Report of one day workshop on We- The future of Interdisciplinary Science"

30-11-2021

Organised by

Department of Physics

Govt Post Graduate College Berinag Pithoragarh

with

Vigyan Shaala International

Parton : Prof. C.D. Suntha Principal Govt Post Graduate College Berinag Pithoragarh

Coordinators: **Dr. Garima Punetha, Assistant Professor of Physics**

Dr. Lalit Singh, Assistant Professor of Physics

Guest Speaker: **Dr. Darshana Joshi (PhD from University of Cambridge)**

Founder and CEO of Vigyan Shaala International

Title: **"We- The future of Interdisciplinary Science"**

Report of one day workshop on "We- The future of Interdisciplinary Science"

STEM education refers to the integrated teaching and learning of the subjects science, technology, engineering, and mathematics. STEM education is usually presented through hands-on and relevant real-world learning experiences. STEM is important because it teaches critical thinking skills and instills a passion for innovation. Beyond the benefit of learning science, technology, engineering, and math, STEM assists in the problem-solving and exploratory learning that fuel success across a variety of tasks and disciplines.

Inaugural Function

The programme was chaired by Dr. Garima Punetha who expressed her happiness for Chairing the opening ceremony of the workshop on "**We- The future of Interdisciplinary Science**"" in the college jointly organised by Department of Physics, Govt post graduate College Berinag and Vigyanshaala International. The program started with inaugural function by lightening of lamp along with the welcome note by Prof. C. D. Suntha. In his brief address he emphasized on the importance of the study of STEM education as it gives people skills that make them more employable and motivates and inspires young people to generate new technologies and ideas. The guest speaker Dr. Darshana Joshi has a vast experience working in the STEM and in interdisciplinary research. She obtained a PhD in Physics from Cavendish Laboratory, University of Cambridge. For her doctoral work, she was awarded the prestigious Schlumberger Foundation's Faculty for the Future Fellowship for women from developing countries and the Nehru Trust for Cambridge University Scholarship.

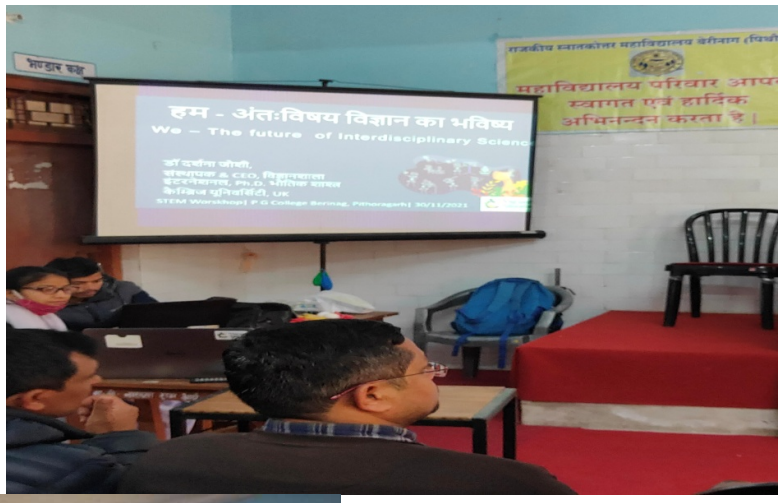
Outcome of the Programme

- Demonstration based lecture on Interdisciplinary Science.
- Hands on DNA extraction.
- Presentation of various projects by STEM Champions from P G College Berinag
- Students presented various models made by them and shared their experiences working with Vigyan Shaala.
- Phone Microscope, Alcohol sensor, Pulse and heart rate sensor, Winegradsky column models and various other models were presented by STEM champions.
- A brief overview onMoth Diversity were also presented by STEM champions.
- Various experiments were demonstrated using RDNO, Arduino and Breadboard.
- Emphasis was given for STEM-Enhanced Teamwork and Communication.

Valedictory Session:

Lastly, students raised their doubts and related queries and subsequently the guest speaker cleared all the doubts of the students and also motivated them immensely for the career ahead in STEM. She created a welcoming learning environment for the students and encouraged students to interact positively. She encourages students towards spatial reasoning, thinking, problem solving and creativity.

Photographs



राजकीय स्नातकोत्तर महाविद्यालय बेरीनाग (पिथौरागढ़)
महाविद्यालय परिवार आपका
स्वागत एवं हार्दिक
अभिनन्दन करता है।
की उड़ान - तीन महत्त्वपूर्ण स्तम्भ
CAREER COUNSELLING
GUIDANCE AND PLACEMENT PROGRAM
DAY & DATE:
TIME:
Govt. P.G. College
WELCOMES

Acknowlegments

We would like to extend our immense gratitude to the guest speaker, Dr. Darshana Joshi for accepting our request for the conduction of workshop. We are also thankful to all the students of various disciplines as well as the faculty members for attending the programme. Dr. L. D. Mishra, Dr. J. Pant, Dr. Pawan Tamta, Dr. Beena Lohiya, Dr. B.S. Bisht, Dr. Lalit Singh Rawat, Dr. Kanchan Bhandari, Mrs. Lata Sanwal and Ms. Kalpana Joshi actively participated in the workshop. Finally, we would like to extend our sincere thanks to each and everyone who were directly or indirectly involved in making the lecture successful.

By,
Dr. Garima Punetha
(Coordinator)
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