









04 October 2025

On the occasion of "Silver Jubilee year of Chhattisgarh"

REPORT ON ONE DAY SEMINAR ON

THEME: GROWING CHHATTISGARH THROUGH SCIENCE

Sponsored By -

Chhattisgarh Council of Science & Technology, Raipur (C.G.)

and Department of Higher
Education, Govt. of Chhattisgarh,
Raipur (C.G.)

Organized By:

Department of Science & IQAC
Government Ghanshyam Singh Gupt P.G. College, Balod, DistrictBalod, Chhattisgarh-491226

REPORT



On the occasion of "Silver Jubilee Year of Chhattisgarh", one day seminar was organized by science department and IQAC at Auditorium, Government Ghanshyam Singh Gupt P.G. College, Balod which was held on 04 October 2025, on the theme - "Growing Chhattisgarh Through Science".



ABOUT COLLEGE



Government Ghanshyam Singh Gupta P.G. College, Balod, was established on 15th August 1983 as a multifaculty co-ed institution under the name Government Science, Arts, and Commerce College, Balod. It was renamed in 2008-09 in honour of the freedom fighter

Ghanshyam Singh Gupta. Initially part of Durg District, Balod became a separate district on 10th January 2012. The college was allotted 40 acres of land by the then Government of M.P., with its foundation stone laid by Chief Minister Motilal Vora. Registered under the UGC Act in 1989, the college started with 219 students and has grown to over 3,000 students today.

ABOUT SCIENCE DEPARTMENT

The Department of Science was established in 1983, marking the beginning of a journey dedicated to academic excellence. A significant milestone was achieved in 1990 with the introduction of the Master's program. At present, the department offers seven streams in science and 03 PG course (Botany, Mathematics, Physics). NEP2020 implemented in the year 2024. In addition to its regular academic activities, it consistently organizes conferences, seminars, and workshops on contemporary and relevant issues, fostering intellectual growth and knowledge sharing.

ABOUT SEMINAR

Objectives of the Seminar:-

- 1 Provide for a deeper understanding of scientific concepts through hands-on experiments.
- 2 To develop critical thinking and problem-solving skills.
- 3 To encourage scientific curiosity, promote creativity, enhance practical skills.
- 4 Aims to make science more engaging and accessible for students through practical application and exploration.
- Science impacts daily life by improving communication, transportation, healthcare, food production, and technology. It fosters curiosity, problemsolving skills, and a deeper understanding of cause-and-effect relationships.

Chief Guest

Mr. Bhupendra Kuldeep

Registrar

Hemchand Yadav

Vishwavidyalaya, Durg (C.G.)

PATRON

Dr. J.K. Khalkho

Principal,

Govt. Ghanshyam Singh Gupt P.G. College, Balod (C.G)

Our Eminent Resource Person(s)

- **Dr. Jagjeet Kaur Saluja,** Professor and Head, Department of Physics, Govt. V.Y.P.T. P.G. College, Durg (C.G.)
- Dr. P. Jha, Principal, Govt. Naveen College, Komakhan (Mahasamund) (C.G.)

On the day, our Chief Guest Mr. Bhupendra Kuldeep, Registrar, Hemchand Yadav University, Durg (C.G.), was present virtually. The seminar was coordinated by Dr. H. L. Manker, Assistant Professor and Head, Department of Mathematics, and convened by Dr. R. D. Sahu, Assistant Professor and Head, Department of Physics.

The program started with lightning of the lamp, after which the program commenced with an inaugural address by the principal of the college, Dr. J. K. Khalkho, followed by a motivational speech and blessings from the Chief Guest, Mr. Bhupendra Kuldeep, Registrar, Hemchand Yadav University, Durg (C.G.).





After that, Dr. H. L. Manker delivered a speech and presented an outline of the program. Dr. Neeraj Verma shared information about the achievements of today's keynote speaker, Dr. Jagjeet Kaur Saluja, Professor and Head, Department of Physics, Govt. V.Y.P.T.P.G. College, Durg (C.G.).

Subsequently, Dr. Jagjeet Kaur Saluja delivered a lecture on "The Importance of Luminescence for Society", explaining concepts related to LEDs, types of luminescence, rare earth elements, phosphor materials, sample synthesis methods, and characterization techniques.

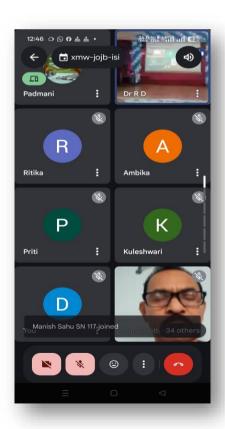
She also said as a physics professor, examining the <u>research scope in</u> <u>Chhattisgarh</u> through the lens of its abundant mineral resources opens up exciting avenues for multidisciplinary investigations, particularly in material science, condensed matter physics, geophysics and environmental physics. The state of Chhattisgarh is rich in mineral resources including coal, iron, bauxite, limestone, dolomite and others, which provide a unique context for scientific inquiry.



The second lecture was delivered by **Dr. P. Jha, Principal, Govt. Naveen College, Komakhan (Mahasamund)**, who discussed the "application of mechanics in physics and the role of Vedic Mathematics". He explained that even in today's era, when we consider "Astronomy" and "Astrology" as distinct disciplines, the foundation of astrology lies in mathematical calculations. The horoscopes, planetary positions, and transits generated by computers are all based on precise algorithmic calculations. Thus, it can be said that:

"Astrology is incomplete without mathematics, and astrology has given mathematics a new dimension."

Astrology taught humans the art of measuring time, direction, motion, and cosmic phenomena, which later became the foundation of modern astronomy and mathematics.



Students from the college and nearby schools also exhibited and actively participated in science-related models and Quiz competition. In the second session, a quiz and working model competition was organized, for each competition first price is Rs.1000/- with Gift & Certificate, Second price is Rs. 500/- & certificate and Third price is medal & certificate. In seminar, more than 200 students (offline and online) actively participated and certificate were given to all participants for appreciation.

Winners

Positions	Quiz Competition	Model Competition
	Akanksha	Nikhil Sahu
First Position	(M.Sc Botany -I Sem)	(Class- 12 th)
	Govt. GSGPG College, Balod	SAGES School, Balod
	Harish	Nikita Pipriya&
Second Position	(M.Sc. Physics -III Sem)	Raghvendra
	Govt. GSGPG College, Balod	(M.Sc Physics - III Sem)
		Govt. GSGPG College, Balod
	Lokendra	Lokendra
Third Position	(Class- 12 th)	(Class- 12 th)
	SAGES School, Balod	SAGES School, Balod

Seminar concluded with the distribution of prize and certificates to the winners and all participants and vote of thanks was given by organizing secretary.









The program was jointly co-convened by Prof. Shailendra Arya (Co-convener), Prof. C. D. Manikpuri (Organizing Secretary), and Prof. Gopanand Khare (IQAC Coordinator), with technical assistance from Dr. Neeraj Verma, Mrs. Monika Bhardwaj, Ms. Teena Sahu, Ms. Reetika. Active participation was also shown by faculty members of the Science Department Prof. Jitesh Kumar Sahu (Botany Department), Prof. Ritu Pisda(Zoology Department), Dr. Neha Sahu, Ms. Purnima Pathare, Dr. Ravi Shankar Singh, Ms. Akanksha Dhruv, Mr. Naman Sahu, Ms. Sujata Sahu, along with other college staff and officials had a special contribution in making this program successful.



Gallery

Seminar





Working Model Competition











Quize Competition

News Paper Cutting

बालोद में एक दिवसीय राष्ट्रीय सेमिनार का किया गया आयोजन

पीपुल्स संवाददाता • बालोद

editor@peoplessamachar.co.in

घनश्याम सिंह गुप्त स्नातकोत्तर महाविद्यालय में छत्तीसगढ़ के रजत जयंती वर्ष के अवसर पर ग्रोविंग छत्तीसगढ़ थ्रू साइंस पर एक दिवसीय राष्ट्रीय सेमिनार का आयोजन किया गया है। इसके समन्वयक गणित विभाग के विभागाध्यक्ष डॉ. एचएल मानकर एवं संयोजक भौतिक विभाग के विभागाध्यक्ष डॉ आरडी साहू थे। सर्वप्रथम महाविद्यालय के प्राचार्य डॉ जे.के. खलखो, द्वारा उद्बोधन दिया गया।

तत्पश्चात इस कार्यक्रम के मुख्य अतिथि हेमचंद यादव विश्वविद्यालय के कुलसचिव भूपेंद्र कुलदीप के द्वारा आशीष वचन एवं उद्बोधन दिया गया। तत्पश्चात डॉ एचएल मानकर सर के द्वारा उद्बोधन और कार्य की



रूपरेखा की जानकारी दी गई। डॉ. नीरज वर्मा के द्वारा बुधवार को कार्यक्रम के प्रवक्ता डॉ जगजीत कौर सलूजा, प्राध्यापक एवं विभागाध्यक्ष, भौतिक विभाग, शासकीय विश्वनाथ यादव तामस्कर महाविद्यालय के एचीवमेंट के बारे में जानकारी दी गई।

तत्पश्चात डॉ जगजीत कौर सलूजा के द्वारा द इंपॉर्टेंस ऑफ लुमिनेंसेस फॉर सोसाइटी में व्याख्यान दिया गया।

महाविद्यालय एवं आसपास के विद्यालयों के विद्यार्थियों द्वारा विज्ञान से संबंधित आकर्षक मॉडल्स की प्रदर्शनी भी तमाई गई। द्वितीय पाती में किन्त्र प्रतियोगिता का आयोजन किया गया, जिसमें 200 से अधिक छात्र-छात्राओं ने उत्साहपूर्वक मान विया।



कार्यक्रम में सह-संयोजक प्रो. शैलेन्द्र आर्य, सचिव प्रो. सी.डी. मानिकपुरी, IQAC संयोजक प्रो. गोपानंद खरे, तकनीकी सहायक डॉ. नीरज वर्मा सहित विज्ञान संकाय के डॉ. नेहा साहू, डॉ. रवि शंकर सिंह, सुश्री पूर्णिमा पाठरे, प्रो. रित्तु पिसवा, प्रो. जिलेश साहू, मोनिका भारद्वाज, टीना साहू, रितिका, नमन साहू एवं आकांक्षा ध्रुव ने सक्रिय भागीवारी निभाई।

कार्यक्रम में महाविद्यालय के अधिकारी एवं कर्मचारी बड़ी संख्या में उपस्थित रहे।

"Growing Chhattisgarh Through Science" विषय पर घनश्याम सिंह गुप्त स्नातकोत्तर महाविद्यालय में राष्ट्रीय संगोष्ठी आयोजित

Published by Gupta News Agency on October 8, 2025



बालोद। छत्तीसगढु राज्य के रजत जयंती वर्ष के अवसर पर घनस्थाम सिंह गुप्त स्नातकोत्तर महाविद्यालय में "Growing Chhattisgarh Through Science" विषय पर एक दिवसीय राष्ट्रीय सेमिनार का भव्य आयोजन किया गया। कार्यक्रम का समन्वयन गणित विभाग के विभागाध्यक्ष जॉ. एच. एत. मानकर एवं संयोजन भौतिकी विभाग के विभागाध्यक्ष जॉ. आर.वी. साह द्वारा किया गया।

कार्यक्रम की गुरुआत महाविद्यालय के प्राचार्य जो, जे के. खतःखों के प्रेरक उद्वोधन से हुई। इसके प्रधात कार्यक्रम के मुख्य अतिथि हेमचंद्र यादव विश्वविद्यालय के कुलसचिव भूपेंद्र कुलद्रीय ने अपने संबोधन में विज्ञान और नवाचार की भूमिका पर प्रकाश जाला। तरपश्चत ठों. एव. एल. मानकर ने सेमिनार की रूपरेखा एवं उद्देशयों की जानकारीदी।

ठाँ. नीरज वर्मा ने प्रथम प्रवक्ता ठाँ. जगजीत कीर सलुजा, प्राध्मापक एवं विभागाध्मक्ष, भौतिक विभाग, शासकीय विश्वनाथ यादव तामस्कर महाविद्यालय के योगदानों का परिचय प्रस्तुत किया। ठाँ. सलुजा ने "The Importance of Luminescence for Society" विषय पर व्याख्यान देते तुप एतर्हें ठी. त्यूमिनेसेस के प्रकार, रेयर अर्थ एविमेट, फास्फोर मेटेरियल, सैंधल स्थिस मेथन्स एवं कैरेक्टराङ्गेषान तकनीकों की विस्तृत जायकारी हों।

द्वितीय प्रवक्ता जॉ. यी. झा. प्राचार्य, शासकीय नवीन महाविद्यातय कोमाखान (महासमुद्ध) ने "भौतिकी में मैकेनिक्स का उपयोग एवं वैद्विक गणितः विषय पर रोचक प्रस्तृति दी। उन्होंने बताया कि जब हम "Astronomy" और "Astrology" को अलग-अलग मानते हैं, तब भी ज्योतिष के मृत में गणित निहित्त है। उन्होंने कहा — "गणित के बिना ज्योतिष अपूरा हैं, और ज्योतिष ने गणित को एक नया आयाम दिया है।" उनके अनुसार, ज्योतिष ने मानव को समय, दिया, गति और ब्रह्मावीय पटनाओं को मापने की कता सिखाई, जिसने आगे चतकर आधुनिक खगोतगास्त्र और गणित की नीव रखी।



"Growing Chhattisgarh Through Science" विषय पर घनश्याम सिंह गुप्त स्नातकोत्तर महाविद्यालय में राष्ट्रीय...

बालोद। छत्तीसगढ़ राज्य के रजत जयंती वर्ष के अवसर पर घनश्याम सिंह गुप्त स्नातकोत्तर महाविद्यालय में "Growing Chhattisgarh wp.me

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बालोद में हुआ राष्ट्रीय सेमिनार : "विज्ञान के माध्यम से छत्तीसगढ़ का विकास" पर हुई चर्चा - RM24

फिरोज अहमद खान (पत्रकार) बालोद। छत्तीसगढ़ के रजत जयंती वर्ष के अवसर पर बालोद के घनश्याम सिंह गुप्त स

rm24.in

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Sample of Certificates





is to certify that Class Institute...... has participated in the One Day Seminar on "GROWING CHHATTISGARH THROUGH SCIENCE" held on the occasion of "Silver Jubilee Year of Chhattisgarh" Date: 04 OCTOBER 2025, sponsored by Chhattisgarh Council of Science & Technology, Raipur (C.G.).

He/She participated/secure Position in Seminar/Quiz/ Working Model Competition. We wish best of luck for his/her future.

C.COST Co-ordinator IQAC Coordinator

CERT 2025/DoS/NS1/Compt.

OUR TEAM MEMBERS

CO-ORDINATOR

• Dr. H.L.Manker(HOD, Dept. of Mathematics)

CONVENER

• Dr. R.D. Sahu (HOD, Dept. of Physics)

CO-CONVENER

• Mr. Shailendra Arya (Dept. of Computer Science & App.)

ORGANIZING SECRETARY

- Mr. C.D. Manikpuri (Dept. of Mathematics)
- Mr. G.N. Khare (IQAC Co-ordinator)

TECHNICAL COMMITTEE

- Mrs. Monika Bhardwaj (Dept. of Computer Science & App.)
- Ms. Reetika Thakur (Dept. of Computer Science & App.)
- Ms. Teena Sahu (Dept. of Computer Science & App.)
- Dr. Neeraj Verma (Dept. of Physics)

ORGANIZING COMMITTEE

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- Mr. C.D. Manikpuri (Dept. of Mathematics)
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- Mr. Shailendra Arya (HOD, Computer Science & App. Dept.)
- Mr. Jitesh Kumar Sahu (HOD of Botany Dept.)
- Ms. Ritu Pisda (HOD of Zoology Dept.)

ADVISIORY COMMITTEE

• Prof. Dr. Apurba K. Das

Professor. Deptt. of Chemistry, IIT Indore (M.P.)

• Prof. K. Kant Sahu

HOD, SoS, Biotech. Pt. RSU, Raipur (C.G.)

• Mr. Akhilesh Tripathi

Scientist D, CG-Cost, Raipur (C.G.)

• Prof. K.V.S. Ranganath

Professor. Deptt. of Chemistry, BHU Varanashi (U.P.)

• Dr. Ajay Kumar Singh

Principal, Govt. V.Y.T. P.G. Auto. College, Durg (C.G.)

• Dr. Siteshwari Chandrakar

Asst. Prof., Govt. V.Y.T.P.G. Auto. College, Durg (C.G.)

• Dr. Nameeta Brahme

HOD of Physics Department, Pt. Ravishankar Shukla University,

Raipur (C.G.)

• Dr. Yaser Qureshi

I/c Principal, Govt. College, Khertha, Balod (C.G.)

• Mr. Lekhram Hirwani

Asst. Prof. Dept. of Physics, Govt DBT College, Gurur (C.G.)

TEAM OF SUPPORTERS

- Dr. Neha Sahu (Faculty, Dept. Of Physics)
- Dr. Ravishanker Singh (Faculty, Dept. Of Botany)
- Ms. Purnima Pathare (Faculty, Dept. Of Botany)
- Ms. Sujata Sahu (Faculty, Dept. Of Zoology)
- Mr. Naman Sahu (Faculty, Dept. Of Chemistry)
- Ms. Akanksha Dhruw (Faculty, Dept. Of Chemistry)

Brochure

ABOUT COLLEGE



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- To develop critical thinking and problemsolving skills.
- To encourage scientific curiosity, promote creativity, enhance practical skills.
- Aims to make science more engaging and accessible for students through practical application and exploration.

ABOUT COMPETITION

QUIZ COMPETITION: (Individual)

There will be 3 Rounds (Physical Mode). Only 10% of high scorer participants will go to the 2^{nd} Round and 3^{rd} Round.

WORKING MODEL COMPETITION:

Theme: "Explorations of Science in World"

Max. 2 students in 1 model.

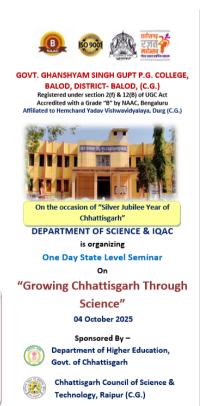
School, ITI students can also participate in the competition.

Prize for individual competition.

1st Prize: Rs. 1000/- & Gift

2nd Prize: Rs. 500/- & Gifts

All registered participants will be given certificates.



Eminent Resource Person(s)

Principal,
Govt. Naveen College,Komakhan,
Mahasamund (C.G.)

Dr. Jagjeet Kaur Saluja, Professor & HOD (Physics Dept.), Govt. V.Y.T. P.G. College, Durg (C.G.)

NATIONAL ADVISORY COMMITTEE

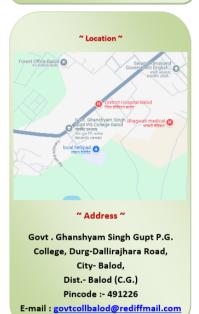
Prof. Apurba K. Das,
Prof. Dept. Of Chemistry, IIT Indore (MP)
Prof. K. Kant Sahu,
Prof. H. Kant Sahu,
Prof. H. Order (MP)
Mr. Akhilesh Tripathi,
Scientist D, GG-COST, Raipur
Prof. KVS Ranganath
Prof. Dept. Of Chemistry, BHU Varanashi (UP)
Dr. Ajaya Kumar Singh
Principal, Govt. VYT PG Auto. College, Durg, C.G.
Dr. Siteshwari Chandrakar
Asst. Prof., Govt. VYTPG Auto. College, Durg, C.G.
Dr. Nameeta Brahme

HOD of Physics Department, Pt. Ravishankar Shukla University, Raipur, C.G. Dr. Yaser Qureshi Principal, Govt. College, Khertha, C.G.

Mr. Lekhram Hirwani Asst. Prof. Dept. of Physics Govt DBT College, Gurur, C.G.

~ Venue of Workshop ~

Auditorium, Govt. Ghanshyam Singh Gupt
P.G. College, Balod (C.G.)



TECHNICAL COMMITTEE

(Dept. of Computer Science & App.) Mrs. Monika Bhardwaj Ms. Ritika Mrs. Teena Sahu Dr. Neeraj Verma (Dept. of Physics)

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Mr. Shailendra Arya (HOD of Computer. Science & Application Dept.)

TEAM OF SUPPORTERS

Dr. Neha

Dr. Ravishanker Singh

Ms. Purnima Pathare

Ms. Sujata Sahu

Mr. Naman Sahu Ms. Akansha Dhruw

Fees Structure : -

✓ Free Registration for all

One Day Seminar Growing CG through Science



Last Date of Registration: 26/09/2025

~ Registration Link ~

https://forms.gle/5WFmbrpbG69qva2GA

On spot registration also available.

~ For More Information ~

Dr. R.D. Sahu : 9131871262,

Ms. Ritu Pisda : 7587412790,

Mr. Shailendra Arya : 9098919353,

Dr. Neeraj Verma : 8109797483

Dr. Ravishanker Singh: 7389205552

PATRON



Dr. J.K. Khalkho (Principal)

CO-ORDINATOR

Dr. H.L.Mankar(HOD, Dept. of Mathematics)

CONVENER

Dr. R.D. Sahu (HOD, Dept. of Physics)

CO-CONVENER

Mr. Shailendra Arya (HOD, Dept. of Computer Science & Application)

ORGANIZING SECRETARY

Mr. C.D. Manikpuri(Dept. of Mathematics)

Mr. G.N. Khare (IQAC Co-Ordinator)

One Day Seminar On

"Growing Chhattisgarh Through
Science"

Registration Form

1.	Name (Block Letter) -
2.	Designation -
•	Mobile No
э.	Widdle No
4.	E-mail -
5.	Institute Name –
٠.	
	Address -
7.	Participate in competition -
•	
8.	Signature of the Participant -









One Day Seminar On

Growing Chhattisgrah Trough Science

04-10-2025

Lecture By :-

Dr. P Jha, Principal, Govt. Naveen College, Komakhan, Mahasamund (C.G.)

Lecture By-

Dr. J. K. Saluja, Professor & HOD, Dept. of Physics, Govt. VYT PG College, Durg (C.G.)

Quiz Competition:

There are 3 Rounds.

Top 10% of high scorer participants will go to the next round.

-: PRIZE :-

▶1st Prize Rs. 1000/- & Gift
 ▶2nd Prize Rs. 500/- & Gift
 ▶Certificate for all participants

Working Model Competition:

Theme: Explorations of Science in the World.

~ Registration Link ~

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On the occasion of "Silver Jubilee Year of Chhattisgarh"

One Day Seminar

On

"Growing Chhattisgarh Through Science"

04 October 2025



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