

Name of Anveshika & Location

Event No	Date	Title of the event & venue	Resource Persons/Technical Team
1. FOCUS-IAPT Anveshika, Vizianagaram, Andhra Pradesh Coordinator: Shri J. Chand			
1	26/09/20	LEARNING BY DOING ELECTRICITY AND MAGNETISM YouTube Live Department of Physics, Andhra Loyola College, Vijayawada-8 Department of Physics, Govt. Degree & PG College – Salur Jointly Organizing a Webinar	Sri. U Lakshmana Suri Science Promotor, IAPT Life member
2	21/02/21	National Science Day Celebrations 2021 Theme: Future of STI; Impacts on Education, Skills & Work. Rotary Club of Vizianagaram	Dr. J. Chandrasekhar Rao Lecturer in Physics, Govt.Degree College Salur
3	25/02/21	National Science Day Celebrations 2021 Theme: Future of STI; Impacts on Education, Skills & Work. Govt. Degree College Salur, Vizianagaram	Dr. J. Chandrasekhar Rao Lecturer in Physics, Govt.Degree College Salur
2.PATNA-IAPT Anveshika, Patna, Bihar Coordinator: Dr Rakesh Kumar Singh			
1	1/7/20	Innovations, Entrepreneurship in Science for sustainable development, Patna	Sri Viay Praksh, Chairman cum CEO, Atal Incubation center, Patna; Dr. P. Karn, Chief operating officer, Vihar Vidyapeeth, Patna; Dr. Rakesh kr Singh, Head-academic, nanotechnology center, AKU, patna
2	11/08/20	Tagore International Literature and Arts Festival, Bhagwanpur, Baishali, Bihar	Director, C V Raman University, baishali, Bihar and Dr. Rakesh kr Singh, AKU, Patna
3	15/11/20	Learning Physics and its Applications	Dr. Satosh kr

4	10/12/20	Understanding principal of science through low cost experiment and its impact on Research and development , Venue- Madhepura through webinar	DEO, Madhepura; Sri Krishna kr, coordinatore, Science for Society, Madhepura, Bihar, Dr. Kumari Nimisha, member, national coordinator, NCSTC network, Delhi
5	16/12/20	learning Physics through experiment at R N College, hazipur	Dr. Santosh kr and Dr. B Naraan
6	14/1/21	Learning Physics through low cost/No cost experiment, Vaenue- Kurshakata Block, Araria district	Dr. Rakesh kr Singh
7	17/02/21	Innovative method of learning science	Dr. Santosh kr
8	22/02/21	Understanding principal of science through low cost experiment and its impact on Research and development	Coordinator of orientation course and Dr. Rakesh kr Singh, AKU, Patna
9	28/02/21	National Science day, Organized by Sri Krishna Science center, Patna	Director, Sri Krishna center Patna, Director, Science and technology, Govt. of Bihar, Education officer and Dr. Rakesh kr Singh

3. SIWAN-IAPT Anveshika, Siwan, Bihar Coordinator: Shri Rajiv Ranjan

1	22-09-2020	Anveshika Siwan	Rajiv Ranjan, Ankita
2	28-09-2020	Anveshika Siwan	Rajiv Ranjan, Ankita, Israt
3	10/06/20	Flourish Tuition Academy	Kishan Kumar
4	11/03/20	Arya Kanya High School, Siwan	Puja Kumari, Rajiv Ranjan
5	11/11/20	Arya Kanya High School, Siwan	Puja Kumari, Rajiv Ranjan
6	27-12-2020	Anveshika Siwan	Rajiv Ranjan, Ankita, Israt
7	3Feb to 24 Feb-2021	Anveshika Siwan	Rajiv Ranjan, Ankita, Megha, Kishan, Aditya Ranjan

4. SSB-IAPT Anveshika, Bhilawadi, Maharashtra Coordinator: Shri Gajanan Patil

1	15-May-20	Covid -19 -Pracautions, Symptoms and remedies.	Dr. R.D.Patil
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2	18-Jun-20	Workshop on Solar Eclipse	Gajanan Patil, Mahesh Pujari, Prakash Patil
2	21-Jun-20	Solar Eclipse	Mr. G.B. Patil, Mr. M.S. Pujari & Mrs. Jayshree Patil
3	27-Feb-21	Science day Celebration	Mr. Gajanan Patil, Surya Dhanavade, Dinkar Jagadale
4	28-Feb-21	Science Day Lecture	Dr. Shrikant Chavan, Gajanan Patil

5. OHM-IAPT Anveshika, Gwalior, Madhya Pradesh Coordinator: Shri Devendra Patil

1	from April 2020 to Feb 2021	Demonstrations to XI / XII students of KV No.1 Gwalior, online from Anveshika Gwalior	D P Sharma
2	28/02/21	Demonstrations to teachers & students	D P Sharma

6. Pt GDV-IAPT Anveshika, Dehradun Coordinator: Shri Rohit Sharma

1	17/09/20	Science Popularisation through experiments, Graphic Era University, Dehradun	Rohit Sharma, Dr Fathe Singh Gill
2	27/12/20	Sunday Club, DAV Public School Dehradun	Rohit Sharma
3	26/02/21	science show, DAV Public School, Dehradun	Mr. Rohit Sharma, Mr, Mahesh Rawat, Mrs Varsha Dhar, Mrs. Seema Joshi, Mrs. Ritu Singh, Mrs. Seema Nandrajog, Mrs. Shelly Bhatia

7. MITRA- IAPT Anveshika, Lucknow, UP Coordinator: Shri R K Mitra

1	22/11/20	Science Festival Section of Lucknow University Centenary Celebration (20/11/20 -24/11/20)	Dr. R.K. Mitra

8. Go & GO-IAPT Anveshika, Auraiya, UP Coordinator: Shri Brajesh Dixit

1	09/06/20	WEBINAR ON SCIENCE TEACHING IN MODERN ERA	BRAJESH DIXIT , CHANDRA MAULI JHOSHI,DR KAPIL TRIPATHI,ANJANI BANIK,S.P JAISWAL
2	13/09/2020	NATIONAL LEVEL QUIZ NO -1, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
3	20/09/2020	NATIONAL LEVEL QUIZ NO -2, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
4	25/09/2020	WEBINAR ON SCIENCE TEACHING IN MODERN ERA: HANDS ON EXPERIMENTS	BRAJESH DIXIT , RAM BABU DIXIT
5	27/09/2020	NATIONAL LEVELQUIZ NO -3, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
6	10/04/20	NATIONAL LEVELQUIZ NO -4, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
7	10/11/20	NATIONAL LEVELQUIZ NO -5, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
9	15/10/2020	DISTRICT LEVEL SANCHARI ROG WEBINAR	BRAJESH DIXIT,DR VIMAL
8	18/10/2020	NATIONAL LEVELQUIZ NO -6, ANVESHKA GO& GO	BRAJESH DIXIT , RAM BABU DIXIT
9	20/10/2020	VELEDATORY,GOPAL INTER COL AURAIYA	BRAJESH DIXIT, BHARAT GUPTA
10	17/01/2021	NATIONAL LEVEL QUIZ NO -7, ANVESHKA GO& GO	BRAJESH DIXIT , CHANDRA MAULI JHOSHI,DR B K TYAGI
11	21/12/2020	ASTRONOMY DAY,ON THE ROOF OFANVESHKA GO& GO	BRAJESH DIXIT

9. SGM-IAPT Anveshika Coordinator: Shri Amit Bajpai

1	7th June 2020	First Sunday Club, Online	Dr. H. C. Verma, Mr. Manish Yadav, Mr. Sanjay K Singh, Mr. Mohit Singh and Mr. Vikas
2	5th July 2020	First Sunday Club, Online	Dr. H. C. Verma, Mr. Amit Kumar Bajpai, Dr. D. C. Gupta, Mr. Abhishek Das

3	2nd August 2020	First Sunday Club, Online	Dr. H. C. Verma, Dr. D. C. Gupta, Mr. Abhishek Das, Ms. Neha Katiyar, Mr. Chandan Shukla
4	6th September 2020	First Sunday Club, Online	Dr H. C. Verma
5	4th October 2020	First Sunday Club, Online	Dr. H. C. Verma, Mrs. Pragya Nopany
6	8th November 2020	First Sunday Club, Online	Dr. H. C. Verma
7	6th December 2020	First Sunday Club, Physically Meeting at Sopan Ashram in Gyandayani Open Air Lab	Dr.H. C. Verma, Ms. Neha Katiyar, Mr. Yogesh K. Jha, Mr. Amit Kumar Bajpai
8	3rd January 2021	First Sunday Club, Physically Meeting at Sopan Ashram in Gyandayani Open Air Lab	Dr.H. C. Verma, Ms. Neha Katiyar, Mr. Yogesh K. Jha, Mr. Amit Kumar Bajpai
9	7th February	First Sunday Club, Physically Meeting at Sopan Ashram in Gyandayani Open Air Lab	Dr.H. C. Verma, Ms. Neha Katiyar, Mr. Yogesh K. Jha, Mr. Amit Kumar Bajpai
10	22nd December 2020	National Science Teachers Congress	Mr. Amit Kumar Bajpai
11	21-23 January 2021	Visit, Sopan Ashram	Dr. H. C. Verma, Amit K Bajpai, Yogesh Kumar Jha
12	28th February 2021	Celebration National Science Day- Vigyan Mela	Dr. H. C. Verma, Mr. Amit Kumar Bajpai, Mr. Yogesh K Jha, and volunteers of Shiksha Sopan

10. VARADI-IAPT Anveshika, Jaipur Coordinator: Shri G S Menaria

1	15/09/2020	SEEING IS BELIEVING, STREAMLINE, JAIPUR	G.S. MENARIA
2	10/11/20	UNDERSTANDING PHYSICS THROUGH EXPERIMENTS, SWAMI VIVEKANAND GOVT. MODEL SCHOOL, BARISADRI, RAJASTHAN	G.S. MENARIA

3	12/12/20	SEEING IS BELIEVING, ST. TERESA'S SCHOOL, JAIPUR	G.S. MENARIA
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11. Happy-IAPT Anveshika, Jammu Coordinator: Shri Mineesh Gulati

1	28/11/20	India international science festival 2020 J&K	Mineesh Gulati
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13. BVN-IAPT Anveshika, Delhi Coordinator: Smt Pragya Nopany

1	02/07/20	Delhi NWUPT Group Meet - Online	Alka Gupta, Kirti Saini, Nitin Varshneya, Preeti Arora, Sakshi Malik
2	06/07/20	Multiple Reflection & Space Angle - an online webinar organised by BVN-Anveshika	Prof Sarmistha Sahu
3	18/07/20	Smart Lab in Hand I - An online webinar organised by BVN-Anveshika	Mrs Neeraj Taneja
4	25/07/20	Delhi NWUPT Group July Meet - Online	Vani Ranga
5	12/08/20	Exploring science through activities - an online webinar organised by The Indian School, Delhi	Pragya Nopany
6	22/08/20	Delhi NWUPT Group Aug Meet - Online	Pragya Nopany
7	24/08/20	Newton's Laws of Motion & Misconceptions	Pragya Nopany
8	29/08/20	Smart Lab in Hand II- An online webinar organised by BVN-Anveshika	Mrs Neeraj Taneja

9	26/09/20	Delhi NWUPT Group Sept Meet - Online	Ms Padmaja
10	03/09/20	Komorebi II	Dr Rajeev Tyagi
11	24/10/20	Delhi NWUPT Group Oct Meet - Online	Gulfam Ahmed
12	28/11/20	Delhi NWUPT Group Nov Meet - Online	Gulfam Ahmed
13	26/12/20	Delhi NWUPT Group Dec Meet - Online	Manisha Aggarwal
14	23/01/21	Delhi NWUPT Group Jan Meet - Online	Vinita Sharat & Gulfam Ahmed
15	04/02/21	Misconceptions in Newton's Laws of Motion - An online webinar Organised in association with Swami Sant Das Public School, Jalandhar	Pragya Nopany
16	09/02/21	Misconceptions in Newton's Laws of Motion - An online webinar Organised in association with Army Public School, Ahmednagar	Pragya Nopany

Nature of The Event	No. of Teachers attended	No. of Students attended
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Ireshekhhar Rao

ONLINE	21	246
OFFLINE	4	52
OFFLINE	7	61

State level seminar	8	39
Webinar organized on the occasion of Tagore festival	12	60
Workshop	7	40

District level workshop of Madhepura, Bihar	22	17
Wrkshops	10	30
Interaction to rural School students, Kurshakata block of Araria district of Bihar	20	2
Seminar	10	45
Orientation course of faculty of Colleges/universiti	48	0
Science workshops	75	15

Science Show	2	16
Science Show	3	14
Physics Demo	2	24
Physics Practical	2	50
Physics Practical	2	89
Science Show	3	22
Science Practical	5	88

Zoom Meeting	12	45
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Zoom Meeting	19	53
Zoom Meeting	21	67
Science Quiz	35	350
Offline in the hall with care of covid - 19 precautions	10	42

rasad Sharma

Demonstrations of Physics Experiments & Concepts	5	126
Celebration of National Science Day	105	214

Online	4	165
offline	2	14
Offline	15	90

Demo Lecture with Anveshika Articles	10	100
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ON LINE	39	569
VEDIO BASED QUIZ	19	140
VEDIO BASED QUIZ	8	41
HANDS ON EXPERIMENTS	5	765
VEDIO BASED QUIZ	12	100
VEDIO BASED QUIZ	17	124
VEDIO BASED QUIZ	18	42
ON LINE	70	0
VEDIO BASED QUIZ	10	130
RESULT OF QUIZ1-6	7	5
VEDIO BASED QUIZ	10	70
BY TELESCOPE	25	150

Discussion in FSC whatsapp group,	15	NA
Online on Zoom	21	NA

Online on Zoom	18	NA
Online on Zoom	26	NA
Online on Zoom	16	NA
Online on Zoom	20	NA
Meeting	14	NA
Meeting	22	NA
Meeting	23	NA
Teachers interaction	120	NA
Interaction with Students		105
Vigyan Mela		650

Online	0	70
Online	6	230

Online	4	56
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Online Physics Demo	40	200
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Induction program for new members	20	Nil
An interschool teachers training program	28	Nil
A interschool training program for PGTs of Delhi-NCR	30	Nil
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	12	Nil
A program for middle school students during the science week of the school	5	230
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	11	Nil
An interactive session for class XI students of BVN	1	63
Teachers training session with PGTs of Delhi-NCR	50	Nil

A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	32	Nil
An interschool teachers training program	33	66
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	21	Nil
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	8	Nil
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	15	Nil
A monthly meet for enrichment of NWUPT trained teachers of Delhi-NCR	10	Nil
Teachers training for physics PGTs of Punjab	52	Nil
Teachers training for physics PGTs of Maharashtra	70	Nil

Highlights

We showed Electricity & Magnetism fundamental concepts through live demonstration experiments

Demonstrated Mechanics & Optics fundamental concepts

Demonstrated Mechanics & Optics fundamental concepts

#NAME?

Students and faculty members were inspired through various scientific innovations for creating scientific human resource.

The main objective of this seminar is to motivate Science and Engineering graduates for learn basic principal of science for its various applications in the field of science and Technology.

The main objective of this workshop was to motivate young minds and teachers of secondary and higher secondary school students for creating scientific culture through experiment/research.

School students enjoyed the session and demanded the low cost kit.

This session was organized by UGC-Human resource center of Patna university. Faculty members of rural based colleges in universities of Bihar shown special interest to start Anveshika in their colleges.

On the occasion of national science day, to show the basic principle of science through experiment particularly from Light and Electricity section.

Mega Project for Class IX Students

to give awareness about solar eclipse,workshop and demo was arranged.

On the occasion of Partial eclipse , this informative program was arranged.

In Progress, link is shared with students and open it 28-2-2021, Certificates will be given to Successful students

In Progress.

Demonstrations of Potentiometer working principle using heater coil, V-I characteristics of p-n junction in forward bias & in reverse bias using bread board, working of meter bridge using bread board, concept of Vernier callipers, damped/ forced oscillations and resonance, playing with vectors using cd & motor, like charges repel/unlike charges attract, electroscope, standing waves using chimta and string, etc using whatsapp and youtube channel during online classes

Demonstrations of Bernoulli's principle , magnetic field of a current carrying coil, standing waves on string, resonance, sikka kare takk, match box/coin, weightless, longitudinal and transverse waves on slinky, double cone seems to climb etc. using youtube channel

Demonstrations on light, EMI

Experiments based on pressure and force were demonstrated, show was mythBuster.

It was held with full Covid 19 protocol (face Mask with social distancing)I was allotted only 1 Hour but due to students' demand I delivered my activities for one and half hours. For that ,I was given A Certificate of Appreciations.

Resorce persons deliverd his thouths to all ,in own field
VEDIO BASED QUIZ on wvedio no Q-1
VEDIO BASED QUIZ on wvedio no Q-2
HANDS ON EXPERIMENTS OFPHYSICS
VEDIO BASED QUIZ on wvedio no Q-3
VEDIO BASED QUIZ on wvedio no Q-4
VEDIO BASED QUIZ on wvedio no Q-5
p p t presentation as vedio shown to all Principals of inter college of Distt Auraiya
VEDIO BASED QUIZ on wvedio no Q-6
GOLD,SILVER,BRONZE MEDAL OF JUNIOR&SENIOR LEVEL GIVEN
VEDIO BASED QUIZ on wvedio no Q-7
CONJCTION OF SATURN & JUPITOR LIVE ON FACE BOOK
Teachers from Auraiya prepared videos for this session specially. Q/A starts after watching the video
Discussion on paper burning and some people make a group to understand on which condistions paper burns fast, Is it depending on the structure, materils, etc

We have completed 7 successful years of FSC, so we shared our views, experience and suggestions also
Question Answer through stories, Science behind stories
Measurement of the diameter of the Sun using convex lens, and Measurement of the angle between magnetic pole and geographical pole
Static charge through plastic table and dry grass
how much is one radian? We demonstrated on the field, why we take $\sin\theta$ is θ for small angles.
Demonstrated on the platform of NTSC and participated as resource person in IISF 2021
Ohmkarshwar Vidya Niketan school visited
Around 600 people visited the Science Fair from 10.30 AM to 4.30 PM

Student interacted and enjoyed.
Student shared their previous knowledge of topic discussed, asked many questions and enjoyed.

Students actively participated in each activity.

1.5 hour Lecture-demonstration included demonstration of hands on science experiments from mechanics, waves n oscillations, emi , optics , Bernoulli's theorem etc

5 new memebers who attended NWUPT 20-20 on recommendation by BVN-IAPT Anveshika were inducted in the team after they made presentations of their learning.

Very innovative method of measuring space angle. Participants were highly appreciative.

A program about how to use sensors in mobile phone to collect data and carry out innovative experiments in physics

A wonderful discussion on heat, acceleration initiated by Ms Vani Ranga

Online activities and demonstrations on different capabilities of human body and applications in other fields which the students found very engaging

An interesting discussion on physics on Ganesha Chaturthi through Ganesha - the elephant God, the God of gravity and the God of Gana

Misconceptions were brought out through live demonstrations and discussed in detail

A program on how to use sensors in mobile phone to collect data and carry out innovative experiments in physics

A special session on Design Thinking . Ms Padmaja of Creya Foundation of Vishakhapattanam shared her expertise and involved participants in some very enjoyable design thinking.

Program highly appreciated by participants from 33 schools for the kind of demonstrations as a follow up to logical questions arising in mind.

Great presentation on centre of mass and other concepts from rotation.

Wonderful presentation on design of train wheels for greater stability. Robust inputs from the members.

Wonderful presentation on dropping of a plastic bottle which generated heated debate on the mechanism involved and a great learning.

Amazing presentation on creating star constellations which was a great hands on activity and thorough enjoyed by all. A good food for thought.

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