

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

**EVENT REPORT**

<b>NAME OF THE EVENT: LABOTONICS : ELECTIFY THE LIVE LABORATORY WITH BASIC SCIENCE EXPERIMENTS &amp; WEBINAR ON E-WASTE MANAGEMENT AND AWARENESS.</b>			
<b>DATE</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/SOCIETY</b>	<b>COORDINATORS NAME</b>
30 <sup>th</sup> September, 2021	Electronics	Electronics	Dr. Sunita Jain Ms. Shubhra Gupta Dr. Rakhi Narang
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor; online/offline/hybrid</b>
10:00 AM – 12:30 PM	Virtual/online	231	Indoor
<b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>	Sri Venkateswara College, University of Delhi		

**BRIEF INFORMATION ABOUT THE ACTIVITY**

<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	LABOTONICS : ELECTIFY THE LIVE LABORATORY WITH BASIC SCIENCE EXPERIMENTS & WEBINAR ON E-WASTE MANAGEMENT AND AWARENESS.
<b>OBJECTIVES</b>	The objective of Webinar on e-waste was to sensitise the audience to contribute towards recycling of rapidly rising e-waste volume and to explain them, how problematic it can be if proper e-waste management policies are not adopted. Objective of the Labotonics was to explain some basic principles of Science, which are difficult to explain in classroom for senior secondary school students with the help of multism, virtual lab etc.
<b>METHODOLOGY</b>	Webinar on e-waste management and awareness was given by Mr. Rahul Gokhale, Clean to green society. Simple experiments were designed and performed by B.Sc. Electronics students and some of the experiments were performed on simulators, virtual lab and were shown through video demonstrations.
<b>INVITED SPEAKERS WITH AFFILIATION DETAILS ( IF ANY)</b>	Mr. Rahul Gokhale, Clean to green society

<b>OUTCOMES</b>	<p>Department of Electronics organised a virtual session for the faculty and students. It helped them to understand what e-waste is, where and how it is generated, what is the current approach in recycling e-waste, why e-waste recycling should be carried out in safe and standardized manner and hazardous effect of improper e-waste management practices on health and environment.</p> <p>Second part of the event was live laboratory – School Students were able to understand basic science concepts through simple science experiments, which otherwise are difficult to explain in classroom. These experiments were performed by undergraduate student. After the experiments a quiz was conducted and project was also given to the students.</p>

**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 Posters/ Invites √	9 Event report Attested by Event Coordinator & IQAC Coordinator	10 Any other document  Quiz report

IQAC Document No:	IQAC/SVC/2021-22	Criterion No:	III/VII
Departmental file no:		IQAC file No:	2021-22

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Sunita Jain	Dr. Sunita Jain	

## 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		

## **PROOFS**

### **Summary Report :**

The Department of Electronics, Sri Venkateswara College Organized LABOTONICS : ELECTRIFY THE LIVE LABORATORY WITH BASIC SCIENCE EXPERIMENTS AND WEBINAR ON E-WASTE MANAGEMENT AND AWARENESS on 30 September 2021. The webinar started at 10 AM and was followed by LOBOTONICS. The introduction of the event and speaker, Mr. Rahul Gokhale, from Clean to Green Society was given by Ms. Ishika Sharma, final year student of B.Sc.(H) Electronics . Then our Convenor Dr. Sunita Jain expressed her gratitude towards the Speaker and appreciated the effort of Ms. Shubhra Gupta and Dr. Rakhi Narang, the co-convenors of the event. She also appreciated the organising team for managing the social outreach program online efficiently, which was not possible physically in this pandemic. This event was attended by about 200 participants, this included students and faculty members from Delhi University and students from various Schools. The participating schools were SKV, Patparganj, SKV, Vivek Vihar, Chicago Public School, Madhya Pradesh and KIIT World School, Pitampura (Delhi).

The webinar helped Participants to understand what is e-waste, where and how it is generated, what is the current approach in recycling e-waste, why e-waste recycling should be carried out in safe and standardized manner and the hazardous effect of improper e-waste management practices on health and environment. Participants were able to understand that some valuable materials and components can be recovered from the e-waste which can conserve present natural resources. E-waste is a domestic and global problem where each one should take a step now to avoid its informal processing which may exaggerate the issue in near future.

The second part of the event was to explain some basic concept of science using simple experiments. Students got the opportunity to understand virtual labs too. Experiments explained and demonstrated were:

- 1.Faraday's law of induction by Satendra
- 2.Hologram by Satvik
- 3.Newton law of Cooling by Sonakshi and Amardeep
4. Series and parallel combination of resistors by Yash and Anshuman
5. Regulated dc power supply by Kanchan and Chandrashekhar

A quiz and project based on basic science concepts was floated at the end of the session. The event ended with a vote of thanks by Mr. Manav Kapoor. The response of the event created enthusiasm in participants as well as in organizers to make it a regular feature.



# DIAMOND JUBILEE CELEBRATION

To Commemorate 60 years of  
**Sri Venkateswara College**  
(University of Delhi)



## DEPARTMENT OF ELECTRONICS

*presents*

### LABOTONICS

(Electrify the live laboratory with basic  
Science Experiments)

#### Participants

Senior Secondary Schools Students

SKV, Patparganj  
(Delhi)

SKV, Vivek Vihar  
(Delhi)

Chicago Public School  
(Madhya Pradesh)

KIIT World School  
(Pitampura, Delhi)



Exciting Prizes after Quiz



&

((●)) A WEBINAR ON ((●))

## "E-WASTE MANAGEMENT AND AWARENESS"

To be held on: Thursday, September 30, 10:00 AM onwards

**SPEAKER:**

**MR. RAHUL GOKHALE**

(Clean to Green Society)

**\*WEBINAR OPEN FOR ALL\***

**Prof. C. Sheela Reddy**

**Principal**

CHIEF PATRON

**Dr.Sunita Jain**

**Teacher-in- Charge**

CONVENER

**Ms. Shubhra Gupta**

**Dr. Rakhi Narang**

CO-CONVENER

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### ADVISORY COMMITTEE

**Dr. Nutan Joshi**  
**Dr. Neha Verma**

**Dr. Lalita Josyula**  
**Dr. Basant Saini**

**Dr. Neeru kumar**  
**Mr. Hari Singh**

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### ORGANIZING MEMBERS

Rajdeep Pandey  
Shivangi Singh  
Ishika Chauhan

Prashant Kumar  
Ujjwal Kumar  
Chandra Shekhar

Ishika Sharma  
Yash Jasnani  
Nitin  
Amardeep

Satvik Vashishtha  
Manav Kapoor  
Sonakshi

Satendar Singh  
Anshuman Singh  
Kanchan

Recording...

You are viewing Rakhi Narang's screen

View Options

View

Ministry of Electronics and Information Technology  
Government of India

## Classification of Waste

- Waste management differs for different types of wastes and also for wastes in different geographical locations such as urban, rural and hilly areas. While there are many ways to classify waste, here we will classify waste based on its **source stream**.
- Wastes such as domestic and industrial ones can be classified under the heads of urban, industrial, biomedical and e-waste. These are generated during the extraction of raw materials, manufacturing or processing of raw materials into intermediate and final products, the consumption of final products, and other human activities

```

graph TD
    Waste --> Urban
    Waste --> Industrial
    Waste --> Biomedical
    Waste --> E-Waste
    Urban --> Solid
    Urban --> Liquid
    Industrial --> Solid
    Industrial --> Liquid
    Solid --> MunicipalSolidWaste[Municipal Solid Waste]
    Solid --> SewageSludge[Sewage & Sludge]
    Solid --> Hazardous
    Solid --> NonHazardous[Non-Hazardous]
    Liquid --> IndustrialWasteWater[Industrial Waste Water]
        
```

Unmute

Start Video

Participants 201

Q&A

Chat 51

Share Screen

Raise Hand

Pause/Stop Recording

Leave

Sunita Jain

Manav Kapoor

System Administrator

Anshu Singh

Yash Jasnani

Rahul Gokhale

Rakhi Narang

Ishika Sharma

Kanchan

Satvik Vashishtha

Manav Kapoor

Sonakshi Singh

Recording...

You are viewing Rakhi Narang's screen

View Options

View

Ministry of Electronics and Information Technology  
Government of India

## What is Waste Management?

**Waste management** include the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process.

The infographic shows a circular process with four main stages: 001 RECYCLING, 002 COMPOSTING, 003 THERMAL TREATMENT, and 004 LANDFILL. Each stage is accompanied by a brief description of the process and its goals.

Unmute

Start Video

Participants 199

Q&A

Chat 51

Share Screen

Raise Hand

Pause/Stop Recording

Leave

Sonakshi Singh

Chandra Shekhar

satender pc

Rajdeep

Amardeep

Ujjwal kumar

Sunita Jain

Nitin

Nutan Joshi

neha verma

Hari Singh

Satendra

6



Recording... You are viewing Satvik Vashishtha's screen View Options

Reflected light rays

Virtual image

Projection pyramid

Image on the screen

Smart phone

45°

Participants 164 Q&A Chat Share Screen Raise Hand Pause/Stop Recording

Unmute Start Video

Leave

Participants (127)

Panelists (25) Attendees (102)

Search

SM Shivangi Mishra

S Shobhraj

S Shubham

SR Simran Rajshri

S sneha

SS Sonali Singh

SS Sonalika Sharma

SJ Sunita Jain

TC Tanishka chaudhary 11th A

TJ Tanishka joriya

TP Tashu panjwani

TS Tushar swaroop

UB UDAY BANSAL

VV Vaibhav Gahlot class-6th Roll no-??

Lower All Hands

Leave

Recording... You are viewing Chandra Shekhar (pc)'s screen Chandra Shekhar is talking...

Constant DC Power Supply

230V AC Supply

Transformer

Rectifier

Smoothing

Regulator

Load

Input Waveform

Transformer output

Rectified output

Filtered output

Pure dc output

DC 100mA

Participants 127 Q&A Chat Share Screen Raise Hand Pause/Stop Recording

Unmute Start Video

Leave

Participants (127)

Panelists (25) Attendees (102)

Search

SM Shivangi Mishra

S Shobhraj

S Shubham

SR Simran Rajshri

S sneha

SS Sonali Singh

SS Sonalika Sharma

SJ Sunita Jain

TC Tanishka chaudhary 11th A

TJ Tanishka joriya

TP Tashu panjwani

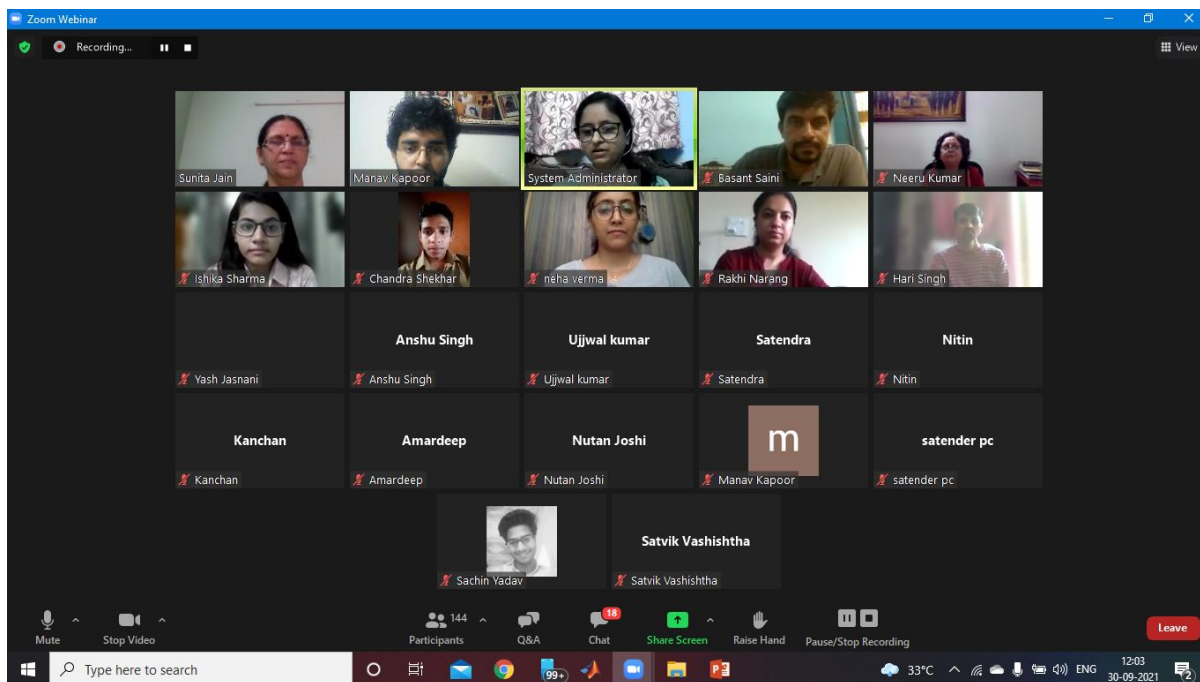
TS Tushar swaroop

UB UDAY BANSAL

VV Vaibhav Gahlot class-6th Roll no-??

Lower All Hands

Leave



## FEEDBACK FORM AND QUIZ REPORT :

### EVENT-

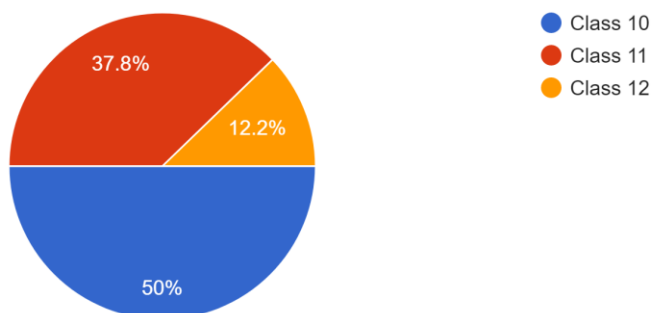
WEBINAR : “ E-WASTE MANAGEMENT AND AWARENESS “

LABOTONICS : ELECTRIFY THE LIVE LABORATORY WITH BASIC SCIENCE EXPERIMENTS

30 SEPTEMBER, 10:00 AM-12:30 PM.

TOTAL RESPONSES: 90

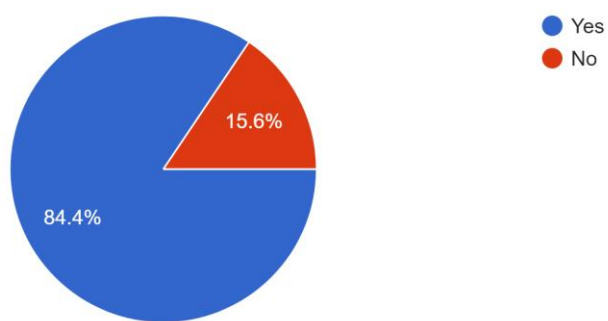
Standard  
90 responses





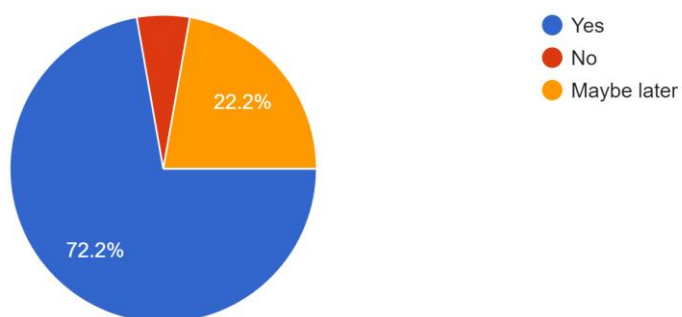
Was it the first time you got acquainted with E-waste?

90 responses



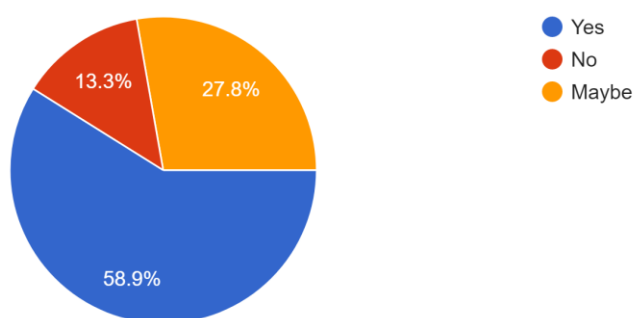
Would you like to learn more about E-waste management

90 responses



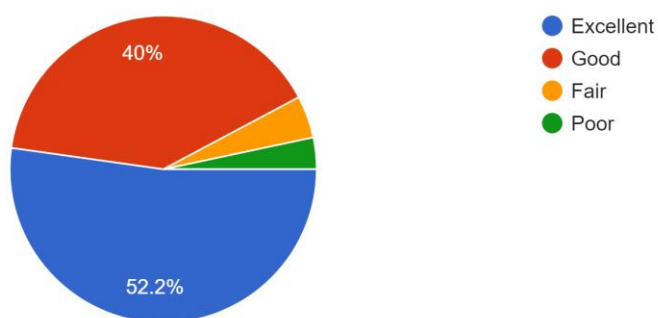
Can you think of some E-waste present at your house and can be recycled?

90 responses



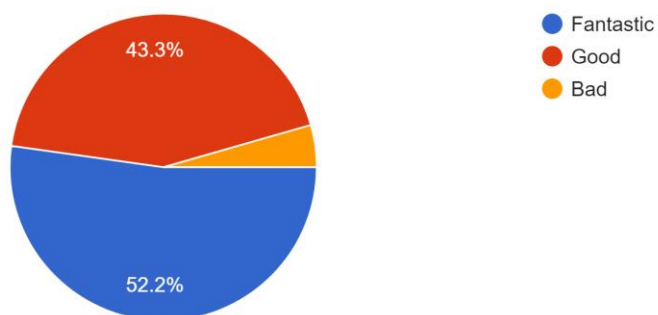
Kindly rate our speaker :

90 responses



How was your experience attending the live laboratory

90 responses



Quiz

Total Responses : 108

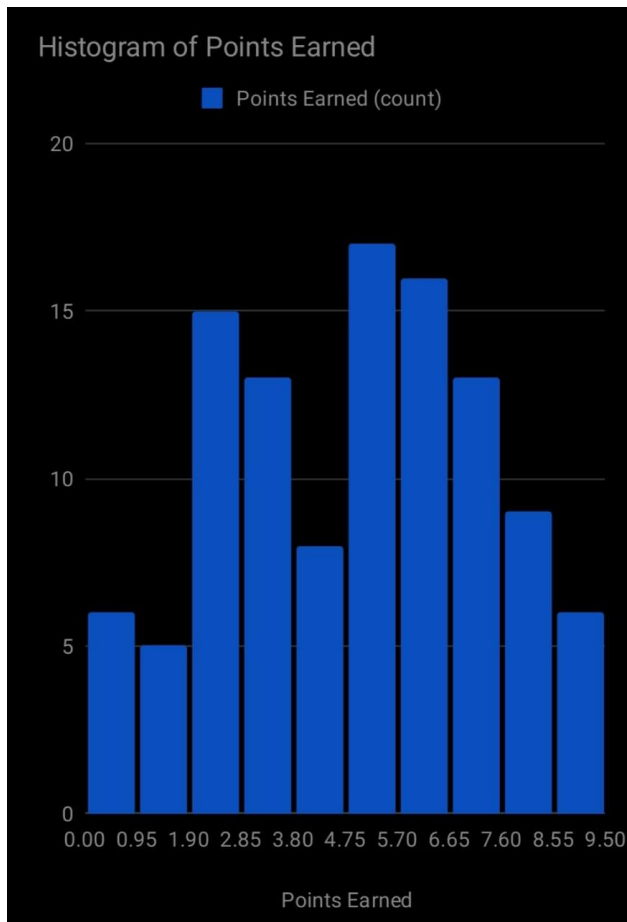
Total Questions : 10

Marking Scheme : On the basis of number of correct response

Question type : Multiple Choice ( General Science)

• Histogram -1

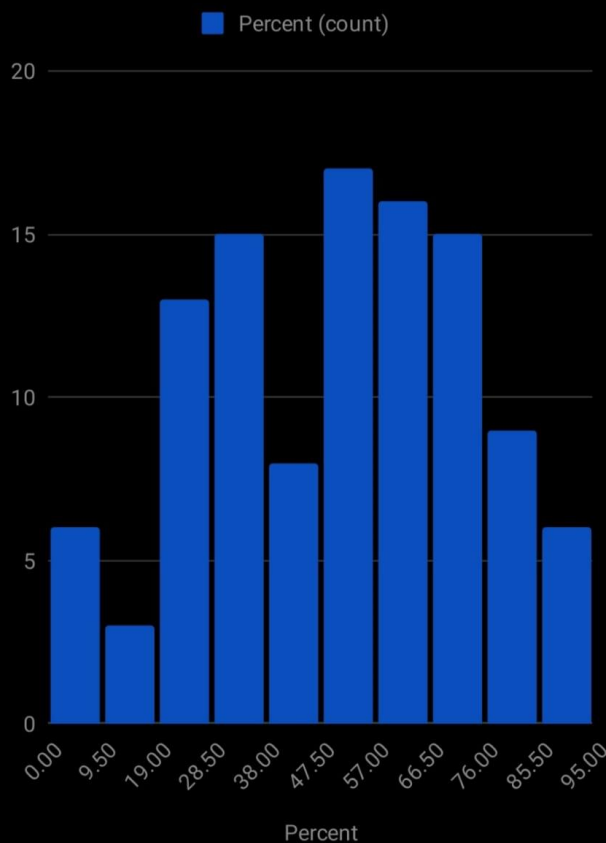
No of Students V/S Points Earned



- Histogram - 2

No of Students V/S Percent of Correct Response

Histogram of Percent



## Certificate



**SRI VENKATESWARA COLLEGE**  
(University of Delhi)

**CERTIFICATE**  
OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

**LAKSHITA KHANNA**

of Standard **XI** of School

**SARVODAYA KANYA VIDYALAYA, VIVEK VIHAR**

for participating in Labotonics: Electrify the live laboratory on 30th September 2021  
with basic science experiments

  
Dr. Sunita Jain  
Teacher Incharge

  
Prof. C. Sheela Reddy  
Principal

## List of Participants

S.No.	Name
1	Aashu Verma
2	Aastha Chaudhary
3	Abhishek
4	Adarsh
5	Aditi
6	Aishita
7	Akansha kumari
8	Amardeep
9	Anil Dulhani
10	anil jakhar
11	Aniruddh Singh
12	Anisha
13	Anjali som
14	Anju
15	Anoma
16	Anshu Singh
17	Anushka sharma
18	Aparna
19	Archana Shrivastava
20	Arfa parveen
21	Arpita sharma
22	Arushi
23	Ashka gandharav
24	Ashutosh
25	ASTITWA TRIPATHI
26	Ayushmaan Sharma
27	Basant Saini
28	Bhavika Mudgal
29	Bhavya Bhatnagar
30	bhawna jha
31	Bhoomi
32	Bhumi choudhary
33	Bhumiibajaj
34	Bilal Khan
35	Chakshu vashisth
36	Chandra Shekhar (Aashu Verma)
37	Damini Singh 31
38	Deepak
39	Deepanshu Khokher
40	Deevanshi lalwani

41	Devendra kumar Tiwari
42	dhruv singh
43	Divita Grover
44	DIVYA
45	Divyanshi chauhan
46	Dolly Rajput 40
47	Dushyant Rajawat
48	Gargi
49	Garv Batra
50	Goldi verma
51	Gungun
52	Harshit Goel
53	Hemlata .
54	Himansh verma
55	Hriday Arora
56	Ishant ferwani
57	Ishika Chauhan
58	Ishika Jha
59	Ishika Sharma
60	Jiya Yadav
61	Jiyaa
62	Juli
63	Juli and zainab
64	Jyoti Gupta
65	Kajal
66	Kajol
67	Kanchan
68	Kanishak
69	kartavya
70	Kashish bisht
71	Kaushiki
72	KHUSH CHAWLA
73	Khushi
74	Khushi goyal
75	KHUSHI KUMARI
76	Khushi lilani
77	Khushi singh
78	Khushi Vishwakarma
79	KhushiJhamnani
80	Kittu karamchandani
81	komal Motwani
82	Krishan Kumar
83	Krishna
84	Krishna Somwani
85	Kumkum kumari



86	Lakshita Khanna
87	Lalita Chamarthi
88	Lehna Husain
89	Madhur
90	Mahak Ladhani
91	Mahak Nawani
92	Manan Kumar
93	Manas jalal
94	Manasvi 0_0
95	manav jha
96	Manav Kapoor
97	mani joshi
98	Manisha
99	Manisha Harchkal
100	Manit Vig
101	Manshi Singh
102	Mansi
103	Mansi Jeswani
104	Manvi Sharma
105	Manya
106	Manya parashar
107	Meenakshi Chauhan
108	Megha bhaskar
109	Mohd Asad
110	MOHINI
111	Molichauhan
112	Monika panjwani
113	Muskaan
114	Muskan Sharma
115	Nancy
116	Nancy Dewani
117	Nancy Gupta
118	Nancy panjwaniu
119	Natasha Sharma
120	Neelam
121	Neeru
122	Neetu Naikya
123	Neha
124	Neha ansari and shreya singh
125	Neha Gautam
126	Nibha
127	Nisha
128	Nishant
129	Nishi Jha
130	Nitin

131	Nitish Kumar
132	Nutan Joshi
133	Palak
134	PALAK KATARIYA
135	Palak Kumari
136	Palak Nagwani
137	Palak Singh
138	Pallavi Dixit
139	Pallavi Jaiswal
140	Pari Sharma
141	PARII HEMNANI
142	Parth malhotra
143	Parul Tyagi
144	PAWAN KUMAR
145	Payal Maharana
146	Pihu
147	Prabhavati
148	prabhu prabhu
149	Prachi jat
150	Prachi Nagar
151	Pragath Rao
152	Prashant Kumar upadhyay
153	Pratibha
154	Praveen Regmi
155	Priya
156	Priya dodani
157	Priya raghav
158	Priyanka Rajak
159	Priyanka Tomar
160	Radha
161	Radhika Mahour
162	Raghav sharma
163	Rajdeep
164	Rana Bhanu
165	Rishi Soni
166	Rishit Chopra
167	Ritesh Soun
168	Ritika
169	Ritika sharma
170	Ritikamishra
171	Riya
172	Riya Chauhan
173	Sachin Yadav
174	Sakshi Chourasia
175	Saloni

176	Saloni
177	Samiksha Tamang
178	sangeeta arora
179	Sarita
180	Sarita Shrivastava
181	Satendra
182	Satvik Vashishtha
183	Saurav Kumar
184	seema
185	Shagun
186	Shalini_gemini
187	Shekhar Kumar
188	Shiba saifi
189	Shikha
190	Shikha
191	Shivangi Gupta
192	Shivangi Mishra
193	Shivangi singh
194	Shobhraj
195	Shushma singh
196	Sidharth chauhan
197	Simran Rajshri
198	Siya Verma
199	sneha
200	Sneha Sharma 31
201	Sonakshi Singh
202	Sonali rawat
203	Sonali Singh
204	Sonalika Sharma
205	Sonam
206	soyita chand
207	Srishti
208	Suhaliyha
209	Sukhraj Singh
210	Suryansh Kumar
211	Sweetie gupta
212	Tanishka chaudhary
213	Tanishka joriya
214	Tanu Mishra
215	Tanuja Srivastava
216	Tashu panjwani
217	TasmiYa Ahmed
218	Tushar swaroop
219	UDAY BANSAL
220	Ujjwal kumar

221	Unnati singh
222	Vaibhav Gahlot
223	Vandana Kotwani
224	Vanshika
225	Veena
226	Vikas Prajapati
227	Yash
228	Yash Jasnani
229	Yashna sah
230	Yogesh Singh
231	Zainab



## Certificate

This is to certify that the event Labotonics : Electify the live laboratory with basic science experiments & Webinar on E-Waste management and Awareness was successfully conducted on 30<sup>th</sup> September 2021 at 10.00am- 12.30pm by Department of Electronics in the online mode and its event report has been submitted to IQAC for records.

*C. Shula Reddy*  
Principal

Principal  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan  
New Delhi-110 021

*Vaishali*  
IQAC Coordinator

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