NationalScienceDayCelebration

06-28Febraury2024

Theme
IndigenousTechnologiesforViksitBharat

CatalysedandSupportedby



ChhattisgarhCouncilofScienceandTechnologyRaipurC.G.
And
NCSTC,DST,Govt.Of India,NewDelhi



Organisedby
Department of Physics and Electronics
Rajeev Gandhi Government Post Graduate College
Ambikapur Sarguja Chhattisgarh

Rajeev Gandhi Government Post Graduate College Ambikapur Sarguja Chitchatting

Sr..../College/Phy/NSD-2024

Date 04/06/2024

National Science Day celebration

06 - 28 February -2024

To whom it may concern

This is to certify that according letter No. 1383/CCOST/2024, Raipur, dated 01/02/2024 received from Chitchatting Council of Science and Technology, Dalal Sconi Vidhan Sabha Road Raipur C.G. sanction the proposal for organizing the National Science Day celebration from 06 February to 28 February 2024 for theme mention as <u>Indigenous Technology for Vikshit Bharat 2024</u>. The programme is organized according to guidelines given by Chitchatting council of Science and Technology Raipur and NCSTC, DST, Govt of India, New Delhi.

Dr S.K.Srivastva

Convenor

Dr Rizwan Ullah

Principa

ORGANIZING COMMITTEE

Patron

Dr Rizwan Ullah Principal

Convenor

Dr.S.K.Shrivastava. Prof and Head, Department of Physics

Co-Conveners

Mrs. Saroj Tirkey, HOD Chemistry
Dr. Jermina Tirkey, HOD Zoology
Dr.Sangeeta Pandey, HOD Mathematics
Dr M.K.Maurya Asstt Prof Physics
Ms. Monika Xess, HOD Computer Sc
Mr Chetan Kumar HOD Comp App
Ms Anjuja Kujur Asstt Prof. Botany
Mrs Kiran Minz Asstt Prof. Physics

Program Schedule

Name of Activity	Date	Conducting Department
Science Talk	09/02/2024	Department of Mathematics
Science and	12/02/2024	Department of Physics
Science Project making	15/02/2024	Department ofBotany
Science and	17/02/2024	Department of Zoology
Screening of Scientific	19/02/2024	Department of Com.Science
Vigyan Utsav and Science Day	28/02/2024	Department of Chemistry
	Science Talk Science and Technology Quiz Science Project making competition Science and Technology Exhibition Screening of Scientific Film Vigyan Utsav	Science Talk Science and 12/02/2024 Science Project making competition Science and Technology Exhibition Science and Technology Exhibition Screening of Scientific Film Vigyan Utsav and Science Day Science Talk 09/02/2024 17/02/2024 17/02/2024 28/02/2024

Activity No. 1 09/02/2024

Science Talk

Introduction:

Science talk is an instructional discourse practice that capitalizes on this enthusiasm and gives students regular and deliberate opportunities to process their thinking and communicate about what they have seen and done.

Objectives:

Science talk supports Science Learning by (1) Providing opportunities to clarify thoughts, generate conclusions, develop theories and ask new questions (ii) To discuss about science concept, reflect on what they are learning or to be challenged to explore the science concept even further.

About Mathematics Department.

The Department of Mathematics Rajiv Gandhi Govt. P.G. College Ambikapur has conducted this programm. It is one & the oldest department of the college. In this Department PG classes and research faculty is available. The Department is headed by Dr. Sangeeta Pandey.

Topic of science Talk-

The topic of science talk is related to autobiography and Indigenous technology for Viksit Bharat.

- (1) Views of students on Viksit Bharat
- (2) Need and requirement of Indigenous technology for development of tribal youth of Chhattisgarh.

Total no of students Participated -1

Program Detail

Promoting 'Indigenous Technologies for Viksit Bharat' will help address global concerns and emphasise the need to make India 'Atmanirbhar' through science talk and contribution of

Indian scientist to nation. National Science Day 2024's theme is 'Indigenous Technologies for Viksit Bharat'. This has been chosen as the theme for National Science Day to emphasise the relevance of indigenous innovations and to showcase the work of Indian scientists. The science talk heralds a new age and provides an opportunity for the public and scientific community, both domestically and worldwide, to unite, collaborate, work, and contribute to the well-being of India and humanity.

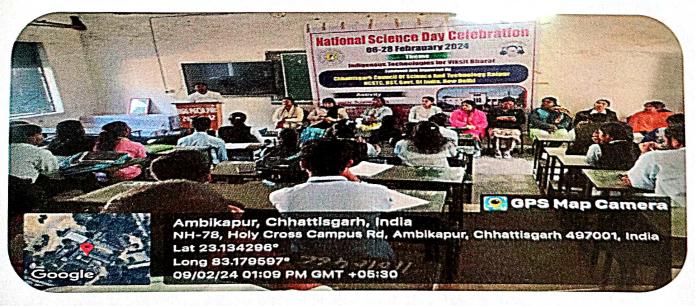
Promoting 'Indigenous Technologies for Viksit Bharat' will help address global concerns and emphasise the need to make India 'Atmanirbhar' through science, according to a statement released by the Union Ministry of Science and Technology.

The list of following students Participated and discuss about the Indigenous Technology

S.N.	Name of student	Topic	Rank
1	Abhishek Lakra	Dr. C.V.Raman	
2	Aradhana Tiwari	Dr.APJ Abdul Kalam	
3	Surojeet Paul	Sriniwas Ramanujan	111
4	Vaibhav Gupta	Dr. Tessy Thomas	
5	Supriya Bhagat	Dr.APJ Abdul Kalam	
6	Parmanand Gupta	Dr. C.V.Raman	
7	Aashish Gupta	Dr. MS Swaminathan	
8	Aamna Khatun	Dr.APJ Abdul Kalam	, .
9	Ravindra Kumar	Satyendranath Boss	
10	Sonu Lal	Science and Technology	
11	Satyam Yadav	Vikram Sarabhai	
12	Abhishek Xalxo	Birbal Sahni I	
13	Shivam Sharma	Dr. Homi J bhabha	
14	Vandana Yadav	J.C.Bose	
15	Ashutosh Painkra	S.N.Bose	
16	Bhumika Keshri	Chandra Shekhar	
17	Pramila Yadav	Mendal	
18	Sadhna Ekka	Environment and Ecology	
19	Himnandini Singh	Environment and Ecology	11.5
20	Priyanshu Singh	Environment and Ecology	
21	Satyam Yadav	Environment and Ecology	









Conclusion.

The participated students belong to UG and PG Students of RGPG college Ambikapur. This activity provides the students a plate form to discuss about recent technology for Indigenous Technology for Viksit Bharat. The discussion will made keeping the following points in view

- 1. Contribution of Indian Scientist in respect of Vikshit Bharat
- 2. Technology adopted for vikshit bharat
- 3. How to express our idea for vikshit bhart
- 4. Indigenous technology

Activities No 2

Date 12/02/2024

Science and Technology Quiz

Introduction-

A quiz refers to a short test of knowledge typically around objective questions with questions formats often including multiple choice, fill in the blanks, true or false and short Answer. - A quiz is much Shorter Than a traditional test or exam and is impactful on a final Course grade.

objectives.

The objectives of this activity to popularize about Indigenous technology for Viksit Bharat and its future perspectives. The main objectives of this program is to check the knowledge of students about recent technology and how they identify this for Viksit Bharat.

About Department

Department & Physics and electronics is one the oldest department & College. The department have conducted both UG and PG programme and Ph.D research Centre for research activity. Many Students have completed research is this department.

Pattern of Quiz

The questions based on Indigenous technology and recent technology used in present scenario and is future aspects.

The Students are divided in three groups A, B and C. The question asked in these groups and displayed to other groups if not answered. There were 5 rounds and each round contained 2 questions for each team. Each question carried 10 points and time was 30 second.

Tolal number of Student Participated:

Program detail:

The Description of students participated are as follows:

Group A: First Runner up

S.n.	Name of Students	class
1	Aradhana Tiwari	B.Sc.III Sem Maths
2	Naureen Saba	B.Sc.III Sem Maths
3	Nahid Saba Ansari	B.Sc.III Sem Maths
4	Tabassum Ansari	B.Sc.III Sem Maths
5	Shreya Pathak	M.Sc.III Sem Zoology
6	Vandana Yadav	M.Sc.III Sem Zoology
7	Ashutosh Painkra	M.Sc.III Sem Zoology
8	Bhumika Keshri	M.Sc.III Sem Zoology
9	Pramila Yadav	M.Sc.III Sem Physics
10	Sadhna Ekka	M.Sc.III Sem Physics
11	Himnandini Singh	M.Sc.III Sem Physics
12	Priyanshu Singh	M.Sc.III Sem Physics
3	Satyam Yadav	M.Sc.III Sem Physics
4	Kavita Prajapati	M.Sc.III Sem Physics
5	Sandhya Xess	M.Sc.I Sem Physics
6	Manbodh Singh	B.A. I Sem

Group B: Winner

5. n.	Name of Students	class
	Vishal Kerketta	M.Sc. 1 Sem Zoology
nati	Parmanand Gupta	B.Sc. III Sem Maths
A Section	Vaibhav Gupta	B.Sc. III Sem Maths
11111	Priyanka Singh Chouhan	M.Sc.III Sem Physics
	Manisha	M.Sc.III Sem Physics
	Sushma Rathore	M.Sc.III Sem Physics
	Kumar Singh Painkra	M.Sc.III Sem Physics
	Tushar Nishad	M.Sc.I Sem Physics
	Neha Gupta	M.Sc.I Sem Physics
<u>)</u>	Nancy Kashyap	M.Sc.I Sem Physics
	Manu Yadav	M.Sc.I Sem Physics
)]	Akilesh Yadav	B.A.I Sem
ur i i	Basant Ram	B.Sc. I Sem Maths

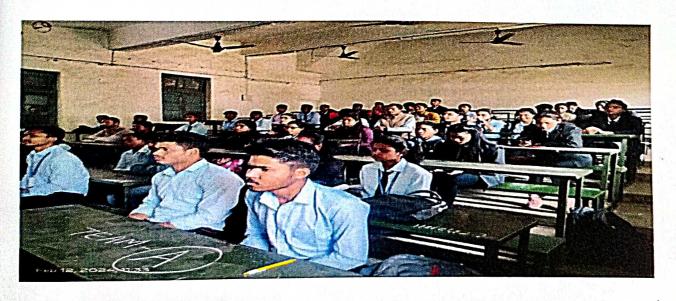
Group C: Second Runner up

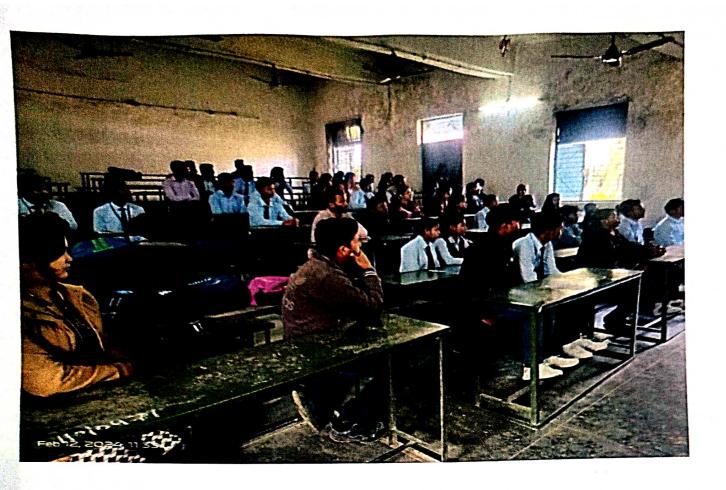
Name of Students	class
Deepak Singh	M.Sc.I Sem Physics
Anujeet Tigga	M.Sc. I Sem Zoology
Rajeev Kumar	M.Sc. I Sem Zoology
Aditya	M.Sc. I Sem Zoology
Suresh Kumar	M.Sc.I Sem Physics
Sonulal	M.Sc.I Sem Physics
Nitesh Kumar Chouhan	M.Sc.I Sem Physics
Shubham Gupta	M.Sc.I Sem Physics
Kashish Parveen	B.Sc.III Sem Maths
Muskan Tiwari	B.Sc.III Sem Maths
Murari Thakur	M.Sc.III Sem Physics
Anukant Lakra	M.Sc.III Sem Physics

Program Photographs









Conclusion

Quiz is one of the best tool for students to help with concentration, identify gaps in knowledge, build confidence and help students retain information. What's more - they're fun!

All the UG and PG students of every science department were participated in quiz competition.

All the faculty of science were present in the quiz competition to inspire and motivate students to explore the indigenous technologies for viksit Bharat.

Activity No. 3

Project Making Competition

Introduction:

The project competition provides an excellent opportunity to the students to showcase their talent, research orientation and untapped potential. The goal of this competition is to prepare the future generation of engineers not only problem solvers but to be innovative leaders and

responsible citizens for viksit Bharat. The student deserves recognition of the amount of hard

work done for the project. Project enables students and faculty to transform their learning

into knowledge, knowledge into action, action into practice.

Objectives:

The objectives of this activity to stimulate students to work on project based on indigenous technologies for viksit Bharat and to understand best practices and demonstration of diverse project, new innovations, etc. The essential goal of running student project competitions is

helping students validate their skills and knowledge.

About Department

Project Ming competition will be organized by the Department of Botany Rajiv Gandu govt P.G.College Ambkipur. It is one of the oldest department of the college. This department having research Centre for research work and documentation of medicinal plants.

Judging criteria for project making competition

There were three criteria for judgment:

1.Creativity

2. Scientific Thought

3. Presentation and clarity.

Each criteria carried 10 points.

S.N.	Name of student	Project Name	Kank
1	Pramila Yadav	The life cycle of star	111
2	Sadhna Ekka	The life cycle of star	
3	Satyam Yadav	The life cycle of star	
4	Himnandini Singh	Science and technology	
5	Priyanshu Singh	Science and technology	
6	Sushma Rathore	Science and technology	
7	Muskan	Mitosis and Meiosis	
8	Ayushi Yadav	Mitosis and Meiosis	
9	Annu Kushwaha	Global Warming	III
10	Babita Kushwaha	Global Warming	
11	Rajiv Kumar	Watson and Cricks Double Helix DNA Model	
12	Vishal Kerketta	Watson and Cricks Double Helix DNA Model	
13	Rakesh Kumar	Watson and Cricks Double Helix DNA Model	
14	Sumeet Kumar	Watson and Cricks Double Helix DNA Model	
15	Madhu Agaria	Watson and Cricks Double Helix DNA Model	
16	Sarita	Watson and Cricks Double Helix DNA Model	The state of the s
7	Anshu Kushwaha	DNA cloning	
8	Pratiksha Bhagat	DNA cloning	
.9	Anshumala	Farming in artificial light and drip irrigation	I

20	Jeony Grace Xalxo	Farming in artificial light and drip irrigation	
21	Vaibhav Gupta	Electrochemical cell	II
22	Anjali Bhardwaj	Electrochemical cell	
23	Alok Kumar	Electrochemical cell	4-1
24	Aradhna Tiwari	Electrochemical cell	
25	Permanand Gupta	Electrochemical cell	
26	Chhtrapal Rajwade	Electrochemical cell	Market State
27	Pankaj Maravi	Electrochemical cell	
28	Chanchal Gupta	Electrochemical cell	
29	Vineeta Yadav	Plant cell	
30	Anjali Yadav	Plant cell	
31	Sangeeta Rajwade	Plant cell	
32	Arti Kaushik	Plant cell	
33	Kunti Bai	Plant cell	
34	Sonarani	Plant cell	
35	Puja Rajwade	Plant cell	
36	Preeti Lakra	Plant cell	
37	Haseena Xaxa	Plant cell	

Photographs:



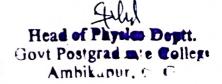






Conclusion

In conclusion, the project making competition was a great experience because it was different from things we typically do. It was interesting to see how some of our students made projects based on indigenous technology. It really made us focus and be more time-orientated when it came to the indigenous technology for viksit Bharat. Students of all the science streams were participated in this competition.



Actitivity No -4

Science Exhibition

Introduction

ランドンショックラ

A science exhibition is a wonderful tool that engages students in learning new facts, It develops in them the curiosity to learn more and more. It provides a platform for the students to use their scientific knowledge and bring the best invention from their brains. It also allows students to work together in groups and learn from each other. They share their ideas and collectively galvanize those ideas to bring something innovative into implementation. This further allows the students to develop their social and moral skills and make them a better team player.

Objectives

The main purpose of these exhibitions is to educate and engage students and individuals by showcasing and explaining concepts, discoveries, innovations, and experiments. They aim to enhance people's understanding of the world and the scientific method while sparking curiosity and promoting science literacy. The main purpose is to provide the opportunity to the students to showcase their creative ideas so that their creativity can be nurtured well.

About Zoology Department

The department of Zoology has conducted science exhibition at Rajeev Gandhi Govt Post Graduate college Ambikapur. Head of the department is Dr. Jermina Tirkey. Post graduate classes and research centre are available in this department.

Total Number of Participants: 44

Prgram Detail

The list students participated in Science Exhibition

S.N.	Name of Student	Topic	Rank	ng daga salah perada kan sajar dari dari dari dari dari dari dari da
ī	Bhumika Keshri	Central Dogma	TIT	ause delige station observations in the second state of the second state of the second state of the second state of the second s
2	Shreya Pathak			
3	Vandana Yadav			
4	Shreya Singh	And the common of the common o		
5	Aushutosh Painkra	Circulatory System	ſ	
6	Mahima Gupta			
7	Komal Prajapati			
8	Afreen Nisha			
9	Anuradha Yadav			
10 -	Kavita Painkra			
11	Nuri Taj	3.29.0	7	
12	Pratiksha	Human Neoron		
13	Priyanka			
14	Pratiksha	Kidney working model	II	
15	Amisha Patel	model		
16	Priyanshi Kerketta			
7	Anjali	Plant cell	74	
8	Vinita			
9	Rajeev	Climate change and	III	
0	Madhu Agaria	waste management	TE	
1	Sarita	,		
2	Pooja		Control of the Contro	
3	Kajal			
4	Vishal			

25	Archana		
26	Anujeet		
27	Sumit		
28	Vaibhav Prasad Gupta	Electrolyte cell	
29	Chhatrapal Rajwade		
30	Permanand Gupta		
31	Aradhna Tiwari		
32	Pankaj Maravi		
33	Palak Kanwar		
34	Anjali Bhardwaj		
35	Annu Kushwaha	Global Warming	
36	Babita Kushwaha		
37	Anshu Kushwaha	Endogenous insect	
38	Anshu and Jeony		
39	Durga		
40	Nipansi		
41	Sangeeta		
42	Shivani		
43	Reena		
44	Priyanka Sonwani	E4 (**	20 20

Photographs:





Conclusion:

Science exhibition held at Rajeev Gandhi Govt. Post Graduate College Ambikapur.lt was conducted by Department of Zoology. Students of all science streams were participated in the exhibition which **increased students' curiosity, encouraging hands-on learning and cultivating interest** in science. The primary purpose of the exhibition is to showcase the scientific knowledge and creativity of the students. The exhibition provided an opportunity for students to display their scientific projects, experiments, and models based on indigenous technology for Viksit Bharat.

Actitivity No -4

Screening of ScientificFilm

Date: 19/02/2024

Conducted by: Department of Computer Science

Introduction:

As a part of the month long celebration of National Science Day 2024. Film Screening on "Ramanujan" was conducted today highlighting the contribution of Indian scientists and the glorious history of Indian Institute of Science, Bengaluru.. It is conducted by Department of Computer Science and Computer Application of Rajeev Gandhi Govt PG college Ambikapur.

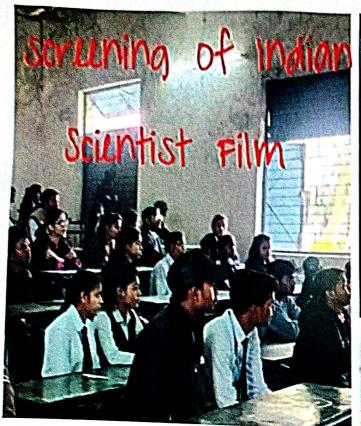
Objectives

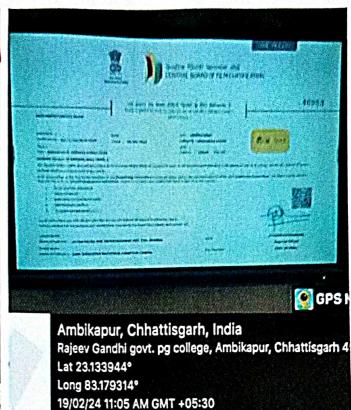
Films are visually and viscerally appealing. They enable their viewers to engage with and understand stories with both their minds and hearts. films revolving around scientific themes have the potential to introduce scientific ideas to new audiences and even boost the interests of present scientists and other scientifically-inclined people. A scientific film can stimulate comprehensive discussions of science itself as it reaches a wide-range of audiences. Thus, film is an effective platform of communicating science.

About Computer Science Department

The department of Computer Scienceand Computer Application have conducted Film Screening on "Ramanujan" at Rajeev Gandhi Govt Post Graduate college Ambikapur. Head of the Computer Science department is Miss Monica Xess and Head of the Computer Application is Mr. Chetan Painkra. Post graduate classes and research centre are available in this department.

Photographs:











Conclusion:

In conclusion, the Screening of scientific film is an excellent medium for science communication, and much of its potential has yet to be mined. In this activity, Film Ramanujan has shown where life of Indian scientist and his contributions through the entire life has been focused . The film was left its broad impact whoever was present in this activity.

Actitivity No -5

Activity- Vigyan Utsav

Date - 28/02/2024

National Science day is celebrated on the theme indigenous technology for viksit Bharat. This day was conducted by department of Chemistry, Rajeev Gandhi Govt Post Graduate College Ambikapur. Chief Guest of this program was Dr. Sushil Kashyap, Principal Govt Science College Ambikapur and guest of honour was Dr. Dheeraj Ku Yadav, HOD Farm Forestry UTD Sant Gahira Guru university Surguja Ambikapur. Welcome note was given by Saroj Tirkey HOD Department of Chemistry.

Dr. Dheeraj Ku Yadav, HOD Farm Forestry UTD Sant Gahira Guru university Surguja Ambikapur presented his lecture on the theme indigenous technology for viksit Bharat. He focused on ISRO and Online banking and UPI.

Dr. Sushil Kashyap, Principal Govt Science College Ambikapur focused onSir CV Raman and his invention of Raman Effect.

At last Dr. S.K. Srivastava Convenor and HOD department of Physics, concluded with ancient science in India which are used in modern science and technology.

Conclusion:

At the end of the program all the certificates and medals were distributed for all the students participated in various activities conducted in science day celebration from 6th-28th February 2024.

PHOTOGRAPHS OF SCIENCE DAY





























Statement of Expenditure

5.No.	Date	Name of Activity	No of Science Teaching Staff	No of Students	Total	Rate	Amour
) [09/02/2024	Science Talk	12	21	33	30	0900
)2	12/02/2024	Science and	13	27	40	30	1200
)3	15/02/2024	Technology Quiz Science Project making competition	07	30	37	30	1100
)4	17/02/2024	Science and TechnologyExhibition	05	35	40	30	1200
)5	19/02/2024	Screening of Scientific Film	17	53	70	30	2100
)6	28/02/2024	Vigyan Utsav and Science Day Celebration	20	187	207		6200
	Total	Celebration					12,700

S.No.	Name of Item	Amount
	Printing Materials (Certificate, Invitation, Poster)	06500.00
01		06300.00
02	Banner and Flex	07500.00
03	Prize distribution	12700.00
)4	Breakfast	02000.00
)5	Audit Fee	35,000.00
otal	Thirty five thousand Only	