

TEACHER'S ACTIVITY REPORT 2019 - 2020.

FACULTY: Dr. Pamil Tayal

DEPARTMENT/ COMMITTEE -Botany

IQAC

NAME OF THE ACTIVITY: CTEP (DBT) – VISTAAR Stall on Drugs and Pharmacology

DATE 1 st November 2019	FACULTY Dr. Pamil Tayal and Dr. Tabassum Afshan	DEPARTMENT/COMMITTEE Botany	COORDINATOR NAME Prof N. Latha Dr. Mercy Jacob Dr. Pamil Tayal Dr. Tabassum Afshan
TIME – 9 am to 5 pm	VENUE – SVC	NUMBER OF PARTICIPANTS 50 -65 students and teachers from different Schools of Delhi	NATURE: Outdoor/ Indoor outdoor
SUPPORT/ ASSISTANCE:	DBT Star scheme		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. -):

TOPIC/SUBJECT OF THE ACTIVITY	Drugs and Pharmacology Stall (VISTAAR 2019)
OBJECTIVES	The stall “Drugs and Pharmacology” was put up at Sri Venkateswara College under VISTAAR 2019 on 1 st November 2019. It was an initiative to enlighten the students with the scope of science as a subject itself. The purpose of the stall was to make the students aware with the existing ancient and modern system of medicine along with the history of Drug Discovery process and the future.
METHODOLOGY	Through interactions, demonstrations and Hands on training
OUTCOMES	<p>The stall gave an overall idea about six important, recognized system of medicine that is Ayurveda, Siddha Unani, Yoga, Naturopathy and Homeopathy that has been displayed via posters and models. Dried medicinal plants were procured from various institutes and were displayed in the stall. All these traditional systems of medicine played an important role in meeting the global health care needs. Also, important medicinal plants used in all traditional systems were raised and mass multiplied by volunteer students. These plants include Ashwagandha, Brahmi, Ajwain, Aloe vera and Bhoringraj. The plants were sold to various college and school faculty members.</p> <p>Demonstrated the use of various equipments which can be used in daily</p>

	<p>life along with providing information about herb & plants that can be used as an alternative to conventional drugs.</p> <p>Around 200 visitors took part in “Know Your Blood Pressure” activity with curiosity and many others participated in “Know your Prakriti: Survey” which was based on Ayurvedic philosophy for balance between the body, mind and spirit. Approximately 90 people participated in the PILL-PONG game in 30 teams.</p>
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PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters	Student list of participation	Activity report ✓	Photos ✓	Feedback form
Feedback analysis	News clip with details	Certificate	Any other	

IQAC Document No:	Criterion No:	Metric No:
Departmental file no	IQAC file No;	

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Pamil Tayal Dr. Tabassum Afshan	Prof N .Latha, Dr. Mercy Jacob	

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

Proof – Photos of the Event -see next page

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Report on

Drugs and Pharmacology Stall (VISTAAR 2019)

1st November 2019

Drug therapy is an important part of the medical field based on disease diagnosis and its cure. It relies on the science of pharmacology for continuous advancement and appropriate management. As a result of this complex path from discovery of active natural products, synthesis and commercialization partnering has become a standard practice. Important Applications of this field of science includes

- Disease Diagnosis
- Classical Pharmacology
- Gene Therapy
- Stem Cell therapy
- Reverse Pharmacology
- Drug Designing
- Medicinal Chemistry
- Drug Development & Clinical trials
- Computer Aided Drug Designing (CADD)
- Patenting

It usually takes the work of a team of Scientists, Microbiologists, Physiologists, Medical Computational Scientists, Organic Chemists, Botanists, Computer Bio-physicists, Software Designers, Chem-informatics to work on the development, design and test of the new drugs.

Due to wide applicability and interdisciplinarity of the Drug and Pharmacology field, we focused on displaying the existing ancient and modern system of medicine along with the history of Drug Discovery process and the future in this field for a science student.

Activities:

1. In Drugs and Pharmacology Stall, six important, recognised **systems of medicine** that is Ayurveda, Siddha Unani, Yoga, Naturopathy and Homeopathy were projected via posters and models. All these traditional systems of medicine played an important role in meeting the global health care needs.
2. **Dried medicinal plants** were procured from various institutes and were displayed in the stall.
3. Important **medicinal plants** used in all traditional system were raised and mass multiplied by student volunteers. These plants include *Withania somnifera* (Ashwagandha), *Cissus quadrangularis* (Hadjod),

Aloe vera (Ghritkumari), *Eclipta alba* (Bhringraj), *Bacopa monerii* (Brahmi), *Trachyspermum ammi* (Ajwain). During interactive session with school students and teachers they were served with fresh Aloe vera juice.

4. Different **career prospects** in field of Drug and Pharmacology were displayed. The subsequent degree/diploma courses to be pursued for acquiring the jobs mentioned were discussed and explained by student volunteers to the audiences.

5. **Know your Prakriti: Survey**

Questionnaire based on the Ayurveda concepts of Tridosha and prakriti.

6. **Know your Blood Pressure:** Use of modern diagnostic instrument

Digital Blood pressure monitor machine has been used to check Blood pressure of visitors. Various Diagnostic tools have been displayed such as B.P. Monitor machine (Old and Modern), Thermometer (Old and Modern), Glucometer with their lancet, strips etc., Stethoscope, Microscope.

7. **Origin of Drugs:** Accidentally discovered drugs were explained with their timeline and events of discovery along with the uses of natural products as medicinal values. Ligand based drug design (LBDD) as well as structure-based drug design (SBDD) were also the part of interaction.
8. **Video** on Journey from usage of naturally occurring substances to the modern day engineered drugs. It had a detailed animation showing how modern drugs are made including engineering, testing, trials and approval.
9. **Game: Pill-pong.** A game based on the questions from drug discovering, scientists, natural therapy, diseases and basic drug knowledge.

Target Audience:

1. School and College Students from Science (Botany, Biochemistry, Chemistry, Biotechnology, Physics, Electronics and Zoology) and Commerce stream.
2. Teachers from schools and college

Impact and outcome:

Expected:

1. Counselling youth about various career prospects in Drug & Pharmaceutical fields
2. Making visitors aware about various herbs and plant which are used for medicinal purpose.
3. Educating visitors about accidentally discovered drug and natural products with their medicinal values.
4. Raising awareness among visitors about various health care equipment
5. Spreading information about various forms of alternate medical practices.
6. Creating curiosity among the audience into the basics of medicines and pharmaceuticals by interesting game and survey.

- Educate the students about the usage of naturally occurring substances to the modern day engineered drugs.

Achieved:

Demonstrated use of various equipment which can be used in daily life along with providing information about herb & plants that can be used as an alternative to conventional drugs.

Around 200 visitors took part in **"Know Your Blood Pressure"** activity with curiosity and many others participated in **"Know your Prakriti: Survey"** which was based on Ayurvedic philosophy for balance between the body, mind and spirit. Approximately 90 people participated in the **PILL-PONG** game in 30 teams.

Visitors were also bought various medicinal potted plants displayed during the exhibition.

Feedback:

Overwhelming response was received from all visitors of Drug and Pharmacology stall. A few are shown below for the survey undertaken.

SNO	NAME	INSTITUTION	FEEDBACK
1	Ritvik	SVC	It was nice
2	Abhishek kumar	SVC	Good initiative to aware about
3	Pooja	SVC	Veda, Pitta & Kapha.
4	Neha	SVC	Nice
5	Aayushree	SVC	Very informative and detailed explanation.
6	Ayushi	SVC	Nice explanation, very nice, enjoyed the concept, good for healthy lifestyle.
7	Dr. Robin	SVC	Interesting
8	Gayatri	SVC	Enjoyed the interpretation
9	Sahil	SVC	Very well explained
10	Dr. Sanika	SVC	quite good
11	Dr. Pooja	SVC	Good The best one
12	Dr. Nee K. Singh	SVC	It is very nice to understand your body type and mind.
13	Dr. Tabassum	SVC	Very well interpreted.
14	Ishita	SVC	Very good.
15	Vinita & Aranya K	SVC	Accurate.
16	Jahnvi	SVC	Interesting, would like to discover more
17	Dr. Nimish	SVC	Interesting & interactive
18		SVC	very interesting and very nicely explained.



SRI VENKATESWARA COLLEGE
(University of Delhi)

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Department of Sociology

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Department of Biochemistry

Shri D. Venkat Ramana
A.O (I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

N. Latha

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