



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

**Sri Venkateswara College**

(University of Delhi)

NAAC Grade A+

**SRI VENKATESWARA COLLEGE  
(UNIVERSITY OF DELHI)**

**EVENT REPORT**

<b>NAME OF THE EVENT: SamaanVidya – An Outreach Initiative for Equality in education</b>			
<b>DATE – 31.10.22</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/SOCIETY</b>	<b>COORDINATORS' NAME</b>
	Biochemistry	NA	Dr. Nandita Narayansamy Dr. Shalini Sen Dr. Vandana Malhotra Dr. Sarika Yadav Dr. Meeta Bhardwaj
<b>TIME : 9:00am to 2:00pm</b>	<b>VENUE – Lancer's Convent School Prashant Vihar, Delhi</b>	<b>NUMBER OF PARTICIPANTS – 75 student participants 5 student volunteers</b>	<b>NATURE: Offline mode - Indoor</b>
<b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>	NA		

<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	<b>Experiment 1 – Analysis of plasmid DNA on agarose gel. Experiment 2 – Assessment of nutritional Imbalance in adolscents</b>
<b>OBJECTIVES</b>	<b>The objective of oraganizing these lectures on IPR was</b> <ul style="list-style-type: none"><li>● to introduce the students with concept of plasmids and their applications</li><li>● to give hand-on on agarose gel electrophoresis</li><li>● to introduce students to the concept of balanced diet and role of various nutrients.</li><li>● to help students perform anthropometric analysis for nutritional assessment.</li></ul>
<b>METHODOLOGY</b>	The SamaanVidya team from Sri Venkateswara College visited the Lancer's Convent School. Biology students of Grade 11 were given theory and practical sessions on the following experiments: <b>Experiment 1 – Analysis of plasmid DNA on agarose gel. Experiment 2 – Assessment of nutritional Imbalance in adolscents</b>
<b>OUTCOMES</b>	Bothe the sessions were very interactive and effective in enhancing the understanding of the students in respective topics. Students were able to do hands-on which helped in better clarity in concepts taught.

### BRIEF INFORMATION ABOUT THE ACTIVITY

**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

1 Notice & Letters  ✓	2 Number of Participants & Name of participants  ✓	3 Video clip	4 Photos  ✓	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Material used  ✓	9 Event report Attested by Event Coordinator & IQAC Coordinator  ✓	10 Any other document

IQAC Document No: IQAC/SVC/2022-2023/COM/01	Criterion No: V
Departmental file no: IQAC/2022-2023/	IQAC file No: SVC/2022-23

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
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Dr. Shalini Sen	Dr. Shalini Sen	Prof. Swarn Singh
Dr. Meeta Bhardwaj	Dr. Meeta Bhardwaj	

For Reference

*M. Bhardwaj*

*M. Bhardwaj*

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		

## **PROOFS**

### **1. Permission Letter**



**PERMISSION FOR ORGANIZATION OF EVENTS**

NOTE: 1. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.  
 2. Please ensure a pre booking of the venue before getting the permission letter signed.  
 3. A copy of this duly filled form signed by the TIC Convener and Principal shall be submitted to ICT, Caretaker and IQAC Coordinator, Dr. Arpita Kaul for commerce and NSS, NCC, Placement and Sports events, Dr. Jitesh Rana for humanities events, Dr. P. Jayaraj for sciences events.

**EVENT DETAILS**

1. Name of the Department/Society/Association: BIOCHEMISTRY
  2. Name of the TIC/Convener (if any): Prof./Dr./Mr./Ms. Nandya, Shabini, Vandana, Sarika, Meeta
  3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or  
 community outreach/skill  
 enhancement/others: SAMAANVIDYA : Social outreach programme
  4. Participants: Student-centric /Faculty/Both
  5. Event Type: Offline/Online/Hybrid; Indoor/Outdoor
  6. Collaborating Agency/Organization: LANCER'S CONVENT SCHOOL, ROHTAK
  7. Proposed Title of the Event: Samaanvidya
  8. Tentative List of Speakers with affiliations: Above mentioned  
 faculty members and student volunteers
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9. Date, Time from to : 8:00 am - 4:00 pm, 31/10/2022
  10. Financial Assistance/ Funding received (if any): Department Funds
  11. Proposed Budget (please attach details in a separate enclosure):
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12. Faculty responsible for Geo Tagged Pictures: Dr. Meeta Bhardwaj
  13. Faculty responsible for Event Report: Dr. Meeta
  14. ICT support required, if any (ICT Lab, Laptop, LCD projector): NA
  15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance): NA
  16. Room requirement (Seminar/ any other): NA

Name & Signature of TIC/Convener

Date: 14/10/2022

Signature of Principal

Date: 14/10/22

## 2. **Hands-on study material**

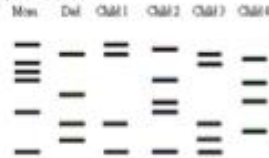
## Samaan Vidya

An Outreach Initiative for Equality in Education  
Department of Biochemistry  
Sri Venkateswara College, University of Delhi.  
October 31, 2022

# DNA Fingerprint Analysis

### Case 1

Mr. Chan's family consists of mom, dad and four kids. The parents have one daughter and one son together, another daughter is from the mother's previous marriage, and the other son is adopted. Here are the DNA analysis results:



1. Which child is adopted? Why?
2. Which child is from mother's previous marriage? Why?
3. Who are the biological children of Mr. and Mrs. Chan?

## SAMAANVIDYA

An Outreach Initiative for Equality in Education

Department of Biochemistry

Sri Venkateswara College, University of Delhi.

October 31, 2022

### ASSESSMENT OF NUTRITIONAL STATUS BY ANTHROPEMETRIC MEASUREMENTS

Name-

Age-

Contact-

Height (m)	Weight (kg)	Waist Circumference (cm)	Hip Circumference (cm)	Mid Arm Circumference (cm)	Triceps Skinfold (cm)

1. **Body Mass Index (BMI) = Weight (kg) / Height<sup>2</sup> (m)**

2. **Waist-to-Hip Ratio (WHR) = WC (cm) / HC (cm)**

3. **Basal Metabolic Rate (BMR)**

Male =  $66.5 + (13.75 \times \text{weight in kg}) + (5 \times \text{height in cm}) - (6.78 \times \text{age in years})$

Female =  $655 + (9.56 \times \text{weight in kg}) + (1.85 \times \text{height in cm}) - (4.68 \times \text{age in years})$

4. **Percentage Body Fat = 100 X (MAFA / MAA)**

$MAMA = (MAC - (\pi \times TSF/10))^2 / 4\pi$

$MAA = (MAC)^2 / 4\pi$

$MAFA = MAA - MAMA$

$\% \text{ Fat} = 100 \times MAFA / MAA$

**Results :**

**BMI -**

**BMR -**

**WHR -**

**Percentage Body Fat -**

TSF - Triceps Skinfold

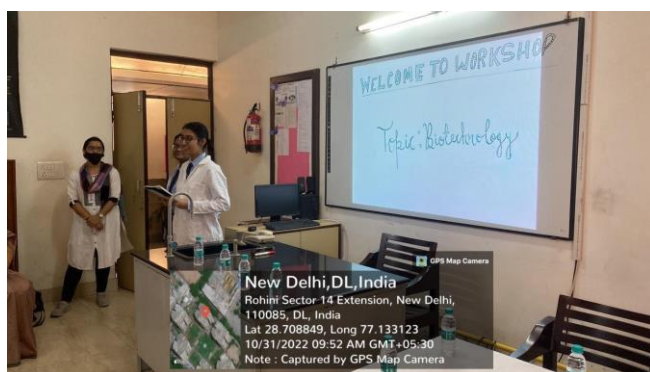
MAMC - Mid Arm Muscle Circumference

MAA - Mid Arm Area

MAFA - Mid Arm Fat Area



### 3. Event Pictures



**Students during hands-on and theory sessions**





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## CERTIFICATE

This is to certify that the SamaanVidya, an Outreach initiative was successfully conducted on 31/10/2022 from 9:00 am to 2:00 pm by Department of Biochemistry in the Offline mode and its event report has been submitted to IQAC for records.

Event In-Charge

IQAC Coordinator

Coordinator, IQAC  
Sri Venkateswara College  
(University of Delhi)  
Dhaulta Kuan, New Delhi-110021

Principal

PRINCIPAL  
Sri Venkateswara College  
(University of Delhi)  
Dhaulta Kuan, New Delhi-110021



