

# SCIENCE CENTRE

[Regd. Society : Estd : 1987]

Cell : 8250019262

e-mail:span1944@gmail.com



Address :

Golkuachawk

P.O. - Midnapore-721101

West Bengal, India

Ph. - (03222) 264125

[Recipient of Jawaharlal Nehru Prize 2001-02 from ISCA & Meghnad Puraskar-2013 from DST, WB for Science Popularization]

No- 4/Dec/ 2025-26

Date : 10<sup>th</sup> Dec, 2025

To

**The Additional Secretary to the Govt. of West Bengal,**

Department of Science & Technology and BT, Govt. of West Bengal

Vigyan Chetna Bhaban,

DD-26/B, Sector 1, Saltlake City

Kolkata 700064

Sub : Online Submission of Project Proposal , Scheme –'Science Popularization programme', type of memorandum SN- 19

**Dear Sir,**

Please find attached herewith a complete project Proposal on Amateur Astronomy for senior students and others for your consideration..

The proposal has duly been recommended by the B DO, Midnapore Sadar and all other documents are attached with the proposal in a single pdf format within the limit.

I would request you for considering the proposal and sanction grant for implementing the activity in time.

With regards,

Yours sincerely,

*MNGoswami*

(Dr. Makhanlal Nanda Goswami)

P I of the project

**Government of West Bengal**  
**Department of Science and Technology and Biotechnology(DSTBT)**  
**Vigyan Chetana Bhavan, Block DD, Plot 26/B, Sector -1**  
**Salt Lake City, Kolkata- 700064**

**Application Format for Science Popularization Programme**

**1. Programme Type (ref SN11 of the memorandum) : SN 19**

**2. Title of the proposed Programme:**

**Workshop on Amateur Astronomy with senior students and Others for  
Fostering an appreciation in Space Science.**

**3. Target Group (Faculty, Teacher, Research Scholar, School / College /  
University Student, Community) :**

**Senior School student & Science Communicators**

**4. Duration (days) : Two days ( 2-day)**

**Tentative Dates of the proposed Programme : 07 - 08 February, 2026**

**5. Aims, Objectives and Details of the Programme (attach separate sheet, if  
necessary)**

An object in the sky with luminance is called Luminary. The branch of science deals with luminary in the sky is called Astronomy. Amateur Astronomy is a hobby for wonder and enjoyment where people observe, photograph celestial objects like stars, planets, nebulae etc by naked eye to binoculars / telescope from casual star gazing to genuine scientific calculations.

**Aims and Objectives:**

- i) To educate participants about astronomy and to inculcate scientific approach of astronomy vis-a-vis space science
- ii) Provide hands-on experience with observational tools, Binocular and Telescopes.
- iii) Learning Observational astronomy Techniques.
- iv) Discussion and Hands-on experiments to find longitude and latitude of a place, Diameter of Sun, Making refracting telescope etc.
- v) Foster an appreciation for the night sky as a hobby or potential career path.

### Detailed programme :

Activities will cater to various interests and skill levels, from naked-eye stargazing to basic astrophotography and scientific data collection as follows.

- a). Discussion on different aspects, observation system-Geocentric and Heliocentric, Celestial poles, equator, ecliptic, equinox-autumnal and vernal, nadir and zenith, pole star, circum polar star, binary star system, star magnitude system
- b). Primary method of Sky gazing, Finding North Pole, Angular height of a star, Diameter of sun and preparation of Refracting telescope, How to read star chart etc
- c) **Night Sky Viewing** - involves observing the night sky through various equipment like binoculars and telescopes, focusing on different celestial objects such as the Moon, planets (Jupiter, Saturn, Mars), constellations, star clusters, nebulae, and galaxies (e.g., the Andromeda Galaxy).
- d) **Solar Observation:** Safely observe the Sun during the daytime using a solar-filtered telescope or a solar projection device to view sunspots and solar activity.
- e) **Telescope Basics** Offer training on how telescopes work, different types of mounts, how to set up and maintain equipment, and how to use various eyepieces and accessories.
- f) **Tracking Celestial Events:** Planning dates for activities around lunar and solar eclipses, meteoroids shower and other special astronomical phenomena.
- g). **Build a Model Solar System:** Create a scale model of the solar system using simple materials like paper or play dough to understand the relative distances between planets.
- h) **Moon Phase Demonstration:** Use a dark room, a bright lamp (representing the Sun), and a Styrofoam ball on a pencil to visually demonstrate the phases of the moon and why they occur
- i) **Astrophotography Basics:** Introduce the basics of capturing images of the night sky, from using a standard camera on a tripod to more advanced techniques with tracking mounts.
- J) **Astronomy Quizzes & Games:** Interactive quizzes or creating a "constellation transformation" activity where participants imagine and create new constellation patterns.

6. Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-coordinator (PC) (attach separate sheet, if necessary):

#### Program Coordinator:

Name: Dr. Makhanlal NandaGoswami

Designation : Associate Professor in Physics

Address : Deptt. of Physics,  
Midnapore College -721101  
Residence : Palbari, PO-Midnapore.  
Pin- 721101  
Mobile No +919732730573 e-mail ID : makhanlal@gmail.com

7. Legal status of the Institute (School/ College /University /Institute /  
Polytechnic / ITI / Autonomous body /registered NGO /Trust etc.):

NGO / SCIENCE CENTRE  
(Registered Society, Legacy Reg No- S/55113 of 1987-88)  
(E-district No- SO055113 of 1987-88)

8. Date wise detail Programme Schedule (attach separate sheet, if necessary):

Day & Date	Pre lunch session (9.30am-1.00pm)	Post lunch session (1.45 pm- 5.30 pm)	Evening session (6pm-9.00Pm)
1 <sup>st</sup> Day	Registration of participants Inauguration, General discussion on Astronomy	<u>Hands-on Astronomy:</u> Solar System model making Phases of Moon Primary method of sky gazing Basics of telescope	Sky watching by Telescope
2 <sup>nd</sup> Day	Feedback of 1 <sup>st</sup> Day Safe solar observation by Telescope Star chart reading	Finding Diameter of sun Preparation of Refracting telescope How to read star chart etc Astrophotography Basics How to track celestial events Astronomy Quizzes & Games	Sky watching by Telescope Feedback

9. Collaborating Institutions / Organizations, if any, with their specific contribution:

Name of Institution	Address	Contribution
N C Rana Sky Observation Centre, Midnapore College (Autonomous)	Midnapore, PO-Midnapore, Pin-721101 e-mail : mcm.principal@gmail.com	Telescopes on loan basis
Pachkhuri Deshbandhu High School(HS)	Pachkhuri PO- Pachkhuri, Pin-721150 e-mail ID- Fp.d.h.s.1952@gmail.com	Host : Free Venue for the Workshop

10. Expected number of participants and list of Resource Persons /Invited Speakers

a)Expected Participants :

- Students Class IX –XI & Science Communicators : 80 Nos
- Schools -8 No around the venue

b) Expected Resource Persons and speaker :

Sl	Name in full & Mb	Qualification	Experience in the field
1	Dr. Makhanlal Nanda Goswami Mb-97327305573	M Sc, PhD, Associate Prof. in Physics	20 years
2	Dr. Puspendu Kuila 9734666104	MSc, PhD, Associate Prof, Physics,	15-year
3	Gopal Mandal Mb-9635578948	M Sc, B Ed Asst. Teacher, Physics, Falta Vivekananda Adarsh Vidyalay, PO-Falta, Dist- South 24Parganas	19 years
4	Dr. Mrinmoy Hota Mb- 7001677616	MSc, PhD, Headmaster, Dahijuri Mahatma High School (HS) ,PO- Dahijuri, Dist- Jhargram	22 Years
5	Dr. Sumana Bhadra Mb-9775501661	M Sc, B Ed, PhD Asstt. Teacher, Balichak Girls High School PO-Balichak, Dist-Paschim Medinipur	15 years
6	Dr. Basanti Das Mb- 97358 71101	M Sc, B Ed, PhD Manindra Narayan Lahiri Smriti Vidyamandir Po-Sauri, Dsi- Paschim Medinipur,	25 years
7	Mr. Kalikinkar Raul Mb-9800231998	Midnapore College (Autonomous) PO-Midnapore Dist -Paschim Medinipur	20yrs ,Instructor, N C Rana Sky Observation Centre, Midnapore College(Autonomous)

Four resource persons / day will be in charge of the workshop.

11. Give "details" of the grant received from DSTBT in last three financial Years, if any along with the date of submission of UC, Audited SoE, Report etc..

Grant Received:

Year	Received Amount in Rs		Submission
2023-24 Sanction No - 390(11)WBSCST/0768/22 dated 23.08.23 Vide mail dated June 9, 2023	i).Celebration of National Mathematics Day	80000.00	Audited UC, SoE, Report duly submitted
	ii)Celebration of National Science Day	60000.00	

12. Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited S o E, Programme Completion Report, Feedback, Still and Video photographs etc .of the grant Allotted amount (If sanctioned) to be sent to the account-

Title of A/C	Account No	Name of Bank & Branch	IFSC Code	Responsibility
Science Centre	SB A/C- 11161748994	State Bank of India, Midnapore Branch	SBIN0000132	Suchand Kumar Pan, Secretary, Science Centre

13. Total Estimated Expenditure (A)/ Organization's contribution (B)/ Contribution from any other sources (C) / Grant expected from DST BT (D):

D): Rs.100000.00..... = (A): Rs.114560.00..— (B) Rs 14560.00.— C:Rs 0.0.)

(Provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II):

Budget Break-up attached as per Annexure - I

### **Check List (put tick) of attachments to be submitted with the application**

i)Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: ☒ YES/NO

ii)For registered NGO/ Trust, filled in Application Format recommended by the appropriate Recommending Authority, viz., Jt.BDO/ BDO/ SDO/ DM / Executive Officer- Municipality / Commissioner-Municipal Corporation as the case may be (where the programme is actually going to be held): ☒ YES/NO

iii)For registered NGO/ Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc., List of recommended beneficiaries: ☒ YES/NO

### **DECLARATION**

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provide due coverage to DSTBT during the Programme and publications/ print and electronic media made from the Programme in future. We also declare that within one month after completion of the

Programme we shall submit the Utilization Certificate (UC), Audited Statement of Expenditure (Audited-S o E), Programme Completion Report, Feedbacks from the Participants, still and video photographs etc.

Signature: *MNGoswami*

Date

(Dr. Makhanlal Nanda Goswami)

Name of Programme Coordinator:

Designation: Associate Prof, Physics

Midnapore College

Address: Palbari *Project Investigator*  
PO-Midnapore- 721101



*Gopal Chandra Bera*  
Signature:

Date

(Dr. Gopal Chandra Bera)

Name of the Head of the Institution

Designation : Former Principal

Midnapore College

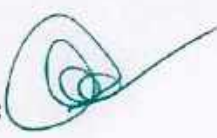
Address: Mitra Compound  
PO-Midnapore- 721101

President  
Science Centre  
Golkuachawk 721101

### **RECOMMENDATION**

(only for registered NGO/Trust)

Certified that the said Organization is reputed in this field and I / we recommend the said proposal for getting grant-in-aid from DSTBT, Govt of West Bengal for the benefit of the local College / University Students / Community etc.

Signature: 

Date: *05.12.2015*

(Office Seal)



Name of Recommending Authority:

*Kanekanta Banerjee*  
Designation :

*MD, Midnapur Sadar*  
Block Development Officer  
Midnapur Sadar Dev. Block



## Proposed total budget with break ups

A Total Estimated Expenditure		Total (RS)
Sl No	Items required with justification and rate	Expenditure(A)
1	Honorarium to resource person/Experts @Rs1000.00x 4 NOs x 2day	8000.00
2	Study materials /consumable expenses: for 8 groups For activity in groups activity : i). Materials for the preparation of Phase of moon and solar model in 8 gr. @ Rs150.00 x 8 No = 1200.00 ii) Solar projection mirror @ Rs50 x 8 gr = 400.00 iii) Star Chart @ Rs 25.00 x 100 No = 2500.00 iv) Manual @Rs40.00/pc x 100 No = 4000.00 ( Need for 2-day and future activity) v) Refracting Telescope kit 50mm 28x and 87x zoom for assembling @Rs2120.00 x 8 Pcs = 16960.0 Total Rs 21060.00	25060.00
3	Hall rent if any	00.00
4	Publicity materials : Advertise in Local daily News paper and leaflets distribution in school	1000.00
5	Travel expenses : i). Local Resource persons =Rs1600.00 Rs200.00/head x 4No x 2-day ii). Participants @Rs50.00 x 80 No x 2-day=Rs8000.0 Total Rs9600.00	9600.00
6	T A to the external resource persons / Experts AC Chair Car / Bus @Rs1000.00 x 3 No = Rs3000.00	3000.00
7	Documentation expenses including audio visual Videography and still photo charges including editing @Rs1500.00 x 2day Rs3000.00	3000.00
8	Light refreshments : For participants (80) + Organizer and Resource persons(10) = 90 No [i)Break fast (40.00) + Lunch (150.00) + afternoon snacks(25.00) + Dinner(120.00) =Rs335.00 ] x 90 No x 2-day = Rs60300.00	60300.00
9	Auditors fee	1000.00
10	Other expenses, if any please specify Registration Kit (Khata, Pen, Badge, folder etc) @Rs 40.00 x 90 No = Rs3600.00	3600.00
Grand Total Expenditure		Rs114560.00

### Please mention:

B. Institution/Organization Contribution \*in Rs14560.00

C. Contribution from any other sources(with name & Address)in Rs00.00

D. Grant expected from DSTBT(Rs)=(A-B-C) = (114560.00-14560.00-00.00) = Rs100000/-

*Suchand to Pan*  
Signature of Authorized Personnel with seal

Secretary  
Science Centre  
Golkuachawk-721101

Contd.....2



(2)  
[Recipient of Jawaharlal Nehru Prize 2001-02 from ISCA & Meghnad Puraskar-2013 from DST, WB for Science Popularization]

If C=0

Undertaking: This organization/ institution is not receiving any kind of financial assistance from any other sources

*Suchand k S Pan*  
Signature of Authorized Personnel with seal  
Secretary  
Science Centre  
Golkuachawk-721101

\*Atleast 10% of the total budget contribution from the Institute/Organization is desirable

Justification for the estimated budget.

The estimated budget is self explanatory yet item wise justification is noted below.

Item	Justification
Honorarium	Honorarium to honor the service of RPs in a lowest rate
Study materials /consumable expenses:	Participants will be divided in 10-group. Each group with 8 students, estimate for each activity has been made in a low rate for 10-group. Telescopes will be given to 8 participating schools. Manual is must for future the Workshop and follow up
Hall rent if any	Due to collaboration of the school
Publicity materials	Advertise in local daily news paper for the knowledge of schools & public in the areas
Travel expenses	To and fro journey of the Participants in TOTO/Auto, minimum expenses Resource persons requires minimum TA
TA to the external resource persons / Experts	Three external resource persons have been proposed ad estimate has made as low as possible
Documentation expenses	Videography and still photography for submitting to the Department and low rate considered
Light refreshments :	As the workshop will be from morning to 9.00pm each day so Breakfast, Lunch Snakes and Dinner requires each day. The estimate as per local price
Auditors fee	Minimum has been proposed
Other expenses, if any please specify	Registration kit is must and estimated as low as possible.

*Suchand k S Pan*  
Signature of Authorized Personnel with seal

Secretary  
Science Centre  
Golkuachawk-721101

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[Regd. Society : Estd : 1987]

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Address :

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West Bengal, India

Ph. - (03222) 264125

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## Annexure-II

### Bank details of the Applicant Organization

Name of the Organization	SCIENCE CENTRE
Bank Account number & name of the Account holder / Organization	11161748994 Science Centre
Type of Account (Savings or Current A/c)	Savings
Name of the Bank	State Bank of India
Name of the Branch with Branch address	Midnapore Rabindranagar, Lic More Midnapore-721101
IFSC of the Branch	SBIN0000132
Mobile Number of the Programme Coordinator/ Head of the Organization	PC- 9732730573 Head of the organization 9434191077
PAN/TAN of the Account holder / Organization	AACAS0686F

*Richard M Pan*

Signature of Authorized Personnel with seal

Secretary  
Science Centre  
Golkuachawk-721101

# SCIENCE CENTRE

[Regd.Society: Estd :1987]

Mobile : 8250019262

e-mail: span1944@gmail.com



visit: <http://sciencecentremid.org>

**Address :**

Golkuachawk  
PO-Midnapore-721101  
West Bengal

Recipient of Jawaharlal Nehru Prize 2001-02 from ISCA & Meghnad Puraskar-2013 from DST, WB for Science Popularization

SCM/ Nov-02

Date: 04.11.2025

**Adviser:**

Prof.B.C.Mal, M Tech, PhD

**Former:**

Prof.IIT Kharagpur

Vice Chancellor,

JIS University, Kolkata and

SVTU, Chatrisgarh

**Governing Body**

**President:**

Prof. G. C. Bera, M Sc, PhD

Ex-Principal,

Midnapore College

(Autonomous)

**Vice President:**

Dr. S. C. Samanta, M Sc, PhD

Retd. Asso. Professor (Phy)

Midnapore College

Dr. M. Nandagoswami,

M Sc, PhD

Asso. Professor (Phy)

Midnapore College

Mr. P. Maji, M Sc, B Ed

Retd. TIC, Vidyasagar

Vidyapith (Boys)

**Secretary:**

Mr. S.K.Pan, M Sc, B Ed

Retd. Headmaster, MCS

**Jt. Secretary**

Mr. A.Roy, M Sc, B Ed

Asstt. Teacher,

Panchkhuri D B High School

**Assistant Secretary:**

Ms. S.Manna, BSc(H), B Ed

Asstt. Mistress, Salboni

NM Girls' High School

Mr. P.K.Santra, M Sc, B Ed

Headmaster,

Meudipur High School

Mr. Ananda Kr Das

MSc, B.Ed

Aulia HS School

**Treasurer:**

Mr. A.Karak, M Sc, B Ed

Headmaster, Digri

Sanatorium High School

**Member:**

Mrs. R.Ghorai, MSc, BEd

Headmistress,

CSSR High School

Dr. Suresh Patra, MSc, PhD

Asstt. Professor (Chem),

Midnapore College

**The Principal,**

Midnapore College (Autonomous)

Midnapore

Through the Coordinator,

N C Rana Sky Observation Centre

**Sub: Request your collaboration in holding Amateur Astronomy Workshop involving school students.**

**Dear Sir,**

It's a pleasure to bring your kind information that this organization engaged in the field of elevating lab based science education and popularization of STEM among students through its modest activities in West Bengal since 1987.

The Centre has implemented different science programme in collaboration with the college since 1987 and also used to hold training programme in science at IAPT-Midnapore College Centre for Scientific Culture free of cost.

This time the Centre proposes to organize a two days Amateur Astronomy Workshop at Pachkhuri Deshbandu High School(HS), Po-Pachkhuri, Block-Sadar, Dist- Paschim Medinipur with financial help from West Bengal Science and Technology and DBT in the month of February, 2026, if available..

The Centre requests your esteem College for collaboration by lending telescopes from N C Rana Sky Observation Centre free of cost for the programme, if materialize.

The Centre shall remain liable for any damage or loss of the instruments.

With best of regards.

Yours sincerely,

(S.K.Pan)

Secretary, Science Centre  
8250019262

Allowed  
05/12/25

04/11/2025

Forwarded  
05.11.25  
co-ordinator  
N.C. Rana Sky observation Centre  
Midnapore College (Autonomous)

**PANCHKHURI DESHBANDHU HIGH SCHOOL (H.S)****ESTD-1967****HIGHER SECONDARY & CO-EDUCATION INSTITUTE****P.O.- PANCHKHURI ★ DIST- PASCHIM MEDINIPUR****Email: panchkhurideshbandhuhs@gmail.com**

To

The Secretary,

Science Centre.

Midnapore, Paschim Medinipur

PIN: 721101

Sub: Collaboration for holding Amateur Astronomy workshop.

Dear Sir,

With reference to your letter vide memo no. SCM/Dec 01, dated 2nd December 2025,  
I am glad to inform you that the school will collaborate with your organization by to  
hold the Amateur Astronomy workshop in our campus, free of cost on 7th and 8th  
February, 2026 or any other suitable date to our Institution.

Head Of The Institution

Panchkhuri Deshbandhu High School (HS)

Panchkhuri, Paschim Medinipur

03.12.25

TIC &amp; Secretary

Panchkhuri Deshbandhu High School  
P.O.- Panchkhuri, Dist.- Paschim Medinipur

West Bengal Form No. 264.



# Certificate of Registration of Societies

WEST BENGAL ACT XXVI of 1961

No. S/55113. of 1987-1988.

I hereby certify that Science Centre.

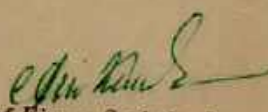
has this day been registered under the West Bengal Societies  
Registration Act, 1961.

Given under my hand at Calcutta,

this Seventh day of May

One thousand nine hundred and eighty seven.

ACJP—A 30901—1985-86—24,000

  
Registrar of Firms, Societies &  
Non-Trading Corporations,  
West Bengal.  
*Gem*



## Certificate of Registration of Societies

WEST BENGAL ACT XXVI of 1961

No. SO055113 of 1987-1988

Legacy Registration No. : S/55113

I here by certify that SCIENCE CENTRE has this day been registered under the West Bengal Societies Registration Act, 1961.

Given under my hand at Paschim Medinipur this 7th day of May One Thousand Nine Hundred and Eighty Seven.

Signature Not Verified

Digitally signed by Ayan Nath  
Date: 2019.07.09 16:15:31 IST

Digitally Signed by DPO

Registrar of Firms, Societies &  
Non-Trading Corporations,  
West Bengal

*Handwritten signature*  
26-12-2019  
Headmaster  
DIGRI SANATORIUM HIGH SCHOOL  
Sanatorium Digni, Paschim Medinipur

ACJP-A 1076-2003-04-1,10,000



**GOVERNMENT OF WEST BENGAL**

**Acknowledgement for receipt of Annual Return as per section 17 of WBSR Act, 1961**

1) Name of The Society : **SCIENCE CENTRE**

2) Registration Number : **SO055113**

3) Date of Receipt : **28-Jul-2025**

4) Fees Recieved:

a) Fees for filing return : **Rs. 25**

b) Penalty : **Rs. 0**

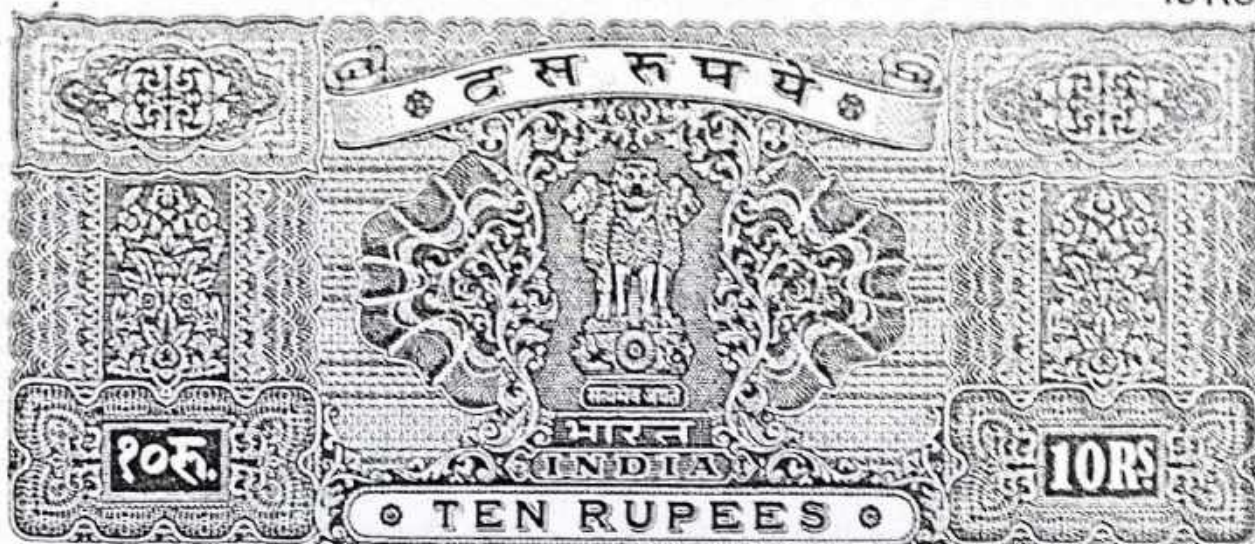
5) Period From : **01-Apr-2024**

**Period To : 31-Mar-2025**



Joint Registrar of Firms, Societies & Non-  
Trading Corporations, Paschim Medinipur  
,West Bengal.

10 Rs.



Cash applied on 16.3.98.....  
Prepared on 8.6.98.....  
Delivered on 21.9.98.....

1  
5/55113.

Science Centre

Memorandum of Association

Registered on 7.5.1987

Sd/- A. Ghosh

No 11/6/98

The West Bengal Societies Registration Act-1961

MEMORANDUM OF THE ASSOCIATION  
OF

SCIENCE CENTRE

1. NAME

Name of the Society will be SCIENCE CENTRE

2. ADDRESS

The registered office of the Society shall be located at  
GOLKUACHAWK, MIDNAPORE-721101, WEST BENGAL, INDIA.

3. COLOUR

The colour means colour of the flag shall be white with  
emblem at the Centre.

4. CREST

The crest emblem of the Society shall be dispersion of light  
through a prism.

5. OFFICIAL YEAR:

The official year shall begin with from 1st April of the  
year to 31st March following.

6. OBJECTS:

The objects for which the Society is established are,

- a) To exert best efforts to develop scientific activities  
and to inculcate a sense of Scientific attitude amongst  
boys, girls, men and women.
- b) To promote, encourage and raise the standard of scientific  
thinking and values.
- c) To promote acquaintance and discussion among its members  
and related fields.
- d) To organise exhibition, encourage publication of  
scholarly papers, journals books etc.
- e) To undertake statistical survey in the field of science  
and research on educational aspects either by singly  
or in association of same nature with others by its own  
initiative or at the request of Government, Semi-Government  
or others.
- f) To establish, conduct, maintain, administered science  
library, group discussion, question bank, information  
booklet, computer training, excursion in the related field.

Contd.....2

- g) To adopt such other measures for the promotion of activities in the field of science for National Interest.
- h) To sponsor scholarships, stipends, books etc. for the sake of its activities.
- i) To do all such things as may be deemed incidental or conducive to the attainment of the forgoing objects.

7. INCOME & PROPERTY

The income and property of the Society derived or obtained shall be applied solely towards the promotion of the objects of the society and no portion there of shall be paid to divided amongst any of its members by way of profits. As regard financial matter the Society will depend on membership fees, donation, grants from Govt. or similar other organisations.

8. MANAGEMENT:

The management of the affairs of the society shall be vested in Governing Body. The names, addresses and occupations are given below :

Sl. No.	N a m e	Address	Designation
1.	Dr. Satya Ranjan Maity M.Sc. Ph.D.	Midnapore College Pin-721101.	President.
2.	Dr. Amalendu Ghosal M.Sc.Ph.D.	-do-	Vice-President
3.	Dr. Bimal Mahapatra M.Sc. Ph.D.	-do-	Vice-President
4.	Suchand Kr. Pan M.Sc.B.Ed.	Golkuachak	Secretary.
5.	Gopal Ch. Bera, M.Sc. B.Ed.	Subhasnagar, Pin-721101.	Asst Secretary.
6.	Anupam De B.Sc.(Hons.)	Golkuachak. Pin-721101.	-do-
7.	Ruma Ghorai, B.Sc. (Hons.)	Khudiramnagar. Pin-721101.	-do-
8.	Anuradha Banerjee. B.Sc.(Hons.)	Bidhannagar Pin-721101.	Treasurer.
9.	Subhasis Das, M.Sc.	Habibpur Pin-721101.	Member
10.	Asish Mishra, B.Sc.(Hons.)	Old College Hostel Pin-721101.	-do-
11.	Madan Mohan Bera M.Sc. P.G.Dip.Edn.	Golkuachak. Pin-721101.	-do-

Contd.....3

9. SIGNATORIES:

We the several persons whose names, addresses and occupations are here unto subscribed are desirous of being formed into an Association SCIENCE CENTRE of this memorandum of the Association.

<u>S i g n a t u r e :</u>	<u>Address</u>	<u>Occupation</u>
1. Sd/- Dr. Satya Ranjan Maity M.Sc. Ph.D.	Midnapore College Pin-721101.	Lecturer
2. Sd/- Dr. Amalendu Ghoshal M.Sc. Ph.D.	-do-	Lecturer
3. Sd/- Dr. Bimal Mahapatra M.Sc. Ph.D.	-do-	Lecturer
4. Sd/- Suchand Kr. Pan M.Sc. B.Ed.	Golkuachak. Pin-721101.	Teachership
5. Sd/- Gopal Ch. Bera M.Sc. B.Ed.	Subhasnagar & Pin-721101.	Teachership
6. Sd/- Anupam De, B.Sc.(Hons.)	Golkuachak. Pin-721101.	Student.
7. Sd/- Ruma Ghorai B.Sc. (Hons.)	Khudiramnagar Pin-721101.	Student
8. Sd/- Anuradha Banerjee B.Sc. (Hons.)	Bidhannagar. Pin-721101.	Student.
9. Sd/- Subhasis Das, M.Sc.	Habibpur. Pin-721101.	Teachership.
10. Sd/- Asish Misra B.Sc.(Hons.)	Old College Hostel Pin-721101.	Student.
11. Sd/- Madan Mohan Bera M.Sc. P.G.Dop. Edn.	Golkuachak Pin-721101.	Teachership

Witness to the above signatories.



Signature Sd/- Aswini Sen.

Address : Library Road, Midnapore.  
Pin-721101.

Occupation : Advocate.

TRUE COPY

Compared by :- Sk Ghosh  
08/06/98

Aswini Sen.  
Addl. Registrar of Firms Societies & Non-Trading Corporations, West Bengal.

10Rs.



1  
S/55113.

Science Centre  
Rules and Regulations.  
Registered on 7.5.1987.

Sd/- A. Ghosh



RULES & REGULATIONS  
OF  
SCIENCE CENTRE

1. Membership:

a) Any person agreeing with the aims and objectives of the society and to abide by the rules of the society is eligible for being admitted as a member of the Society.

b) Any society or Research & study Institute having objects similar to the objects of the society may be affiliated to the society on fulfilling the conditions fixed from time to time by the Governing Body.

2. Class of Members:

The membership of the society will be of the following categories -

a) Individual member, (b) Honorary member, (c) Founder member  
d) Life member, (e) Student member, (f) Institutional member,  
g) Patron.

a) Any individual qualified to be a member and paying membership fee Rs.20/- which may enhanced by the G.B. from time to time & other fees as decided by the Governing Body from time to time, may be admitted as an individual member of the society.

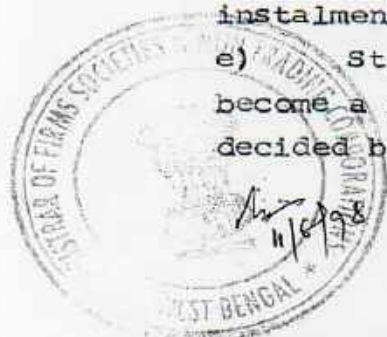
b) Honorary members will be selected by the Governing Body from distinguished persons and who have rendered outstanding service to the causes of the Association. Such members will be eligible to attend meetings but shall not be eligible to hold any office.

c) The founder members shall be eligible to attend all meetings, to vote & shall be eligible to be elected to the Governing Body.

d) Life members shall be elected by the Governing Body after being proposed and seconded by members of G.B. of the Society. They shall get all the privileges & rights of membership. A life member has to pay a subscription of Rs. 250/- or as decided by G.B. from time to time at a time or in two instalments within a year.

e) Student and Research scholars shall be eligible to become a member by applying and paying a subscription as decided by the Governing Body from time to time.

Contd...../2



f) Any institution or organisation engaged in similar work and having similar objects of the society and paying a membership fees Rs. 40,00 annum may be an affiliated unit. The Secretary of the affiliated institution or his representative will get all the privileges of a member.

g) Any outstanding person whose advice will accelerate the activities of the society, and proposed and accepted by the Governing Body will be a patron of the society. He may attend meetings only.

3. Cessation of Membership :

Any member shall cease to be a member

a) on his conviction of any offence in connection with the formation, promotion or management of the conduct of the affairs of the society.

b) on his resignation from membership by a letter addressed to the president or Secretary.

c) on his/her death.

d) on becoming insane.

e) on becoming a defaulter in paying membership fee.

4. Expulsion or suspension -

The Governing Body shall have the right to suspend or expel any member of any type as a consequence of -

a) infringement of the constitution, rules, regulations

b) misconduct to the society.

5. Register of members

The society shall maintain a register of members stating Bio-data of members. The Register shall be kept open for inspection of the members of the Society on requisition.

6. Privileges of membership -

All members of the society will have the right to

a) attend meeting, b) to take part in general activities,

c) to attend conference, d) to use library of the society

when organised, e) to receive manifests etc. & e) as decided by the Governing Body.

7. Payment of fees :

The membership fees as decided by the Governing Body shall be paid from 1st April to 30th April for that year only. either in one instalment & in two. In case of payment by instalment one instalment must be paid by the 30th April of that year.

7A. OFFICIAL YEAR :

8. Governing Body :-

i) Composition & Election :-

There shall be a Governing Body consisting of not less than 7 and not more than 11 members and will be composed of founder members and elected members. Elected members shall be elected at the Annual general meeting of the Society. The office bearers of the Governing Body shall consist of President, Vice-President, Secretary, Assistant Secretary and Treasurer. The office bearers shall be elected by the Governing Body from amongst themselves.

ii) Meeting : A meeting of Governing Body shall be held at least once in three months at such place and time as the President or the Secretary may determine.

iii) Proceedings of meeting : Proceedings of all meetings should be written following all discussions.

9. Requisitioned meeting:

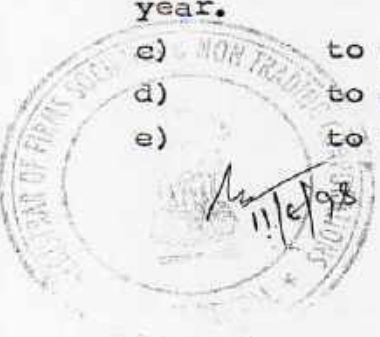
Two third members of the Governing Body or total members may submit a signed notice for requisitioned meeting with specific agenda. The Hony. General Secretary shall then within fifteen days of receipt of such notice convene a meeting of G. Body or General meeting respectively informing members as required. If the Secretary failed to do so the signatories will approach the President and the President will convene or empowered any signatory to convene such meeting.

10. Annual General Meeting:

Annual general meeting will be held in every year within 31st May of that year & with 14 days notice shall be given to members. The agenda of General meeting will be as follows:

- a) to confirm the proceedings of the last General meeting/ special General meeting if any.
- b) to adopt report of work of the Society for the previous year.
- c) to pass audited statement of a/cs. for the said year.
- d) to appoint qualified auditor for the next financial year.
- e) to transact other business as may be fixed by the G.B.

Contd...../4



- f) to transact such other business as may be brought forward by giving 14 days notice from any member.
- g) to conduct general election for G.B. & office bearers.

11. Emergency meeting:- Emergency meeting may be convened by 24 hours notice & by the president himself.

12. Special General Meeting :- When Annual General meeting can not be convened but meeting of general members is necessary, special general meeting may be convened by clear 14 days notice to members with specific agenda.

13. Quorum : The quorum of different meeting will be as follows:

- a) G.B. meeting - 1/3 of G.B. members.
- b) Annual General meeting or Special General Meeting 1/4th of total members.
- c) No quorum shall be needed for an adjourned meeting.

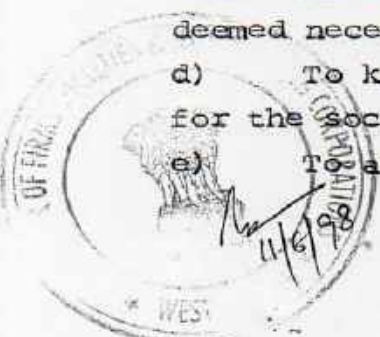
14. Prodedure of Meeting : The President, or in his absence the GVice-President shall preside over all meetings of the G.B. and in their absence members present shall elect a Chairman of the meeting. All questions before the meeting will be decided by a majority of votes, each member having one vote. The President or the Chairman shall have a casting vote in addition to his own vote in case of tie in vote.

14. Powers & Duties of Governing Body :

The Governing Body shall have general power of suspension and conduct over all affairs of the society & in particular shall discharge the following duties:-

- a) To appoint sub-committee with power and duties as delegated by G.B.
- b) To accept donation, gift, subscription, movable or immovable property for the objects of the society.
- c) To sell, lease, mortgage or otherwise dispose of any deal with all or any part of the property of the Society as deemed necessary or expedient for the purpose of the society.
- d) To keep proper a/cs. of the society & to find bankers for the society.
- e) To accept or reject application of membership.

Contd..../5



f) to ask any member to resign if deemed by the G.B. his/her conduct prejudicial to the interest of the society or is calculated to bring the society in disrapture. In case of his/her refusal to do so his/her name will be removed from the register of members provided at least 15 days notice of meeting of G.B. intending to remove his/her name shall have been given to the member concerned.

g) to approve budget for the society.

h) to dismiss & take measures on matters related to the fulfilment of objective.

15. Safe Custody of funds:

a) The G.B. or the trustee of the society shall be responsible for the safe custody of the funds and assets of the society.

b) The funds of the society shall be kept in some nationalised Bank and be invested in any securities specified under section 20 of the Indian trust Act. 1882.

16. Duties of Office Bearers :

President - a) He shall preside over all meetings of the society.

b) He shall advice the society on all points of disputes and general look after the interest of the society.

c) He shall call emergency meetings with due notice.

Vice-President : Vice-President shall assist the president and preside over meetings in absence of the President and perform duties as empowered by the President.

SECRETARY : He shall i) convene all meetings and maintain books of meetings.

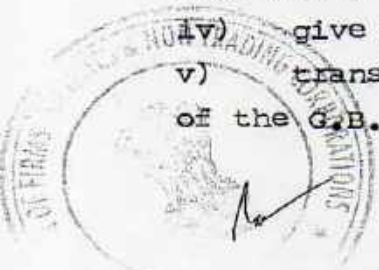
ii) Issue general circular and notices and carry on all correspondence on behalf of the society.

iii) sign on behalf of the society along with one or more signatories as directed by the G.B.

iv) give pay order as directed by the G.B.

v) transact ~~sk~~ all other business subject to the direction of the G.B.

Contd...../6



Treasurer : He will

- i) look after the financial administration according to the directions of the G.B. and evolve guidelines for overall fiscal and financial policy of the society.
- ii) shall operate a/cs along with one or more signatories as directed by G.B.
- iii) maintain a/cs. and cash book in consultation with the secretary.

14. SUIT AND LEGAL PROCEEDINGS:

All suits and legal proceedings by or against the Society shall be in the name of the Secretary or by such person as shall be appointed by the G.B.

18. ALTERATION OF RULES AND REGULATIONS.

The rules and regulations may be altered, modified, rescinded or added to by special resolutions passed by the members in general meeting called for the purpose by = 1/4th majority of the members present at such meeting.

19. DISSOLUTION OF THE SOCIETY :

The Society may be dissolved by a resolution to that effects passed by the majority 1/4th of the members present at a general meeting. The said meeting shall also decide the propersonate disbursement of the funds and assets of the Society, if any after dissolution.

We, the undersigned members of the G.B. of the Society do hereby certify that the above is a true copy of the Rules and Regulations of the Society.

Signature of three members of the Governing Body.

1. Sd/- Satya Ranjan Maity - President.
2. Sd/- Suchand Kumar Pan - Secretary.
3. Sd/- Ruma Ghorai - Asstt. Secretary.

Dated 15th day of March, 1987.

Compared by :- Stk Ghosh  
08/06/98

TRUE COPY



Stk Ghosh  
Addl. Registrar of Firms, Societies  
& Non-Trading Corporations, West Bengal  
4/6/98

## SCIENCE CENTRE

Regd. No S/55113 of 1987-88 (E-District : SO 055113)

Golkuachawk, PO-Midnapore

Dist-Paschim Medinipur, West Bengal, Pin-721101

### Receipts and Payments Account for the year ended 31st March, 2023

Receipts	Amounts (Rs)	Payments	Amounts (Rs)
To Balance b/d		"By contingency	3376.00
<b>Cash at Bank</b>		" Postage & data	864.30
General A/C including		" Expenses for Online Vigyan	
unutilized grant (Rs1057784.0)	31446.51	Prerana	600.00
Library A/C	4656.50	" Traveling Expenses	6500.00
Patrika A/C	8563.71	"Printing	1910.00
Term Deposit	100000.00		
Cash in hand	144866.72		
		" <b>Competition/Celebration</b>	
<b>" Membership fee</b>		W Env Day Camp	1344.00
Annual		W Env Day Sit & draw Competition	4500.00
" Activity subscrip tion		"National Science Day	190.00
" Activity cost reimbursed		" NMD Quiz at RBM Govt Girls	2692.00
"TA Balta Mahendra Academy	5000.00		8726.00
" TA from RBM Govt. Girls	1500.00	"Low cost materials	1517.00
Midnapore Edn Society's			
Workshop at Birsingha B School	17340.00	" Other Science Workshop	
NMD Quiz Jhargram RBM Govt.	2692.00	" Birsingha Workshop	17340.00
Girls School		"Math workshop by Paprer fold	3148.00
		" For Science Workshops	110000.00
"Govt grant		" Renewal of Registration	400.00
CO/B/FP/G05/2022(G) at		" Audit fee (Genl A/C)	1500.00
Union Bank India, Midnapore			
618602010013653 ZBSA A/C		"Bank Chrage	4.72
through P F M S		"Repayment of Loan for project	
"Arear grant CO/R/TR/S10/2020		Asish Karak	25000.00
		Arnab De for Bharat Kosh Intt.	19200.00
		Sabita Manna	25000.00
<b>" Loan A/C for Project</b>			69200.00
CO/B/FP/S05/2022(G)	20000.00	"Project Expenditure	
Sanchita Sen	20000.00	CO/B/FP/G05/2022(G)	887840.00
Ruma Jana	20000.00		887840.00
Krishna Pan	40000.00		
Arnab De	20000.00	<b>Closing Balance</b>	
		Unutilized part of grant returned	
<b>" Interest from Bank</b>		to SERB through pfms	132160.00
" Gen. A/C	960	Cash at Bank	
" Term Deposit	5726	General A/C(SBI 1161748994)	69612.79
" Library A/C	127	Library A/C(SBI T30573263511)	4783.50
" Patrika A/C	233	Patrika A/C(SBI-1161748701)	8796.71
	7046	Term Deposit	100000.00
		Cash in hand	315353.00
			156.74
<b>Total</b>			<b>1428435.76</b>

Examined and found correct

Date: Midnapore  
18th July, 2023

Discussed and accepted in the AGM  
at 23.07.2023

*Gebere*  
President  
Science Centre  
Golkuachawk 721101



*Susanta Maity*  
Maity Susanta & Co  
Chartered Accountants

*23/07/2023*  
Secretary  
Science Centre  
Golkuachawk 721101

**SCIENCE CENTRE**

Regd. No S/55113 of 1987 (E-District : SO 055113)

Golkuachawk, PO-Midnapore

Dist-Paschim Medinipur, West Bengal, Pin-721101

**Receipts and Payments Account for the year ended 31st March, 2024**

Receipts	Amounts (Rs)	Payments	Amounts(Rs)
To Balance b/d		"By contingency	530.00
<b>Cash at Bank</b>		" Postage & data	1965.00
General A/C	69612.79	" Expenses for Vigyan	
Library A/C	4783.50	Prerana	2250.00
Patrika A/C	8796.71	" Traveling Expenses	3658.00
Term Deposit	100000.00		
Cash in hand		<b>Science Camp &amp; Celebration</b>	
	183193.00	W Env Day Science Camp	18500.00
	156.74	"National Science Day	1950.00
<b>" Membership fee</b>		National Mathematics Day	5589.00
Annual	3800.00		26039.00
Life member	1200.00	<b>EBS programmes</b>	
	5000.00	Materials for Schools for the	
EBS Materials cost by		Exhibition on Basic Sciences	100051.96
Midnapore Education and service			
Socle		NCSTC Project CO/B/FP/G05	
" Science Camp fees collection		in the District Purulia, Howrah	
" Return grant from SERB		Bankua	446758.00
"Govt grant			
WB State Council of Science &		<b>WB Council of Science</b>	
Technology		<b>and Technology projects</b>	
For NMD Math Camp	80000.00	National Mathematics Day	
For NSD Program	60000.00	Mathematics camp	83240.00
<b>" Loan A/C for Project</b>		National Science Day	61160.00
CO/B/FP/G05/2022 received from			144400.00
S Manna, Asstt. Secretray	70000.00		
A K Das, Asstt. Secretary	60000.00	" Renewal of Registration fee	25.00
S K Pan, Secretray	135000.00	Do late penalty	350.00
R Jana, Member	10000.00		375.00
Ms S Sen, member	10000.00		
A De, Member	7000.00	" Audit fee (Genl A/C)	1500.00
" Activity (Gen) subscription,			
from members		<b>Closing Balance</b>	
Donation for data charge			
	20000.00		
	2000.00		
<b>" Interest from Bank</b>		<b>Cash at Bank</b>	
" Gen. A/C	2247	General A/C(SBI 1161748994)	57662.83
" Term Deposit	5352	Library A/C(SBI T30573263511)	4916.50
" Library A/C	133	Patrika A/C(SBI-1161748701)	9036.71
" Patrika A/C	240	Term Deposit	100000.00
	7972.00	Cash in hand	171616.04
			1238.74
<b>Total</b>			<b>900381.74</b>

Checked and found correct

Date: Midnapore  
16th July, 2024



For Maity Susanta & Co  
Chartered Accountants

*Sanchand Das Pan*  
Secretary  
Science Centre  
Golkuachawk 721101

*Pasand in The RGH*  
dt - 21.07.2024

*Gopal Chandre Bera*  
President of The meeting

*Gopal Chandre Bera*  
President  
Science Centre  
Golkuachawk 721101

SCIENCE CENTRE  
Regd. No S/55113 of 1987 (E-District : SO 055113)  
Golkuachawk, PO-Midnapore  
Dist-Paschim Medinipur, West Bengal, Pin-721101

## Receipts and Payments Account for the year ended 31st March, 2025

Receipts	Amounts (Rs)	Payments	Amounts(Rs)
To Balance b/d		"By contingency	3728.00
<b>Cash at Bank</b>		" Postage & Web rent	5000.00
General A/C	57662.83	" Expenses for Vigyan Prerana	3220.00
Library A/C	4916.50	" Traveling Expenses	27133.00
Patrika A/C	9036.71	" Printing	1734.00
Term Deposit	100000.00	<b>Special Day Program</b>	
Cash in hand	171616.04	W Env Day Science Camp	2060.00
	1238.74	"National Science Day	1320.00
		National Mathematics Day	4020.00
<b>" Membership fee</b>			7400.00
Annual	3100.00	" Workshop : Hands on Expts	
Life member	1200.00	Fortnightly class VII & VIII	1175.00
		Puja vacation activities VI & VIII	2190.00
" Fortnightly Workshop Registration	5800.00	" Exploration Camp materials	3841.00
		" Expenses for Samagra Siksha Mission activities	1862.00
" Subscription for activities from members	19500.00	<b>" Library book</b>	
" Reimbursement of expenditure from Samagra Siksha Mission Midnapore		" Astronomy : Sky watch	206.00
"Arear grant from NCSTC, DST CO/B/FP/G05/2022(G)			280.00
<b>" Loan A/C 2024-25</b>		" Audit Fee	2000.00
S Manna, Asstt. Secretray	3500.00	" Renewal of Registration	25.00
Secretary, Science Centre S.K.Pan	2000.00	<b>" Loan Repayment</b>	
		For the project Year 2023-24 CO/B/FP/G05/2022(G)	
" Donation : Exploration Camp Prasenjit Saha, Midnapore		A.K.Das	60000.00
		S.K.Pan	90000.00
<b>" Interest from Bank</b>		S.Manna	55000.00
" Gen. A/C	2804.00	R.Jana	10000.00
" Term Deposit	5352.00	S.Sen	10000.00
" Library A/C	33.00	A.De	11500.00
" Patrika A/C	142.29		236500.00
		For activities	
		Loan year 2024-25	
		Secretary, Science Centre	2000.00
		Sabita Manna	3500.00
			5500.00
		<b>Cash at Bank</b>	
		General A/C(SBI 1161748994)	94718.83
		Library A/C(SBIT 30573263511)	5816.50
		Term Deposit, SBI, Mid	100000.00
			200535.33
			502329.33
<b>Total</b>		Cash in hand	1309.74
	<b>503639.07</b>	<b>Total</b>	<b>503639.07</b>

Examined and found correct

Date: Midnapore  
11th July, 2025

*Susanta Panig*  
For Maity Susanta & Co  
Chartered Accountants

*Sasand K Pan*  
Secretary  
Science Centre  
Golkuachawk-721101

*Witnessed and approved*  
*Gopal Chandre Bera*  
President of the AGM  
24/7/25



*Gopal Chandre Bera*  
President  
Science Centre  
Golkuachawk 721101

# ANNUAL REPORT OF ACTIVITIES FOR THE YEAR 2022-23



## **SCIENCE CENTRE**

(ESTD-1987)

[REGD NO- S/55113 OF 1987-88]

(E-DISTRICT : SO055113)

Golkuachawk, PO- Midnapore

Dist- Paschim Medinipur

Pin- 721 101, West Bengal

email: span1944@gmail.com

## Preface:

Some eminent professors, teachers and students initiated to establish a Centre for cultivating scientific thoughts and popularizing science in different domain people especially among students to uplift their scientific temper, attitude and spark the inquisitiveness in science and scientific activities for the benefit of oneself and society and initiation came into existence in the name of Science Centre in 1987. It's registered society having registered and working office address at Vidyasagar Sarani, Golkuachawk, PO- Midnapore, Dist- Paschim Medinipur, West Bengal, Pin-721 101

The Centre is also a founder member of earlier NCSTC- NETWORK, at present NOSTC- Network, a Nationwide organization of "Organizations and Government Departments" having NOSTC office at E-56, 1<sup>st</sup> Floor, Samaspur Road, Pandavnagar, New Delhi- 110 091. The Centre has completed thirty four(36) years of modest services to the society in spite of so many constraints.

The activities carried on were as follows:

### **Workshop on Mathematics through Origami, 26<sup>th</sup> -28<sup>th</sup> May, 2022**

A two days workshop for interested teachers were arranged at Midnapore College IAPT CSC on 26<sup>th</sup> to 28<sup>th</sup> May, 2022. 26 teachers from different schools participated and learnt methodology of Origami in understanding mathematics. Dr. Ranjan Maishal, Ms Sabita Manna and Mr Pralay Kanti Santra imparted training to the teachers.



### **Celebration of World Environment Day, 2022, 5<sup>th</sup> June.**

Two types of programs were arranged in connection with the celebration of the day.

**1.Competition** – Two types a) Offline : Sit and Draw in three groups .

Group : A Class -1,2 : Tree and Environment

Group : B Class 3,4 : Dust, smoke and Smug in the sky but no bird

Group: C Class 5,6 Plastic pollution

Online : Class 8,8,10 Project making on Identification of tree

In offline only local students participated and in online participants from different districts of West Bengal participated. After evaluation 3-prize(memento) to each group were awarded with either participation or certificate of appreciation where applicable.

### **2.Environmental Education Camp, 5<sup>th</sup> June, 2022**

: A two-day workshop was also arranged on 4<sup>th</sup> and 5<sup>th</sup> June, 2022 at Midnapore College CSC where 50-participants performed experiment. A nature walk was conducted by Prof. A.K.Samanta, Asso. Prof. Ramnagar College, Deptt. of Botany. Dr. S.Mallick, Asso. Prof Ramananda College and Dr. S Pratihari, asstt. Prof. Keshpur College, Dr. Dulal Kr De,



Asso. Prof. Botany of Midnapore College also discussed different environmental issues before the participants.

### **Workshop on Hands-on-Experiments, July 22<sup>nd</sup> & 23<sup>rd</sup>.**

Science Centre helped Baita Mahendra Academy, PO- Baita, Dist- Paschim Medinipur in organizing a two days hands-on-experiments workshop on 22<sup>nd</sup> and 23<sup>rd</sup> July, 2022 for students of the locality by sending a team of experts and materials free of cost as required. The school bore the journey cost for the purpose.

### **Science Exhibition in School, 27<sup>th</sup> & 28<sup>th</sup> September, 2022**

Dumurdiha High School, a remote school at Dumurdiha village, almost surrounded by man made forest in Bishnupur



Subdivision of Bankura district had requested science Centre for organizing a Science Exhibition with low cost materials and the Centre helped the school in organizing a two days Science Exhibition on 27<sup>th</sup> and 28<sup>th</sup> September,



2022 successfully. It was a great experience with students who had no experience of getting/joining / demonstrating such science exhibits by own hands. The school arranged for too and fro journey for carrying materials and resource persons. Sri Shantanu Pramanik, a physics teachers of Sabrakone High School, inhabitant of Bishnupur extended his hands of cooperation in doing the activity smoothly, the Centre acknowledged his support.

### **Setting Science Culture Hub in School 27<sup>th</sup> August & 20<sup>th</sup> September**

The Centre decided to popularize science among girl students and took initiation to form School



Science Culture Hub in interested Girls' School situated in Midnapore town. Two such Hubs were formed in two girls school – one at Paharipur Girls school on 27<sup>th</sup> August, 2022 and the other at Mission Balika Vidyalaya on 20<sup>th</sup> September, 2022. A lecture cum demonstration activity was organized in both schools to mobilize the students. The Centre committed to help the schools by supplying demonstrative experiments with write up to be fixed in a room for handling by students if the school finally able to provide room for the purpose.

### **Seminar on Education and Evaluation, 24<sup>th</sup> September**

A seminar was organized on 24<sup>th</sup> September, 2022 jointly with Midnapore Education and Service Society at the Gallery Hall of Midnapore college with teachers participants from schools in and around Midnapore town to discuss about the present situation of practical classes in schools. Among the dignitaries Sri Mukul Ranjan Roy, retired Principal of Midnapore College and President, Midnapore Education and Service Society, Dr. Gopal Chandra Bera, Principal Midnapore College and President Science Centre, Dr. Ashis Kumar Gupta, Principal, Sevayatan SiKshan Mahaviyalaya, Dr. Subhash Chandra Samanta, retired Associate professor of Physics, Midnapore College, former Secretary IAPT and Vice President, Science centre were present and took part in deliberation. Dr. Amitesh Cowdhury, Headmaster, Bhadutala Vivekananda High School and Dr. Makhanlal Nanda Goswami, Asso. Prof of Physics and Jt. Secretary, Science Centre jointly coordinated the discussion.



After discussion at length it was decided that a report be formed by Dr. Samanta and be sent to appropriate department for necessary action.

Midnapore College(Autonomous ) collaborated and assisted financially. Secretary, Science Centre thanked all for participation and interaction.

### **Workshop at Birsingha Bhagabati Vidyalaya : 6<sup>th</sup> to 8<sup>th</sup> October, 2022**

Science Centre Collaborated with Midnapore College IAPT CSC and Midnapore Education and Service Society in implementing a 3-day workshop for students of class VIII to Class IX jointly hosted by Birsingha Bhagabati Vidyalaya and Birsingha Vidyasagar Balika Vidyalaya on 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> October, 2022 with materials etc. The workshop was completed successfully. The financial support was totally born by Midnapore Education Society. The Centre acknowledged MESS's support heartily.

### **Interactive Science Demo in Primary School**

a)Vidyasagar Shishu Niketan, Sepoybazar, 17<sup>th</sup> & 18<sup>th</sup> October

The Centre targeted to uplift the scientific awareness of students upto the age of 10-year (class III-IV) and organized two days interactive Science Demo program on at Vidysagar Shishu Niketan(VSN), Sepoybazar, Midnapore-721101 on 17<sup>th</sup> and 18<sup>th</sup> October, 2022. About 300 students participated in two days program and a good number of students interacted efficiently with the resource persons.



#### **b)Nayagram Primary School: 21<sup>st</sup> October,2022**

In Nayagram Primary School, PO- Benasuli, Dist-Paschim Medinipur a demonstration, hands-on-drawing of leaf sketch and power point presentation was made on 21<sup>st</sup> October, 2022 before the



students of class III and Class IV. The participants learnt to prepare sketch of leaf and parts of a complete flower, china rose.

A power point presentation on solar system was also shown to the participants.

#### **Online Competition : Leaf Zoo : 18<sup>th</sup> December, 2022**

An online completion was organized for students of in two groups; Group A : class iv-vi and Group B : class vii-class ix in the month of December, 2022 on preparation of structure of animal by using at least three leaves, creeper, soft part of stem etc along with a short write up about the used plants. A Large number of participants participated from different districts and after evaluation by evaluators memento with certificate of appreciation were awarded to first three position holders in each group.



### **National Mathematics Day Quiz at RBM, 22<sup>nd</sup> December, 2022**

A Mathematics quiz competition, in individual cum school champion mode, was organized in



association with Jhargram Rani Binode Manjuri Girls' School and as host in connection with the celebration of National Science Day, the 22<sup>nd</sup> December, the birth day of Srinivasan Ramanujan where 12- team from 12-school, five students from class ix-xi consisted a school team, in and around Jhargram participated and contested. The program was inaugurated by Shankha Subhra De, Deputy Magistrate and Deputy Collector,

Jhargram in presence of Headmistress of the Institute and Dr.Narayan Chatterjee, retired Asso. Professor in Mathematics, Kapgari college and at present attached with Sandhu Ramchnad University.

After the competition Dr. Chatterjee discussed the life and works of Srinivasan Ramanujan in brief and answered questions from the student participants.

Mr. Amaresh Kar and Mrs Subarna Maity, both Assistant Inspector of Schools giving away prizes to the successful school and students in presence of Dr. Chatterjee and HM and participants. Kumud Kumari Institution lifted the School championship trophy in the event. Secretary, Science Centre thanked all concerned.



### **Participation in Science and Shilpakala Exhibition : 29<sup>th</sup> January 02<sup>nd</sup> February,2023**

In response to a call for participation in the Science and Shilpakala Exhibition organized by



Midnapore College (Autonomous) in connection with 150 foundation day Celebration from 29<sup>th</sup>

January to 2<sup>nd</sup> February, 2023 Science Centre planed to stage pavilion with exhibits of Physics,

Chemistry, Biology, Paper folding by Mathematics (Origami), Robotics, environment. 30-students from class iv to xi exhibited the exhibits either prepared by the participants and or prepared by Science Centre and trained.

In this connection a experiment based quiz contest was organized at Gallery Hall of Midnapore College(Autonomous) with 12 No of Schools, each school with 8 students from class ix to class xi in School Champion and Champion School mode. Each participant was given equal opportunity to answer questions set earlier fro each experiment and total score of each participant and each school determined successful participants.

Prizes and certificates were given away to Champion School and individual champion on the valedictory session of the celebration on 2<sup>nd</sup> June,2023 afternoon.

### **Celebration of National Science Day at Mission Girls' High School : 28<sup>th</sup> Fenruary, 2023**

National Science Day, the 28<sup>th</sup> February in 2023 was celebrated in a one day seminar at Midnapore Mission



Girls' High School, PO-Midnapore, Dist-Midnapore where about 200 students from class vii to Class xii participated in the event. Secretary introduced the theme of the day 2023 " Science for global well being" and expert Dr. Biswajit Sen, Asso. Prof. in Physics, Vidyasagar Teachers' Training College, Midnapore and other dignataries Mrs Basanti Bera, retired mistress of the Institution and Sri Purnendu Majhi, Retired TIC, Vidyasagar Vidyapith Boys High School(HS), Midnapore. The celebration was divided in two half. First half for the deliberation of students to shape them in skill developmet before participants and the other half deliberation by expert. In the first half "Life and works of Sir C V Raman", "Importance of NSD" and " Role of students in celebrating NSD" were discussed by three students of the school respectively.

Dr. Sen discussed the matter in depth and interacted with the participants. Secretary, Science Centre gave thank to all.

### **NCSTC, DST supported workshop;**

The Centre received a project from NCSTC, DST, Govt. of India in the month of February, 2023 entitled as " Joyful Learning of Mathematics through active participation in fold unfold re-fold shapes' for implementing in five districts, Bankura, Howrah, Hoogly, Purba Bardhaman and Purulia within a period of nine month. The Centre tried its best to organize and successfully implemented two workshops as follows:

## Hoogly District Workshop, Karui PC High School, 9<sup>th</sup> to 12<sup>th</sup> March, 2023

The 1<sup>st</sup> Workshop was organized in Hoogly district, hosted by Karui P C High School(HS), PO-Karui, Dist- Hoogly, from 9<sup>th</sup> to 12<sup>th</sup> March, 2023.

### Inauguration:

Presided by : Dr. Subhasis Mallick, Head of the Institution

Inaugurator : Sk Abdus Sukur, President Managing Committee of the Institution

Other guest: Dr. Tarun Kumar Mandal, Ex-Principal, Rabindra Mahavidyalaya, Champadanga, Hoogly



Secretary, Science Centre and CO-Project Investigator of the project, explained the objectives of the science camp and appealed to the children and accompanying teachers

for sincere participation otherwise the development of skill and learning content can not be achieved.

Sk. Abdus Sukur clearly stated the recent trends among students and appealed to them for taking this opportunity to perform hands-on mathematical activity joyfully. He declared the workshop as opened for activity.

Dr. Mandal, a science communicators too, praised for organizing an unique workshop he had never hard in his activity period and also expressed his willingness to join the workshop as a



participant.

Dr. S Mallick, Head of the Institution gave thanks to the Institutions who have sent participants in the Workshop and

requested the student-participant as well as the teachers for grasping the opportunity for carrying to their Institution.

In the Workshop 103 No of students of class VII and Class VIII and 11-teacher from 11-institution participated and learnt through hands-on-mathematical activity by paper folding.



participants for preparing different shapes (1. Rosette and 2. 6-Modular Cube) perfectly as judged

**Valedictory session:** The valedictory session was also presided by the Head of the Institution in presence of his colleges and gave away participation certificates to the participants. 11-children and 2 teacher gave their oral feedback and expressed satisfaction in joining and learning the content of the Workshop.

Prizes were given to two best performing



by the expert and MRPs. Certificates were distributed to all participants including teacher-participant.



On behalf of the host head of the Institution and Science Centre PI gave thank to NCSTC, DST, New Delh for catalying such a programme for children.



### **Purba Bardhaman District Workshop at Udaypalli High School : 29<sup>th</sup> to 31<sup>st</sup> March,2023:**

The Second Workshop was organized at Udaypalli Sikshaniketan, PO-Kanchannagar, Dist- Purba Bardhaman, West Bengal from 29<sup>th</sup> to 31<sup>st</sup> March 2023.. After registration of participants the inaugural session started.

#### **Inauguration:**

Presided by : Dr. Gopal Ghosal, Head of



Udaypalli Sikshaniketan (HS)

Inaugurator : Mr Amiya Kumar Kalidaha, Senior Scientific Officer, Department of Science and Technology & BioTechnology, Govt. Of West Bengal

Other Guests : Mr. Nikhiles Biswas, District Science Officer, Burdwan Science Centre( a unit of NCSM)

Sri Binayak Banerjee, Headmaster, Rathtala MD Vidyayatan and a few other Headmasters

Secretary Science Centre welcome guests and felicitate them by handling over memento of the

Centre and explained the aims and objectives of the Workshop.

Mr. Amiya Kumar Kalidaha, SSO, DST BT, Govt of West Bengal inaugurated the

Workshop by lighting lamp and delivering motivational speech. He appealed the student participants

to come out in free mind to enjoy the technical sessions of the Workshop.

Mr. Biswas, DSO, Burdwan Science Centre also welcome the participants to be attentive in such an unique opportunity.

Smt. Reena Ghosh, District Education Officer, Purba Bardhaman visited the workshop On the first day and interacted with the participants In the Workshop 111 No of students of class VII and Class VIII and 14-teacher from 14-institution of the district participated and learnt through hands-on-mathematical activity by paper folding.

Face book reference : <https://fb.watch/jB34JOpHcC/?mibextid=1YhcI9R>



In the three day workshop 111 No of students, class VII & VIII, and 14 Mathematics teachers from 14 schools of the district participated and learnt te basics of paper folding for understanding concepts

in Mathematics. A team of six resource persons including expert Dr. Ranjan Maishal provided hands on training to the participants.



#### Valedictory session:

**Guests :** Nikhil Kumar Khan, Headmaster, Talit Gouraswar High School  
Sanjib Kumar Mukherjee, Headmaster, Belkash P P Institution

The session was presided by the head of the Institution, Dr. Gopal Ghosal, Udaypalli Sikshaniketan High School(HS), PO-Kanchannagar, Dist- Bardhaman

. 14-Child-participant, one from each institution, 4-teacher gave their oral feedback about the activities in short besides written pre and post feedback.. Like the first Workshop all of them expressed that they were highly satisfied in the methodology of the training given in the programme and did not felt that they were solving mathematical problems, learning mathematics become joyful to them. They urged for similar workshop in future.



On behalf of the host head of the Institution and Science Centre gave thank to



NCSTC, DST, New Delh for catalying such a programme for children. He also gave thak to Science

Centre for choosing a village level school as host and giving unprivileged students a chance to learn something new to them when the participants are bounded within their homes.



### **Publication of Vigyan Prerana and free distribution**

The quarterly wall magazine Vigyan Prerana was duly published but due to the closure of schools in the pandemic situation soft copy were circulated online instead of printing hard copy.

### **Science Centre Library:**

The library was run by the members of the Centre voluntarily. It's a unique in nature because it has more than 1200 popular science books and a few interactive CDS. But in 2020-21 its function hampered due to Covid-19 situation. In the financial year no book was purchased due to paucity of funds,

### **Design, Development and Dissemination:**

The experts associated with the Centre rendered service in designing and developing low cost science teaching aids for demonstration in class room situation and taking data for verifying underlying theory. The main aim was to break the dearth of proper demonstrative as well as measurement based experiments in science.

### **Resource Kits**

The Centre possessed resource kits on Soil - Water and Food Adulteration, received during YSA-04, Water Testing Kit of Central Pollution Control Board and poster set of exhibits on "Land marks in Physics", "Evolution of science" science exhibits / models and teaching aids materials. The Centre used those resources throughout the year by lending free of cost at the request of other institutions.

### **Vision:**

The Centre had gathered experiences from its day to day activities in last thirty six years that schools are the weakest Centre for scientific activities as most of the schools had not appended with a lab for upper primary section. The folding lab idea had been generated by Dr. S.C.Samanta, member-expert for activity based science learning and motivate students in pursuing study and research in future could help schools in this direction, if adopted.

**Acknowledgment:**

The Centre acknowledged support from NCSTC, DST, New Delhi, other Institutions specially Midnapore College(Autonomous), different Departments, NGOs working with similar objectives, respectable dignitaries, resource persons who helped to keep the organization alive in the new normal situation. The Centre also acknowledged the help and support from its member and well wishers in different occasions.

Prepared by :

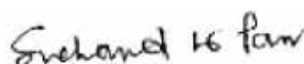


Secretary,

Dated : Midnapore  
The 23rd July, 2023

Passed in the AGM dt. 23.07.2023

  
President  
Science Centre  
Golkuachawk-721101

  
Secretary  
Science Centre  
Golkuachawk-721101

# ANNUAL REPORT OF ACTIVITIES FOR THE YEAR 2023-24



## SCIENCE CENTRE

(ESTD-1987)

[REGD NO- S/55113 OF 1987-88]

(E-DISTRICT : SO055113)

**Golkuachawk, PO- Midnapore**

**Dist- Paschim Medinipur**

**Pin- 721 101, West Bengal**

**email: [span1944@gmail.com](mailto:span1944@gmail.com)**

### Preface:

Science Centre was founded on 1987 by Some eminent professors, teachers and students for cultivating scientific thoughts and popularizing science in different domain among general people especially among students to uplift their scientific temper, attitude and spark the inquisitiveness in science and scientific activities for the benefit of oneself and society. It's registered society having registered and working office address at Vidyasagar Sarani, Golkuachawk, PO- Midnapore, Dist- Paschim Medinipur, West Bengal, Pin-721 101

The Centre is also a founder member of earlier NCSTC- NETWORK, at present NOSTC- Network, a Nationwide organization of "Organizations and Government Departments" having NOSTC office at E-56, 1<sup>st</sup> Floor, Samaspur Road, Pandavnagar, New Delhi- 110 091. The Centre has completed thirty even (37) years of modest services to the society in spite of so many constraints.

The activities carried on in 2023-2024 were briefly stated as follows:

#### **Fortnightly Workshop for students**

Fortnightly workshop on hands-on-experiments for class VIII students was started in April and continued up to October, 2023 at IAPT-Midnapore College CSC with interested participants from local schools.

#### **Exploration: Science Camp & Celebration of World Environment Day, 2023**

A two days Science camp "Exploration" was organized at Raja N L Khan Women's College(Autonomous) on 5<sup>th</sup> and 6<sup>th</sup> June, 2023 with 85 students of class VII and IX in collaboration with the host College.



In the camp hands-on-experiments, meet the scientist, computer literacy in college computer lab, visit to Mathematics labs and. Nature activity including visit to **Bio-Diversity park** of the College were arranged.

**World Environment Day Competition** : Sit and draw competition in two groups was organized on 4<sup>th</sup> June at Midnapore college Campus for children in two groups: Group A- Our green friends and Group B- Do not use plastic no more. Prizes of sit and draw competition were distributed on 5<sup>th</sup> June in the exploration camp.

#### **Workshop on: Joyful learning of Mathematics through active participation in Fold Unfold Refold Shapes.**

NCSTC, DST, New Delhi supported workshops those could not be organized in 2022-23 due to want of time were organized successfully in 2023-2024

#### **Workshop at Lalpur MG College Dist Purulia**

Workshop was organized at MG College PO- Daldali, Dist- Purulia from 25<sup>th</sup> to 28<sup>th</sup> April, 2023, with a break on 26<sup>th</sup> April, 2023 due to Bandh ( Chakka Jam) by Kurmi Samaj with 100 children of class VII and VIII from 11-school, two science communicators from Prathama Foundation, Purulia and A few science students from M G College.

A total no of 6 Technical sessions were arranged and experts and participants imparted technique of paper folding for understanding concepts in mathematics. An on board competition for the preparation of a) **Rosettee** and b) **Six** modular Cube to judge the learning and its application were given as home task and participants stood first in each item were awarded prizes. . Also written pre-feedback and post feedback were taken and analyzed.

**Inauguration:**

Presided by: **Dr. Rahul Chakraborty, TIC** of the college delivered his valuable speech in presence of other guests.

Secretary Science Centre welcomed guests and felicitated them by handing over memento of the Centre. PI, Dr.M Nanda Goswami also explained the objectives of the camp. After the inaugural session usual technical sessions were followed till the end of the programme.

**Valedictory session:**

President : **Dr. Santi Kundu, Principal, Lalpur M G College**

Guest-in-Chief : **Mr. Dhubajyoti Chattapadhaya, District Science Officer, Purulia Science Centre , a unit of NCSM**

Mr. Chattapadhaya interacted with the participants and encouraged them for pursuing Mathematics study in future.

**Workshop in Howrah District:**

The Workshop was organized at Jogesh Chandra Girls' High School(HS), 20, G T Road Souh,Howrah 711101 on 30<sup>th</sup> , 31<sup>st</sup> May and 1<sup>st</sup> June, 2023, during summer vacation of the school, with 103 children of class VII and VIII from 12 schools and 13 mathematics teachers.

**Inauguration:**

**President: Dr. Subhra Chakraborty, Headmistress of the Institution**

**Guest-in-chief and Inaugurator: Dr. Sujoy Chakraborty, Administrator, Howrah Municipal Corporation** and President of HJCGSchool and a renowned Child specialist.

HM and the guest were felicitated by awarding memento by the Centre

CO-PI S.K.Pan described briefly the objectives of the project and requested all child participants including teacher participants for doing the activity sincerely.

**Dr. Sujoy Chakraborty** in his inaugural speech encouraged the children to do mathematical activity coming out from fearful heart.

Dr. Subhra Chakraborty, HM of the Institution also requested all to carry out the activity sincerely and diligently. He also gave thanks to Science Centre for choosing his school as venue.

Secretary, Science Centre gave thanks to NCSTC, DST for support and also guest for attending and delivering speech in the inauguration.

**Valedictory Session:**

President: **Dr. Subhra Chakraborty**, HM of the host Institution

Guests: **Dr. Syed Minhaz Hossain**, HOD of Physics, Indian Institute of Engineering Science and Technology, Botanical Garden area, Howrah-711103

**Mrs. Babita Galui**, Sub-Inspector of Schools, Howrah Sadar Circle.

Mrs. Galui appreciated the shapes prepared by the participants and encouraged them



to popularize the methodology in their school. D.Hossain stressed on doing mathematics as application of mathematics cannot be ignored in daily life also. He also called participating schools to visit IEST to motivate them self in science study.

PI, Dr. M Nanda Goswami gave thanks to

NCSTC and the host institution for support and collaboration.

A total no of 6 Technical sessions were arranged and experts and participants imparted technique of paper folding for understanding concepts in mathematics. An on board competition for the preparation of a) **Rosettee** and b) **Six** modular Cube to judge the learning and its application were given as home task and participants stood first in each item were awarded prizes. Also written pre-feedback and post feedback were taken and analyzed.



Participants and teachers expressed happiness during oral feedback for giving them chance to participate in such a unique Workshop and assured to carry the methodology in their school and adjoining area.

#### **Bankura District Workshop:**

The 5<sup>th</sup> and the final Workshop was organized at Kusumbani Jamunadas Khemka High School(HS), Bishnupur, Dist Bankura from 12<sup>th</sup> to 14<sup>th</sup> June, 2023 with total eight sessions including six technical and Inaugural and Valedictory. A total No of 101 children and 16 teachers from 15 schools of the district participated and learnt.

#### **Inauguration :**

**President- Mr. Prasenjit Kundu, Head of the Institution**

**Guests:** Mr. Chinmoy Roy, member person interested in education of MC and among others Headmistress of Sibdas Central Girls', Headmaster of Dumurdiha High School



Co-PI S. K. Pan briefly describes the objectives of the Workshop.

Mr. Kundu, HM of the Institution welcome all and requested for sincere participation inspite of scorching heat.

Mr. Chinmoy Roy inaugurated the Workshop.

Mrs Nandita Kundu, HM Shibdas Central Girls' requested the participants to grab opportunity.

#### **Valedictory session:**

In the Valedictory session **Mr. Bappa Pratihari, President Managing committee of the Institution and social worker** was present and delivered motivational talk before the participants.

HM of the host institution also gave thanks to NCSTC and Science Centre for support.

In oral feedback participants including teachers expressed their joy of happiness in doing such an unique workshop and committed to carry out the methodology to their schools and in the area.

Pi, Dr. M Nanda Goswami gave thank to all concerned.

In all three above noted workshops participation certificates were awarded for sincere participation.

#### **WB State Council supported programme.**

**1). National Mathematics Day:** A two day science camp was organized at Bhadutala Vivekananda High School(HS) on 15-16 July



involving students of , PO- Bhadutala, Dist- Paschim Mr involving 80 students of class VIII and 13 teachers from 10- on

school under the block Salboni

"Understand Mathematics by Paper folding and enjoy fun". Dr. Himadri Shekhar Mandal, Asso. prof. in Mathematics gave a brief speech on Srinivasan Ramanujan to inspire the students in mathematics. Experts and MRPs imparted training to students and teachers sincerely.

**2. Science Day Quiz:** A one day inter district **Experiment based quiz contest** was organized on 19<sup>th</sup> August 2023 at Gallery Hall of Midnapore College(Autonomous), PO-



Midnapore Dist-Paschim Medinipur involving 117 students of class IX and XI from 13

NO of schools from three districts –Bankura, Paschim Medinipur and Jhargram. Competition was held on school champion and overall champion mode and Prizes and certificates were distributed to successful participants in presence of Principal and IQAC of Midnapore College. Aligunj Rishi Rajnarayan Balika Vidyalaya, PO-Midnapore, Dist-Paschim Medinipur became school Champion.

Dr. Santosh Kumar Ghorai, retired Registrar Ravindra Bharati University and popular science book writer delivered motivational speech on “**Science for global well being**” about the implication of National science Day, observed late due to late sanctioned of the project by WBSCST.

**Expertise to Schools: On request of school authority the Centre supported the following school for science activities as follows;**

**1). Torkona High School(HS), PO-Torkona, Dist –Purba Bardhaman;** The Science Centre provided science exhibits and imparted training to the exhibitors in the school campus on 8<sup>th</sup> October, 2023 in one day program.

**2). Panchkhuri Primary School:** One day workshop with class III and Class IV students demonstration in science and hands-on-activities in Life Science on 9<sup>th</sup> August, 2023. It was noticed that children learnt and felt joy in learning.

**3). Pakuria Chintamani High School(HS) , PO-Pakuria, Dist-Paschim Medinipur**

The centre helped the school for organizing two days science exhibition on 16-17 October, 2023 in the school by providing exhibits and provide training to the exhibitors for successful implementation of the programme.

**4).Sarada Vidyamandir, Jamunaballi, PO-Midnapore, Dist-Paschim Medinipur**

Two days workshop on Mathematics through paper folding was organized on 9<sup>th</sup> and 10<sup>th</sup> November, 2023 where students of class VIII and Class IX participated and learnt the application of paper folding in visualization of Mathematical problems specially 1D, 2d and 3D models.

**5). Chandra High School(HS), PO-Chandra, Dist- Paschim Medinipur.**

The Centre helped the school with exhibits and training to the exhibitors for science exhibition from 3<sup>rd</sup> January, 2024 onwards and also organized two days workshops for Hands-on-Experiments in the month of December, 2023.



**6) Inda K L Sikshaniketan, PO- Kharagpur, Dist-Paschim Medinipur.**

A three days workshop on Joyful learning in mathematics through paper folding was organized on 11-13<sup>th</sup> March, 2024 and the Centre provides free of cost expertise and imparted training to the participants and teachers to popularize the methodology folding and its importance in skill development of children

### **Celebration of National Days:**

**1). National Mathematics Day**, the 22<sup>nd</sup> November, was duly observed in one day programme with Mathematics Quiz for schools students and lecture discussion of significance of the day at Vidyasagar Vidyapith Girls' High School(HS). 80-participant from 10 schools of Midnapore town participated and contested for honour.

Prof. Shyamal Kumar Mandal, Department of applied Mathematics and Oceanology delivered lectures on the significance of the day and Life and works of Srinivasan Ramanujan in brief.

Memento and certificates were distributed to the successful participants also participation certificate to all participants.

### **2) National Mathematics Day :**

An online drawing competition was organized for children in two groups a) Group A- Class 1 & 2 : subject – Rainbow in the sky and b) Group B- Class III and IV , subject- Sea water in sunlight.

Prizes and Certificates were distributed to the winners after evaluation by the evaluators.

An interactive demonstration was also held at New Integrated Govt. School, Abas, Khasjanganl, Midnapore -721102 where 80-students from class VIII to Class IX participated and interacted. Also the life and works of Sir C V Raman was stated by Dr. S.C.Samanta in brief.

### **Publication of Vigyan Prerana and free distribution**

Vigyan Prerana, a quarterly wall magazine and distributed to interested schools in and around the district free of cost for displaying in the wall board of the school. The magazine was to encourage students to share their feeling and to motivate in writing scientific article.

### **Science Centre Library:**

A Library y containing 1200 popular science books was run voluntarily by the members of the Centre and opening to all. The library also contains a few interactive CDs prepared by the Centre or collected from different sources but the pecuniary condition of the library was not good.

### **Resource Kits**

The Centre possessed resource kits on Soil - Water and Food Adulteration, received during YSA-04, Water Testing Kit of Central Pollution Control Board and

poster set of exhibits on "Land marks in Physics", "Evolution of science" science exhibits / models and teaching aids materials. The Centre used those resources throughout the year by lending free of cost at the request of other institutions.

#### **Innovative Cell**

The innovative Cell, in association with IAPT-Midnapore College Centre for Scientific Culture, headed by Dr. Subhash Chandra Samanta worked through out the year for designing demonstrative cum measurement based low cost experiments for the use in school projects and publication in Educational journal(s). As such a potato cell had been used to verify Ohm's Law and measuring Figure of Merit of a Galvanometer. The experts associated with the Centre and IAPT Midnapore College CSC rendered service for the purpose.

#### **Memorandum of understanding:**

The Centre had signed MOU with Midnapore College(Autonomous) to use the resources of IAPT-Midnapore College Centre for Scientific Culture for popularizing science education and to use it for scientific activities free of cost.

#### **Vision:**

The Centre had gathered experiences from its 37 years of day to day activities that each school required a laboratory for scientific activities but most of the schools had not appended with a lab for upper primary section. The folding lab idea that had been generated by Dr. S.C. Samanta, member-expert, could help schools in this direction, if adopted.

#### **Acknowledgment:**

The Centre acknowledged support from NCSTC, DST, New Delhi, West Bengal Council of Science and Technology for sanctioned projects and other Institutions specially Midnapore College(Autonomous), its Raja N L Khan Women's College (Autonomous), Heads of different Schools, NGOs working with similar objectives, respectable dignitaries, resource persons who helped to keep the organization active in spite of financial constringent.

Dated : Midnapore  
The 21<sup>st</sup> July, 2024

Prepared by :

*Sneha Das*

Secretary, Science Centre

Discussed and Passed in the AGM, dated. 21.07.2024

*Gopal Chandra Bera*

*Signature of The President*

President  
Science Centre  
Golkuachawk 721101

Secretary  
Science Centre  
Golkuachawk 721101

# ANNUAL REPORT OF ACTIVITIES FOR THE YEAR 2024-25



## SCIENCE CENTRE

(ESTD-1987)

[REGD NO- S/55113 OF 1987-88]

(E-DISTRICT : SO055113)

**Golkuachawk, PO- Midnapore**

**Dist- Paschim Medinipur**

**Pin- 721 101, West Bengal**

**email: [span1944@gmail.com](mailto:span1944@gmail.com)**

**<http://sciencecentremid.org>**

### **Preface:**

In 1987, Science Centre was founded in Midnapore by some eminent professors, teachers and students for cultivating scientific thoughts and popularizing science in different domains especially among students to uplift their scientific temper, attitude and spark the inquisitiveness in science and scientific activities for the benefit of oneself and the society. It's a registered voluntary society having registered and working office at Vidyasagar Sarani, Golkuachawk, PO- Midnapore, Dist- Paschim Medinipur, West Bengal, Pin-721 101, India.

The Centre is also a founder member of NCSTC- NETWORK, renamed at present as NOSTC-Network, a Nationwide organization of "Organizations and Government Departments", having office at E-56, 1<sup>st</sup> Floor, Samaspur Road, Pandavnagar, New Delhi- 110 091. The Centre has completed thirty eight (38) years of services to the society in spite of so many constraints.

The activities carried out in 2024-2025 were briefly stated as follows:

### **Fortnightly Workshop for students of class VIII**

Fortnightly Workshop on hands-on-experiments for class VIII involving interested students of Midnapore and adjacent areas was started in April 2024 in alternate Saturday and continued up to October, 2024 with IAPT-Midnapore College CSC as host and collaborator.

### **Exploration: Science Camp at Raja N L Khan Women's College 21-23 May, 2024**



A three days Science camp with 90 students of class VIII and IX in collaboration with the host College was inaugurated by the Vice Chancellor, Prof. Susanta Kumar Chakraborty, of Vidyasagar University on 21<sup>st</sup> May, 2024 in the Ravindra Neerh of the College in presence of in presence of Dr. Jayasree Laha, Principal of the College, Dr. Gopal Chandra Bera, President Science Centre, former Principal, Midnapore College, Prof. B.C. Mal, former president of Science Centre, former VC, Chatrishgarh V Tech University and JIS University.



In the camp hands-on-experiments, meet the scientist, computer literacy in college computer lab, visit to Mathematics labs and. Nature activity including visit to **Bio-Diversity park** of the College were arranged.

### **Celebration of Special Days -2024.**

**1. World Environment Day :** The activities were a) Online slogan competition for the students of class VII and class IX b) Environmental Quiz Contest for the students of class VII, VIII and IX c) Speech competition for the students of Class VII to IX and d) Discussion by Dr. Suman Pratihari, Asstt. Professor, Keshpur College.



Dr. G.C.Bera, Former Principal, Midnapore College and President, Science Centre presided over the function. Among others Smt. Swati Bandopadhyay, HM Viduyasagar Vidyapath Girls, Dr. S.C.Samanta, Vice President, Science Centre and others were present besides the contestants. Collaborators of the program were

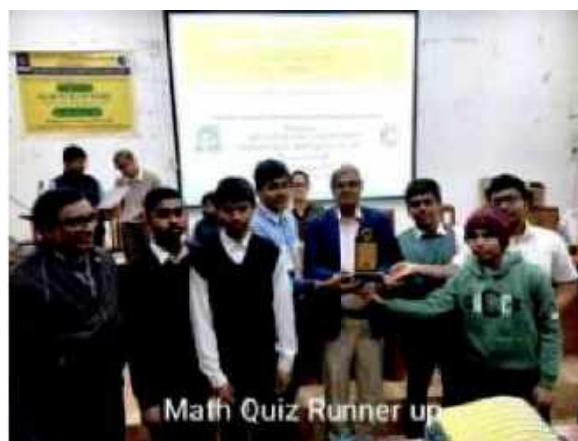
IAPT-Midnapore College CSC & the host Institution.

After the competition prizes were given to the position holders and participation certificate to all participants.

**2).National Mathematics Day:** A school level Mathematics Quiz and discussion was organized at Midnapore College Gallery Hall in association with IAPT\_Midnapore College Centre for Scientific Culture on 22<sup>nd</sup> December, 2024. In the whole day program 66 participants from 11-school of



Midnapore town including one from Jhargram district participated in the Competition. Prof. Bijan Das, Assistant



Professor, Department of Mathematics, Midnapore College (Autonomous) delivered lecture on the life and works of Srinivasa Rammanujan.

Dr. G.C.Bera, President, Science Centre presided and TIC, Midnapore College, Prof. S. Ghosh inaugurated the event and paid homage

to the great mathematician Ramanujan.

In the Competition Sri Ramkrishna Mission Vidyabhaban won the Winners' Trophy and Jhargram Kumud Kumari Institution won the Runners up trophy. Participation Certificate were given to all participants

3). **National Science Day** : The theme of this year was "Fostering public Trust in Science". The activities conducted on 28<sup>th</sup> February, 2025 as follows,

i) **Sit and draw completion** in two groups were organized at IAPT-CSC Midnapore College for students : Group A- Class VI & Class VII ; subject- Sun during twilight, Group B- Class VII & Class VIII ; subject – Natural Incident of Scattering of Light.

Prizes were given to the winners and participation Certificate to all participants.



ii) **Demo of experiments on light cum Discussion** were organized at

a) **Sevayatan Sikshan Mahavidyalay** in association with the IQAC of the college where about 200 school students from neighboring schools , B Ed trainees of the college participated and interacted. Demonstration and discussion of experiments were conducted by Mr. S.K.Pan, Sabita Manna, Basanti Bera, Pradip Mahanti and discussion by Dr. Gopal Chandra Bera, President Science



Centre. Dr. Ashis Kumar Gupta, Principal of the College also delivered lecture in the occasion.



b) **Ramkrishna Vidyamandira**, Jhargram, earlier Ekalabya H S, were also arranged with the students of the school and faculties

### **Joyful learning in Mathematics through paper Folding:**

Three workshops were organized as follows :

1. **Projoyini Jhargram : Projoyini**, an unique Chatrabas, run by a social worker, requested for the programme and two days training workshop with 40-student participants, on 23<sup>rd</sup> and 24<sup>th</sup> September, 2024 was conducted by



MRPs Sabita Manna, Pradip Kumar Mahanti.

### 2. Ramnagar JR High School :

Two days training workshop on 19<sup>th</sup> and 22<sup>nd</sup> November, 2024 was conducted by MRP Sabita Manna involving 40 students of the school.



### 3. Sri Ramkrishna Vidyayatan(HS), PO- Math Bishnupur :

Three days training workshop on the subject with 50 students of class VII to Class IX were conducted by MRPs Sabita Manna, Tarak Nath Sahoo, Pradip Kumar Mahanti and Sidhartha Pandit from 16<sup>th</sup> to 18<sup>th</sup> December, 2024.



### 4. Sabrakone High School :Dist –Bankura :

Two days programme on 6<sup>th</sup> and 7<sup>th</sup> February, 2025 were conducted by the MRPs Sabita Manna, Pralay Kanti Santra, Sumana Bhadra. 60-students of class VII to Class IX participated, learnt and enjoyed the activities joyfully.



### Collaboration with Institution in organizing Scientific Activities:

i). Science Centre collaborated with **WB Academy of Science and Technology** in the motivational program held at Nayagram Bolck Govt. Model School, Barnegui. 21<sup>st</sup>. September, 2024 where students were allowed to perform hands on experiments based on syllabus of Physical science under the guidance of P.K.Mahanti, Miss S Manna and S.K.Pan. Prof C R Sinha, Jadavpur University and President of the Academy and Prof. Chinmoy Chowdhury of IICB was also present in the program.



**ii).Baruna Satsangha High School(HS) ; Ghatal :** Science Centre conducted Math Quiz competition on 4<sup>th</sup> January, 2025 hold by the school in connection with the Platinum Jubilee Celebration of the School. 8- schools, in and around the school, 4 students from each school participated in the competition

**iii).Kalaimuri Netaji Subhas Vidyalay :** Block-Salboni : on 16<sup>th</sup> January, 2025 resource persons of Science Centre collaborated with the school by proving exhibits, resource persons and provided training to students of the school for demonstrating those exhibits in the School Science Exhibition to be help shortly in the School.

**iv).Manikbandh High School :** Block Keshpur : Science Centre provided exhibits on loan basis to the school and Dr.G.C.Bera, Sabita Manna and S.K.Pan provided training to 60 students on 25<sup>th</sup> January, 2025 about the methodology of demonstrating exhibits to the viewers of exhibition to be held on 27<sup>th</sup> and 28<sup>th</sup> January, 2025.

**vi).Jhargram Utsab through Mr Anjan Misra , AT KKI:**

On request of Mr. Anjan Misra, KKI Jhargram a few exhibits were given on loan basis for the festival and provided training to the exhibitors on 26<sup>th</sup> December, 2024. At KKI, Jhargram



**Collaboration :**



**i).Scientific Awareness of Girl-Students by Samabgra Siksha Mission,** Paschim Medinipur organized awareness program with girl students of Midnapore Collegiate School Girls on 14<sup>th</sup> July and at Inda Balika Vidyalaya on 27<sup>th</sup> July, 2024 with more than 200 participants including mistress at each place . On request of SSM

Science Centre demonstrated interactive exhibits to popularize science among girl – students and to uplift scientific attitude.

ii) **Community Awareness on School Education:**The IQAC of Raja NL Khan women's College organized one day seminar on the



subject on 7<sup>th</sup> November at Rabindra Neerh of the College with school and College teachers, Head of different Institutions, guardians. Dr. Jayasree Laha, Principal of the College presided over the seminar. Dr. S.C.Samanta narrated the objectives of the seminar. Prof. C.K.Ghosh and Dr. Gopal Chandra Bera delivered key note addresses. An interactive discussion were held among the delegates for solution of the present problems and the findings were forwarded to WB School Education Department as suggestion.

.iii) **Workshop for scientific concept development of school students.**



Golar Sushila Vidyapith(HS) of Keshpur Block organized a 4-day Workshop on hands-on-experiments for the students of class VI to Class VIII of the school from 19<sup>th</sup> to 22<sup>nd</sup> November, 2024

where Science Centre



provided expertise and resource persons free of cost and trained 40 no of students from each class with the idea that the trained students could help other students.

### **Felicitatation**

Dr. Jaysree Laha, Principal, Raja Narendralal Khan Women's College retired on 31<sup>st</sup> . December, 2024 after her successful journey for all round development of the College including science popularization and Science Centre felicitated her on 30th December, 2024 in her office chamber and expected that she will devote sometime of retired life for the popularization of science and Technology for building scientific



temper of people especially of students

### **Awareness on Parade of Planets on the Sky.**

Midnapore College N C Rana Sky watching Centre and Science Centre arranged to witness the parade of planets on the sky on 29.01.2025 from 5pm to 9pm and about 450 no of students and guardians witnessed through telescopes under the guidance of Prof. M Nanda Goswami and Mr K L Raul as follows.



**Exhibition on Basic Science (EBS) :** Science Centre joined the EBS programme of



IAPT-Midnapore College Centre for Scientific Culture, designed by Dr. Subhas Chandra Samanta, for concept development in Science through hands- on experiments following

the syllabus of Parivesh O Vigyan of classes VI to Class VIII, organized in different schools and in 5-cluster involving 35 no of schools of Paschim Medinipur including one each from Jhargram and Bankura District.

#### **Publication of Wall Magazine, Vigyan Prerana and free distribution**

Vigyan Prerana, a quarterly wall magazine and distributed to interested schools in and around the district free of cost for displaying in the wall board of the school. The magazine was to encourage students to share their feeling and to motivate in writing scientific article.

#### **Science Centre Library:**

A Library containing 1200 popular science books was run voluntarily by the members of the Centre and it was opening to all. The library also contains a few interactive CDs prepared by the Centre or collected from different sources but the pecuniary condition of the library was not good.

#### **Resource Kits**

The Centre possessed resource kits on Soil - Water and Food Adulteration, received during YSA-04, Water Testing Kit of Central Pollution Control Board and poster set of exhibits on "Land marks in Physics", "Evolution of science" science exhibits / models and teaching aids materials. The Centre used those resources throughout the year by lending free of cost at the request of other institutions.

#### **Innovative Cell**

The innovative Cell, in association with IAPT-Midnapore College Centre for Scientific Culture, headed by Dr. Subhash Chandra Samanta worked through out the year for designing demonstrative cum measurement based low cost experiments for the use in school projects and publication in Educational journal(s). As such a potato cell had been used to verify Ohm's Law and measuring Figure of Merit of a Galvanometer. The experts associated with the Centre and IAPT Midnapore College CSC rendered service for the purpose.

#### **Memorandum of understanding:**

The Centre had signed MOU with Raja Narendralal Khan Women' College (Autonomous) to undertake science activities in association with the College for popularizing science among students specially among school students for building scientific concept in different subjects.

#### **Vision:**

The Centre had gathered experiences from its 38 years of day to day activities that each school required a laboratory for scientific activities but most of the schools had not appended with a lab for upper primary section. The

folding lab idea that had been generated by Dr. S.C. Samanta, member-expert, could help schools in this direction, if adopted. Science Centre Would help if asked for.

**Acknowledgment:**

The Centre acknowledged help and supports from the following in maintaining activities of the Centre.

- a). Financial support from NCSTC, DST, New Delhi, West Bengal Council of Science and Technology for sanctioning scientific projects.
- b). Midnapore College (Autonomous) for allowing IAPT-CSC for running its activities and premises for organizing different activities throughout the year.
- c). Raja N L Khan Women's College (Autonomous) for allowing space to organize Exploration camp including some financial help
- d). Vidyasagar Vidyapith Girls' for collaboration in organizing World Environment Day Celebration.

Also the help and support of NGOs directly or indirectly, working with similar objectives, respectable dignitaries, resource persons directly associated with the Centre or from outside and voluntary assiduous efforts of members of Science Centre to keep the organization active in spite of financial constrigent

I, on behalf of the Centre, thank them all.

Prepared by :

*Sneha K. Pan*  
Secretary, Science Centre

Dated : Midnapore  
20<sup>th</sup> July, 2025

Discussed and accepted in the AGM  
*Gopal Chandra Bere* 20/7/25  
President of the meeting

*Gopal Chandra Bere*  
President  
Science Centre  
Golkuachawk 721101

Secretary  
Science Centre  
Golkuachawk-721101



Proposed names of the schools under Sadar Block, Dist Midnapore from which participants will be accepted.

SN	Name of School	Address
1	Pachkhuri D B High School(HS)	PO-Pachkhuri Pin-721150
2	Telya Vidyasagar High School(HS)	Po-Telya, Pin 825409
3	Chuadanga High School(HS)	PO-Chuadanga,,Pin-721305
4	Mahatabpur High School(HS)	PO-Mahatabpur, Pin-721149
5	Elahiya High Madrasah	PO-Panchkhuri, Pin 721150
6	Al Amin Mission Midnapore	Harispur Pin-721305
7	Harispur High Schol	PO-Harishpur, Pin-721305
8	Shiromoni High School(HS)	Po-Shiromoni, Pin 721102
9	Pathra High School	PO-Pathra, Pin-721135
10	Sarada Vidyamandir(HS)	Jamunabali , Po- Basantapur 721102
11	Charka High School(HS)	Charkka, Pin 721150
12	Banpura High Madrasah	PO-Panchkhuri, Pin-721150
13	Midanpore Collegiate School	Po-Midnapore, 721101
14	Vidyasagar Vidyapityh Gils (HS)	Po-Midnapore 721101
15	Aligunj RR Balika Vidyalay	PO-Midnapore, 721101
16	Ghurachak High School	PO-Panchkhuri, Pin-721150
17	Ai Amin Mission for Girls	PO-Harishpur Pin 721305

*MNGoswami*

(Dr. Makhanlal Nanda Goswami)

Coordinator of the project

Date -08<sup>th</sup> December, 2025

