

**Report on One-Day Seminar on “INDIAN KNOWLEDGE SYSTEM”
Organised by Seminar Sub-Committee in Collaboration with IQAC,
GGGDC. Date: - 21/11/2025**

1. **Title of the Seminar:** “*Scientific Evidences in Ancient India-A Compilation*”
2. **Organized By:** Seminar Sub-Committee in Collaboration with IQAC, GGGDC
3. **Collaborating Agency if Any:** NA
4. **Date:** 21/11/2025
5. **Venue:** Lecture Theatre-2
6. **Number of Participants:** 39 students + 10 Teachers
7. **Level:** College Level

8. Details of Resource Persons:

Dr. Santanu Chakraborti

Principal, Barasat Government College.

9. **Objectives:** The Indian Knowledge System (IKS) is a vast intellectual tradition that encompasses philosophy, science, medicine (Ayurveda), mathematics, linguistics, astronomy, yoga, arts, and architecture. The National Education Policy (NEP) 2020 recognizes the significance of IKS and aims to integrate it into modern education to foster holistic and multidisciplinary learning. The objective of this seminar was:

- ❖ To document and compile scientific evidences from Ancient India across disciplines such as mathematics, astronomy, medicine, metallurgy, architecture, and engineering.
- ❖ To highlight the empirical foundations of Indian scientific traditions and their contributions to global knowledge systems.
- ❖ To establish connections between ancient discoveries and contemporary scientific concepts.
- ❖ To analyze ancient Indian texts and practices using modern scientific perspectives and methodologies.

- ❖ To promote research awareness among students regarding India's role in the development of science and technology.

10. **Brief Report:** Seminar on the topic “Scientific Evidences in Ancient India – A Compilation” was successfully organized by the seminar sub-committee of the college to highlight the rich scientific heritage of Ancient India and its relevance in modern academic discourse. The programme aimed to create awareness among students about India's contributions to science, technology, and knowledge systems. The seminar began with an inaugural session, followed by keynote addresses by subject expert. The speaker discussed various scientific achievements of Ancient India in the fields of mathematics, astronomy, medicine (Ayurveda), metallurgy, architecture, and engineering. References from ancient texts such as the Vedas, Aryabhatiya, Sushruta Samhita, and Arthashastra were presented with scientific interpretation. Special emphasis was given to the importance of evidence-based analysis rather than mythological understanding. The sessions encouraged students to critically examine ancient practices using modern scientific approaches. Interactive discussions and presentations helped participants understand the continuity between traditional knowledge and contemporary innovation. The seminar concluded with a valedictory session followed by poster making competition on the themes provided to them. Overall, the programme was informative and inspiring, fostering academic curiosity and appreciation for India's scientific legacy. The event successfully met its objectives of promoting research orientation and interdisciplinary learning among students.


11. **Outcomes:** The seminar on Indian Knowledge System proved to be a valuable learning experience for all attendees. By fostering dialogue and critical thinking, the event empowered students to integrate strong values into their personal and professional lives. Students gained a clear understanding of the major scientific contributions of Ancient India in fields such as mathematics, astronomy, architecture etc. This seminar helped students to relate traditional scientific concepts to modern

academic and technological developments and develop deeper appreciation of India's scientific heritage and its relevance in contemporary education.

12. **Feedback:** Resource person of this Seminar provides his feedback and students who attended the seminar were provided with Feedback Form in Offline modes. The physical feedback forms were collected and has been kept accordingly.

13. **Certificate:** Resource Person were given Memento and Certificate.


Notice



GOVERNMENT GIRLS' GENERAL DEGREE COLLEGE
7, MAYURBHANJI ROAD, KOLKATA 700023

NOTICE

Memo No: 213/14702/Office/25 Date: 11/11/25


This is to inform all concerned that the Seminar Sub-Committee (Session 2025-2026) of this college, in collaboration with IQAC, is going to organise a **One-Day Seminar on INDIAN KNOWLEDGE SYSTEM** comprising the topic: *'Scientific Evidences in Ancient India-A Compilation'* on 21st November, 2025 from 1:00pm onwards at Lecture Theatre-2, First Floor. The session will be chaired by **Dr. Santanu Chakrabarti, Principal, Barasat Government College.**
All are cordially invited to attend the session.


Principal
Principal
Government Girls' General
Degree College
Kolkata


IQAC Co-ordinator
Co-ordinator
I.O.A.C


Santapa Bose 11/11/2025 Koel Adhikary 11/11/2025
Joint-Convenors, Seminar Sub-Committee

Programme Brochure



GOVERNMENT GIRLS' GENERAL DEGREE COLLEGE
7, MAYURBHANJ ROAD, KOLKATA - 700023

One Day Seminar
on
INDIAN KNOWLEDGE SYSTEM
"SCIENTIFIC EVIDENCES IN
ANCIENT INDIA- A COMPILATION"



DR. SANTANU CHAKRABORTI
PRINCIPAL,
BARASAT GOVERNMENT COLLEGE
Organised by
SEMINAR SUB-COMMITTEE
in collaboration with
IQAC,
GGGDC, KOLKATA

DATE: 21ST NOVEMBER 2025 **TIME: 1PM ONWARDS**
VENUE: LECTURE THEATRE-2

POSTER COMPETITION
(TOPICS ARE GIVEN BELOW)
INVITATION FOR STALL & BANNER
(OF ANY TYPE)

TOPICS FOR POSTER COMPETITION:

- Astronomy
- Ancient structure and design
- Administration in Ancient India
- Preserving Art, Culture and Tradition
- Traditional Medicine - Yoga and Veda
- Traditional knowledge in Mathematics

RULES:

- Students can choose any one of the topics
- Best three posters will be awarded
- The decision of the judges will be final
- E-certificate will be provided to the winners

For any query, please mail at: seminar.gggdc2024@gmail.com

REGISTRATION:

- ₹50/- for only participation
- ₹150/- banner for college students
- ₹500/- banner for outsider
- ₹250/- stall put up for college students
- ₹1000/- stall put up for an outsider

> **Last date of Registration: 19th November 2025**

PAYMENT LINK FOR PARTICIPANT:
<https://payments.billdesk.com/bdcollect/bd/governmentgirls-generaldegreecollege/18616>

Flex

Government Girls General Degree College
7 Maryabharaj Road, Kolkata 700023

one-day seminar on

INDIAN KNOWLEDGE SYSTEM

organized by
Seminar Sub-committee
in collaboration with
IQAC, GGGDC

Date: 21-11-2025
Time: 1 P.M

Dr. Santanu Chakrabarti
Principal
Barasat Government College

GPS Map Camera

Google

Kolkata, West Bengal, India 🇮🇳
Heritage Building, Jnan Chandra Ghosh Polytechnic, Mominpore,
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.528024° Long 88.321513°
Friday, 21/11/2025 02:14 PM GMT +05:30

Sample of Students' Feedback

Feedback Form for One day Seminar on
**Indian Knowledge System -
 Scientific Evidences in Ancient India-A Compilation**

Dated : 21st of November 2025

- Email Id : humeraafrin2003@gmail.com
- Full Name with Salutation (in Block Letters) : HUMERA AFRIEN
- Designation : STUDENT
- Department : EDUCATION
- Semester : V
- Course (MDC/Major) : EDUCATION MAJOR 4th
- Participated as: Organizer / Faculty Member / Student / Office Staff Member
- Name of the Affiliated Institute/Organization : FAAE GIG SIDC
- Contact No. (preferably Whatsapp No.): 8697896735

Comments on the session:

- ↓ Time Schedule followed by the organizer : Excellent / Good / Average / Below Average
- ↓ Content Delivery : Excellent / Good / Average / Below Average
- ↓ How was the Resource Person's deliberation? Excellent / Good / Average / Below Average
- ↓ Rate Today's overall experience: Excellent / Good / Average / Below Average
- ↓ Rate the overall organizing: Excellent / Good / Average / Below Average
- ↓ Suggestions if any :

- ↓ How effective was the session :
 1. Excellent 2. Very Good 3. Good 4. Average 5. Satisfactory

Feedback Form for One day Seminar on
**Indian Knowledge System -
 Scientific Evidences in Ancient India-A Compilation**

Dated : 21st of November 2025

- Email Id : atkaikyakhatoon05@gmail.com
- Full Name with Salutation (in Block Letters) : REHANA KHATOON
- Designation : STUDENT
- Department : ENGLISH
- Semester : 5TH
- Course (MDC/Major) : 4 YEAR B.A.
- Participated as: Organizer / Faculty Member / Student / Office Staff Member
- Name of the Affiliated Institute/Organization : GOVT. GIRLS' GENERAL DEGREE COLLEGE
- Contact No. (preferably Whatsapp No.): 7980709190

Comments on the session:

- ↓ Time Schedule followed by the organizer : Excellent / Good / Average / Below Average
- ↓ Content Delivery : Excellent / Good / Average / Below Average
- ↓ How was the Resource Person's deliberation? Excellent / Good / Average / Below Average
- ↓ Rate Today's overall experience: Excellent / Good / Average / Below Average
- ↓ Rate the overall organizing: Excellent / Good / Average / Below Average
- ↓ Suggestions if any :

- ↓ How effective was the session :
 1. Excellent 2. Very Good 3. Good 4. Average 5. Satisfactory

Glimpses of the Seminar





Kolkata, West Bengal, India 🇮🇳

Heritage Building, Jnan Chandra Ghosh Polytechnic, Mominpore,
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.52802° Long 88.321532°
Friday, 21/11/2025 01:13 PM GMT +05:30

Google



Kolkata, West Bengal, India 🇮🇳

7, Mayurbhanj Rd, Ekbalpur, Mominpore, Kolkata, West
Bengal 700023, India
Lat 22.527504° Long 88.321664°
Friday, 21/11/2025 01:15 PM GMT +05:30

Google

Streets and Buildings

The City Structure


Harappa and Mohenjo-daro were remarkably similar in layout and construction. Both were built on a square grid pattern.

To the west is citadel or raised area. In Mohenjo-daro, the citadel is built about 45 feet above the plain.

The city was laid out in grid iron with main streets about 45 feet wide.


Main streets ran from north to south and east to west intersecting each other.

Carts ran down to transport goods. These were pulled by camels, oxen and elephants, which were also used to travel on.



GPS Map Camera



Kolkata, West Bengal, India 

Heritage Building, Jnan Chandra Ghosh Polytechnic, Mominpore,
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.528026° Long 88.32151°
Friday, 21/11/2025 01:36 PM GMT +05:30

OUR PRIDE

"We owe a lot to the ancient Indians, teaching us how to count. Without which most modern scientific discoveries would have been impossible." - Albert Einstein





The Invention of Zero

Little needs to be written about the mathematical digit 'zero', one of the most important inventions of all time. Mathematician Brahmagupta was the first person to create a symbol for zero and it was through his efforts that mathematical operations like addition and subtraction started using the digit zero.

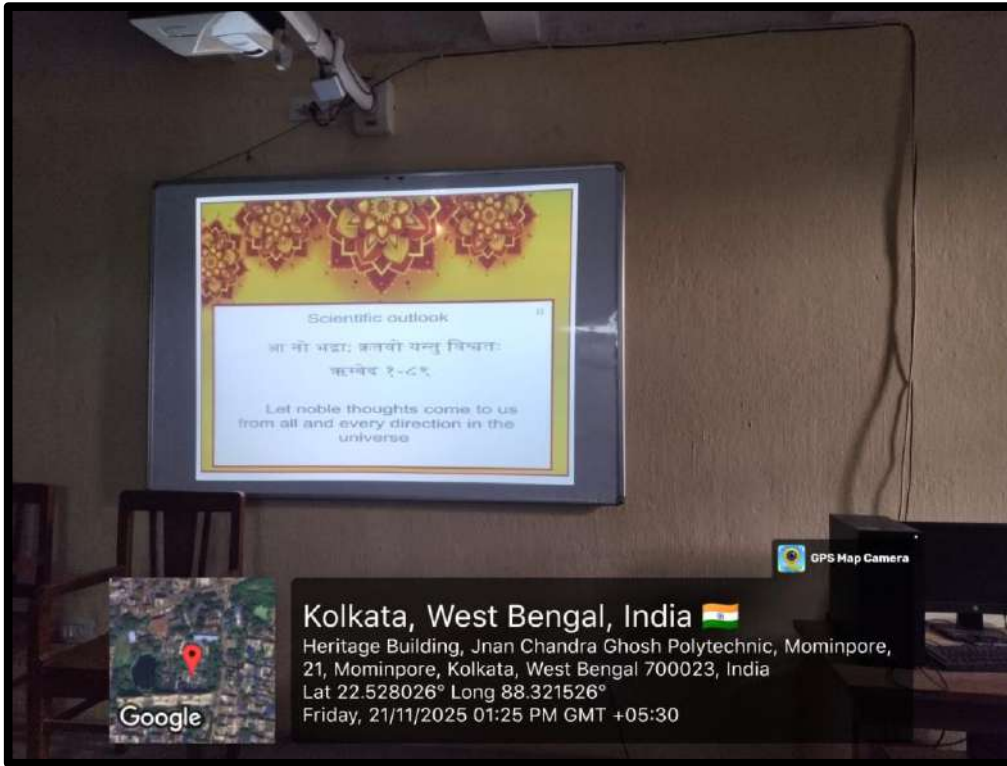


GPS Map Camera



Kolkata, West Bengal, India 

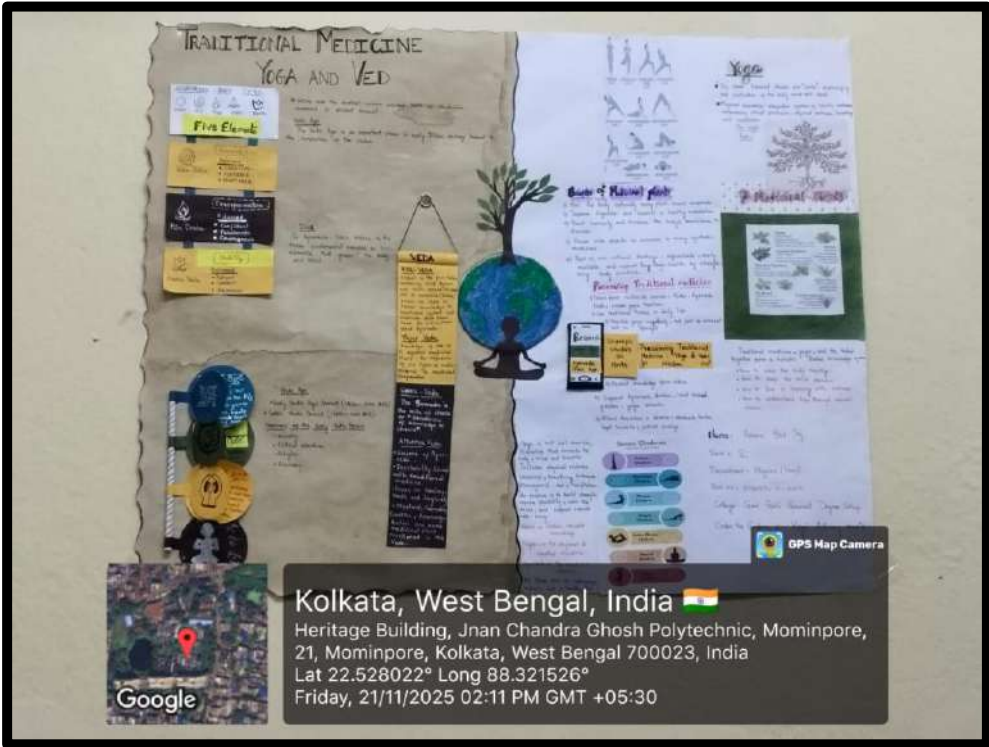
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.527627° Long 88.321422°
Friday, 21/11/2025 01:26 PM GMT +05:30




Poster Presentation by the Student



Kolkata, West Bengal, India 
Heritage Building, Jnan Chandra Ghosh Polytechnic, Mominpore,
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.528025° Long 88.321514°
Friday, 21/11/2025 02:12 PM GMT +05:30



Kolkata, West Bengal, India 
Heritage Building, Jnan Chandra Ghosh Polytechnic, Mominpore,
21, Mominpore, Kolkata, West Bengal 700023, India
Lat 22.528022° Long 88.321526°
Friday, 21/11/2025 02:11 PM GMT +05:30

Attendance Records

One Day Seminar
On
INDIAN KNOWLEDGE SYSTEM
"Scientific evidence in Ancient India – A Compilation"
Organised by
Seminar Sub-committee in collaboration with IQAC, GGGDC, KOLKATA

Attendance Sheet

Sl. No.	Name	Designation	Institute Name	Contact No.	Email Id	Signature with Date
01	Zoya Karim	Student	G.G.G.D.C.	8910740788	Zoyakarim67@gmail.com	<i>Zoya Karim</i> 21/11/25
02	Suman Jahan	Student	G.G.G.D.C.	9830510-348	Sumanjahan6@gmail.com	<i>Suman Jahan</i> 21/11/25
03	Kashish Ahlan	student	G.G.G.D.C.	907504786	kashishahlan024@gmail.com	<i>Kashish Ahlan</i> 21/11/25
04	Sabista Zabid	Student	G.G.G.D.C.	9330162122	sabistazabid@gmail.com	<i>Sabista Zabid</i> 21/11/25
05	Kaykasha Noosii	student	G.G.G.D.C.	9007269652	kaykashakaykasha01@gmail.com	<i>Kaykasha Noosii</i> 21/11/25
06	Sahana Khatoon	Student	G.G.G.D.C.	7439240235	sahana.khatoon8554@gmail.com	<i>Sahana Khatoon</i> 21/11/25
07	Shabina Nasim	Student	G.G.G.D.C.	8240165958	shabina.nasim06@gmail.com	<i>Shabina Nasim</i> 21/11/25

Sl. No.	Name	Designation	Institute Name	Contact No.	Email Id	Signature with Date
9.	Nazya Saud	Student	G.G.G.D.C.	9875497927	nazyasaud2@gmail.com	<i>Nazya Saud</i> 21/11/25
10.	Kamal Falma	Student	G.G.G.D.C.	7980489273	KFS949566@gmail.com	<i>Kamal Falma</i> 21/11/25
11.	Alfiya fatima	Student	G.G.G.D.C.	7003607618	Alfiyafatima58@gmail.com	<i>Alfiya Fatima</i> 21/11/25
12.	Fareha Shakil	Student	G.G.G.D.C.	8910559715	Farehashakil05@gmail.com	<i>Fareha</i> 21/11/25
13.	Aysha Banu	student	G.G.G.D.C.	7596058200	banuaysha782@gmail.com	<i>Aysha Banu</i> 21/11/25
14.	Tarannum Khatoon	Student	G.G.G.D.C.	8240523816	tarannum.khatoon17615@gmail.com	<i>Tarannum Khatoon</i> 21/11/25
15.	Nasrin Faveen	Student	G.G.G.D.C.	8910856653	amrtaul.hassan1604	<i>Nasrin</i> 21/11/25
16.	Muskan Khatoon	Student	G.G.G.D.C.	9330237472	muskan.khatoon50239@gmail.com	<i>Muskan</i> 21/11/25
17.	Nazia parveen	Students	G.G.G.D.C.	7439722389	naazparveen7411@gmail.com	<i>Nazia parveen</i>
18.	Fareen Javerish	Student	G.G.G.D.C.	8291420918	zoyaicid@gmail.com	<i>Fareen Javerish</i>
19.	Suman Jahan	Student	G.G.G.D.C.	7003858808	Suman.jahan6@gmail.com	<i>Suman Jahan</i>
20.	RumaiSha Ali	student	G.G.G.D.C.	7696575782	rumaishali@gmail.com	<i>RumaiSha Ali</i> 21.11.2025
21.	Tanzila Nishat	student	G.G.G.D.C.	7870703204	Tanzilanishat08@gmail.com	<i>Tanzila Nishat</i> 21.11.2025
22.	Rehana Khatoon	Student	G.G.G.D.C.	7980709190	rehanakhatoon05@gmail.com	<i>Rehana Khatoon</i> 21/11/25
23.						

Sl. No.	Name	Designation	Institute Name	Contact No.	Email Id	Signature with Date
24.	Apsara Parveen	Student	G.G.G.D.C	9831573457	apsara.parveen.09786@gmail.com	Apsara 21/11/25
25.	Noor Saba	Student	G.G.G.D.C	7044339688	naziba.khatun47@gmail.com	Noor Saba 21/11/25
26.	Saeka Parveen	Student	G.G.G.D.C	9088015085	saikaparveen26@gmail.com	Saeka 21/11/25
27.	Falak Parveen	Student	G.G.G.D.C	7439662571	FalakP003@gmail.com	Falak 21/11/25
28.	Aayesha Parveen	Student	G.G.G.D.C	8100423442	aayeshaparveen83@gmail.com	Aayesha 21/11/25
29.	Rounaube Ghyas	Student	G.G.G.D.C	6289895998	rounauk11ghas@gmail.com	Rounaube Ghyas 21/11/25
30.	Sameera Shaikh	Student	G.G.G.D.C	8910506550	SammyShahzu@gmail.com	Sameera sk 21/11/25
31.	FIRDAUS OMAR	Student	G.G.G.D.C	6289438708	ofirdaus6904@gmail.com	Firdaus 21/11/25
32.	Kaykash Noor	Student	G.G.G.D.C	9007269652	akn-noorkaykash08@gmail.com	Kaykash Noor 21/11/25
33.	Sahara Khatun	Student	G.G.G.D.C	7439240235	Sahara.khatun8554@gmail.com	Sahara Khatun 21/11/25
34.	Babita Kumari shaw	Student	G.G.G.D.C	7439744623		Babita 21/11/25
35.	Shahim Parveen	Student	G.G.G.D.C	9062681781	shahimhussainm@gmail.com	Shahim Parveen 21/11/25
36.	Shakiba. Khatun	Student	G.G.G.D.C	6291813550	ShakibaK637@gmail.com	Shakiba.khatun 21/11/25
37.	Humera Afreen	Student	G.G.G.D.C	8697896735	humeraafreen2003@gmail.com	Humera Afreen 21/11/25
38.	Adiba Nishat	Student	G.G.G.D.C	7003588603	adibanshat06@gmail.com	Adiba 21/11/25
39.	Sania Jahan	"	"	8910366055	saniajahan63@gmail.com	Sania 21/11/25