



VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT

**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)**

(Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

Dr. K. G. Rewatkar

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Principal

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(NAAC Accredited B++ 2022)

PROGRAMME REPORT

- **Name of Program / Event:** Guest Lecture on "Role of Environmental Modelling in Predicting and Mitigating Pollution"
- **Name of the Organizing Department:** Department of Science, V. V. Arts, Commerce and Science College, Samudrapur and PM Shri ZP School, Samudrapur Dist. Wardha
- **Date, Venue, Time/ Duration:** 13th January 2025, PM Shri ZP School, Samudrapur Dist. Wardha, Time 11:00 AM
- **Number of participants (students/ faculty members/ research scholar):** 42 Students and 07 Faculty members
- **Name of the speaker/guest:** Dr. Hemant Bherwani, Senior Scientist, Cleaner Technology and Modelling Division (CTMD), CSIR-NEERI, Nagpur, Maharashtra.

Introduction of the event:

The Department of Science, Vidya Vikas Arts, Commerce and Science College, Samudrapur, in collaboration with PM Shri ZP School, Samudrapur, organized an insightful guest lecture on the topic "Role of Environmental Modelling in Predicting and Mitigating Pollution" on 13th January 2025 for students of the M. Sc. program. The lecture was delivered by Dr. Hemant Bherwani, a distinguished Senior Scientist from the Cleaner Technology and Modelling Division (CTMD) of CSIR-NEERI, Nagpur, Maharashtra.

Dr. Bherwani, a renowned expert in environmental modelling and sustainable technologies, shared his profound insights and expertise on how predictive modelling tools play a pivotal role in assessing, managing, and mitigating pollution. The lecture was specifically curated for the postgraduate students of M. Sc., aiming to bridge the gap between academic knowledge and its practical application in addressing real-world environmental issues.

The session highlighted key aspects of environmental modelling, such as its importance in predicting pollution trends, assessing the impact of anthropogenic activities, and designing strategies for cleaner and greener technologies. It also provided students with an opportunity to explore advanced scientific methods, engage in intellectual discussions, and gain exposure to the innovative approaches employed by CSIR-NEERI in tackling environmental challenges.

The event also had the privilege of hosting Dr. N. S. Shirbhate, Vice Principal, Vidya Vikas Arts, Commerce, and Science College, Samudrapur as the Chief Guest, whose presence on the dais inspired the attendees. The lecture aimed to provide a platform for students to understand the critical role of environmental modeling in developing sustainable solutions to pollution, fostering a sense of responsibility and innovation among young scholars.

This enriching interaction not only broadened the academic horizons of the participants but also inspired them to contribute effectively to sustainable development through research and innovation.

Objectives of the event:

- To familiarize students with the concept and importance of environmental modelling in understanding and managing environmental systems.
- To introduce the students to cutting-edge modelling tools and methodologies used for environmental analysis and pollution control.
- To explore real-world applications of environmental modelling in policymaking, urban planning, and industrial emission control.
- To emphasize the importance of modelling in developing cleaner technologies and sustainable practices for pollution mitigation.
- To engage students in understanding the interdisciplinary nature of environmental modelling, integrating chemistry, biology, physics, and computational sciences.

Photos:





Outcome of Activity:

- Students gained an in-depth understanding of the concept, tools, and applications of environmental modelling in identifying pollution trends and predicting its potential impacts.
- The lecture introduced students to the latest technologies and software tools used in environmental modelling, such as Geographic Information Systems (GIS), Remote Sensing, and simulation models for predictive analysis.
- Students learned the significance of data collection, processing, and interpretation in developing sustainable solutions for pollution control using modelling techniques.
- The session provided insights into potential career paths in environmental sciences, research, and policy-making, inspiring students to explore opportunities in reputed organizations like CSIR-NEERI.
- The lecture highlighted the necessity of integrating knowledge from diverse fields like mathematics, computer science, and biology to effectively tackle complex environmental issues.
- The interactive Q&A session allowed students to clarify doubts and discuss challenges related to pollution management and mitigation strategies.

Date: 16 January 2025

Place: Samudrapur

Name and Sign of event in charge

R. S. Pawar

Vice-Principal

Dr. N. S. Shirbhate

Principal

Dr. K. G. Rewatkar

Principal

Vidya Vikas Art's Commerce
& Science College, Samudrapur
Dist. Wardha 442305



**VIDYA VIKAS ARTS, COMMERCE AND SCIENCE
COLLEGE, SAMUDRAPUR DIST. WARDHA-442305**

- PROGRAM NAME: Guest lecture on 'Role of Environmental modelling in Predicting & mitigating Pollution'
- PROGRAM DATE: 13/01/2025
- ORGANIZED BY: Department of Science, V.V.C.S.

SR. NO.	NAME OF PARTICIPANT	SIGNATURE
1	Rani Suresh Pimpalkar	R.S.Pimpalkar
2	Kokila Prabhakar Tadas	K.P.Tadas
3	Pratiksha Kashinath Nikhade	P.Nikhade
4	Achay Mohan Babastrabudhe	A.Mahar
5	Samiksha G. Thawari	S.G.Thawari
6	Mrunali Naughare	Mrunali
7	Nikhita Pahune	Nikhita Pahune
8	Aditi Ladi	A.Ladi
9	Ruchali Paulkar	R.Paulkar
10	Aditi K. Bawane	A.Bawane
11	Shweta K. Dango	S.Dango
12	minakshi manapur	Mmanapur
13	chetana mude	C.mude
14	Sahil Dange	S.dange
15	Gauri S. Kshirsagar	G.Kshirsagar
16	Rasmanjini T. Waghmare	R.Waghmare
17	Ankita A. Ughade	A.Ughade
18	Ankita S. Thute	A.Thute
19	Tejaswini G. yesankar	T.yesankar
20	Alkansha N. Dhurkade	A.Dhurkade
21	Jayashri Vithobaji Chembhare	J.Chembhare
22	Kaushik Varma	K.Varma
23	Achal R. Waghmare	A.R.Waghmare
24	Kaveri C. Dhok	K.Dhok
25	Suhani S. Alcode	S.Alcode
26	Megha A. Wadhwa	M.A.Wadhwa



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Principal

Ph. & Fax No. 07151 225560, 295440, 9822426769 (Estd. 1989)

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VVCS/ 10 /2025

Date: 09/01/2025

To,

Dr. Hemant Bherwani,

Senior Scientist,

Cleaner Technology and Modelling Division (CTMD),

CSIR-NEERI, Nehru Marg,

Nagpur-440020, Maharashtra, India.

Subject: Invitation for Guest Lecture

Respected Sir,

Greetings from Vidya Vikas Arts, Commerce, and Science College, Samudrapur!


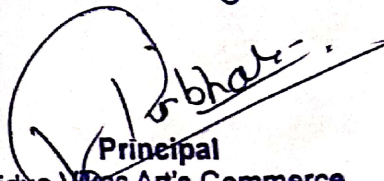
It is with great pleasure that we invite you to deliver a guest lecture to our undergraduate and postgraduate students of B.Sc. and M.Sc. on a topic of your expertise. Your illustrious work in the field of cleaner technology and environmental modelling has been a source of inspiration for students and professionals alike.


We believe that your insights and experience will provide valuable knowledge and motivation to our students as they explore the practical and innovative applications of science in addressing environmental challenges.

The lecture is proposed to be scheduled on 13th January 2024, at Z.P. School in Samudrapur, Dist. Wardha. The session is expected to last approximately 1-2 Hours, followed by an interactive Q&A session with the students.

We kindly request you to share your confirmation and let us know if there are specific requirements for your presentation. Your presence will greatly enrich our academic endeavours and inspire the next generation of scientists and researchers.

Looking forward to your positive response. Thanking you in anticipation.



Principal
Vidya Vikas Arts Commerce
& Science College, Samudrapur
Dist. Wardha 442305


Warm regards,
Dr. K. G. Rewatkar
Principal,
Vidya Vikas Arts, Commerce and
Science College, Samudrapur,
Dist. Wardha (Maharashtra)





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VVCS/ 11 /2025

Date: 13/01/2025

To,

Dr. Hemant Bherwani,

Senior Scientist,

Cleaner Technology and Modelling Division (CTMD),

CSIR-NEERI, Nehru Marg,

Nagpur-440020, Maharashtra, India.

Subject: Heartfelt Thanks for Your Guest Lecture

Respected Sir,

On behalf of Vidya Vikas Arts, Commerce, and Science College, Samudrapur, I extend our sincere gratitude for your insightful and inspiring guest lecture on January 13, 2025, to our postgraduate students. Your expertise and the depth of knowledge you shared with our students have left an indelible impression on their academic journey. The clarity of your explanations, the practical insights, and the enthusiasm you brought to the lecture were truly commendable and have undoubtedly enriched their understanding of the subject.

Our students and faculty greatly appreciated the opportunity to learn from a distinguished scientist like you. Your talk not only provided valuable academic knowledge but also motivated our students to pursue their research endeavours with greater passion and dedication.

We hope to have the privilege of welcoming you again to our institution for future engagements. Please accept our heartfelt thanks for your valuable time and efforts in making this event a grand success.

Looking forward to staying connected with you and your esteemed institution for more such collaborations.

Principal
K. G. Rewatkar
Principal
Vidya Vikas Art's Commerce
& Science College, Samudrapur
Dist. Wardha 442305

K. G. Rewatkar
Warm regards,
Dr. K. G. Rewatkar
Principal,
Vidya Vikas Arts, Commerce and
Science College, Samudrapur,
Dist. Wardha (Maharashtra)



देशोन्नती

पर्यावरण संवर्धनसाठी सामूहिक प्रयत्न करणे गरजेचे : वैज्ञानिक डॉ. हेमंत भेरवाणी

देशोन्नती वृत्तसंकलन...

जि प उच्च प्राथमिक शाळेत तज्ञांची कार्यशाळा

समुद्रपूर: स्थानिक पी. एम. श्री. जिल्हा परिषद उच्च प्राथमिक केंद्र शाळा समुद्रपूर येथे केंद्रसरकारअनुदानितयोजनेतूनआंतरराष्ट्रीय तज्ञ मार्गदर्शन कार्यशाळा संपन्न झाली.

प्रधानमंत्री स्कूल फॉर रायजिंग इंडिया अंतर्गत शाळेय विद्यार्थ्यांना विविध क्षेत्राचे ज्ञान द्यावे. योजनेतील सहा पिलर वर काग करता यावे. सर्व क्षेत्रातील बाबींचे ज्ञान द्यावे. या दृष्टिकोनातून डॉ. हेमंत भेरवाणी ज्येष्ठ वैज्ञानिक पर्यावरण संस्था, नौरी नगरपूर यांचे मार्गदर्शन कार्यशाळा घेण्यात आली. यावेळी पर्यावरणरक्षणसाठी सामूहिकप्रयत्नांचीगरज असल्याचे नमूद केले. कार्यक्रमाच्या प्रमुख अतिथी डॉ. नयना शिरभाते, सचिव



विद्याविकास शिक्षण संस्था, समुद्रपूर यांनी निसर्गातील विविध जैवविविधता या विषयावर मार्गदर्शन केले. कार्यक्रमात सतीश

शिरपूरकर, मोटिवेशनल स्पीकर, सोनाली दगरे, वैदिक गणित तज्ञ यांनी सुद्धा मार्गदर्शन केले. शाळेय विद्यार्थ्यांसोबत तसेच विद्याविकास

महाविद्यालय समुद्रपूर येथील प्राध्यापक व संशोधन करणाऱ्या विद्यार्थ्यांशी चर्चासत्र घेण्यात आले.

कार्यक्रमात राशनकुमार दुबे गटविकास अधिकारी, अशोक गिंदेवार गटशिक्षणाधिकारी, सावसाकडे, सहाय्यक गटविकास अधिकारी, पंढरी गायकवाड मुख्याध्यापक, विविध शाळांचे शिक्षक उपस्थित होते. कार्यक्रमाचे संयोजक नरेश वाघ यांनी प्रस्तावितकातून भूमिका व उद्देश सांगितला. कार्यक्रमाचे संचालन प्रवीण धुत, पाहुण्यांचा परिचय राजेंद्र साबळे तर आभारप्रदर्शन आशिष ठेकन यांनी केले. कार्यक्रमाच्या यशस्वीतेकरिता स्वाती जांभुळे, वर्षा बोमले, प्राची बोदाडे, रंजना वरखेडे, आशा ठवळे यांनी सहकार्य केले. तालुका प्रतिनिधी

Wardha Edition

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