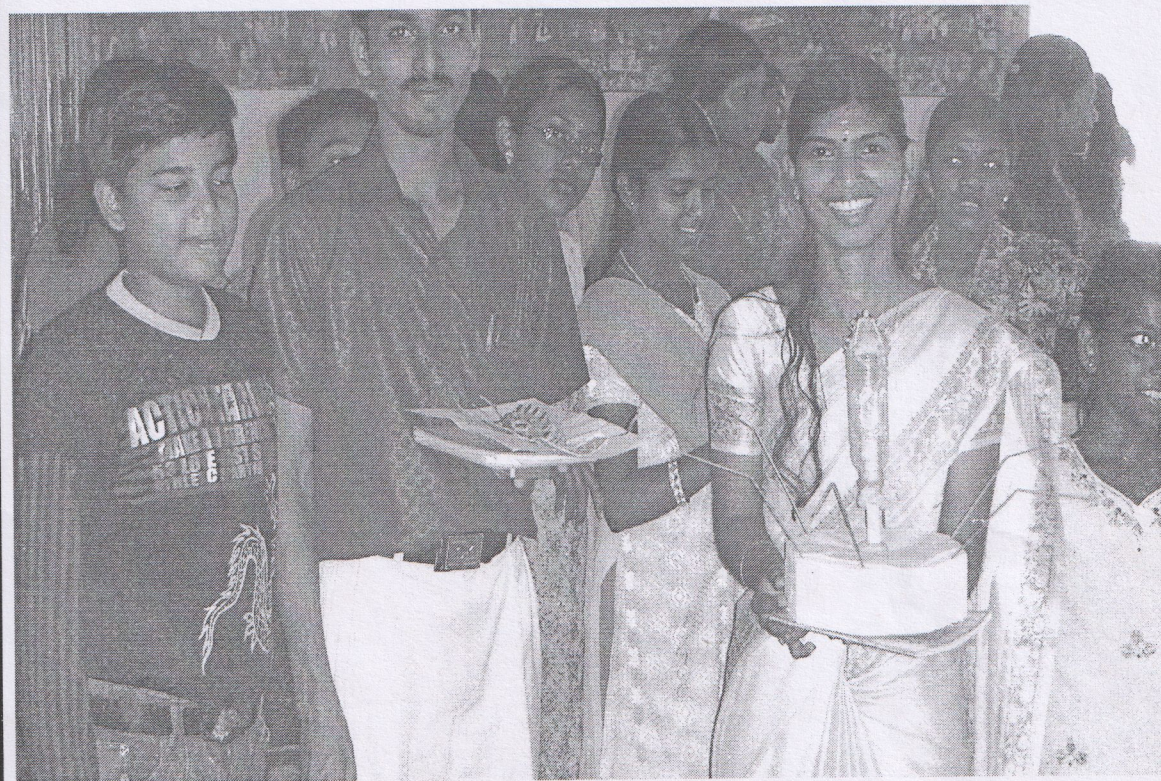


Workshop for Teachers and students to create a Scientific Temper

Date : 18.04.2011 - 22.04.2011



Organised by : Vivekananda Kendra - *nardar*
Technology Resource Center
Kanyakumari - 629 702.

Sponsored by: Department of Science &
Technology,
New Delhi.

o/c

Workshop for Teachers and students to create a scientific temper

01. **Name of the Organisation** : Vivekananda Kendra - NARDEP
Kalluvillai, Kanyakumari District
02. **Sponsored by** : Department of Science and Technology
New Delhi.
03. **Duration** : Five days
04. **Dates** : 18.04.2011 - 22.04.2011
05. **Place** : Technology Resource Center, Kalluvillai,
Kanyakumari District, Tamilnadu.
06. **Participants** : 24 - (Teachers)
33 - (Students) - Annexure - I
07. **Communication Method** : 1. Interactive Lectures
2. Discussion
3. Experiments
4. Making toys having scientific principles
08. **Syllabus** : Science experiments suitable for 6 - 11 Standard
students
09. **Faculty and subjects covered** : See Annexure II
10. **Feed back from the Participants** : Annexure III



"To create a Scientific temper in the minds of School Children and Teachers"

Participants list

Sl.no.	Name and address	Cell no.	Signature
1	P. Vijaya lakshmi XA Vivekananda Kendra Vidyalaya Kanyakumari	9245604197	P. Vijaya lakshmi
2	Gr. R. Usha XA Vivekananda Kendra Vidyalaya Kanyakumari	9787758399	Ush
3	R. Preetha VIII A Vivekananda Kendra Vidyalaya Kanyakumari	9487275505	Preetha
4	G. Pon Abisha III B Vivekananda Kendra Vidyalaya Kanyakumari	9943839270	G. Pon Abisha
5	G. R. Vigneshwarai VIII B Vivekananda Kendra - Kanyakumari Vidyalaya	9787758399	Vigneshwarai
6	S. Sushitha IX Gnanadeepam Matric. Hr. Sec. school Agastheswararam	9443993856	S. Sushitha

**"To create a Scientific temper in the minds of School
Children and Teachers"**

Participants list

Sl.no.	Name and address	Cell no.	Signature
7.	M. Siva Sabari VIII C Vivekananda Kendra Vidyalaya Kanyakumari	9787758138	M. Siva Sabari
8	M. Hari Haran VII B V. K. Vidyalaya Kanyakumari	9443877005	M. Hariharan
9	R. Vijith Arun IX A VKV Kanyakumari	9488084935	R. Vijith Arun
10.	P. A. Subbalekshmi IX V. K. V Kanyakumari	9442856570	
11	M. Taraki Devi IX. B Vivekananda Kendra Vidyalaya Kanyakumari	9486942769	Devi
12	M. Gowtham VII. B Vivekananda Kendra Vidyalaya	9486942769	M. Gowtham

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Participants list

Sl.no.	Name and address	Cell no.	Signature
13	P. Rabin VIII A Vivekananda Kendra Vidyalaya & Kanyakumari		P. Rabin
14	K.P. Anun VIII A Vivekananda Kendra Vidyalaya Kanyakumari	9788498846	K.P. Anun.
15	R. Raheesh Sekar IX A vivekananda kendra vidyalaya Kanya, KUMORI	9245811428	R. Raheesh Sekar
16	R. Babaji IX A vivekananda kendra vidyalaya Kanyakumari	9487275505	R. Babaji
17	C. Dhinesh VIII Vivekananda Kendra Vidyalaya Kanyakumari	946973	C. Dhinesh
18	S. Subath VI Granadeepam Matric Hr. Sec School Agastheeswaram.		S. Subath

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Participants list

Sl.no.	Name and address	Cell no.	Signature
19	M. Abinaya Lekshmi IX A Vivekananda Kendra Vidyalaya, Kanyakumari	8220220781	M. Abinaya
20	B. Bala Selvam IXA Vivekananda Kendra Vidyalaya, Kanyakumari	9488504748	B. Bala Selvam
21	M. Abina IX B Vivekananda Kendra Vidyalaya, Kanyakumari	9448173267	M. Abina
22	T. G. Radhika IX A Vivekananda Kendra Vidyalaya, Kanyakumari	9789766686	Radhika
23	J. Mary Jerniya IXA Vivekananda Kendra Vidhyalaya, Kanyakumari	9848515908	Jerniya
24	E. Anna Lekshmi IX A Vivekananda Kendra Vidhyalaya, K-k	9529632093	E. Anna Lekshmi

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Participants list

Sl.no.	Name and address	Cell no.	Signature
25	N. Prathuka. X A Vivekananda Kendra Vidyalaya Kanyakumari	9894962382	N. Prathuka
26	N. Jayakha VI B Vivekananda Kendra Vidyalaya Kanyakumari	9894962382	N. Jayakha
27	C. Sona VI B Vivekananda Kendra Vidyalaya Kanyakumari	9843524673	C. Sona
28	AISWARIYA.N. +2 (Humanities) ERNAKULAM (Kerala).	0465 2- 270240	Aiswarya
29	J. Barath TVB Nat Granddeepam Matric Hr. Sch. School.		J. Barath
30	M. Navoshitha IVB VKV Kanyakumari		M. NAVOSHITHA

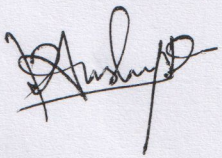
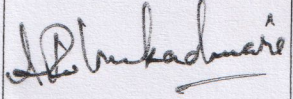
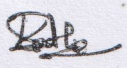
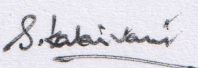
**"To create a Scientific temper in the minds of School
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Participants list

Sl.no.	Name and address	Cell no.	Signature
31	J. Babu VI B Girana Deepam Matriculation Hr. Sec. School	9443173219	Babu
32	S. Tharshini X A Vivekananda Kendra Vidyalyaya Kanyakumari	246538	S. Tharshini
33	M. Natin Duraishekhar VIII - B Vivekananda Kendra vidyalaya, Kanyakumari	246528	M. Natin

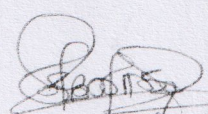
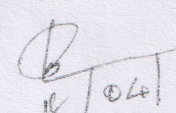
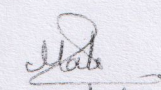
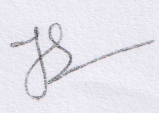
**"To create a Scientific temper in the minds of School
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Participants list

Sl.no.	Name and address	Cell no.	Signature
1.	Y. Chitra 17/9, Ezhagaram st Vallioor.	9677998061	
2.	K. Rajavalli 77, Bokkarathas Kovil st Vallioor	7639493223	K. Rajavall
3	P. Anunya Devi VKV Kanyakumari	9487641703	
4	A.R. Venkadeswari VKV. Kanya kumari	9688778319	
5	F. Rathi VK.V Kanya kumari	9500394903	
6	S. KalaiVani N.K.V. Kanyakumari	9698890273	

**"To create a Scientific temper in the minds of School
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Participants list

Sl.no.	Name and address	Cell no.	Signature
7	R. Bawa V.K.V Kanyakumari	9865492260	R. Bawa
8	K. MEENAKSHI S.M.R.V. Hr. Sec. School, Vadasery	9442523726	 18/04/11
9	V. Sivarigai Snouinal S.M.R.V. Hr. Sec. School Vadasery	9442009213	 18/04/11
10	R. Mala S.M.R.V. Hr. Sec. School Vadasery	9944223096	 18/4/11
11.	U.S. Kasthuri S.N.M. Hindu Vidyalaya NGL	9952245151	U.S.
12.	J. Saroja S.N.M. Hindu Vidyalaya N.G.L	9025837739	

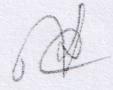
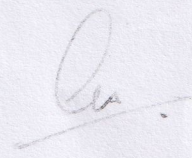
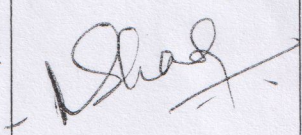
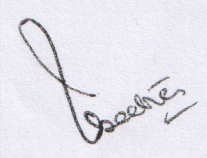
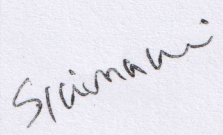
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Participants list

Sl.no.	Name and address	Cell no.	Signature
13	K. Rajan V.K MHSS Vallioor	9698120696	K. Rajan
14	S. Ramamurthy V. K.M.H.S.S Vallioor	9789384655	S. Ram.
15	A. MAHARAJAN V.K.V. M. Hr. Sec. School Vallioor.	9944532872	A. Mahan
16	B. SREENIVASA PERUMAL V.K.V. M. Hr. Sec. School Vallioor.	9677831410	B. Sreenivas
17	H. HEMA LATHA V.K.V. Kanyakumari	9788242764	H. Hema
18	K. Rajukumar, V.K.V. Kanyakumari	9894213503	K. Rajukumar

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Participants list

Sl.no.	Name and address	Cell no.	Signature
19	P. Venkila S.V.M. Hindu vidyalaya. ngl	94489118640	
20	C. Anu V.K.V. Mat. Hr. Sec. School Kanya Kumari	8012171525	
21	L.R. Meena, V.K.V. Mat. Hr. Sec. Sl. Kanyakumari.	9486041460	
22	A. Ravichandran Gandhigram Rural university Dindigul	9840463244	
23	GREETHA VELUSWAMY Coimbatore.	94434984 84	
24	திரு. சி. சி. சி. சி. சி. தென்மேல்புறம் கொழும்பு.	270 240	

S.No & Date	Name & Address of the faculty	Subject covered	High lights
01. 18.4.2011	Shri.Veluswamy Retd. Principal Vivekananda Kendra Vidyalaya Arunachalapradesh	Importance of Ichcha Sakthi, Gnana Sakthi and Kriya sakthi	Inaugurated the workshop
02. 18.4.2011	Dr.Usharaja Nandhini Asst. Professor Dept. of Bio technology Noor Islam College Kanyakumari	5 Es 1. Engage 2. Explore 3. Explain 4. Elaborate and 5. Evaluate.	Played different games, group activity with the help of locally available resources
03. 19.4.2011	Shri.Sridharan Retd. Prof. Pioneer Kumarasamy College Nagercoil	Chemistry.	Relationship between velocity and pressure
04. 19.4.2011	Shri.Rameshan Manager Indian Space Research Organisation (ISRO) Tirunelveli District	Role of Satellite in daily life.	Power point presentation
05. 20.4.2011	Dr.Usharaja Nandhini Asst. Professor Dept. of Bio technology Noor Islam College Kanyakumari	Different types of worms and pest mainly on cotton.	Showed video clips & Group work
06. 20.4.2011	Dr.Ganapathy Vivekananda Kendra – NARDEP Kanyakumari & Maruthuvar.V.Thenkarai Maharajapillai	Magic plants ?. No, Science behind magic.	Demonstrated more than 15 plants. Documented on Video.
07. 21.4.2011	Smt.Subulekshmi Teacher Vivekananda Kendra Vidyalaya Kanyakumari	Physics in daily life	Practical demonstration.

S.No & Date	Name & Address of the faculty	Subject covered	High lights
8. 21.4.2011	S.Abraham Lingam Principal Vivekananda Kendra Vidyalaya M.H.S.School, Kanyakumari	Effective teaching skills, mainly science subjects.	Thinking skill. Social skill and negotiation.
09. 22.4.2011	Shri.Velusamy Scientist ISRO Tirunelveli District	Relationship between science and spirituality	Explained importance of vitamins by way of song and dance.
10. 22.4.2011	Shri.Ingersol Scientist ISRO Tirunelveli District	Relationship between science and technology	Power point presentation
11. 22.4.2011	Dr.Usha Raja Nandini Asst. Professor Dept. of Bio technology Noor Islam College Kanyakumari	Herbal plants and its importance	Played game for understating the concept of DNA
12. 22.4.2011 Valedictory session	Dr.Lakshmi Kumari President Vivekananda Kendra Vedic Vision Foundation, Kerala	Swami Vivekananda and scientific temper	PowerPoint presentation

Feedback.

Workshop for teachers to create a scientific temper, was a camp arranged between 18th to 22nd April. It was specially arranged for the teachers and students. This five days also we utilized in an useful manner. Through this camp, many resourced persons came and shared their ideas. We gathered many information about Bio-technology, chemical experiments, physical experiments, audio-visual aids. We learned many active games. This camp was very enthusiastic and inspiring for the students.

M. Siva Sabari
V.K.V. Kanyakumari

- * Five days very are very happy
- * The Food which was supplied is also very nice.
- * Teachers are friendly with us.
- * We got more new friends
- * We got more botanical name it is useful for us.
- * I think some more day this camp was continued means it will very happy to us.
- * Our stage fear is reduced.

1. It is an amazing opportunity to get and develop different types of skills to teach and learn Scientific knowledge.
 2. Like last year camp it did not insist only about one subject like Physics.
 3. But we got skills and ideas about Chemistry, Physics, Biotechnology, Medicine Space science, Teaching skills and Herbal magic.
 4. It also motivates us to protect our resources, rights and to be pride (proud) as an Indian.
 5. I got an experience to teach a topic with enthusiasm by applying games and enjoyed with songs.
- We used
- We spent the time usefully in this camps.
6. It was the chance to felt the meaning of Kural, "நான் ஒருவர் பற்றிப் பேசும்போது நான் உன்னைப் போன்றவர்களைப் பற்றிச் சொல்லுகிறேன்."

Because ^{when} My student replied the
answers to ISRO scientist about space
topic I felt happy, because ~~that~~ what
that I taught to her.

By
V K V Teacher

I enjoyed this 5 days camp. and I gathered many informations from this camp about the science and also I enjoyed the Tea break and the lunch time. I enjoyed this with my close friend and my other friends. I also gained ^{knowledge} many new experiments and I also enjoyed to go to the Annapathi temple and I also like and I felt jolly while I was walking with my friend. to see all the places and to watch the flowers and plants. I enjoyed the games conducted by Madam. Usha. Most unforgettable thing in this is the arrangement that was made like ponds full of lotus.

there ~~was~~ ~~no~~ was many games conducted
by saraswati didi. and cannot forget
most ~~these~~ 18th to 22nd April 2011 is
my golden and memorable memories

by
M. Prothelka

V.X.V.

I am very happy that I attended this camp.

Here I was able to gather knowledge about the scientific temper. Here many persons were affectionate. & And I like this camp.

From this camp I met many friends and

I feel happy to be part of this camp.

I feel that the camp can be extended to many more days. I feel like being here. The five days camp was giving me a wonderful experience to me. Mam, Usha Raju Nandhini

was making the students happy, making them joy, giving many ideas, & it was really good. And I was able to know about the miracle of herbs that they expressed with the students. I ~~was~~ got to know about the satellites and uses of satellites. I was very happy to being part of this camp. And I also wanted to say about the food. The food was amazing. There were different and many varieties of food and it was very tasty. & ~~also thank~~

~~the~~ ~~cookers~~ ~~were~~ ~~to~~

I had no idea of going from here.

It was wonderful experience to me in this 5

days camp. The atmosphere was good and

I thank the Virekananada Kendra Naldep.

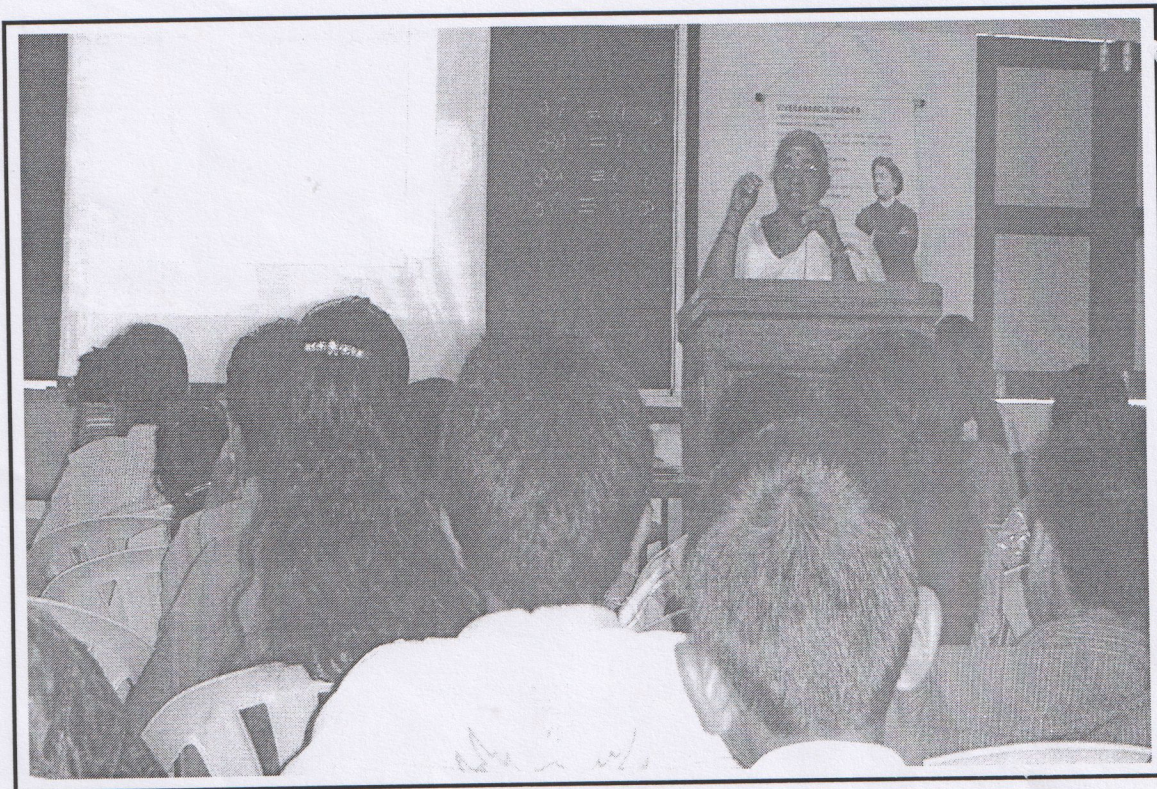
I feel happy.

T. Mary Jermay is

Virekananda Kendra

Vidhyalaya

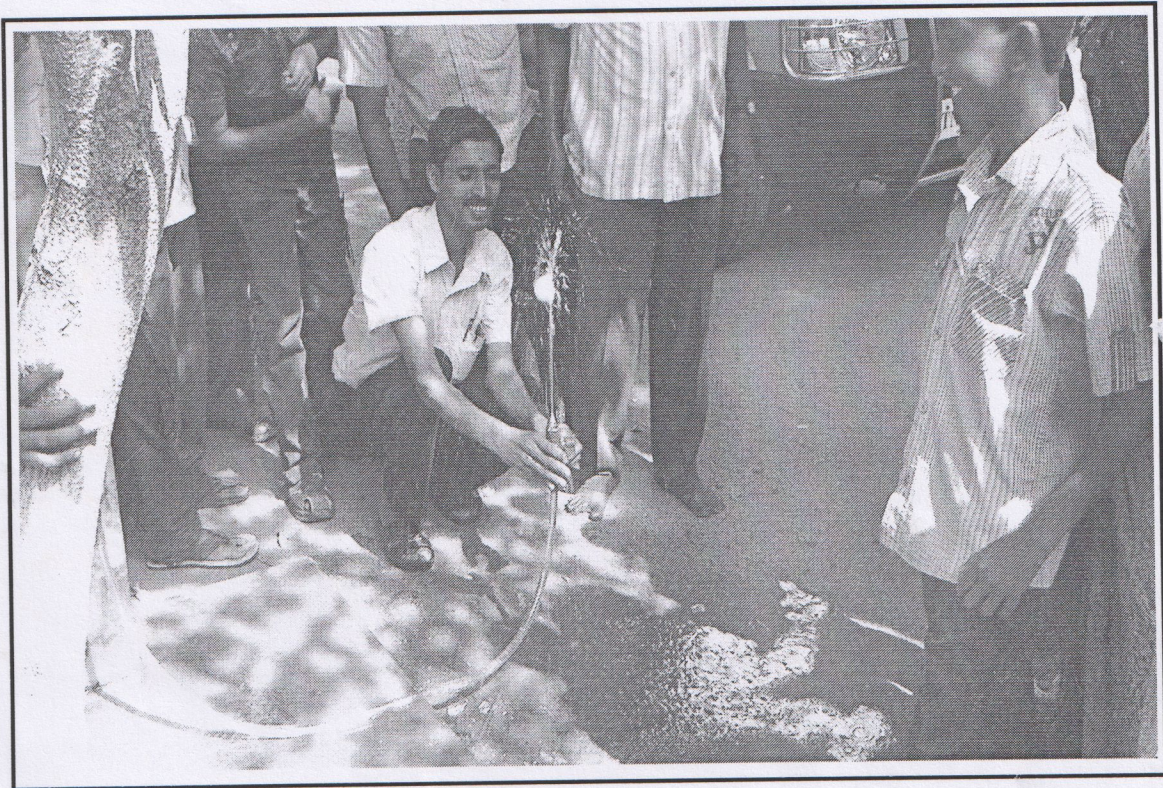
Kanyakurnari.



Dr.M.Lakshmi Kumari of Vedic Vision Foundation interacting with the teachers and students



Shri.Rameshan, Scientist from ISRO explaining the Satellite technology



Teachers trying their hands in experimenting with the pumping system



Smt. Subhulakshmi explaining Physics in daily life