

Workshop on "Capacity building of College students on New and Renewable Energy"

Date: 6th to 10th January, 2009



Organised by

Vivekananda Kendra – NARDEP

Technology Resource Centre

Kanyakumari – 629 702

Phone : 04652 - 246296



Sponsored by

MNRE, New Delhi

Workshop on “Capacity building of College students on New and Renewable Energy”

01. Name of the Organisation : Vivekananda Kendra - NARDEP
Kanyakumari – 629 702
02. Sponsored by : MNRE, New Delhi
03. Venue : Technology Resource Centre, Anajaneyapuram
04. Duration : 5 days
05. Dates : 6th to 10th February, 2009
06. Participants : 34 nos. **Annexure – I**
07. Communication method :
 - ❖ Interactive sessions
 - ❖ Group discussion and presentation
 - ❖ Street play
 - ❖ Reporting
 - ❖ Power point presentations
08. Daily routine : **Annexure – II**
09. Syllabus and Ressource persons etc. : **Annexure – III**
10. Highlights :
 - Apart from classroom interaction by the faculty members, participants visited the following place:
 - (i) Vivekananda Rock Memorial and Tiruvalluvar Statue
 - (ii) “Gramodaya Park for Right living” where different technologies have been depicted with the help of panels and live models.
 - (iii) Sun rise and sun set points at Kanyakumari
 - Participants regularly practiced yoga in the morning and played innovative awareness games in the night.
 - Participants enacted inspiration stories and stories with values in action.

➤ Participants were divided into 4 groups (**Annexure – IV**) and every group was given duties in turn such as:

- (i) Classroom arrangements
- (ii) Serving the food
- (iii) Inspiration story: **Refer earlier report**
- (iv) Story in action : **Refer earlier report**

11. Photo Gallery : **Annexure - V**



**"Capacity building of college students on
New and Renewable Energy"**

**Venue:- Technology Resource Center
Anjanayapuram, Kalluvilai**


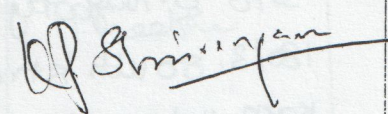
Date:-06-02-2009 -10-02-2009

Participants list

Sl.No	Name and Address of the participants	Signature
1.	தி. லாரிசுத்தா. [நல்கட்டிக்கல்] ITI மல்லந்தாதி சித்திராபுரம் மாணாபுரம் LPO3 அருவாபுரம் [வட்டி]	T. Murali
2.	ம. லாரிசுத்தா [நல்கட்டிக்கல்] சுமந்திராதி கிளப்பின்புரம் அருவாபுரம் [வட்டி]	M. Murali
3.	வி. கார்த்திக் சி. அ. அருவாபுரம் 1/37 மேற்கு கிளப்பின்புரம், சமீபத்தி. (PO), அருவாபுரம் கிளப்பின்புரம் கிளப்பின்புரம் [வட்டி], செவ்வட்டி.	V. Karthik 6/2/09
4.	R. முனிஸ்வரன் S.K. நாகேசுத்தா சுமந்திராதி கிளப்பின்புரம் அருவாபுரம் [வட்டி], கிளப்பின்புரம் [வட்டி], கிளப்பின்புரம்.	R. Murali
5.	ம. விநாயகாதி. S.K. நாகேசுத்தா மல்லந்தாதி கிளப்பின்புரம், கிளப்பின்புரம் (PO) கிளப்பின்புரம் [வட்டி] V. கிளப்பின்புரம் கிளப்பின்புரம்,	N. V. Karthik

6.	R. கிருஷ்ணமூர்த்தி S/o S. நாமநாதன், கீழங்கு றெடு. செம்பலடி, (PO), சுமங்குலேசுவரன் (வ) மெல்லு வருகாமன் (மெல்லு)	R. Krishnamoorthy
7.	M. சாந்தி w/o A. குமாரன் 14-1-236 அழகாபுரிபட்டணம் சாலை.	M. Santhimadasamy
8.	M. Bhavani I Bsc (Csc) D/o A. Madasamy. 14-1-236, Alagapuripattanam St, Surandai	M. Bhavani
9.	P. Saranya II BCA D/o R. Paramasivan 14-1-246, Alagapuripattanam St, Surandai	P. Saranya
10	M. Devikarumali II BCA D/o P. Muthaiah, 14-1-256, Alagapuripattanam St, Surandai	M. Devikarumali
11.	A. Greetha II Bsc (Maths) D/o A. Annamalai 2/93 Main Road Karuvarantha.	A. Greetha

12.	A. Karthika . I Bsc(IT) D/o R. Arichandran. 2/60 Vivekananda Nagar, Karuvantha.	A. Karthika
13.	M. Chithra D/o S. Maruthiah 10, Chekkadi Street Ilanji. Tenkasi (T.K)	M. Chi.
14.	R. SHANTHI D/o: A. Ramachandran, 835/743, Thoppupatti Street, Rajapalayam- 626117 Virudhunagar Dist.,	R. Shanthi
15.	S. SARASWATHI D/o P. Subburam, 7/9, middle street, Nachiar Patti, Srivilliputtur (TK) Virudhunagar Dist.	S. Saraswathi
16.	S. PRIYA D/o. P. Seenivasan 7/7 middle street Nachiar Patti, Srivilliputtur (T.k), virudhunagar (D.T).	S. Priya
17.	N. Balamurugeswari D/o S. Nagaraj. 180/3, South street, Kargakulam, Pillayarkulam (P) 626137 Srivilliputtur (T.K) Virudhunagar (D)	N. Bala

18.	<p>A. Murugeswari D/o S. Anumugam 1/34 Pattarai street, S. Ramalingapuram (PO) Rajapalayam (TK) Virudhunagar (DT) Pin: 626102</p>	A. Murugeswari
19.	<p>A. Umamakeshi W/o S. Anumugam 1/34 pattarai street, S. Ramalingapuram (PO) Rajapalayam (TK) Virudhunagar (DT) Pin: 626102</p>	A. Umamakeshi
20.	<p>N. Pandiammal W/o S. Nagaraj 180/3, South Street, Kangakulam, Pillayarkulam (P) 626137 Srivilliputhur (T.K) Virudhunagar (DT)</p>	N. Pandiammal.
21.	<p>G. NAGASAMY West Street Duraisamy puram. Pandavarmangalam (PO) Kosiriyathi - TK. Tuticorin Dist</p>	G. Nagasamy
22.	<p>V. PARAMAGURU. 53, Kadalur Road, Kankupatti</p>	V.P. 
23.	<p>K.P. SHRIRENGAN 103, MIDDLE STREET MELAHARAM (PO) TENKASI TALUK</p>	K.P. Shrinagan 

24.	R. சகந்தா, 7/19, சோடபுரம் பண்ணை தெருவினை, தஞ்சை தாமரை குளம் P.O. கும்பி மாவட்டம்.	R. Sakunthalu
25.	P. ராகினி 220/4 தபாலி நிலையத் தெரு, கலந்தபுரம் தென்னை மாவட்டம்	P. Rani
26.	R. பொன் செல்வி, 7/131A வடக்குத் தெரு, வடலிவிளை, தென்னை மாவட்டம்.	R. PonSelvi
27.	T. கிருஷ்ண வெனி 4/256, தெற்கு தெரு கலந்தபுரம் தென்னை மாவட்டம்.	T. Krishna Veni
28.	S. சிந்தாமணி 51/A, 1. திருத்தூத்து, 'A' நெடுமங்குடி தெரு, மன்னியூர், திருச்செங்கோடு மாவட்டம்.	S. Sindhamani
29.	S. சிந்தாமணி, 110B, திருத்தூத்து தெரு, மன்னியூர், திருச்செங்கோடு மாவட்டம்	S. Sindhamani

30.	V. Tarabiputhram 51, East Car St, Valliyoor - 627117	V. Tarabiputhram
31.	N. ALAGIRISAMY West St Gangaikondan Tirunelveli Dt 627352	<u>Alagir</u>
32	P. C. Lakshmi Mela St., Theroor (P.O) Suehlingur (V.19) K. K. P. M. L.	<u>P. C.</u>
33.	E. Abirami 6, Amman kovil street Puliyannagar TIR - (Dist)	<u>Abirami</u>
34.	M. Kannappasamy A-1-37 P. Mayan Koll St Sambavar Vada Kollam Ten Kasi - T. K P. N - 627856	M. Kannappasamy
35.		

Annexure - II

Daily Routine

Get up *	-	5.00 hrs.
Tea	-	5.15 hrs..
Stretching & Yoga	-	5.45 to 7.15 hrs.
Ablution	-	7.15 to 8.15 hrs.
Breakfast	-	8.15 to 9.00 hrs.
Inspiration	-	9.00 to 9.30 hrs.
Session - I	-	9.30 to 10.45 hrs.
Tea	-	10.45 to 11.00 hrs.
Session - II	-	11.00 to 12.00 hrs.
Session III	-	12.00 to 13.00 hrs.
Lunch and Rest	-	13.00 to 14.30 hrs
Environment in day today life	-	14.30 to 15.00 hrs.
Session-IV	-	15.00 to 16.00 hrs.
Tea	-	16.00 to 16.15 hrs.
Field Visits/ Session V	-	16.15 to 19.00 hrs
Dinner *	-	19.30 to 20.30 hrs.
Night Assembly	-	20.30 to 21.30hrs.
Recollecting the days activities	-	21:30 to 21:45 hrs
Lights Off	-	22.00 hrs



Annexure - III
Syllabus and Resource persons

Dates	Session I	Session II	Session III	Session IV	Session V
6.1.2009	10:00 - 11:00 Inaugural Programme	11:15 - 12:00 New and Renewable Energy" G.Vasudeo	12:00 - 13:00 Bio gas a Boon V.Muneeswaran	Biogas Slurry and Value added Products V.Muneeswaran	Visit: Technology Resource Center And Energy Park
7.1.2009	09:30 - 10:30 Global Warming and Carbon credits Shri.Krishnamoorthiji	11:00 - 12:00 Bio-Fuel S.Aravind	12:00 - 13:00 "Film on Renewable Energy"	Field Visits: Gramodaya Park and Demonstration models	
8.1.2009	09:30 - 10:30 Kitchen waste Biogas plant V.Ramakrishnan	11:00 - 12:00 Solar Energy - Thermal and Photovoltaic G.Vasudeo	12:00 - 13:00 Wind Energy Swami.Krishnananda	Visit: Wind farm, and Shakti surabhi models	
9.1.2009	09:30 - 10:30 Gasifiers S.Aravind	11:00 - 12:00 Govt.Schemes G.Vasudeo	12:00 - 13:00 Group Discussion On "Renewable Energy"	Visit: Vivekananda Rock Memorial and Tiruvalluvar statue	
10.1.2009	09:30 - 10:30 Energy Plantation Sis.Saraswathy	11:00 - 12:00 Smokeless Chula and Efficiency K.Kathiresan	12:00 - 13:00 "Energy conservation and Audit G.Vasudeo	02:00 - 03:30 Concluding Programme	

Annexure - IV

Duty chart

S.No	Description	DAY -1	DAY -2	DAY-3	DAY-4	DAY-5
1.	Food Serving	WATER	SKY	AIR	FIRE	EARTH
2.	Inspiration Story (Morning)	EARTH	WATER	SKY	AIR	FIRE
3.	Class Room Arrangement	FIRE	EARTH	WATER	SKY	AIR
4.	Stories in Action (Afternoon)	AIR	FIRE	EARTH	WATER	SKY
5.	Reporting	SKY	AIR	FIRE	EARTH	WATER

All the participants were split into 5 different groups named as Water, Sky, Air, Fire, and Earth. They were given responsibilities such as:

- ❖ **Class room arrangement** – Arranging chairs in order, black board, LCD projector, OHP, PA system etc. They also have to ensure flower pot on the Dias and drinking water for the faculty. The duty also includes arranging proper carpets for the yogasana class etc.

This helped in inculcating the value of labour and discipline among the students.

- ❖ **Food serving** - The batch has to serve the food during breakfast, lunch and dinner to other participants. In the process students learned the method of proper serving and how to avoid wastage of food.
- ❖ **Reporting** – Group has to report the activities of the day in details. This helped in inoculating the habit of writing notes properly and regularly. In addition, they developed the courage to present the report in front of the audience.
- ❖ **Inspiration stories** – Every day a new inspiration story was given to a group. They were asked to study the story and then enact in a group. This helped in unearthing the hidden talents in the students. This also helped in team building.
- ❖ **Stories in action** – We prescribed a book – Environment in day to day life (Tamil book enclosed) for enacting in a group. It has a wonderful effect as the students studied the few lessons from the book before presenting it in a drama form. After the presentation, facilitator gave critical comments on the performance and filled-up the gaps if any.

Annexure – V

Photo Gallery



Shri.V.Muneeswaran, Biogas Supervisor explaining the importance of Smokeless chula to the college students



Shri.Nagasami singing a folk song based on New and Renewable Energy



Sis. V. Saraswathi explaining the importance of Nursery and tree plantation



Street play based on "Environment in day today life"

Smt. Raghav explaining the use of biogas slurry in vermi compost



Participants observing the various models of biogas plant including a bamboo dome



Shri.Raghu explaining the use of biogas slurry in vermi compost



Solar drier a novelty for the college students



Shri.Krishnamoorthiji giving a Valedictory address