

OUTREACH PROGRAM FOR SCHOOL STUDENTS

Organized by
Department of Botany
In collaboration with
IQAC, Dr. A. P. J. Abdul Kalam Government
College

4th August, 2022

*Students of Aswininagar TN Mandal
Institution visited our department*



GPS Map Camera

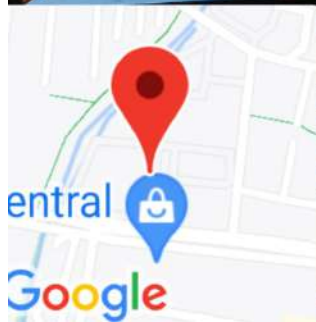
New Town, West Bengal, India

Dr. A.p.j. Abdul Kalam Government College, Dr. A.p.j. Abdul Kalam Government College,
BA Block(Newtown), Action Area I, Newtown, Kolkata, West Bengal 700156, India

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Long 88.458626°

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Outreach Program for School Students

Organized by

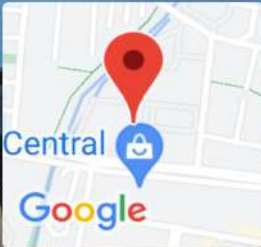
Department of Botany

In collaboration with

Internal Quality Assurance Cell

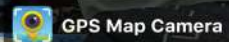
Dr. A. P. J. Abdul Kalam Government College

Outreach is an activity of providing services to any stakeholders who might not otherwise have access to those services. It is an activity where institutions reach out to share what-so-ever research or innovations in the teaching done at an institute. The Department of Botany, in collaboration with IQAC, has organized such an outreach program for school students to give them a glimpse of different plant science experiments and encourage them to take up higher studies in the future. The program was organized on 4th August 2022. Fifty students of class X from the Aswininagar J. N. Mandal Institution have actively participated in the program. The headmaster and three assistant teachers of the school accompanied the students. The program consisted of an introductory session where our Principal addressed the students with his motivating words. There were three technical sessions. In the first session, students learned about different physiological phenomena of plants, like photosynthesis, transpiration, respiration, and ascent of sap. The session was conducted by Dr. Mala Neogy and Debasis Mondal. The second session involved a visit to the departmental instrument room where our Semester VI students demonstrated the different instruments used in a typical plant science laboratory. The third session focused on cytology where the students learned about the different stages of cell division and the techniques used to visualize cell division from onion root tips. This session was conducted by Dr. Saswati Bhattacharya and Dr. Riddhi Datta. Each technical session consisted of a brief lecture on each topic followed by a demonstration and hands-on training on physiological and cytological experiments. Modern teaching-learning methods, like PowerPoint presentations, cartoon diagrams, and animations were used to help conceptualize the topics. The program was concluded by a question answer and feedback session followed by certificate distribution. The students were provided with a small kit with hand-outs for each session and small refreshment was arranged for all the participants. The program presented a visualization of different biological phenomena that the students read in black and white in their usual classes.



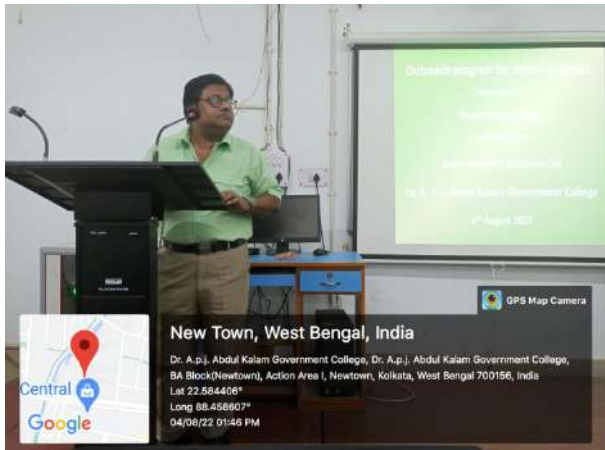
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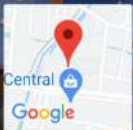
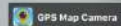
New Town, West Bengal, India

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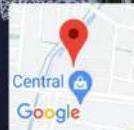
New Town, West Bengal, India

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New Town, West Bengal, India

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Organizing committee

President

Dr. Debasish Banerjee, Principal

Chairperson

Dr. Mala Neogy, Co-ordinator, IQAC

Joint organizing secretaries

Dr. Saswati Bhattacharya

Dr. Riddhi Datta

Treasurer

Debasis Mondal

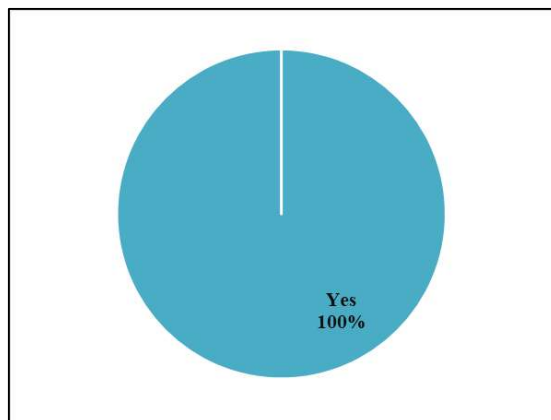
Program schedule

09:30 AM – 10:30 AM:	Registration and welcome address
10:30 AM – 12:30 PM:	Session I on Plant physiology techniques
12:30 PM – 01:00 PM:	Session II on Visit to instrument room
01:00 PM – 01:30 PM:	Address by the Principal
01:30 PM – 02:30 PM:	Lunch break
02:30 PM – 04:30 PM:	Session III on Cytology experiments
04:30 PM – 05:00 PM:	Question/Answer and Feedback session

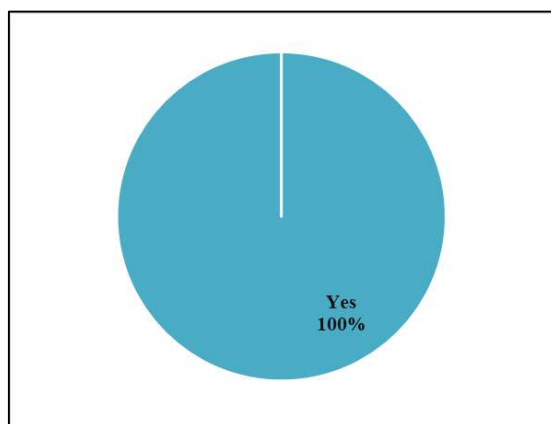
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Feedback Analysis

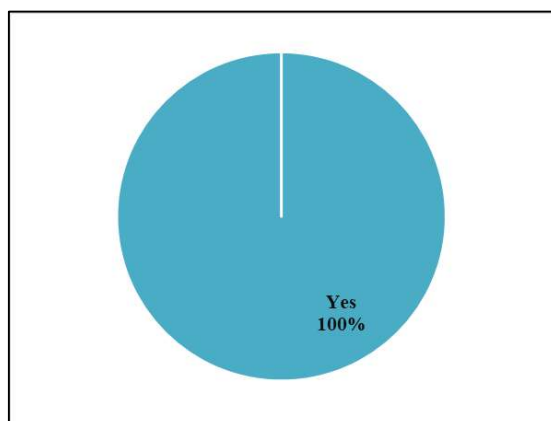
1. Did you enjoy the program?



2. Was the program interesting to you?

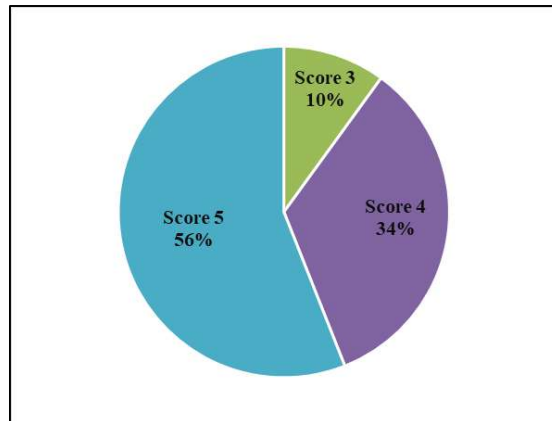


3. Would you like to participate in such programs in future?

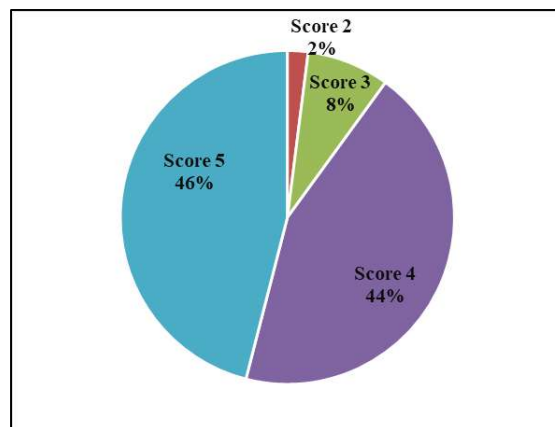


Ratings were taken on a scale of 1-5 [1: unsatisfactory, 2: average, 3: good, 4: very good, 5: excellent]

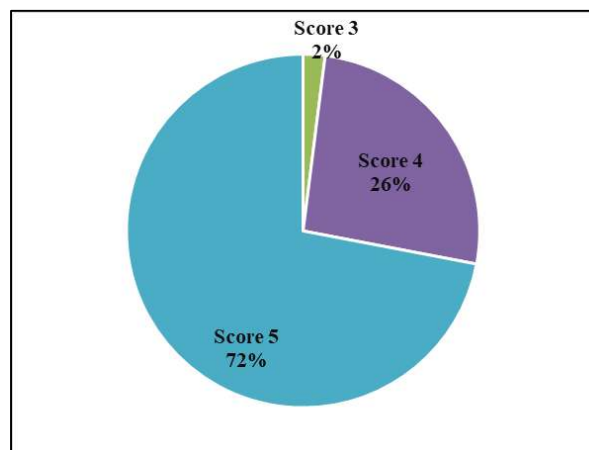
Session I: Plant physiology experiments



Session II: Visit to instrument room



Session III: Cytology experiments



Resolutions taken on the basis of participants' feedback:

- All the participants enjoyed the program and found the sessions interesting.
- 56% participants found that the session on plant physiology experiments (Session I) excellent, 46% found that the session on instrument room visit (Session II) excellent, while 72 % found the session on cytology experiments excellent.



Dr. A.P.J. Abdul Kalam Government College
Department of Botany
Plot BA-1, Action Area I, New Town, Kolkata 700156
Email: botany.ntgc@gmail.com

Memo No.....

Date

To
The Principal,
Dr. A.P.J Abdul Kalam Government College,
New Town.

Permitted
23.3.22

Principal
Dr. A.P.J. Abdul Kalam Govt. College
New Town, Rajarhat
Kolkata - 700156

Sub: Permission for conducting outreach program

Sir,

This is for your kind information that we are interested to organize an outreach program from our department for popularization of science among school students. We will be highly obliged if you kindly grant the permission for organizing the same.

Thanking you

Yours faithfully

(Dr. Mala Neogy)

Associate Professor and Head

Department of Botany

Dr. A.P.J Abdul Kalam Government College

Associate Professor, WBES
Head, Department of Botany
Dr. A.P.J. Abdul Kalam Govt. College
New Town, Rajarhat



GOVT. OF WEST BENGAL

OFFICE OF THE PRINCIPAL
DR. A. P. J. ABDUL KALAM
GOVT. COLLEGE
PLOT. BA-1, AA-1, NEW TOWN RAJARHAT,
24 Pgs. (NORTH), KOLKATA - 700 156
URL : <http://newtowngovtcollege.in>
E-mail : newtowncollege@gmail.com

ড: এ পি জে আব্দুল কালাম
গভ: কলেজ
প্লট. বিএ-১, এএ-১, নিউটাউন, রাজারহাট,
২৪ পরগনা (উত্তর), কলকাতা - ৭০০ ১৫৬
ইউ আর এল : <http://newtowngovtcollege.in>
ই-মেল : newtowncollege@gmail.com

Memo No. 193/APJGC/22/07

Date 18-07-2022

To
The Headmaster,
Aswininagar J. N. Mandal Institution,
Baguihati,
Kolkata.


Sub: Invitation for outreach program organized by Department of Botany in collaboration with IQAC, Dr. A.P.J. Abdul Kalam Government College

Sir,

I would like to share with you that the Department of Botany of our College in collaboration with IQAC, is going to organize an outreach program on 04.08.2022. We will be glad if you send your students (maximum forty) to our college on that date. The aforesaid department will arrange for some experiments of Plant Science and hands on training programme. The participants will be awarded with certificates after successful completion of the event. No communication expense will be provided by the college.

Your co-operation is highly solicited.

Yours sincerely


Principal 15.07.2022

Dr. A.P.J. Abdul Kalam Government College



Outreach program for School Students

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Department of Botany

In collaboration with

Internal Quality Assurance Cell

Dr. A.P.J. Abdul Kalam Government College

Attendance sheet

Participants from Aswininagar J. N. Mandal Institution

Sl. No.	Name (in block letters)	Class	Signature
1.	ANKITA MANDAL	X	Ankita Mandal
2.	RIMI DEY	X	Rimi Dey
3.	SAGARIKA MONDAL	X	Sagarika Mondal
4.	MADHUMITA MAJUMDAR	X	Madhumita Majumdar
5.	SUSHMITA HALDER	X	Sushmita Halder
6.	SRISTI BALA	X	Sristi Bala
7.	DIPA ROY	X	Dipa Roy
8.	RIMPA MONDAL	X	Rimpa Mondal
9.	SATHI DAS	X	Sathi Das
10.	MOUMITA HALDER	X	Mamita Halder
11.	MANISHA SINGH	X	Manisha Singh
12.	POLY BISHAS	X	Poly Biswas
13.	RIMJHIM RAHA	X	Rimjim Raha.
14.	JUI BALA	X	Jui Bala
15.	Swapna Halder	X	Swapna Halder
16.	SWEETJ Pal	X	Sweetj Pal
17.	Abhimanya Mondal	X	Abhimanya Mondal

18.	Arpita ARPITA BARIK	X	Arpita Barik
19.	SUPRIYA TALUKDER	X	Supriya Talukder
20.	SUSHMITA MONDAL	X	Sushmita Mondal
21.	RIMPA RAJBANSHI	X	Rimpa Rajbanshi
22.	DEBASISH MAJUMDAR	X	Debasish Majumdar
23.	ANUP DAS	X	Anup Das
24.	AVIJIT MONDAL	X	Avisit Mondal
25.	ARUP SARKAR	X	Arup Sankar
26.	SUDEEP MONDAL	X	Sudeep Mondal
27.	BAPAN PATRA	X	Bapan Patra
28.	BIJOY MISTRY	X	Bijoy Mistry
29.	RAHUL MONDAL	X	Rahul Mondal
30.	KAISH CHATTERJEE	X	Kaish Chatterjee
31.	SANIT MAHALDER-	X	Sanat mahalder
32.	DEBANGSHU MONDAL	X	Debangshu Mondal
33.	SUPRIYA MONDAL	X	Supriya Mondal
34.	SUPRIYA DAS	X	Supriya Das
35.	Mondira Biswas MONDIRA BISWAS	X	Mondira Biswas
36.	MD ABDUR RAHIM GAZI	X-A	Md Abdur Rahim Gazi
37.	RUDRANIL BHATTACHARYA	R-A	Rudranil Bhattacharya
38.	TUFAN MONDAL	X	Tufan Mondal
39.	CHANDAN GAYEN	X-A	Chandan Gayen
40.	SANDIP SARKAR	X	Sandip Sankar
41.	SANTANU MISTRY	X	Santanu Mistry
42.	SAGAR SANFUI	X	Sagar Sanfui
43.	SAGOR BISWAS	X	Sagor Biswas
44.	RITISA BALI	X-A	Ritisa Bali
* 45.	RUPSHA MAJUMDER	X-A	Rupsa Majumder

SL. No.	NAME	Class	Signature
* 46.	SAMPA SARKAR	<u>X</u>	Sampa Sarkar
* 47.	NANDITA BISWAS	<u>X</u>	Nandita Biswas
* 48.	BITHIKA PAL	<u>X</u>	Bitika pal
* 49.	NIBIDITA BISWAS	<u>X</u>	Nibidita Biswas
* 50.	PAYEL HALDER	<u>X</u>	Payel Halder



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Dr. A.P.J. Abdul Kalam Government College

Date: 04.08.2022

Feedback form for participants

Did you enjoy the program?

Yes No

আপনি কি প্রোগ্রামটি উপভোগ করেছেন?

হ্যাঁ না

Was the program interesting to you?

Yes No

প্রোগ্রামটি কি আপনার কাছে আকর্ষণীয় ছিল?

হ্যাঁ না

Would you like to participate in such programs in future?

Yes No

আপনি কি ভবিষ্যতে এই ধরনের প্রোগ্রামে অংশ নিতে চান?

হ্যাঁ না

Please rate the sessions on a scale of 1-5 [1 (unsatisfactory), 2 (average), 3 (good), 4 (very good), 5 (excellent)]:

অনুগ্রহ করে 1-5 এর স্কেলে সেশনগুলিকে রেট দিন [1 (অসন্তোষজনক), 2 (গড়), 3 (ভাল), 4 (খুব ভাল), 5 (চমৎকার)]:

Session I: Plant physiology experiments/ সেশন I: উদ্ভিদ শারীরবৃত্তীয় পরীক্ষা: 4

Session II: Visit to instrument room/ সেশন II: যন্ত্র কক্ষ পরিদর্শন: 4

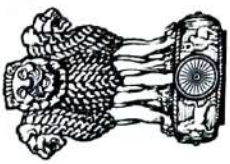
Session III: Cytology experiments/ সেশন III: সাইটোলজি পরীক্ষা 4

Remarks/suggestions if any:

মন্তব্য/পরামর্শ যদি থাকে:

প্রোগ্রামটি খুব ভালো। এই কলেজটিতে খুব ভালো। ওহোহো খুব
আনন্দজনক। বসন্তেই Student ও Teacher খুব ভালো।

Name: Manisha Singh



सत्यमेव जयते

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New Town, Kolkata



Certificate of Participation

This is to certify that _____, a student of

Aswini Nagar J. N. Mandal Institution has attended and actively participated in the Outreach Program

for School Students held on 04.08.2022.

Principal

IQAC Co-ordinator

Joint Organizing Secretaries