



17

GPS Map Ca

Guwahati, Assam, India
4RC8+CJ2, Resham Nagar, Khanapara, Guwahati
Assam 781028, India
Lat 26.121012°
Long 91.816498°
05/23 11:37 AM GMT +05:30



REPORT

EXPOSURE TRIP CUM ENRICHMENT PROGRAMME

ORGANIZED BY

DEPARTMENT OF PHYSICS



DATE : 13TH MAY 2023

VENUE : SCIENCE MUSEUM GUWAHATI

**KIANG NANGBAH GOVT. COLLEGE, JOWAI
DEPARTMENT OF PHYSICS.**

**Report of the Exposure Trip cum Enrichment programme for
B.Sc 6th semester 2023, taken to Science Museum Regional Science
Center at Khanapara, Guwahati, Assam on the 13th May 2023.**

The Department of Physics, Kiang Nangbah Govt. College, Jowai decided to take the Students of B.Sc 6th Semester Batch 2020 for Exposure trip cum Enrichment programme to Science Museum Regional science center at Khanapara, Guwahati, Assam on the 13th May 2023.

The main aim and objective of the program was to expose our students to the Physics environment outside the College campus so that they develop more knowledge and interest in Science and Technology in general, and Physics in particular .


The Head of the Department had requested the Principal to give necessary permission for the trip and to allow the Department to use a college bus for the trip with a request to sanction an amount of Rs 10,000/- (Ten thousand) as decided by the Academic Council meeting, vide letter No. KNGC/D-08/PHYS/2022-23/P/14 Dated Jowai the 24th April 2023 and No. KNGC/D-08/PHYS/2022-23/P/17 Dated Jowai the 2nd May 2023. A permission for the Exposure trip cum enrichment programme was granted by the Principal vide letter No. KNGC/F.TRIP/8/2023-2024/185 Dated the 8th May 2023.

The journey for the exposure trip was taken using College bus which started from the College Campus at 4:30 A.M. The total number of students going for the programme was 31 (thirty-one) under the leadership of Shri R. Nanghuloo, Asst. Prof. and Dr. Suchiang Asst. Prof as teachers escorts together with the the lab bearer Shri E. Nongrum. We have reached the venue at 9:00Am and after buying an entry ticket to all students and escorts, we were allowed to enter inside the Science Museum. The museum is big two storey building that has a big campus with enough parking space. It was established on the 15th March 1994. It is one of the educational centers in the state of Assam which was build to promote, enlighten, and educate students regarding the impact of Science and Technology. In the ground floor there is a monument of Mahatma Gandhi, many experiments related with Chemistry and some experiments related with Physics. for example Foucault's Pendulum. The 1st Floor of the building contains many Physics experiments and mathematics modeling attached along with instructions on how to use them, together with their working principles. Some of the experiments are Infinity well, Spinning egg, Music in the air, Magnetic deflection, Visualizing sound, Curie point, Floating ball, Kinetic sculpture, Snake pendulum, Vortex, model of Pythagoras theorem, Value of Pi, conversion from Decimal to binary and many more.



The students were very excited to learn many new and interesting experiments which were not available in our laboratory. All students were given an assignment to write a report based on the experiments that they had learned and also on their experiences of trip. All students have submitted their report to the department.

It was a programme where everyone enjoyed while they learned new experiments and it helped the participants understand the concepts of some topics better. The trip was a huge success and it really enriched the knowledge of students and faculties alike.



HOD

**Department of Physics
Kiang Nangbah Govt. College, Jowai.**



KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI
DEPARTMENT OF PHYSICS

No. KNGC/D-08/PHYS/2022-23/P/ 14

Dated Jowai the 24th April 2023

To,

**The Principal,
Kiang Nangbah Government College, Jowai.**

Subject: Requesting for providing of College Bus for Students Exposure Trip

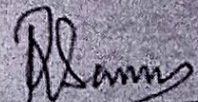
Madam,

With reference with the subject cited above I would like to inform you that the Department has resolved to take the Students of B.Sc 6th Semeter 2023 for Exposure Visit to Science Museum Guwahati, Assam on the 13th May 2023. In this regard, the Department needs a college Bus for this trip. I therefore request you to kindly provide the Department a college Bus for this trip.

For your kind consideration I highly appreciated.

Thanking you.

Your faithfully,



**Head of Department Physic.
KNG Govt. College**



KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI
DEPARTMENT OF PHYSICS

No. KNGC/D-08/PHYS/2022-23/P/17

Dated Jowai the 2nd May 2023

To,

The Principal,
Kiang Nangbah Government College, Jowai.

Subject: Requesting for providing Fund for Enrichment Programme

Madam,

With reference with the subject cited above I would like to inform you that the Department has resolved to take the Students of B.Sc 6th Semeter 2023 for Enrichment Cum Exposure Visit to Science Museum Guwahati, Assam on the 13th May 2023. In this regard, I request you to kindly sanction fund to the department for Enrichment Programme Rs 10,000/- (Ten Thousand only) as decided in the Academic Council meeting and also request you to transfer this fund allotted to the Department to the Account No. 30094475675 in SBI Lathalaboh Branch of IFSC code SBIN001628 of Shri Rimikilada Nanghuloo teacher's incharge for this Programme.

For your kind consideration I highly appreciated.

Thanking you.

Your faithfully,



Head of Department Physic.
KNG Govt. College





GOVERNMENT OF MEGHALAYA
Office of the Principal, Kiang Nangbah Govt. College, Jowai
(Affiliated to North Eastern Hill University)
Jowai- 793150




Dr(Mrs) E.M.Blah,
Principal,

(O) Tel. No. 03652-22379
Email: kngc1967@gmail.com

No.KNGCJ/F.trip/8/2023-2024/185,

Dated Jowai, the 8th May, 2023.

To  Shri T. Bamon,
HOD, Physics Department.
Kiang Nangbah Govt. College, Jowai.

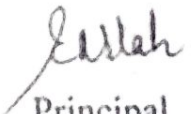
Subject: **Permission to use the College Bus for students Exposure trip.**

Sir,

With reference to the subject cited above, I would like to inform you that permission is hereby granted for the Department of Physics to take the B.Sc 6th Semester students for Exposure visit to Science Museum Guwahati, Assam on 13th May, 2023 and to avail the service of the College Bus No. ML-01 3148.

This is for your information and necessary action.

Yours sincerely,

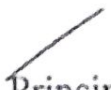

Principal
K.N.Govt.College, Jowai.

Memo No.KNGCJ- F.trip/8/2023-2024/185-A

Dated Jowai, the 8th May, 2023

Copy for information and necessary action to:

1. Shri Wonderful Phai, College Bus driver for information and necessary action.
2. Office copy.


Principal
K.N.Govt.College, Jowai.



KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI
DEPARTMENT OF PHYSICS

No. KNGC/D-08/PHYS/2022-23/P/ Z2

Dated Jowai the 23rd May 2023

To,

The Principal,
Kiang Nangbah Government College, Jowai.

Subject: Expenditure for Enrichment Programme

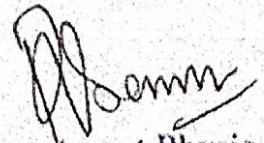
Madam,

With reference with the subject cited above I would like to inform you that the Department has taken the students of B.Sc 6th semester to Regional Science Centre (National Council of Science Museums) at Jawaharnagar, Khanapara, Guwahati, Assam for an Enrichment programme on the 12th May 2023. In this regard, I would like to submit the details expenditure of fund sanctioned to our department amounting Rs 10,000/- (Ten thousand only) for this programme. The details of expenditure along with vouchers are enclosed herewith

Thanking you.

Enclo as stated:

Your faithfully,



Head of Department Physic.
KNG Govt. College



KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI**DEPARTMENT OF PHYICS**

The following are the List of B.Sc 6th Semester students and Escorts for Exposure Trip cum Enrichment programme to Science Museum Regional science center at Khanapara, Guwahati, Assam on the 13th May 2023.

SL NO	UNIV ROLL NO	NAME OF STUDENT	MOBILE NUMBER	ATTENDANCE
1	S2002414	RESTORE MI DKHAR	8258822867	PRESENT
2	S2002415	KERMI TANG	6009982144	PRESENT
3	S2002416	HOPING LANGSTANG	9366887727	PRESENT
4	S2002417	HAMEHI DKHAR	9383287761	PRESENT
5	S2002418	IAISHAH SUMER	8119010295	PRESENT
6	S2002419	RISTILA KHONGLAM	8131931246	PRESENT
7	S2002420	BALARIHUN PASLEIN	9863592804	PRESENT
8	S2002421	PIZENROY LYNGDOH	6003096833	PRESENT
9	S2002422	MEDAL CHALLAM	8413812203	PRESENT
10	S2002423	SAMBUN LATO	8730881035	PRESENT
11	S2002424	PRECIOUSTAR STEN	9366916147	PRESENT
12	S2002426	WORKET POHKYRNU	9366876423	PRESENT
13	S2002427	ELVIN VAN DAME TARIANG	8132867118	PRESENT
14	S2002428	TEIBORMI SUIAM	7627916844	PRESENT
15	S2002429	RAPKIOO PHAWA	8660907018	PRESENT
16	S2002430	BITRIS PHYLLEI	8837243627	PRESENT
17	S2002431	JEWEL RYMBAI	9362177228	PRESENT
18	S2002434	ARKINI LYNGDOH	9862599967	PRESENT
19	S2002435	EVINISHA PATLONG	6909535938	PRESENT
20	S2002436	DONKUPAR LYNGDOH	6002060267	PRESENT
21	S2002437	SUTING BAPUNG	9366121724	PRESENT
22	S2002438	KHRAWKUPAR WAR	9863204723	PRESENT
23	S2002439	KHROO PHAWA	8837382380	PRESENT
24	S2002440	DARISHISHA LYNGDOH	7085479309	PRESENT
25	S2002441	DIANGLANG KSOO	6909902426	PRESENT
26	S2002442	FANTIN KHYNDA	6009059899	PRESENT
27	S2002444	DAKERMIKA PYRTUH	6009667334	PRESENT
28	S2002445	REPUSAL POHDWENG	8416049368	PRESENT
29	S2002446	AMBITIOUS LAPASAM	9774572279	PRESENT
30	S2002449	EXTENT RAMUT	9366752801	PRESENT
31	S2002451	IEIBHA U THOOH TALANG	8014160557	PRESENT
	SL NO	NAME OF ESCORTS	MOBILE NUMBER	DESIGNATION
	1	SHRI RIMIKILADA NANGHULOO	8732074257	ASST. PROF.
	2	DR DAMEWAN SUCHIANG	7005145690	ASST. PROF.
	3	SHRI EMERGENCY NONGRUM	9436743283	LAB BEARER

HOD

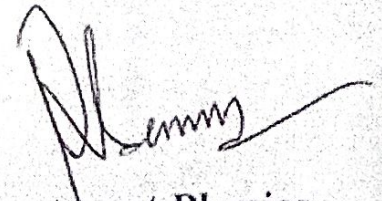
Department of Physics
Kiang Nangbah Govt. College, Jowai

KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI
DEPARTMENT OF PHYSICS

Statement of Expenditure for Enrichment Programme

SI No.	Voucher No.	Date	Particular	Amount
1	34412	13-05-2023	Diesel for College Bus	9200.00
2	00162315	13-05-2023	Entry Ticket	805.00
			Grand Total	10005.00
			Round off Total Amount	10000.00

(Rupees Ten Thousand only)



Head of Department Physics
Kiang Nangbah Govt. College, Jowai





REGIONAL SCIENCE CENTRE

(National Council of Science Museums)

Ministry of Culture, Govt. of India

Jawaharnagar, Khanapara, Guwahati-781022



Bill No. 1852
Date 13-5-2017

Sl. Description

Entry Ticket

Sl. Description	Qty	Rate	Amount
1 Govt. School (Students)	37	15.00	555.00
2 Parking Bus (Boys)	1	250.00	250.00
Total			₹ 805.00
Cash		805.00	
Cash Tenders		910.00	
Balance		500.00	

① ② ③ ④ Visiting Hours : 9.30 A.M. TO 6.00 P.M. ⑤ ⑥ ⑦ ⑧

No. 34412 Date 13/5/17

Cash/Credit Memo

M/S K. RYMBAI & Co.
Dealer Indian Oil Corpn. Ltd. (A.O.D)
Ladhadlaboh Jowai - 793150

Vehicle No. ML.OI.3148

Name of Party: K.N. GOVT. COLLEGE, JOWAI

Product	Lts	Amount	
		Rs.	P.
Petrol			
Diesel	104.01	9200	
M/ Oil			
G. / Oil			
TOTAL		9200	

Thank you Cashier



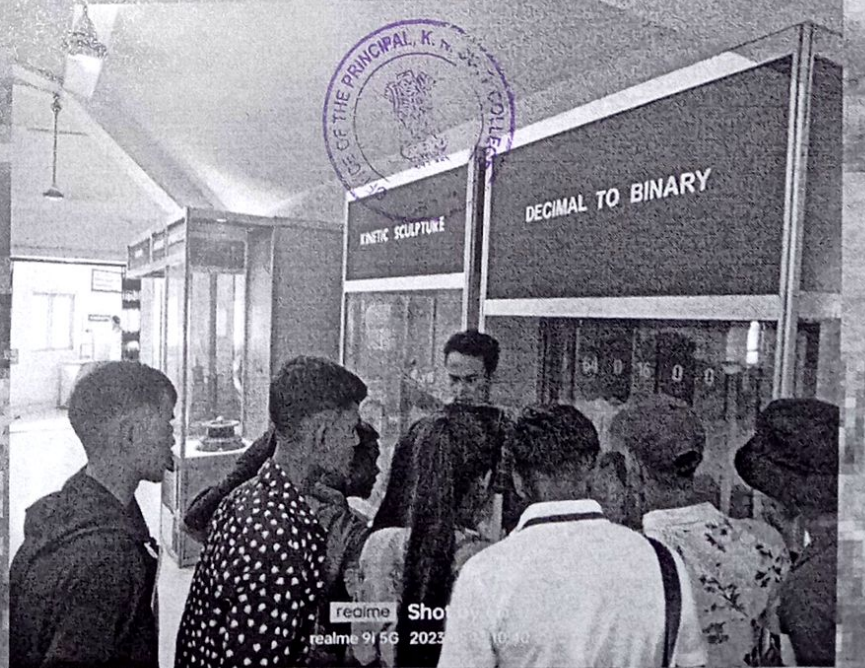
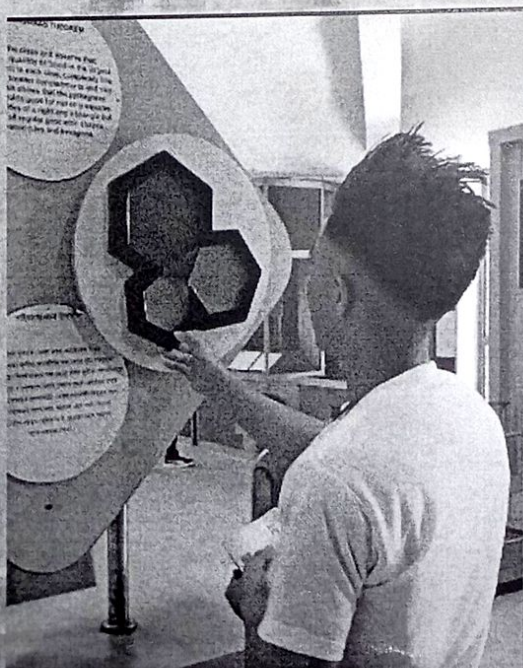
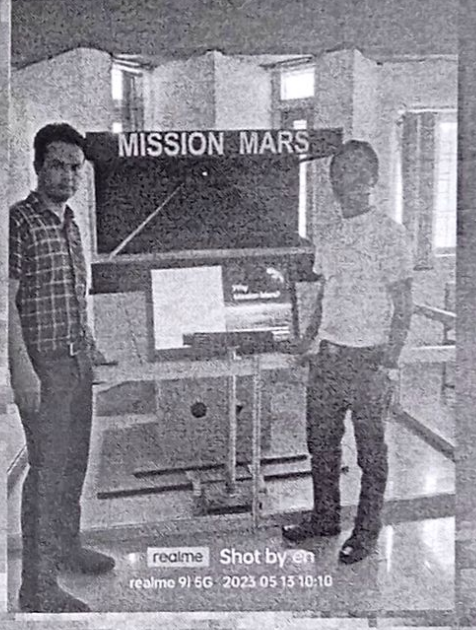
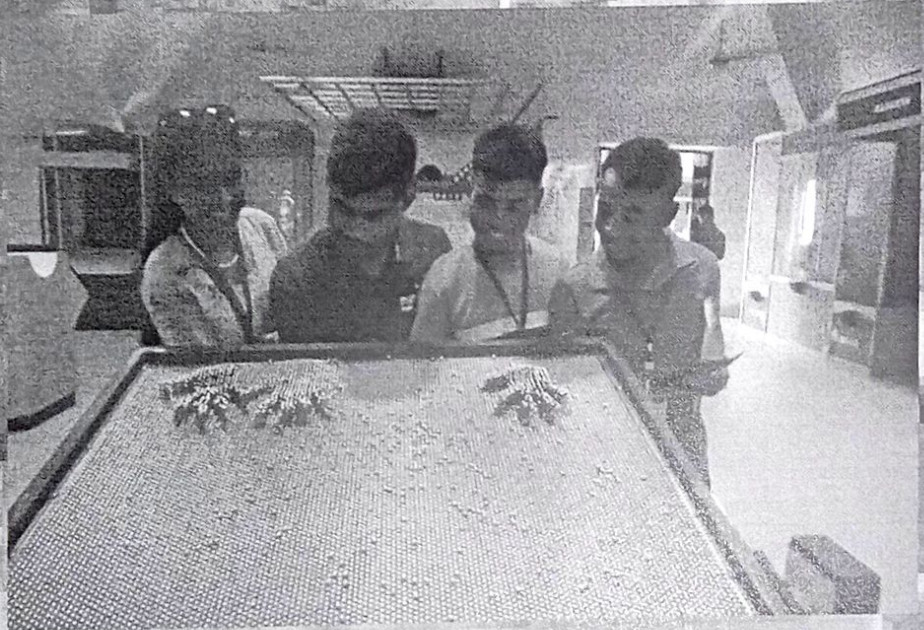
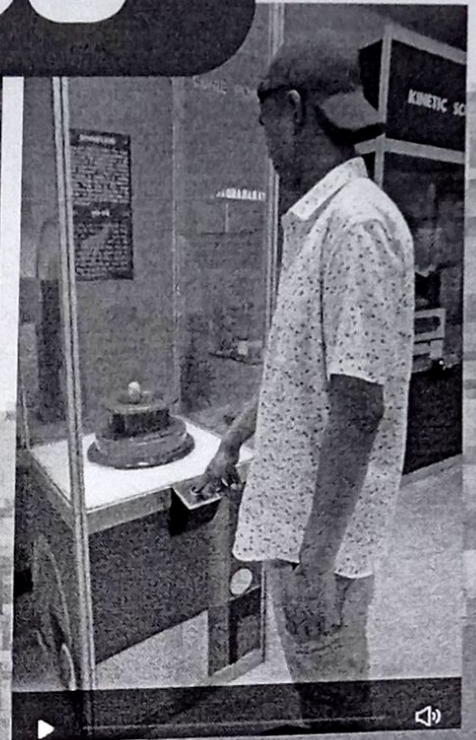
PHOTOS



GPS Map Camera



Guwahati, Assam, India
4RC8+CJ2, Resham Nagar, Khanapara, Guwahati,
Assam 781028, India
Lat 26.121012°
Long 91.816498°
13/05/23 11:37 AM GMT +05:30



realme Shot by en
realme 9i 5G 2023 05 10 10

VIDEOS

INFINITY WELL

Look down into the well it appears to go down below the floor to an abysmal depth.

The well is sandwiched between two parallel mirrors; one on the floor and the other on top of the well. The mirror on the top behaves as a true mirror for the brightly illuminated side and as a see-through glass for the less illuminated side. The image of the wall of the well is reflected back and forth

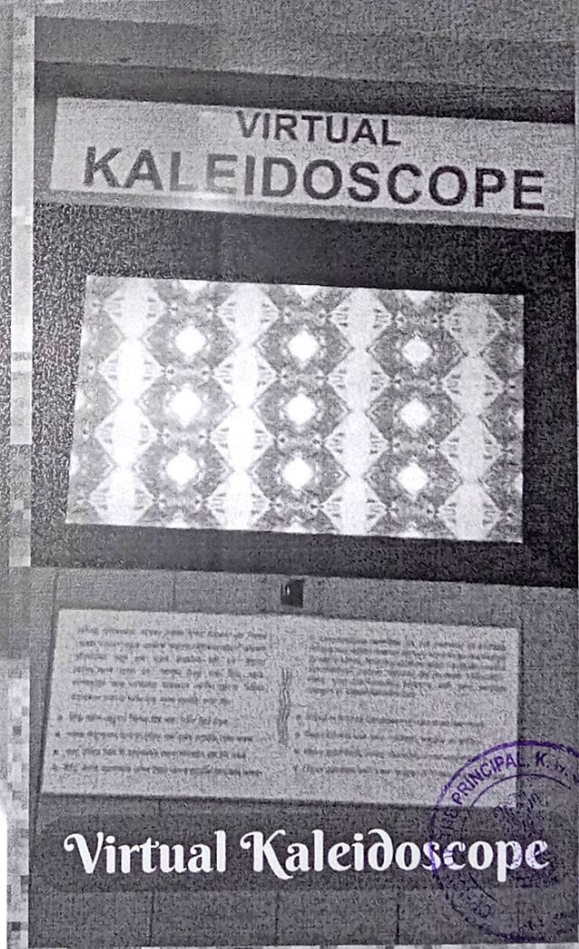
Infinity Well

duces many

images and therefore, the well appears very deep.



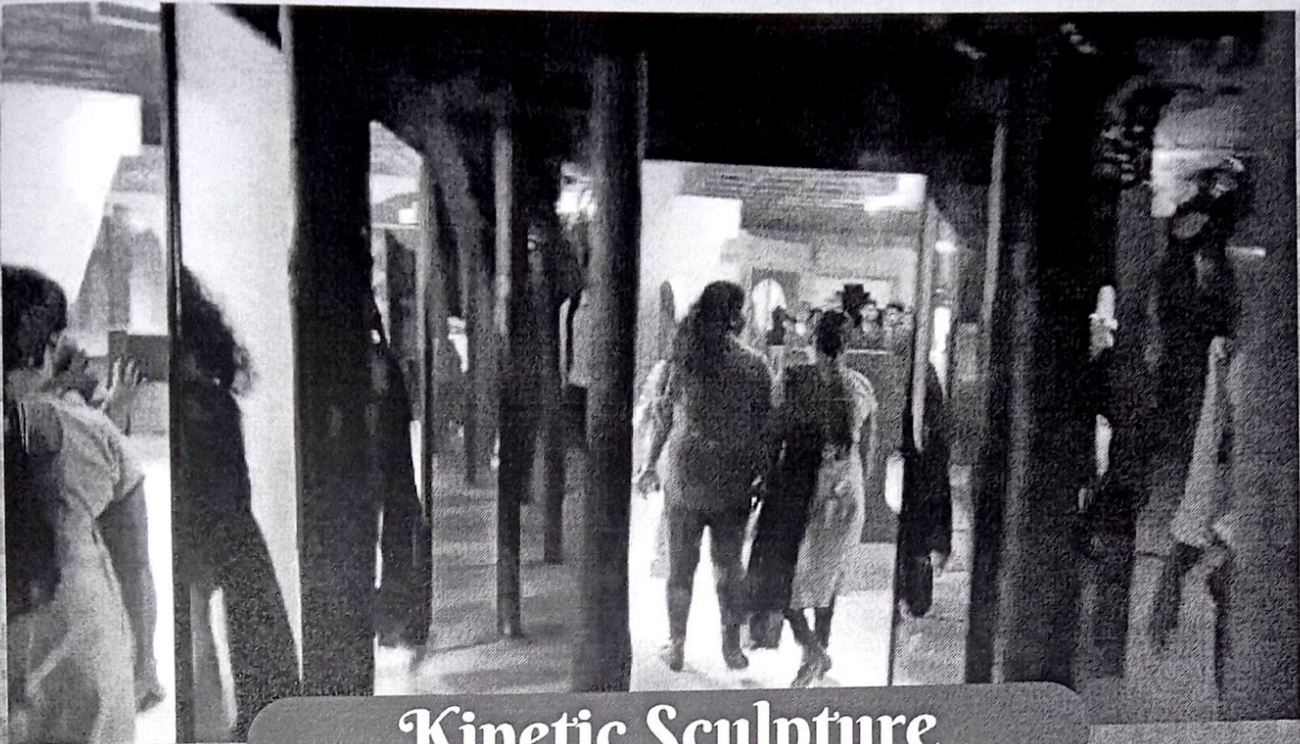
Spinning Egg



Virtual Kaleidoscope



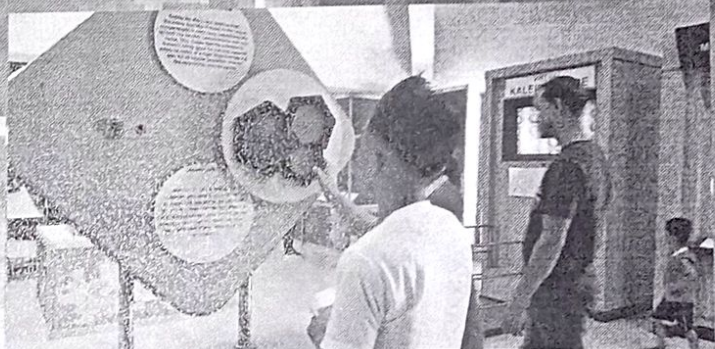
VIDEOS



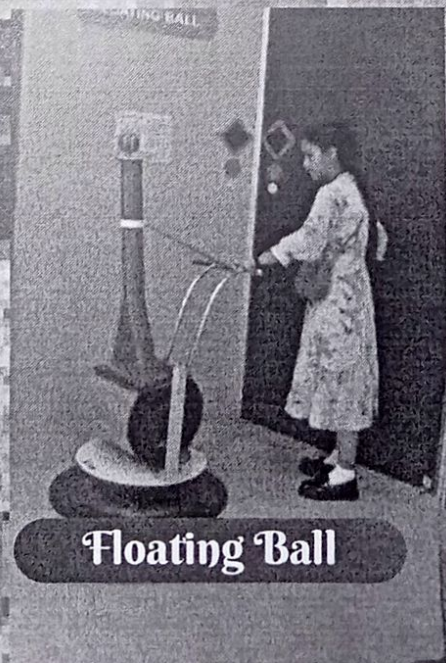
Kinetic Sculpture

SHAKE PENDULUM
Push the handle to push the balls forward and quickly release it to let the row of pendulums swing.
Keep watching the swinging pattern of the steel balls for a while. Observe that they move in unison like the wavy pattern of a snake's motion for sometime, and then break apart but only to reappear after a while. The sequence repeats until frictional forces stop their motion altogether.
Each of the pendulums moves back and forth at a slightly different rate determined by its length. The number of oscillation of each pendulum varies in such a way that the even numbered pendulums would complete an equal number of swings and would be back where they started from, while the odd numbered pendulums would be exactly halfway through one cycle at the same time to get over their start. The result is the fascinating wave of movement that seems to be moving along over time in the pendulums.

Snake Pendulum



Pythagoras Theorem



Floating Ball

