac
5	Navya	BSc III (MFT)	IDSIL	1.3 lac
6	Dibjot Kaur	BSc III (MFT)	IDSIL	1.3 lac
7	Saima Hasib	BSc III (MFT)	IDSIL	1.3 lac
8	Simran Sharma	BSc III (MFT)	IDSIL	1.3 lac
9	Isshu	BSc III (MFT)	IDSIL	1.3 lac
10	Riya	BSc III (MFT)	IDSIL	1.3 lac
11	Jaspreet Kaur	BSc III (MFT)	IDSIL	1.3 lac
12	Mehak	BSc III	Go Air	4.8 lac
13	Sakshi Muwal	BSc III (Med)	Eclerx	1.98 lac
14	Sana Kumar	BSc III	Tommy Hilfiger	2.4 lac

15	Arshveer	BSc III	Infosys	2.5 lac
16	Yashika Aggarwal	BSc III	Infosys	2.5 lac
17	Pallavi Ashri	BSc III	Infosys	2.5 lac
18	Shayna Chhabra	BSc III	Infosys	2.5 lac
19	Manpreet Kaur	BSc III	Infosys	2.5 lac
20	Pooja Paliwal	BSc III	Infosys	2.5 lac
21	Priyal Dhembla	BSc III	Infosys	2.5 lac
22	Simran Rani	BSc III	Infosys	2.5 lac
23	Kalpana Garg	BSc III	Infosys	2.5 lac
24	Ankita	BSc III	Infosys	2.5 lac
25	Komalpreet Kaur Brar	BSc III	Infosys	2.5 lac
26	Parampreet Kaur	BSc III	Infosys	2.5 lac
27	Kiranpreet kaur	BSc III	Infosys	2.5 lac
28	Umang Sharma	BSc III	Infosys	2.5 lac
29	Aashima	BSc III	Infosys	2.5 lac
30	Rajinder Kaur	BSc III	Infosys	2.5 lac
31	Muskan Gulati	BSc III	Infosys	2.5 lac
32	Harshita Sharma	BSc III	Infosys	2.5 lac
33	Leeza	BSc III	Infosys	2.5 lac
34	Sonal	BSc III (Med)	Convergys India Services Ltd.	2.9 lac
35	Komalpreet Kaur Brar	B.Sc.(Non-Medical) III	Convergys India Services Ltd.	2.9 lac
36	Anjali	B.Sc.(Non-Medical) III	Convergys India	2.9 lac

			Services Ltd.	
37	Simran Khosla	B.Sc.(Non-Medical) III	Wipro	1.7 lac
38	Leeza	B.Sc.(Non-Medical) III	Wipro	1.7 lac
39	Kalpana Garg	B.Sc.(Non-Medical) III	Wipro	1.7 lac
40	Priyal Dhembla	B.Sc.(Non-Medical) III	Wipro	1.7 lac
41	Anjali	B.Sc.(Non-Medical) III	Wipro	1.7 lac
42	Ankita	B.Sc.(Non-Medical) III	Wipro	1.7 lac
43	Harshita Sharma	B.Sc.(Non-Medical) III	Wipro	1.7 lac
44	Muskan Gulati	B.Sc.(Non-Medical) III	Wipro	1.7 lac
45	Parampreet Kaur	B.Sc.(Non-Medical) III	Wipro	1.7 lac
46	Radhika Goel	B.Sc.(Non-Medical) III	Wipro	1.7 lac
47	Arshveer	B.Sc.(Non-Medical) III	Wipro	1.7 lac
48	Umang Sharma	B.Sc.(Non-Medical) III	Wipro	1.7 lac
49	Nishtha Jain	B.Sc.(Non-Medical) III	Wipro	1.7 lac
50	Taniya Arora	B.Sc.(Non-Medical) III	Wipro	1.7 lac
51	Komalpreet Kaur Brar	B.Sc.(Non-Medical) III	Wipro	1.7 lac
52	Shayna Chhabra	B.Sc.(Non-Medical) III	Wipro	1.7 lac
53	Tanvi Pathania and Arpita Mehta	M.Sc. Chemistry	Winsome Intellectual property Solutions	2.4 lac

			LLP	
--	--	--	-----	--

Department of Botany:

Faculty achievements

1. Dr Gunjan Sud

Presentation in National/International Conference

S.No	Title
1.	KashikaThanta & Gunjan Sud. 2019. Wild edible plants in Kotkhai(Shimla hills). <i>In:</i> 13 th Chandigarh Science Congress (CHASCON), 13.3.2019-15.3.2019. Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC). <i>Poster presentation</i>
2.	Ina Sharma & Gunjan Sud. 2019. Spring weeds in Compositae(Sunder Nagar town) <i>In:</i> 13 th Chandigarh Science Congress (CHASCON), 13.3.2019-15.3.2019, 2019. Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC). <i>Poster presentation</i>
3	Diksha & Gunjan Sud. 2019. Pteridophytes of Chandigarh. <i>In:</i> 13 th Chandigarh Science Congress (CHASCON), 13.3.2019-15.3.2019. Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC). <i>Poster presentation</i>

2. Dr Purnima Bhandari

Presentation in National/International Conference

S.No	Title
1.	Chakshu, Navneet and Purnima Bhandari. 2019. Supplementation of glucose modulates salt stress in <i>Cicer</i>

arietinum L. genotypes. *In: 13th Chandigarh Science Congress (CHASCON), 13.3.2019-15.3.2019. Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC). **Poster presentation***

2. Garima and **Purnima Bhandari**. 2019. Exogenous nitric oxide alleviates salinity stress in chickpea plants. *In: 13th Chandigarh Science Congress (CHASCON), 13.3.2019-15.3.2019. Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC). **Poster presentation***
3. Gupta, P., Kaur, A. and **Purnima Bhandari**. 2019. Microbes as bio-fertilizers – future for sustainable agriculture: An overview. *In: MICROCON & PUNJAB STARTUP FEST 2019, International conference on Microbial Biotechnology, 6.3.2019-8.3.2019. Organized by Department of Microbial Biotechnology & Cluster innovation centre in biotechnology BIONEST, Panjab University, Chandigarh-160014. **Poster presentation***

-
- **Recipient of TRAVEL GRANT** - sponsored by **International Union of Biological Sciences (IUBS), Paris** for presenting research work in **ICPEP- 6** (Sixth International Conference on Plants & Environmental Pollution in CSIR-National Botanical Research Institute Lucknow, India. 26th-30th November, 2018).

3. Dr Aditi Shreeya Bali

Publications

S.No	Title
1.	Sidhu, G. P. S., Aditi Shreeya Bali ., Singh, H. P., Batish, D. R., & Kohli, R. K. (2018). Ethylenediaminedisuccinic acid enhanced phytoextraction of nickel from contaminated soils using <i>Coronopus didymus</i> (L.) Sm. <i>Chemosphere</i> , 205, 234-243.
2.	Sidhu, G. P. S., Aditi Shreeya Bali , Singh, H. P., Batish, D. R., & Kohli, R. K. (2018). Phytoremediation of lead by a wild, non-edible Pb accumulator <i>Coronopus didymus</i> (L.) Brassicaceae. <i>International journal of phytoremediation</i> , 20(5), 483-489.

-
3. Kumar, V., Sharma, A., Kaur, P., Sidhu, G. P. S., **Aditi Shreeya Bali**, Bhardwaj, R., Thukral, A.K. & Cerda, A. (2019). Pollution assessment of heavy metals in soils of India and ecological risk assessment: A state-of-the-art. *Chemosphere*, 216, 449-462.
-

4. Dr. Ruby Singh

Presentation in National/International Conference

S.No	Title
1.	Ruby Singh and Bimal, R. 2018. In Vitro Plant Regeneration in Tuberose. <i>In: Bio-cAMP 2018, a National Symposium on" Current Trends and future prospects in Biotechnology</i> organised by Department of Biotechnology, UIET, Panjab University, Chandigarh November 1-2, 2018. <i>Poster presentation.</i>

Student(s) achievements

- Ritu Singh and Deepika Khatri** of B.Sc. (III) Medical **bagged second prize in *Pictionary*** in Environment Fest organized by Post Graduate Government College of Girls, Sector-42, Chandigarh on 2.2.2019.
- Simran Nagpal and Anupampreet Kaur** of B.Sc. (III) Medical **bagged first prize in *Rangoli making*** in Environment Fest organized by Post Graduate Government College of Girls, Sector-42, Chandigarh on 2.2.2019.
- Prachi Gupta** of B.Sc. (III) Medical **bagged first prize in *Tile Painting*** in Environment Fest organized by Post Graduate Government College of Girls, Sector-42, Chandigarh on 2.2.2019.
- Simran** of B.Sc. (III) Medical **bagged appreciation award in *Painting*** in Scifeista-2019 organized by Doaba College, Jalandhar on 16.2.2019.

5. **Prachi** of B.Sc. (III) Medical **bagged overall best painting award** in Scifeista-2019 organized by Doaba College, Jalandhar on 16.2.2019.
6. **Payal** of B.Sc. (II) Medical **bagged best awareness award** in Gastrofest in Scifeista-2019 organized by Doaba College, Jalandhar on 16.2.2019.
7. **Harleen** of B.Sc. (II) Medical **bagged best overall Sciencetoon award** in Scifeista-2019 organized by Doaba College, Jalandhar on 16.2.2019.
8. **Sweetie Bisla** of B.Sc. (III) Medical cleared IITJAM 2019 (Biological Sciences and Biotechnology) with AI rank 546 and 415.
9. **Prachi Gupta** of B.Sc. (III) Medical cleared JGEEBILS/TIFR and IITJAM 2019 Biological Sciences with AI rank 112.
10. **Shweta** of B.Sc. (III) Medical qualified JGEEBILS/TIFR and cleared IITJAM 2019 Biological Sciences and biotechnology with AI rank 363 and 438.
11. **Gurpreet Kaur** of B.Sc. (III) Medical cleared IITJAM 2019 Biological Sciences with AI rank 451.

Department of Physics:

- Twenty Two (22) students of B.Sc.-NM III got selected through campus placement in Infosys for the post of operation executive.
- Students of B.Sc.-II NM [Priyanka (Roll No. 303) and Sonika (Roll No. 330)] participated in inter-college football match and won bronze medal.
- Yashaswini (Roll No. 303), a student of B.Sc.-II NM achieved second position in dustbin making competition held in college premises.
- Vijayata (Roll No. 301) a student from B.Sc.-II NM participated in Declamation competition held in Sanskrit Department of College and achieved 1st position.
- Sonika (Roll No. 330) a student from B.Sc.-II NM participated in inter-college fencing competition and won two bronze medals in team

game and one bronze medal in individual game.

- Vani seth (Roll No. 316) a student from B.Sc.-II NM won 1st prize in poster making competition and 2nd prize in Rangoli making competition in Science fest and Diwali Fest respectively.

Teachers of the Department published following books/ research publications

- “Statistical and Thermodynamics” for B.Sc II by Dr. Renu Bedi.
- “Quantum Physics” for B.Sc II and “ Mechanics” for B.Sc I by Raman Chadha.
- “Nuclear Physics” for B.Sc III by Poonam Jain.
- Lab Manual for Practical Physics B.Sc I Dr. Renu Bedi, Ms. Raman Chadha and Ms. Poonam Jain
- Lab Manual for Practical Physics B.Sc II - Dr. Renu Bedi, Ms. Raman Chadha and Ms. Poonam Jain
- Lab Manual for Practical Physics B.Sc III - Dr. Renu Bedi, Ms. Raman Chadha and Ms. Poonam Jain

Faculty publications

Dr. Renu Bedi:

- Published **Lab workbook for Practical Physics** of B.Sc. III (Ed. 2018), (Mohindra Publishing House) (ISBN 978-93-86558-47-3).

Ms Raman Chadha

- Published Lab workbook for Practical Physics of B.Sc. III (Ed. 2018), (Mohindra Publishing House) (ISBN 978-93-86558-47-3).

Ms Poonam Jain

- Published Lab workbook for Practical Physics of B.Sc. III (Ed. 2018), (Mohindra Publishing House) (ISBN 978-93-86558-47-3).

Dr. Renu Bedi:

- Member of Choice based credit system (CBCS) committee in Department of Physics, Punjab University.
- Member of Board of Studies, Panjab University, Chandigarh.
- Appointed paper setter for under graduate classes.

Mrs. Raman Chadha

- Convener of NIRF.
- Convener of Scholarship committee.
- Coordinator of CII committee.
- Paper setter for University Examinations.
- Organized various medical camps and lectures by eminent doctors and medical experts in the college.

Mrs. Poonam Jain

- Member of Choice based credit system (CBCS) committee in Department of Physics, Punjab University.
- Convener of Renewable Energy committee.
- Convener of Disaster management committee.
- Convener of Environment committee.
- Coordinator of CII committee.
- Paper setter for University Examinations.

Dr. Yogita Batra

- Attended refresher course on **Research methodology** conducted by HRDC, Punjab University from 31.08.18 to 19.09.18.
- She is a core member of Placement Cell and coordinator of Infosys placement drive. 22 students from college got selected for Infosys and were offered placement in Infosys as operation executive.

Dr. Renu Bala

- Delivered an invited talk in PRL Ahmadabad in March, 2018.
- Attended conference on **Technological Empowerment of Women** organized by National Academy of Sciences at Vigyan Bhawan, New Delhi on 8th and 9th March, 2018.
- Attended refresher course on **Physics** from 12 Nov, 2018 to 02 Dec, 2018 at University of Allahabad.

- Published paper in **Phys. Rev. B** 97, 155147 (2018) titled “Conditions where random phase approximation becomes exact in the high-density limit”, authors Klaus Morawetz, Vinod Ashokan, Renu Bala, and Kare Narain Pathak

Dr. Runjun Sarma

- Completed Certificate course on patent DL1101 under *World Intellectual Property Organization, World Intellectual Property Organization (WIPO)*
- Selected as editorial board member for the journals 1) International Journal of Nanomaterials and Nanostructures 2) International Journals of Nanobiotechnology

Department of Zoology:

Dr. Ravneet Kaur

Publications:

- **Kaur, R.,** Singh, D. and Kaur, H. 2018. Morphotaxonomy, External Genitalia and Comparison of Similarity Coefficients with Random Amplification of Polymorphic Markers in the Population of *Eocanthecona Furcellata* (Wolff.) (Heteroptera: Pentatomidae: Asopinae) from North India. *Ann. Entomol.*, 36 (01): 35-44 (Published by Surya International Publications, Dehradun) (ISSN 0970-3721) **UGC JOURNAL NO.: 15548; NAAS Rating: 3.4.**
- **Kaur, R.** 2018. Morphological variation of closely related three species of genus *Cahara* (Hemiptera: Pentatomidae: Pentatominae: Halyini) from North India. *Ann. Entomol.*, 36 (02): 113-123. **UGC JOURNAL NO.: 15548; NAAS Rating: 3.4.**

STUDENT ACHIEVEMENTS

- **Aastha** of B.Sc. Medical (2015-2018)
 - Qualified IIT JAM-2018 in Biological sciences (BL)- All India Rank (AIR)- 16
 - Qualified IIT JAM-2018 in Biotechnology (BT) – AIR- 10
 - Qualified JNU CEEB-2018 AIR- 4

- Selected for M.Sc. in Life sciences (JNU EEB- 2018)
- Qualified JGEEBILS- 2018
- Joined Integrated PhD programme in Department of Biological Sciences, TIFR, Mumbai

➤ **Aarzo Jindal** of B.Sc. Medical (2015-2018)

- Qualified JNU CEEB - 2018 - All India Rank (AIR)- 91
- Qualified IIT JAM - 2018 in Biological sciences (BL)- AIR- 22
- Qualified IIT JAM – 2018 in Biotechnology (BT)-AIR 52
- Joined Department of Biotechnology, Savitribai Phule Pune University

➤ **Shivani** of B.Sc. Medical (2015-2018)

- Qualified JGEEBILS for TIFR (Mumbai), TCIS (Hyderabad) and NCBS (Bangalore)

➤ **Divya Khasa & Deepti** of B.Sc II (Medical) presented a poster entitled “Preliminary survey on the insect fauna of MCM DAV College for Women, Sector 36-A, Chandigarh (U.T.)” during 13th Chandigarh Science Congress held at Panjab University, on March 13-15, 2019.

➤ B.Sc. II & III Medical students participated in DBT Sponsored **Doaba Scifesta-2019** at Doaba College, Jalandhar on Feb. 16, 2019 and bagged 5 prizes in the following categories:

S. No.	Names of the students	Event	Position/Prize
1.	Parikha, Chhavi & Nandini (B.Sc. II Med.)	Idea Competition	Best Awareness award
2.	Simran (B.Sc. III Med.)	Painting	Appreciation Award
3.	Prachi (B.Sc. III Med.)	Painting	Overall Best painting award
4.	Payal (B.Sc. II Med.)	Gastrofest	Best Awareness award
5.	Harleen (B.Sc. II Med.)	Sciinton	Best overall Sciinton award

- B.Sc. Medical students participated in an inter-college event “**Environment Conservation fest**” organized by PG Govt. College for Girls, Sector-42, Chandigarh on Feb. 02, 2019 and won following prizes:

S. No.	Names of the students	Event	Position/Prize
1.	Ritu Singh & Deepika Khatri (B.Sc. III Med.)	Pictionary	2 nd Position
2.	Simran Nagpal & Anupampreet (B.Sc. III Med.)	Rangoli Making	1 st Position
3.	Prachi Gupta (B.Sc. III Med.)	Tile Painting	1 st Position

- **Rashi Jain** of B.Sc. I (Medical) gave presentation during Idea and design competitions organized by Institution’s Innovation Council on 29.03.2019 under the aegis of MHRD’s Innovation Cell and got selected for next level of competition i.e. proof of concept development.
- **Muskan** and **Mehak Kaur** of B.Sc. III (Medical) qualified Combined Defense Services examination, 2019.

19. List of short-term training courses/workshops conducted for students and faculty, including title, duration, no. Of beneficiaries

Department of Food Science:

Title	Duration	No. of participants		
		Students	Teacher s	Lab Attendant s
Workshop on “Fun with Science@ Foldscope” conducted under the grant obtained from DBT, Ministry	On four different dates (One day each) : 1) July 17,2018; 2) August 8, 2018 3) August 11, 2018 4) September 11, 2018.	30 students per day	05	02

Title	Duration	No. of participants		
		Students	Teacher s	Lab Attendant s
of Science and Technology.				
Hosted 17 th round of SKA-Asia Quiz Competition 2018 in association with CII, (CII-SKA) and Food Safety and Standards Authority of India (FSSAI) supported and sponsored by Star College Scheme, DBT.	07 Dec, 2018 (1 day)	02	06	02
Organized Hands on Training Workshop on “Cultivation of Oyster Mushroom <i>Pleurotus</i> spp.) in bags and plastic bottles using Agri-Kitchen waste.	13 th and 14 th March 2019 (2 days)	47 Participants BSc.(Medical) , MCM DAV College, SD College, Chandigarh, Post-graduate College for Girls, Sector- 11	04	01
Under the aegis of DAV College Managing Committee, New Delhi, the department organized	29 Jan 2019- 09 March, 2019			

Title	Duration	No. of participants		
		Students	Teacher s	Lab Attendant s
<p>“Industry-Academia Interface Series” with the primary objective “To Foster Future Microbiologists and Food Technologists”</p> <p>Session I: Conducted by Mr. Sidhant Banura, Director-Ashvamegha Solutions, Amritsar.</p> <p>Session II: Conducted by Mr. Keshav Kishore Upadhyay, Registrar, University of Allahabad and Ex QA executive in Parle and Pepsico.</p> <p>Session III: Conducted by Mr.Pawan Kamra Managing</p>	<p>29.1.2019</p> <p>23.2.2019</p> <p>2.3.2019</p>	<p>170</p> <p>162</p> <p>155</p>	<p>4</p> <p>4</p> <p>4</p>	<p>2</p> <p>2</p> <p>2</p>

Title	Duration	No. of participants		
		Students	Teacher s	Lab Attendant s
Director, Nutraeutex, Chandigarh AgritechPvt. Ltd				

Department of Chemistry:

S.No	Topic	Date	Speaker	No of beneficiaries
1.	Lecture cum Workshop on Nanoparticles	9 th August, 2018	Prof. Ahmad Umar, Najran University, Saudi Arabia	40
2.	Inter-college scientific model making competition on the theme “Wonders of Science”.	4 th October 2018	Sponsored by DST Chandigarh	100
3.	Delivered a lecture on ‘Awareness on Primary Immunodeficien cy Diseases (PID)’	21 st February 2019	Prof. Nima Rezaei, Tehran University, Iran	300

Department of Botany

S. No	Title of lecture	Date	Speaker	Designation	No of beneficiaries
----------	------------------	------	---------	-------------	---------------------

1.	Grow your own food	1.8.2018.	Mr. Rahul Sharma	Computer Engineer turned farmer	B.Sc. 2 nd and 3 rd year medical students attended
2.	Art of Bonsai making	12.10.2018	Dr. Jaspreet Kaur	Assistant Professor, Department of Botany, Panjab University, Chandigarh	52 students of B.Sc. Medical, 11 malis and 5 teachers
3.	Inter-College Declamation and Essay writing competition on Genetically modified crops: Boon or Bane?	4.10.2018	Chief guest Prof. Promila Pathak	Professor, Deptt. of Botany, Panjab University, Chandigarh	6 teams from different colleges participated in the event.

Department of Physics:

I. Workshop on ‘Green Good Deeds

With a vision to promote Physics as well as to provide the students a platform for showcasing their talent, Department of Physics instituted **PHYSICS SOCIETY** having students from all classes [B.Sc. (Non-medical and Vocational)]. A fun filled and educational event has been organized Physics fest on 4th Oct, 2018 for B.Sc. II Non-Medical and Vocational students on **Theme: ‘Green Good Deeds’**. Dr. Promila Pathak from Department of Botony, Panjab University was invited as Chief Guest. Around 100 science students participated in the fest. Following activities were organized:

- i. Poster Making
- ii. Power Point Presentations
- iii. Collage Making

Impact: Students got the chance to show-case their talents in various activities related to Physics.

II. Power Sector Sustainability

Department organized two day workshop on **Power Sector Sustainability** on 22-23rd Oct, 2018 sponsored by Rashtriya Uchchattar Shiksha Abhiyan (**RUSA**). 35 students of B.Sc. III (Non-Medical and Vocational) participated.

On 1st day, Prof. Tarlochan Kaur (PEC, Chandigarh) delivered lecture on **Development of sustainable future for India's electricity sector** and Mr. Sanjeev Verma (Head of Solar Department, Multioverseas) demonstrated the technology of solar panels.

On 2nd day, Prof. Tarlochan Kaur delivered lecture on **Recent challenges in renewable energy sources** and **Smart grid technology**. Her students Ms. Sachpreet Kaur and Mr. Pankaj Verma discussed about Matlab and use of this technology in smart houses.

Impact: The activity proved extremely beneficial in imparting practical knowledge, thereby creating better understanding of the subject of Power Sector Sustainability & the technology of solar panel in students and their skill development. The main motive of the workshop was to inculcate scientific temperament in the students and teach them to make various projects at low cost.

III. "Time management and career counseling"

A special talk by Dr. Babita Dosanjh (Dean, Amity University) on the topic "Time management and career counseling" also has been organized which was sponsored by Infomaths on 23rd Oct, 2018 in Multimedia Hall. This was interdisciplinary talk for medical and non medical students. 200 students from various disciplines participated.

Impact: This workshop would help students learn and appreciate the role of time management in day to day activities.

IV. "Learning with Light"

The department of Physics of MCMDAV college organized experimental demonstration on phenomenon of light titled "Learning with Light" by Optical Devices & Systems Division and Photonics Department of CSIR-

Central Scientific Instruments Organization. on 17th Nov, 2018 at 10.00 am.

34 students from B.Sc.I and II (Non-Medical) participated.

Impact: This activity served as a motivational initiative to inculcate the scientific aptitude & temperament, to fire the imagination and creativity, foster the spirit of enquiry and exploration among the students.

Department of Zoology

S. No.	Title of the workshop	Speaker	Designation	Date	Duration	No of Beneficiaries
1.	Training workshop on 'Aquaponics'	Mr. Himank Kakkar	A young entrepreneur with engineering background practicing the technique at his own residence at Sector-23, Chandigarh	03.05.18	One day	30 (B.Sc. Med.)
2.	Workshop on "Foldscope as a field diagnostic tool for animal parasitic diseases with emphasis on canine zoonotic parasites"	Dr. M.S. Bal	Scientist, Animal Disease Research Centre, GADVASU, Ludhiana	25.09.18	One day	25

3.	RUSA sponsored Workshop on 'Power Sector Sustainability'	Dr. Tarlochan Kaur	Chairperson, Center for Energy Studies, Punjab Engineering College, Chandigarh	22.10.18 & 23.10.18	Two days	100 (B.Sc. Med. & Non Med.)
4.	Workshop on 'Cognitive Skills, Design Thinking and Critical Thinking' organized by Institution's Innovation Council under the aegis of MHRD's Innovation Cell	Dr. Shilpa Suri	Deputy chairperson, CII Indian Women Network , Tricity chapter	04.04.19	One day	50 (B.Sc. Med., Non Med., MFT)

20. Guest lectures (details like name of scientist, topic, no. of students) number of students

Department of Food Science:

S. No.	Speaker's Name	Title of the lecture	No. of Students	Date
1.	Dr. Kaushal Sood, Assistant Professor, Centre for Biotechnology and Bioinformatics, Dibrugarh University, Assam	Workshop series on "Fun with Science @ Foldscope"	30	17.07.2018
2.	Dept. of Botany, Raj Rishi PG College, Alwar, Rajasthan	Workshop series on "Fun with Science @ Foldscope"	30	8.08.2018
3.	Dr. Kaushal Sood, Assistant Professor, Centre for Biotechnology and Bioinformatics,	Workshop series on "Fun with Science @ Foldscope"	30	11.08.2018

	Dibrugarh University, Assam			
4.	Animal Disease Research Centre, Guru Angad Dev Veterinary University, Ludhiana	Workshop series on “Fun with Science @ Foldscope”	30	11.08.2018
5.	Mr. Sidhant Banura Director, Ashvamegha Solutions, Amritsar	Opportunities to grab: Skills to have for success	170	29.01.2019
6.	Mr. Keshav Kishore Upadhyay Registrar, University of Allahabad	Development of Beverage Industries	162	23.02.2019
7.	Mr. Pawan Kamra Managing Director, Nutraceutex, Chandigarh Agritech Pvt. Ltd	Super Critical Food Extraction of Bio Actives	155	2.03.2019

Department of Chemistry:

S.No.	Date	Guest Lecture	Topic	No. of Students
1.	09.08.2018	Prof. Ahmad Umar, Najran University, Saudi Arabia	Delivered a lecture cum workshop on ‘Nanoscience, Nanotechnology and its Environmental Applications’	40
2.	21.02.2019	Prof. Nima Rezaei, Tehran University, Iran	Delivered a lecture on ‘Awareness on Primary Immunodeficiency Diseases (PID)’	150
3.	25.02.2019	Dr. Deepak Salunke, PU, Chandigarh	Delivered a Lecture on ‘Pharmaceutical Chemistry-Contribution	39

			to Society'	
4.	05.03.2019	Dr. Yogesh Nagpal, Winsome Intellectual property Solutions LLP.	Lecture on Intellectual Property Rights	26
5.	29.03.2019 30.03.2019	Dr. Angshuman Roy Choudhary	Molecular and Crystallographic Symmetry	37

Department of Botany:

S. No	Speaker's Name	Designation	Title of the lecture	No. of Students attended	Date
1.	Dr S.P. Khullar	Professor Emeritus, Department of Botany, Panjab University, Chandigarh	Plant in Everyday Life	B.Sc I and II (Med.) 100 Students attended	25.2.2019

Department of Physics:

S. No.	Speakers name	Designation	Title of the lecture	No. of students attended	Date
1.	Dr. Vivek Kumar	Assistant Professor, Department of Medical Physics, Panjab University.	Nuclear Medicines and Importance of Medical Physics	100	04.10.2018
2.	Prof. Tarlochan Kaur	Professor, PEC, Chandigarh	Development of sustainable future for India's electricity sector and Recent challenges in	50	23.10.2019

			renewable energy sources and Smart grid technology		
3.	Dr. Babita Dosanjh	Dean, Amity University	Time management and career counselling	100	23.10.2019

Department of Zoology:

S. No.	Speaker's Name	Designation	Title of the lecture	No. of Students	Date
1.	Prof. Nima Rezaei	Professor, Clinical Immunology, Associate Dean of International Affairs, Director, Global Academic Programme, Tehran University of Medical Sciences (Iran)	Primary Immunodeficiency Diseases	200 (B.Sc. Medical, Non Medical, MFT)	21.02.2019
2.	Ms. Aastha	Pursuing Integrated M.Sc. Ph.D. course in Life Sciences	Tips to crack entrance exam and interview for integrated M.Sc. Ph.D. Programme	100 (B.Sc. Medical)	22.02.2019

		at TIFR, Mumbai	at TIFR		
3.	Prof. Neelima R. Kumar	Professor, Department of Zoology, Panjab University Chandigarh	Role of Insects in Ecosystem	100 (B.Sc. Medical & Non-Medical)	25.02.2019
4.	Mr. Vimal Bhutani	Director, Biotech Sapiens, Chandigarh	Career Opportunities in Life Sciences	100 (B.Sc. Medical & Non Medical)	07.03.2019
5.	Dr. Upenderjeet Singh Gill	Assistant Director Malaria (NVBDCP)-cum-State Surveillance Officer-Integrated Disease Surveillance Program (IDSP), Chandigarh	Vector borne diseases	100 (B.Sc. Medical, Non Medical, MFT)	08.04.2019

21. Visits to industries, institutes (name of place, duration of visit and no. Of students)

Department of Food Science:

1. Visit to Yakult Danone India Pvt. Ltd., Sonipat, Haryana as part of Industrial-Academia Interface Series Programme on 9th February, 2019.

Number of students = B.Sc. MFT 3rd year = 45; Faculty Involved = 02

2. Visit to Bonn Nutrients Private Limited, S.S. Food Industries, Ludhiana as part of Industrial-Academia Interface Series Programme on 16th February, 2019.

Number of students = B.Sc. MFT 2nd year = 43; Faculty Involved = 02

Department of Chemistry

P.G. Department of chemistry organized an industrial visit to **PAGRO Frozen Foods Pvt. Ltd., Sirhind, Shri Fatehgarh Sahib** for B.Sc III students where the technique of freezing and processing of various seasonal vegetables was demonstrated to them.

Department of Botany

S.No.	Name of Place	Duration of Visit	No. of students
1.	Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan	1 day (28.1.2019)	38 students of B.Sc. I, II and III (Med.) visited the university
2.	Field visit to Kausauli hills	1 day 19.11.2018	49 students of B.Sc. I, II and III (Med.) visited the area

Department of Physics

S. No.	Name of Place	Duration of Visit	No. of students
1.	Pushpa Gujral Science city	one day	113
2.	Kurukshetra University	one day	23
3.	Apex institute of robotics, Mohali	one day	23

4.	Cream bell ice cream plant	one day	15
6.	National Fertilizers Limited Nangal Unit, <i>Punjab</i>	one day	40

Department of Zoology

Session	Name of Place	Duration of Visit	No. of students
28-09-2018	Visit To Central Poultry Development Organization (Northern Region), Chandigarh	One day	34
10.10.2018	Visit To Science City, Kurukshetra	One day	26
18.11.2018	Field Trip to Nagar Van (City Forest), Chandigarh	One day	25
23.01.2019.	Visit to Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26, Chandigarh	One day	20
26-02-2019	Visit To Central Research Institute (CRI), Kasauli	One day	42

22. List of lab manuals/sops generated for all participating departments

Department of Food Science:

- SOPs for MFT Lab 1 equipment under process
- SOPs for all the instruments available in the Departmental labs
- SOP for waste disposal and washing in Microbiology lab
- SOP for disposal of chemical waste generated in labs
- HACCP for hostel mess and college canteen
- Food adulterant detection pamphlets, videos and posters

- Lab manual on
 - Food Engineering,
 - Bio-informatics,
 - Processing of Foods of Animal origin
 - Bioanalytical Techniques

Department of Chemistry:

SOP's for the following instruments have been prepared and exhibited.

- Double-Beam UV-VIS Spectrophotometer
- pH Meter
- Conductivity Meter
- Double Distillation unit
- Rota-Evaporator
- Potentiometer

Department of Botany:

- Preparation of Plant album / Herbarium

Department of Physics:

- Faculty of Physics department prepared LAB MANUAL-
“Lab Workbook for Practical Physics”, B.Sc.-III

Department of Zoology:

SOPs generated for:

- i. Thermal cycler
- ii. Agarose gel electrophoresis
- iii. Polyacrylamide gel electrophoresis
- iv. Transilluminator
- v. Laminar air flow

23. Feedback mechanism adopted (to be indicated in term of how the quality of teaching and hands on training improved)

- Feedback forms filled up by the students through online portal from college website .
- Now, students are able to perform all the practicals individually, giving them confidence during final exams.

- Number of practicals performed has increased, leading to better understanding of the theoretical concepts, thus giving students an edge among their peers in other colleges and universities.
- Projects during final year are now research based rather than review based.

24. Any special innovative approach adopted by the college in improving the UG education

Department of Food science:

- E- lab, the links generated are:
 - https://drive.google.com/open?id=1drmsTFTKL0LhR2n_5VGWveyh8EW55cf5
 - <https://drive.google.com/open?id=1QXxo6aWX-YY98s6uOAGC305U3DsVqKtc>
- Students prepared homemade protocol for the isolation of DNA from fruits and vegetables using detergents, hand sanitizers, pineapple juices, and coriander and garlic juices as alternatives to costly chemical reagents.
- Students developed DNA Isolation Kit for the isolation of bacterial DNA.
- One student (B.Sc. MFT II yr; Ujjwal Roll No.5098 selected by Indian Academy of Sciences for summer research workshop for conduction research on microbiology project.
- One student (B.Sc.MFT-III year, Chhavi Dhiman, Roll no.5063) was awarded Best ideation Award in Microcon-2019 ; National Conference for her topic : “Eco-friendly Approach to Decontaminate Agricultural soil”.
- E-lab: Students of B.Sc.-III successfully optimized and cultivated Oyster mushroom (*Pleurotus* spp.) from garden waste (Dry leaves) and domestic waste in used plastic bottles in form of their research projects. This idea bagged third prize in “Best-Citizen led initiative”

all over India in **Swachh Surveskshan Awards-2019** held on 06 March, 2019. E-link is:

- (https://drive.google.com/file/d/16-n_QO2BCkbbk_jhPIew87X1P8PpgAJ19/view?usp=drivesdk)
- Students involved in mitigation of waste utilization activities such as composting, biogas generation from domestic college waste.
- Participating in oral and poster presentations in National and International seminars and conferences.
- Use of Research Based Pedagogy audio visual tools for theory and practical classes
- Generating inquisitiveness amongst students by conducting various workshops, new experiments, study tours, events and mentorship programme.
- Providing latest updates on contemporary topics and trends in food science and technology to the students.

Department of Chemistry:

- Research based pedagogical tools (RBPT) – Projects were designed and executed for undergraduate students to improve their research aptitude. These included:
 1. Comparison of strength of oxalate ions in fresh and ripened guava.
 2. Preparation and application of Bioplastics.
 3. Preparation and application of organic activated charcoal from.
 4. Comparison of pH/buffer capacity of different cold drinks and juices.
- Implementation of new projects in the under graduate classes.
- Arranged inter-institutional summer / winter projects.
- Introduction of new practicals in the under graduate classes to widen their theoretical as well as experimental knowledge.

- Inclusion of technology based teaching-learning methods like use of new videos, demonstrations widely available in virtual world.
- Regular assignments have increased the aptitude of learning amongst students
- Use of Over-Head projectors, multi-media presentations in delivering lectures.
- Knowledge about the various web sites related to the topics.
- Extra material is provided to advanced learners.
- Establishment and upgradation of departmental library provided easy access of various books to the students
- Introduction of mentorship has provided a platform for strengthening student-teacher relationship.

Department of Botany:

- Introduction of events including seminars, workshops, science fest, quiz competition, poster making etc. that not only involve active student participation but also broaden and enlighten their aptitude for research.
- Taking the students for nature walk, field trips and botanical gardens to provide them firsthand knowledge of flora in natural habitat. University visits help students to visualize and understand the techniques used in the field of research.

Department of Physics:

- More emphasis over hands-on training and education.
- Students are encouraged to participate in various seminars and workshops to prepare them for research in their respective careers.

Department of Zoology:

Under the aegis of MHRD Innovation Cell (MIC), college has set up Institution's Innovation Council with an aim to encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years.

25. A summary on “how the Scheme helped in strengthening of the UG

**education and what would not have been possible without this”
(not more than 1000 characters)**

- All the students were exposed to hands on skills during research projects
- Sufficient availability of chemicals and glass wares facilitated practical learning
- Review projects were converted to research projects
- Industrial visits. Industry-academia interface and guest lecturers were facilitated
- Various workshops, seminars and fests were sponsored by the Star college scheme funding
- Inter departmental and inter college cohesion increased
- College’s and departmental reputation enhanced
- Improved ranking in India Today
- Number of applicants increased and drop –outs decreased
- Number of admissions increased.
- New found confidence and enthusiasm in faculty and students
- Student’s interest in Sciences developed
- Greater number of postgraduate admissions in sciences.

26. Suggestions/feedback for improving the scheme

- Timely release of funds would help maintain the enthusiasm of faculty as well as students.
- Tentative dates for yearly submission of progress report and its format, UC/SE, and presentations should be finalized in the beginning of the session
- Less paper work and more emphasis on, on the spot verification
- Please do not shoot the messenger/Co-ordinator. Star college scheme is a team work which requires focused efforts from administration and the participating departments. In case of short-comings, please indicate/suggest improvements department wise so that specific action is taken.

- Non recurring grant should be increased
- Funding should be provided to establish central instrumentation facility
- Product Development lab for innovative food product development and its shelf-life studies is required
- More computers are required to facilitate teaching and research
- Funding for accessing online library and indexing databases

ANNEXURE- II

B.Sc. – I Year MFT

S.No.	Roll No.	Name
1	4902	Mishika Dhiman
2	4903	Ashpreet Kaur
3	4907	Manisha Kundal
4	4908	Varsha
5	4910	Akshpreet
6	4911	Priyanka
7	4912	Riya Dhiman
8	4913	Anjali Chauhan
9	4914	Sugam Malik
10	4915	Prachi Kaushal
11	4916	Navjodh Kaur
12	4917	Disha Singh
13	4918	Vashnavi Bhanot
14	4919	Asmita Sharma
15	4921	Loveleen Gill
16	4922	Urja Narang
17	4923	Vaishali Saini
18	4924	Simon Madaan
19	4925	Cheshta
20	4926	Ritu Kumari
21	4927	Ridhima Kakkar
22	4928	Seerat Kaur
23	4932	Vijaya Sharma
24	4933	Takshu Jagga
25	4936	Simran Saini
26	4937	Niharika
27	4938	Sargun Gugnani

28	4939	Muskaan
29	4940	Rivya Sharma
30	4941	Khyati Singh
S.No.	Roll No.	Name
31	4942	Khushboo
32	4944	Prabhleen Kaur Saini
33	4945	Suhana
34	4946	Shriya Sood
35	4947	Riya Yadav
36	4948	Janvi Khosla
37	4951	Prabhjot Kaur
38	4953	Shikha Deka
39	4954	Suchint Kaur
40	4956	Aanya Gupta
41	4957	Aashna Vasudeva
42	4958	Ramandeep Kaur
43	4959	Diksha

44	4961	Kiran Verma
45	4962	Ishika
46	4963	Bharti
47	4964	Ishita Goswami
48	4965	Parishi
49	4967	Shambhavi
50	4968	Arshdeep Kaur
51	4969	Jhanvi
52	4970	Navya
53	4972	Palak Jindal
54	4973	Bhavana
55	4974	Aditi
56	4976	Diksha
57	4977	Ritika
58	4978	Mehakleen
59	4979	Yashita
60	4980	Chetali

ANNEXURE-III

B.Sc. II Year MFT

S.No	Roll No.	Name
1	5001	Sunita Sharma
2	5002	Manvi Jindal
3	5004	Aditi Bhagat
4	5006	Sherry
5	5007	Ankita Mandyal
6	5008	Nishika
7	5009	Uditi Moudgil
8	5010	Shania Saini
9	5011	Vanshika Sharma
10	5013	Vanshika Arora
11	5014	Gurleen Kaur
12	5015	Aparna Mahajan
13	5016	Kajol
14	5017	Gulafshan
15	5019	Garimaji

16	5020	Pragya Singh
17	5021	Tanya
18	5022	Navleen Virk
19	5023	Ishita Pabbi
20	5024	Aditi Guleria
21	5025	Khushneet Kaur
22	5026	Kiran Verma
23	5027	Tanya
24	5028	Urvashi
25	5029	Ishita
26	5030	Harneev Kaur Saini
27	5031	Mahima
28	5032	Manjotpreet Kaur
29	5033	Simran Choudhary
30	5034	Arya Gargi
31	5035	Tania Thakur

32	5037	Cheena Mehta
S.No	Roll No.	Name
33	5038	Manjot Kaur
34	5039	Amanpreet Kaur
35	5040	Komal Ladhar
36	5041	Srishty Dewan
37	5042	Saloni
38	5043	Anju Jeena
39	5045	Anjali Devi
40	5046	Mandeep Kaur
41	5047	Simerpreet Kaur
42	5048	Vanshika Tiwari
43	5049	Simrat Kaur
44	5050	Muskaan Sachdeva
45	5902	Yogita
46	5903	Bhawna
47	5904	Amanpreet Kaur

48	5905	Diksha Gakhar
49	5907	Nancy Aggarwal
50	5908	Prerna Vaish
51	5911	Shambavi
52	5912	Natasha
53	5913	Parul Joshi
54	5905	Mansi Sharma
55	5910	Inderdeep Kaur
56	5915	Kritika Gupta
57	5914	Priya Khurana
58	5917	Bhinashu Talwar
59	5918	Anureet Kaur
60	5919	Kanika
61	5921	Muskan Goyal
62	5920	Shubhangna
63	5922	Divya Roop

ANNEXURE-IV
B.Sc. III Year MFT

S.No	Roll No.	Name
1	5051	Ritika Mittal
2	5054	Tejaswini Jaswal
3	5055	Gursimran Kaur
4	5057	Prachi Minhas
5	5058	Medhavi
6	5059	Navneet Kaur
7	5060	Purva Aggarwal
8	5061	Lovepreet Kaur
9	5063	Chhavi Dhiman
10	5064	Anjali Rahlan
11	5066	Gurleen Pannu
12	5068	Sonia Kayath
13	5069	Amber Asghar
14	5071	Himanshi Bansal
15	5072	Simranjeet Kaur

16	5073	Kangan K
17	5076	Sonia Sharma
18	5077	Riya
19	5080	Komal Atlas
20	5082	Komal
21	5081	Kulveer Kaur
22	5085	Jhanvi Trehan
23	5087	Vaani Dutta
24	5088	Kamaljit Kaur
25	5089	Sharanya Bhardwaj
26	5090	Nisha Chaudhary
27	5094	Tanvi
28	5098	Ujjwal
29	5100	Bahaar Hundal
30	5945	Aditi Vashisht
S.No	Roll No.	Name

31	5946	Eva Dixit
32	5947	Ramanpreet Kaur
33	5948	Kanika
34	5949	Mahima
35	5951	Komal Kanugo
36	5952	Riya
37	5953	Anuragi
38	5954	Rakshandha Sood
39	5955	Vishwajot Kaur
40	5956	Amandeep Kaur
41	5958	Ananaya Talwar
42	5959	Nikita Sharma
43	5960	Shweta Arora
44	5961	Alka Goel
45	5962	Sarah Sharma

46	5963	Shaheena Singh
47	5964	Iknor Kaur
48	5965	Jasleen Kaur Benipal
49	5966	Diksha Prasher
50	5967	Amandeep Kaur
51	5968	Ramneet Kaur
52	5969	Chahat Verma
53	5971	Sonal Mishra
54	5972	Shagun Bajaj
55	5973	Harshita Arya
56	5974	Japneet
57	5975	Bhavya
58	5976	Shruti Soni
59	4969	Ranshi

ANNEXURE-V

B.Sc. I Year Medical

S.No	Roll No.	Name
1.	601	Arshpreet Kaur
2.	604	Akansha Chaudhary
3.	605	Rashi Jain
4.	606	Ishita
5.	607	Mahak
6.	608	Harjot Kaur
7.	612	Deepanshi Garg
8.	613	Drishti Sharma
9.	614	Arushi Riar
10.	616	Aastha Rawat
11.	619	Navjot Kaur
12.	623	Arshbir Kaur
13.	624	Meghana Goel
14.	625	Ravneet Kaur
15.	626	Neha
16.	627	Jasmine Gupta

17.	628	Ankita Negi
18.	629	Isha Rana
19.	630	Mehak Malhotra
20.	631	Harmanpreet Kaur
21.	634	Bhavna Sharma
22.	635	Sanchita Sakhuja
23.	636	Muskan Guru
24.	637	Annie Bawa
25.	639	Aditi Kumari
26.	640	Chetna
27.	641	Anugya Chauhan
28.	643	Monika
29.	644	Rozy Rangra
30.	646	Nikita Sharma
31.	647	Parima Jaswal
32.	648	Bhavya
33.	649	Aarti Behera
34.	650	Isha Kumari

35.	652	Prabhnoor Dhaliwal
36.	653	Shreya Sharma
37.	655	Arshita Thakur
38.	656	Dipanshi Prashar
39.	657	Jagruti Mishra
40.	658	Arshnoor Kaur
S.No	Roll No.	Name
41.	659	Vishali
42.	660	Isha Kundu
43.	661	Nivedita Thakur
44.	662	Paramjeet Kaur
45.	664	Nancy
46.	665	Shristi
47.	667	Deepti Siwach
48.	670	Bhawna Paliwal
49.	671	Sukhmanveer Kaur
50.	672	Neha
51.	673	Nivedita Sankhiyan
52.	674	Isha Tanwar
53.	675	Akanksha Singh Rana
54.	677	Tavishi Kesar
55.	679	Amisha Garg
56.	680	Janvi

57.	681	Samridhi Rahi
58.	683	Shobhna
59.	684	Arshdeep Kaur Longia
60.	685	Amneet Kaur Badwal
61.	687	Yashmeen Kaur
62.	688	Anchal Kamboj
63.	690	Rinkal
64.	691	Anjali Saini
65.	692	Kashish Kukreja
66.	693	Avika Tyagi
67.	694	Anshul
68.	696	Tanureet Kaur Gill
69.	697	Kaneez Fatima
70.	698	Diksha Mehta
71.	699	Priya
72.	700	Navneet Kaur
73.	701	Mansi Bhullar
74.	702	Shivani
75.	703	Neha Raj
76.	704	Anshula
77.	705	Satwinder
78.	706	Sonia
79.	707	Gurnaaz

ANNEXURE-VI

B.Sc. II Year Medical

B.Sc. (II) Section A			B.Sc. (II) Section B		
S. No.	Roll No.	Name	S. No.	Roll No.	Name
1.	101	Jhanvi Singla	1.	106	Surbhi Bishnoi
2.	102	Priyanshu	2.	108	Vaishali Thakur
3.	103	Jasmine	3.	110	Shivani Sharma
4.	129	Riya	4.	118	Neha Grover
5.	131	Manisha	5.	122	Vanshika
6.	135	Chandandeep Kaur Behl	6.	124	Supriya
7.	139	Palak	7.	130	Preeti Khawla
8.	141	Kashish Bains	8.	134	Rashmi Punia
9.	143	Sakshi	9.	138	Chanchal Chugh
10.	145	Mansi Gautam	10.	140	Shivani
11.	147	Prachi	11.	142	Priya Kumari
12.	151	Deepti	12.	146	Stanzin Angmo
13.	157	Hasandeep Kaur	13.	148	Tania
14.	159	Anjali	14.	150	Chhavi
15.	163	Divya Khalsa	15.	154	Vasudha
16.	165	Balwinder Kaur	16.	160	Aditi Chaudhary

17.	169	Payal	17.	162	Monu Devi
18.	171	Aarushi Chaudhury	18.	164	Saloni Chandel
19.	173	Sanchi Sharma	19.	166	Chahat
20.	175	Muskan Chahal	20.	168	Bhavya Mehta
21.	177	Shweta	21.	170	Jaspreet Kaur
22.	181	Anchal	22.	172	Mahak
23.	185	Alka Gaur	23.	174	Pragya Rathour
24.	187	Divyani Sharma	24.	176	Vijeta
25.	189	Aarzo	25.	178	Prabhjeet Kaur
26.	191	Muskan	26.	180	Vibhuti Sardana
27.	193	Aditi Sharma	27.	182	Ishita Thakur
28.	195	Avi	28.	184	Yashasvi
29.	197	Geetanjali	29.	186	Parikha Banga
30.	199	Mannu	30.	190	Sonia
31.	203	Manisha	31.	192	Akanksha
32.	204	Anjali Devi	32.	194	Vasvi Mehla
33.	205	Kanika Mann	33.	196	Diksha
34.	206	Simran	34.	198	Ankita Sharma
35.	207	Jyoti Jaitak	35.	202	Savitaj Kaur Kullar
36.	208	Khushabu Gupta	36.	236	Minakshi Rana
37.	210	Mansi	37.	237	Vandana
38.	211	Arushi Gupta	38.	238	Garima
39.	213	Sukhveer Kaur	39.	239	Parneet Kaur Mann
40.	215	Nandini Makhija	40.	240	Nitika
41.	217	Rhythm Saini	41.	247	Guneetinder
42.	218	Akshita Sharma			
43.	220	Ritu Nain			
44.	221	Arti Chauhan			
45.	223	Jashveer Kaur			
46.	224	Shivangi Jain			
47.	225	Harleen			
48.	227	Tanvi			
49.	229	Yashmin Kakkar			
50.	230	Muskan Rani			
51.	231	Ashiti Pathania			
52.	232	Jaskirat Kaur			
53.	233	Versha			
54.	243	Chesta			
55.	245	Kuljinder			
56.	248	Riya			

ANNEXURE VII

B.Sc. III year Medical – Section A

S.No	Roll No.	Name
1	2502	Mandeep Kaur
2	2503	Nitika
3	2504	Jaspreet Kaur
4	2505	Gurpreet Kaur
5	2509	Mahak Dhamija
6	2515	Bazila Javid
7	2519	Navdeep Kaur
8	2523	Monika
9	2529	Gurpreet Kaur
10	2533	Pranvi Gupta
11	2537	Akshita
12	2539	Jyotika Aggarwal
13	2545	Riya Middha
14	2549	Navjot Kaur
15	2557	Prachi Gupta
16	2561	Aastha Thakur
17	2565	Ritul Sharma
18	2571	Gunjan Sharma
19	2573	Vitasta Garg
20	2583	Aarzo Sharma
21	2595	Ritambhra Kaushal
22	2601	Prabhjot Kaur Chandel
23	2607	Preeti Malik
24	2609	Simranpreet Kaur
25	2615	Navneet Kaur
26	2619	Garima
27	2621	Money Batra
28	2627	Chakshu Sharma
29	2629	Anjali Kanwal
30	2631	Amanjeet
31	2633	Poonam
32	2635	Shivani
33	2639	Shifa

34	2641	Armanpreet Kaur	53	10451	Gargy Bathla
35	2643	Vandana Rani	54	10452	Kamaldeep Kaur
36	2645	Aayushi Walia	55	10453	Shweta.S
S.No	Roll No.	Name	56	10455	Manvi Bhatia
37	2649	Apurva Bathla	57	10456	Ekta Saini
38	10403	Priya	58	10457	Harnoor Kaur
39	10405	Jashandeep Kaur	59	10458	Sunaina
40	10407	Surbhi Sharma	60	10460	Chhetan Zangmo
41	10425	Amisha Sharma	61	10461	Sukhkirat Kaur
42	10430	Vanshika Bansal	62	10462	Jaspreet Kaur
43	10432	Ritu Singh	63	10464	Nikita Bharti
44	10435	Samridhi Khosla	64	10465	Manvi
45	10437	Shaveta Jain	65	10466	Padma Angmo
46	10438	Navjot Kaur	66	10473	Nikita Bansal
47	10439	Sumitra Devi	67	10475	Tamanna
48	10440	Navdeep Kaur	68	10477	Anjali
49	10441	Neha	69	10479	Nancy Jamwal
50	10446	Ishika	70	10485	Anushka Arora
51	10449	Jyoti Devi			
52	10450	Harmanjeet Kaur			

ANNEXURE VII (contd)

B.Sc. III Year Medical – Section B

S.No.	Roll No.	Name	Sr. No.	Roll No.	Name
1	2506	Kashika Thanta	27	2596	Jaskiran Kaur
2	2508	Diksha	28	2604	Swarnima Jaitly
3	2510	Trisha Duggal	29	2608	Simran
4	2512	Navneet Kaur	30	2614	Anupampreet Kaur
5	2514	Amritpal Kaur	31	2628	Jagriti
6	2516	Anjna Arora	32	2630	Navgeet
7	2518	Amreen Kaur Khaira	33	2632	Kirat Chauhan
8	2525	Varalika	34	2634	Mohinder Kaur
9	2527	Sujeeta	35	2640	Deepika Khatri
10	2530	Dyuti Kapila	36	2646	Himani Narwal
11	2532	Ashima Jagota	37	2648	Komal Choudhary
12	2534	Anshul Rawat	38	2650	Prachi Gupta
13	2540	Navneet Kaur	39	10402	Deepika Bhola
14	2544	Deepika	40	10404	Rubal
15	2548	Gurnoor	41	10406	Gargi
16	2550	Sweety	42	10412	Jyoti
17	2558	Shubhangi Singh	43	10416	Garima
18	2560	Mehak Kaur	44	10420	Sehaj
19	2562	Muskan	45	10421	Manuja Bhardwaj

20	2564	Shriya Gaur	46	10422	Akshdeep Kaur
21	2570	Shaivi Saini	47	10424	Arminder Sandhu
22	2574	Ina Sharma	48	10426	Rajni Bala
23	2576	Shweta Sharma	49	10427	Simran Nagpal
24	2580	Shailja	50	10429	Avni Singhal
25	2582	Pawanjot Kaur	51	10501	Avantika Tiwari
26	2594	Meena			

ANNEXURE-VIII

B.Sc (III) Medical Sec A – Group A2

Sr. No.	Name	Roll No.
1	Navneet Kaur	2615
2	Garima	2619
3	Money Batra	2621
4	Chakshu Sharma	2627
5	Anjali Kanwal	2629
6	Amanjeet	2631
7	Poonam	2633
8	Shivani	2635
9	Shifa	2639
10	Armanpreet Kaur	2641
11	Vandana Rani	2643
12	Aayushi Walia	2645
13	Apurva Bathla	2649
14	Priya	10403
15	Jashandeep Kaur	10405
16	Surbhi Sharma	10407
17	Amisha Sharma	10425

18	Vanshika Bansal	10430
19	Ritu Singh	10432
20	Samridhi Khosla	10435
21	Shaveta Jain	10437
22	Navjot Kaur	10438
23	Sumitra Devi	10439

ANNEXURE-IX

B.Sc. III Year Medical – (Group A1 and B2)

S. No.	Roll No.	Name
1.	2502	Mandeep Kaur
2.	2504	Jaspreet Kaur
3.	2505	Gurpreet Kaur
4.	2509	Mahak Dhamija
5.	2515	Bazila Javid
6.	2519	Navdeep Kaur
7.	2523	Monika
8.	2529	Gurpreet Kaur
9.	2533	Pranvi Gupta
10.	2537	Akshita
11.	2539	Jyotika Aggarwal
12.	2545	Riya Middha
13.	2549	Navjot Kaur
14.	2557	Prachi Gupta
15.	2561	Aastha Thakur
16.	2565	Ritul Sharma
17.	2571	Gunjan Sharma
18.	2573	Vitasta Garg
19.	2583	Aarzo Sharma
20.	2595	Ritambhra Kaushal
21.	2601	Prabhjot Kaur Chandel
22.	2607	Preeti Malik
23.	2609	Simranpreet Kaur
24.	2596	Jaskiran Kaur

S. No.	Roll No.	Name
25.	2604	Swarnima Jaitly
26.	2608	Simran
27.	2614	Anupampreet Kaur
28.	2628	Jagriti
29.	2630	Navgeet
30.	2632	Kirat Chauhan
31.	2634	Mohinder Kaur
32.	2640	Deepika Khatri
33.	2646	Himani Narwal
34.	2648	Komal Choudhary
35.	2650	Prachi Gupta
36.	10402	Deepika Bhola
37.	10404	Rubal
38.	10406	Gargi
39.	10412	Jyoti
40.	10416	Garima
41.	10420	Sehaj
42.	10421	Manuja Bhardwaj
43.	10422	Akshdeep Kaur
44.	10424	Arminder Sandhu
45.	10426	Rajni Bala
46.	10427	Simran Nagpal
47.	10429	Avni Singhal
48.	10494	Avantika Tiwari

ANNEXURE-X

B.Sc. II Year Medical (Group

Sr. No.	Roll No.	Name	Sr. No.	Roll No.	Name
1	101	Jhanvi Singla	29	197	Geetanjali
2	102	Priyanshu	30	199	Mannu
3	103	Jasmine Kaur	31	203	Manisha
4	129	Riya	32	204	Anjali Devi
5	131	Manisha	33	205	Kanika Mann
6	135	Chandandeep Kaur	34	206	Simran
7	139	Palak	35	207	Jyoti Jaitak
8	141	Kashish Bains	36	208	Khushabu Gupta
9	143	Shakshi	37	210	Mansi
10	145	Mansi Gautam	38	211	Arushi Gupta
11	147	Prachi	39	213	Sukhveer Kaur
12	151	Deepti	40	215	Nandini Makhija
13	157	Hasandeep Kaur	41	217	Rhythm Saini
14	159	Anjali	42	218	Akshita Sharma
15	163	Divya Khasa	43	220	Ritu Nain
16	165	Balwinder Kaur	44	221	Arti Chauhan
17	169	Payal	45	223	Jashveer
18	171	Aarushi Chaudhury	46	224	Shivangi Jain
19	173	Sanchi Sharma	47	225	Harleen
20	175	Muskan Chahal	48	227	Tanvi
21	177	Shweta	49	229	Yashmin Kakkar
22	181	Anchal	50	230	Muskan Rani
23	185	Alka Gaur	51	231	Ashiti
24	187	Divyani Sharma	52	232	Jaskirat Kaur
25	189	Aarzo	53	233	Versha
26	191	Muskan	54	243	Chesta
27	193	Aditi Sharma	55	245	Kuljinder Kaur
28	195	Avi	56	248	Riya Gupta

ANNEXURE-XI
B.Sc. I Year Medical

S. No.	Roll No.	Name
1.	601	Arshpreet Kaur
2.	603	Palak Sharma
3.	604	Akansha Chaudhary
4.	605	Rashi Jain
5.	606	Ishita
6.	607	Mahak
7.	608	Harjot Kaur
8.	610	Bhoomi
9.	611	Arshdeep Kaur
10.	612	Deepanshi Garg
11.	613	Drishti Sharma
12.	614	Arushi Riar
13.	615	Anshul Rana
14.	616	Aastha Rawat
15.	617	Anjali Jangra
16.	619	Navjot Kaur
17.	620	Manu Sharma
18.	622	Arushi Patial
19.	623	Arshbir Kaur
20.	624	Meghana Goel
21.	625	Ravneet Kaur
22.	626	Neha
23.	627	Jasmine Gupta
24.	628	Ankita Negi
25.	629	Isha Rana

ANNEXURE-XII

List of students B.Sc. (Non-Med) who submitted their project reports for the session 2018-19

S.No.	Roll No.	Name	Title	Teacher's Name
1.	2652	Rishita	Study Of Drug Menace In Punjab	Ms. Poonam Jain
2.	2654	Pragati	Training On Thermal Power Plant At P.T.P.S, Panipat	Dr. Renu Bedi
3.	2656	Vishali	Report On Incredible Himachal	Ms. Raman Chadha
4.	2660	Simrat Kaur	A Study On Black Hole	Dr. Yogita
5.	2661	Kanika	A Report On Nobel Prize In Physics 2018	Dr. Renu Bala
6.	2666	Nikita	A Detailed Study On Corruption & Drug Addiction 30 Days Internship At Welfare Association Without Corruption (Ngo), Haryana	Dr. Meetika Garg
7.	2667	Richa Saini	Study Of Drug Menace In Punjab	Dr. Runjun Sarma
8.	2671	Paarmeet Kaur	Internship On Ms Office 2007 In Career Computer Academy, Kharar	Ms. Anterpreet Kaur
9.	2675	Komal Verma	Training In Web Designing Language In Paras Computer Education Centre, Panipat	Dr. Renu Bedi
10.	2677	Shivani	Internship In Akorn India Pvt. Limited	Dr. Yogita
11.	2678	Varnika Arora	Internship On Generator Transformer At Electro-Mechanical Design Deptt.	Ms. Raman Chadha

			Rishikesh	
12.	2679	Riya	Internship As A Teacher In Prayas Kidz Shrine School, Babain (Kkr)	Dr. Renu Bala
13.	2681	Anjali Arya	Training On Thermal Power Plant At P.T.P.S, Panipat	Dr. Meetika Garg
14.	2683	Prakriti Palsra	A Report On Nobel Laureates In Physics	Dr. Runjun Sarma
15.	2693	Komalpreet	Training In Web Designing, Netsparked Infotech, Mohali	Ms. Poonam Jain
16.	2715	Purnima Kaushal	Learning C Language In Ice Computer Education, Morinda	Ms. Raman Chadha
17.	2721	Shagun Sharma	Training In Coding In C++ At Rsmi, Una	Dr. Renu Bedi
18.	2724	Indu	Study Of The Physics Of Cosmic Acceleration	Dr. Yogita
19.	2725	Vibhuti Singh	Training In Business Communication Skills	Dr. Renu Bala
20.	2727	Manasvi Gupta	Report On Discovering Science : Science Writing	Dr. Meetika Garg
21.	2728	Gurmeet Kaur	Distribution And Retailing Of Lpg In India	Dr. Renu Bedi
22.	2729	Sunidhi Pathania	Camp By Nurpur Blood Donors Club (Nbdc)	Ms. Anterpreet Kaur
23.	2730	Komalpreet Kaur	Training In C++ Programming In Netmax Technologies Pvt. Ltd.	Ms. Poonam Jain
24.	2732	Shivani Notna	A Detailed Sugarcane Cultivation In India	Dr. Yogita
25.	2733	Pooja Rani	Internship As A Anganwadi Worker	Dr. Renu Bala

26.	2734	Nikita	Tree Planting Under Darpan Communication Society, Jind, Haryana	Ms. Raman Chadha
27.	2737	Sakshi Sharma	Training In Coding In C++ At Rsmi, Una	Dr. Renu Bedi
28.	2739	Ekta Chauhan	Formation And Study Of Electronic Pills	Dr. Runjun Sarma
29.	2741	Asha Rani	Extraction Of Caffeine From Tea Leaves	Ms. Anterpreet Kaur
30.	2742	Himani Phogat	Comparison Of Ph And Buffer Capacity Of Juices, Beverages And Cold Drinks	Dr. Yogita
31.	2744	Rashi Bist	A Study On Drug Menace In Punjab	Dr. Renu Bedi
32.	2748	Arshdeep Gill	Design Of Petrol Pumps And Working Principle	Ms. Raman Chadha
33.	2749	Kalpana	Working & Types Of Air Conditioner	Ms. Poonam Jain
34.	2750	Neha	Alcoholism; Social Activities In Samaj Sewa Society, Ambala	Dr. Renu Bala
35.	2755	Shanu	Life On Earth And Elsewhere	Dr. Meetika Garg
36.	2762	Simran	A Report On Origin Of Drugs	Dr. Runjun Sarma
37.	2776	Shagun Sharma	A Report On Spectroscopy	Ms. Anterpreet Kaur
38.	2786	Jyotsna	Formation Of Bridge Rectifier	Ms. Poonam Jain
39.	2787	Rijuta Singh	Training On Thermal Power Plant At P.T.P.S, Panipat	Ms. Raman Chadha
40.	2792	Jaspreet Kaur	Solar Panels : Working And Uses	Dr. Renu Bala

41.	2795	Davinder Kaur	Introduction And Applications Of X-Rays	Dr. Renu Bedi
42.	2796	Shaina	Principle Of Capacitor Charging & Discharging	Dr. Meetika Garg
43.	2797	Rupinder Kaur	Working Of Traffic Lights	Ms. Anterpreet Kaur
44.	2800	Tejaswini Sharma	A Report On Isro Missions	Ms. Poonam Jain
45.	10504	Akwinder Kaur	Nobel Prize In Physics 2018	Dr. Yogita
46.	10510	Parneet Kaur	Light Emitting Diode : Introduction And Uses	Dr. Meetika Garg
47.	10515	Parul	A Study On Drug Addiction In Punjab	Dr. Renu Bedi
48.	2657	Himanshi Goel	Big Bang Theory: How Was Our Universe Created ?? A Study	Dr. Renu Bala
49.	2659	Rupali Gupta	Comet That Hit Earth	Dr. Runjun Sarma
50.	2676	Anchal	Is There Life On Other Planets ? A Study	Ms. Anterpreet Kaur
51.	2685	Prerna Gupta	Internship On C Language In Damini Infotech, Kurukshetra	Ms. Raman Chadha
52.	2686	Dolfy	A Study On Cancer Biology	Dr. Meetika Garg
53.	2687	Diksha	Nuclear Weapons And Their Effects On Health	Dr. Renu Bedi
54.	2690	Kritika Sharma	Drug Addiction In Punjab : Background & Origin	Ms. Poonam Jain
55.	2691	Sonali	Arduino	Dr. Renu Bala
56.	2692	Ridhi Bansal	Connecting Genes To Behaviour	Dr. Yogita

57.	2694	Ridhi	Formation Of Smart Street Light	Dr. Runjun Sarma
58.	2697	Punali Vashishat	Gravitational Waves: Introduction	Dr. Meetika Garg
59.	2699	Sonali	A Report On Physics Of Cosmic Acceleration	Ms. Anterpreet Kaur
60.	2703	Nancy	A Study Drug Menace In Punjab	Dr. Renu Bedi
61.	2704	Kanika Goyal	A Detailed Report On Drug Addiction In Punjab	Dr. Yogita
62.	2705	Harpreet Kaur	Transistor: Formation And Working Principle	Ms. Anterpreet Kaur
63.	2710	Yashika	Origin Of Drugs In Punjab	Dr. Renu Bala
64.	2711	Komal	In Troduction And Formation Of Black Holes	Ms. Poonam Jain
65.	2712	Maninder Beniwal	Cloning : The Dolly Sheep: A Detailed Report	Ms. Raman Chadha
66.	2713	Naina	A Report On Physical Cosmology	Dr. Yogita
67.	2714	Manjot Kaur	Principal & Working Of Different Lab Equipment Of Api Manufacturing	Ms. Poonam Jain
68.	2752	Sakshi	The Big Bang & The Big Crunch	Dr. Renu Bala
69.	2754	Bhawna Thakur	Introduction And Composition Of Elementary Particles	Ms. Anterpreet Kaur
70.	2756	Manisha Sahu	Semi Conductors: Formation And Working Principle	Ms. Poonam Jain
71.	2759	Komal Sunaria	Internship With Parivartan Malwa Friends Welfare Society, Dhuri	Ms. Raman Chadha
72.	2768	Harleen Kaur	Parallel Universe: A Detailed Theoretical Study	Dr. Renu Bedi
73.	2773	Arushi	Radioactivity: Working And	Dr. Runjun

		Thakur	Materials	Sarma
74.	2775	Hanisha Jain	Robotics: Formation And Uses	Dr. Meetika Garg
75.	2777	Annu	Drug Menace In Punjab	Dr. Renu Bala
76.	2778	Suman	Drug Menace In Punjab	Dr. Yogita
77.	2779	Khushpreet Kaur	Drug Menace In Punjab	Ms. Poonam Jain
78.	2780	Shikha	X-Rays : Introduction And Applications	Dr. Runjun Sarma
79.	2781	Sarishty Garg	Monuments In India: A Survey	Dr. Renu Bedi
80.	2782	Raksha Rani	Solar Powered Led Street Light With Auto Intensity Control	Ms. Anterpreet Kaur
81.	2783	Richa Sharma	Black Holes: Formation And Properties	Ms. Raman Chadha
82.	2784	Ritika Chawla	Transistors : Formation And Working Principle	
83.	10501	Sonal Verma	Phosphatizing And Chemical Effluent Treatment	Dr. Meetika Garg
84.	10502	Muskaan	Drug Addiction In Punjab	
85.	10506	Tamanna Saharan	Phosphatizing And Chemical Effluent Treatment	Dr. Yogita
86.	10507	Bhavika Saharan	Phosphatizing And Chemical Effluent Treatment	Dr. Runjun Sarma
87.	10508	Deepakshi	Training On Construction Development And Market Research In S.S. Builders, Mansa	Dr. Renu Bala
88.	10511	Priya	Training On Construction Development And Market Research In S.S. Builders, Mansa	Ms. Poonam Jain

89.	10513	Shriya	A Concise Introduction To Astrophysics	Dr. Runjun Sarma
90.	10517	Saloni	Transistors: Formation And Working Principle	Ms. Raman Chadha
91.	10518	Anika	Semiconductors: Formation And Working Principles	Dr. Renu Bedi
92.	2794	Jasmeen	Communication Systems	
93.	2402	Salmana	Internship As A Honorary Volunteer In Noor Hospital, Gurdaspur, Punjab	Dr. Renu Bala
94.	2404	Jasleen Kaur	Internship To Study The Practical Aspect Of The Course Implementation Of The Theory In The Real Field In Regional Centre For Entrepreneurship Development, Sector 35 B, Chandigarh	Ms. Raman Chadha
95.	2405	Ritika	Student Learning Cum Internship Jio Digital Championship	Dr. Runjun Sarma
96.	2406	Navreet Kaur Saini	Pn Junction Diode: Formation And Working Principles	Dr. Yogita
97.	2407	Kunika	Six Month Project On Event Management System In Infowiz	Ms. Anterpreet Kaur
98.	2408	Swati	Social Media Marketing Intern In Startup Organization "Gracia Graphics"	Dr. Renu Bedi
99.	2411	Ridhi Singla	Internship On Java In Apple Computer Education Centre, Kotkapura	Dr. Meetika Garg
100.	2412	Sidhi Singla	Internship On Java In Apple Computer Education Centre, Kotkapura	Ms. Poonam Jain

101.	2413	Anmol	Internship On Resource Planning In Tecxpert Infotech Ltd., Sector 38d, Chandigarh	Dr. Renu Bala
102.	2414	Astha Gupta	Institute Software (Omr) And Website Management In Infomaths, Sector – 35a, Chandigarh	Ms. Raman Chadha
103.	2415	Navneet Kaur	Teaching Assistance In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Dr. Meetika Garg
104.	2416	Rimpi	Programming In Html	Dr. Yogita
105.	2417	Yashika	Training On Microsoft .Net Framework In Infowiz, Sector 34-A, Chandigarh	Dr. Renu Bala
106.	2419	Sheenam	Teaching Practice In Tagore International Al School, Vill. Akbarpur Afgana, Patiala	Dr. Runjun Sarma
107.	2421	Tina	Career Orientation & Guidance To Students In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Dr. Renu Bedi
108.	2423	Diksha Nain	Teaching Assistance In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Ms. Raman Chadha
109.	2424	Ravnish Kaur	Photoresistor Ldr : Formation And Working Principle	Ms. Poonam Jain
110.	2425	Karminder Kaur Sraa	Programming In Java In Excel Computer Centre, Patiala, Punjab	Ms. Anterpreet Kaur
111.	2428	Pargati	Teaching Assistance In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Ms. Poonam Jain
112.	2430	Annu Jangra	Career Orientation & Guidance To Students In Infomaths Studies, Pvt. Ltd., Sector 35 A,	Dr. Meetika Garg

			Chandigarh	
113.	2433	Punam	Internship On Trackon Couriers In Dashmesh Enterprises, Sector 32 C, Chandigarh	Ms. Raman Chadha
114.	2435	Riya Khurana	Internship To Study The Practical Aspect Of The Course Implementation Of The Theory In The Real Field In Regional Centre For Entrepreneurship Development, Sector 35 B, Chandigarh	Dr. Renu Bala
115.	2437	Gagandeep	Training In Saarthak Govt. Integrated Model Senior Se. School, Panchkula	Dr. Renu Bedi
116.	2440	Rashi Sharma	Internship In Advance Java At Codenomad, Phase 8b, Mohali	Dr. Yogita
117.	2446	Tanika Sarma	Social Media Marketing Intern In Startup Organization "Gracia Graphics"	Dr. Runjun Sarma
118.	2447	Mink Mittal	Institute Software (Omr) And Website Management In Infomaths, Sector – 35a, Chandigarh	Ms. Poonam Jain
119.	2449	Shaurya Sodhi	Teaching Assistance In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Ms. Raman Chadha
120.	2452	Aastha	Coaching On Visual Basic In Institute Of Advanced Computer Education, Malout	Ms. Anterpreet Kaur
121.	2453	Simran Panesar	Industrial Training In Anant Engineering Works, Sirhind	Ms. Raman Chadha
122.	2454	Nancy Kamboj	Career Orientation And Counselling In Infomaths Studies, Pvt. Ltd., Sector 35 A,	Ms. Poonam Jain

			Chandigarh	
123.	2455	Himanshi	Teaching Practice In Pratap Public School, Karnal	Dr. Renu Bedi
124.	2458	Geeta Munjal	Teaching Assistance In Infomaths Studies, Pvt. Ltd., Sector 35 A, Chandigarh	Dr. Yogita
125.	2459	Sajina Syed	Tuition Teacher In Apne Foundation, Sector 77, Mohali	Dr. Runjun Sarma
126.	2460	Manisha	Content Writer In Aashman Foundation (Ngo)	Ms. Poonam Jain

ANNEXURE-XIII

B.Sc. III Year Medical Section- A

Group- A2

Sr. No.	Roll No.	Name
1	2615	Navneet Kaur
2	2619	Garima
3	2621	Money Batra
4	2627	Chakshu Sharma
5	2629	Anjali Kanwal
6	2631	Amanjeet
7	2633	Poonam
8	2635	Shivani
9	2639	Shifa
10	2641	Armanpreet Kaur
11	2643	Vandana Rani
12	2645	Aayushi Walia
13	2649	Apurva Bathla
14	10403	Priya
15	10405	Jashandeep Kaur
16	10407	Surbhi Sharma
17	10425	Amisha Sharma
18	10430	Vanshika Bansal
19	10432	Ritu Singh
20	10435	Samridhi Khosla
21	10437	Shaveta Jain
22	10438	Navjot Kaur
23	10439	Sumitra Devi

ANNEXURE-XIV

**B.Sc. II Year Medical Section-A
Group- A1**

S. No.	Roll No.	Name
1	101	Jhanvi Singla
2	102	Priyanshu
3	103	Jasmine Kaur
4	129	Riya
5	131	Manisha
6	135	Chandandeep Kaur Behl
7	139	Palak
8	141	Kashish Bains
9	143	Shakshi
10	145	Mansi Gautam
11	147	Prachi
12	151	Deepti
13	157	Hasandeep Kaur
14	159	Anjali
15	163	Divya Khasa
16	169	Payal
17	245	Kulwjinder Kaur

ANNEXURE-XV

B.Sc. II Year Medical Section-A

Group- A2

S. No.	Roll No.	Name
1	171	Aarushi Chaudhury
2	173	Sanchi Sharma
3	175	Muskan Chahal
4	177	Shweta
5	181	Anchal
6	185	Alka Gaur
7	187	Divyani Sharma
8	189	Aarzo
9	191	Muskan
10	193	Aditi Sharma
11	195	Avi
12	197	Geetanjali
13	199	Mannu
14	203	Manisha
15	204	Anjali Devi
16	205	Kanika Maan
17	206	Simran
18	207	Jyoti Jaitak

ANNEXURE-XVI

B.Sc. III Year Medical Section-B

Group-B1

S. No.	Roll No.	Name
1	2506	Kashika Thanta
2	2508	Diksha
3	2510	Trisha Duggal
4	2512	Navneet Kaur
5	2514	Amritpal Kaur
6	2516	Anjna Arora
7	2518	Amreen Kaur Khaira
8	2525	Varalika
9	2527	Sujeeta
10	2530	Dyuti Kapila
11	2532	Ashima Jagota
12	2534	Anshul Rawat
13	2540	Navneet Kaur
14	2544	Deepika
15	2548	Gurnoor
16	2550	Sweety
17	2558	Shubhangi Singh
18	2560	Mehak Kaur
19	2562	Muskan
20	2564	Shriya Gaur
21	2570	Shaivi Saini
22	2574	Ina Sharma
23	2576	Shweta Sharma
24	2580	Shailja
25	2582	Pawanjot Kaur
26	2594	Meena

ANNEXURE-XVII

B.Sc. III Year Medical Section A

S. No.	Roll No.	Name
1	10440	Navdeep Kaur
2	10441	Neha
3	10446	Ishika
4	10449	Jyoti Devi
5	10450	Harmanjeet Kaur
6	10451	Gargy Bathla
7	10452	Kamaldeep Kaur
8	10453	Shweta.S
9	10455	Manvi Bhatia
10	10456	Ekta Saini
11	10457	Harnoor Kaur
12	10458	Sunaina
13	10460	Chhetan Zangmo
14	10461	Sukhkirat Kaur
15	10462	Jaspreet Kaur
16	10464	Nikita Bharti
17	10465	Manvi
18	10466	Padma Angmo
19	10473	Nikita Bansal
20	10475	Tamanna
21	10477	Anjali
22	10479	Nancy Jamwal
23	10485	Anushka Arora
24	2503	Nitika

ANNEXURE-XVIII

B.Sc. II Year Medical Section A

Group A1

S. No.	Roll No.	Name
1	101	Jhanvi Singla
2	102	Priyanshu
3	103	Jasmine Kaur
4	129	Riya
5	131	Manisha
6	135	Chandandeep Kaur Behl
7	139	Palak
8	141	Kashish Bains
9	143	Shakshi
10	145	Mansi Gautam
11	147	Prachi
12	151	Deepti
13	157	Hasandeep Kaur
14	159	Anjali
15	163	Divya Khasa
16	169	Payal
17	245	Kulwjinder Kaur