

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
Anjanayepuram, Kalluvilai**

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

Participants list

Sl.No	Name and Address of the participants	Signature
1.	<p>ச. பாரதநாயக். [நெஞ்சினிங்கல்] II மங்கலந்தெடி சென்ட்ரல் போஸ்ட் நாலாடு 1/PO கிராமம் 1/நெடு</p>	G. Mani Muthu
2.	<p>ம. மாருச்சாமி [நெஞ்சினிங்கல்] நாலாடு சென்ட்ரல் போஸ்ட் கிராமம் 1/நெடு</p>	M. Marimuthu
3.	<p>வ. கார்த்திக் 5/ அ. போஸ்ட் போஸ்ட் 1/ சென்ட்ரல் போஸ்ட், நாலாடு (PO), நாலாடு கூட்டுத் தலைவர் நாலாடு சென்ட்ரல் போஸ்ட்,</p>	V. Karthik 6/2/09
4.	<p>ர. முனிஸ்வரன் 2/ க. மாட்டேஷன் நாலாடு சென்ட்ரல் போஸ்ட் நாலாடு சென்ட்ரல் போஸ்ட்,</p>	R. muni swaran.
5.	<p>வ. வீராங்காமி. க. மாநாபனி, நாலாடு சென்ட்ரல் போஸ்ட் நாலாடு சென்ட்ரல் போஸ்ட் வ. கிருபா தாங்கி,</p>	V. Venkappa.

6.	R. Krishnamoorthy S/o S. Krishnamoorthy, விஜயகு தெட்டு. செய்யடி, (பேர்), குடியிருப்புத் தெல்லை (வ) புதுமலை (கோவை)	R. Krishnamoorthy
7.	M. Sankar w/o A. Madasamy 14-1-236 அநெடுப்புத்தெலை சிராண்ட்.	M. Sankar Madasamy
8.	M. Bhavani I BSc (CSc) D/o A. Madasamy. 14-1-236, Alagappipattamam St, Surandai	M. Bhavani
9.	P. Saranya. II BCA D/o R. Paramasivam 14-1-246, Alagappipattanam St, Surandai	Saranya P.
10	M. Devikarumari II BCA D/o P. Muthiah, 14-1-256, Alagappipattanam St, Surandai	M. Devikarumari
11.	A. Geetha II BSc (Maths); D/o A. Annamalai 2/93 Main Road Karuvalantha.	A. Geetha

12.	A. Karthika . I BSc(IT) D/o R. Arichandran. 2/60 Vivekananda Nagar, Karuvanthalai.	A. Karthika
13.	M. Chithra D/o S. Maruththia 10, chekkadi Street Talaiji. Tenkasi (T.k)	M. Chi.
14.	R. SHANTHI D/o: A. Ramachandran, 835/743, Thoppupatti Street, Rajapalayam- 626117 Virudhunagar Dist.,	R. Sh. Shanti
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. seemivasan 7/7. middle street NachiarPatti, Srivilliputtur (T.k), virudhunagar (D.T),	S. Priya
17.	N. Balamurugeswari D/o S. Nagaraj. 180/3, south street, Kangakulam, pillayarkulam (p) 626137 Srivilliputtur (T.k) virudhunagar (D)	N. Bala

18.	<p>A. Murugeswari D/o S. Arumugam 1/34 Pattarai street, S. Ramalingapuram (P.O) Rajapalayam (T.K) Vidudunagar (D.T) Pin: 626102</p>	<i>A. Murugeswari</i>
19.	<p>A. Almamalee W/o S. Arumugam 1/34 pattarai street, S. Ramalingapuram (P.O) Rajapalayam (T.K) vidudunagar (D.T) Pin: 626102</p>	<i>A. Almamalee</i>
20.	<p>N. Pandiammal W/o S. Nagaraj 18018, south street, Kangakulam, Pillayarkulam (P) 626137 Sri Villiputtur (T.K) Virudhunagar (D)</p>	<i>N. Pandiammal.</i>
21.	<p>G. NAGASAMY West street Duraisamy puram Pandiarmanagar (P.O) Kovilpatti - T.K. Tiruchirapalli Dist</p>	<i>G. Nagasamy</i>
22.	<p>V. PARAMBIRU 53, Kadambur Road, Kovilpatti</p>	<i>V. Parambiru</i>
23.	<p>K. P. SHRIRENGAM 103, MIDDLE STREET MELAHRAM (P.O) TENKASI TALUK</p>	<i>K. P. Shrirenjan</i>

24.	<p>R. சுகுந்தலா, 7/19, இசோட்டமணித்தூண் தெரிவியலை, தூண் நாமமை ரூம் P.O. முரி மாவட்டம்.</p>	R. Sakunthala
25.	<p>P. ப்ராக்திரி 220/4 நபாலி நிலையத்திலை, நல்தீர்த்தபதைய தநல்லை மாவட்டம்</p>	P. Prathi -
26.	<p>R. வூர்கண் பஷ்பி, 7/13/A வூட்டுநுற்று நகல், வூட்டுவிலையை, தநல்லை மாவட்டம்.</p>	R. P. Sekhi.
27.	<p>T. கிருஷ்ண வெந்தி 4/256, தத்துக்கு தத்து நல்தீர்த்தபதைய தநல்லை மாவட்டம்.</p>	T. krishna veni
28.	<p>சி. விஜயகாந்தன் 51/A, 1. திட்டத்தீடு, போதுமாக செல், உள்ளிட்டு திட்டங்களை மாவட்டம்.</p>	சி. விஜயகாந்தன்.
29.	<p>சி. சுதாகாந்தன் , 110/2, திட்டத் தூர் செல் , உள்ளிட்டு திட்டங்களை மாவட்டம்</p>	சி. சுதாகாந்தன்.

30.	V. Janaki pushram 51, East Car St, Valliyoor - 627117	V. Janaki pushram
31.	N. ALAGIRISAMY West St Gangai kondan Tirunelveli D ^b 627352	<u>Leung</u>
32	P. C. Lakshmi Mela St., Theruoy (P. o) Suelindrum (V. o) (C. I. C. D. U. T.)	<u>Per</u>
33.	E. Abirami 6, Amman Kovil street Puliyangara TTK - (Dist)	<u>Abirami</u>
34.	M. Komppasamy 4-1-37 P's Mayavi Kovil (St) Sambavadi Vada Kavai Tenkasi - T. K P. N - 627856	<u>M. Komppasamy</u>
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:

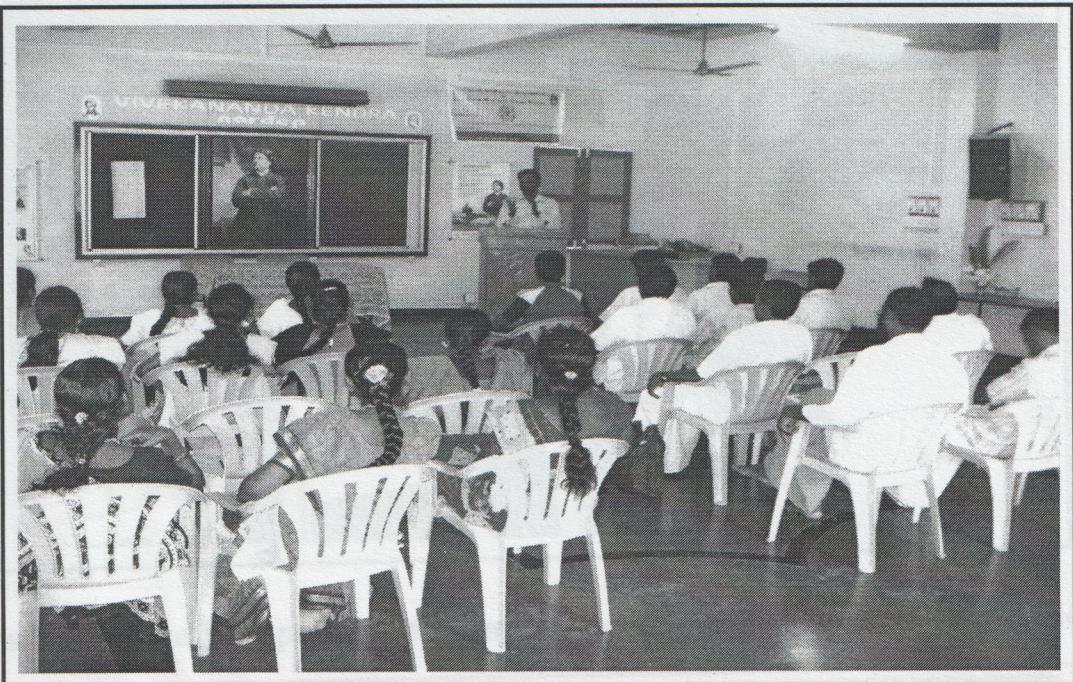
- ❖ **Class room arrangement** – Arranging chairs in order, black board, LCD projector, OHP, PA system etc. They also have to ensure flower pot on the Dias and drinking water for the faculty. The duty also includes arranging proper carpets for the yogasana class etc.

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



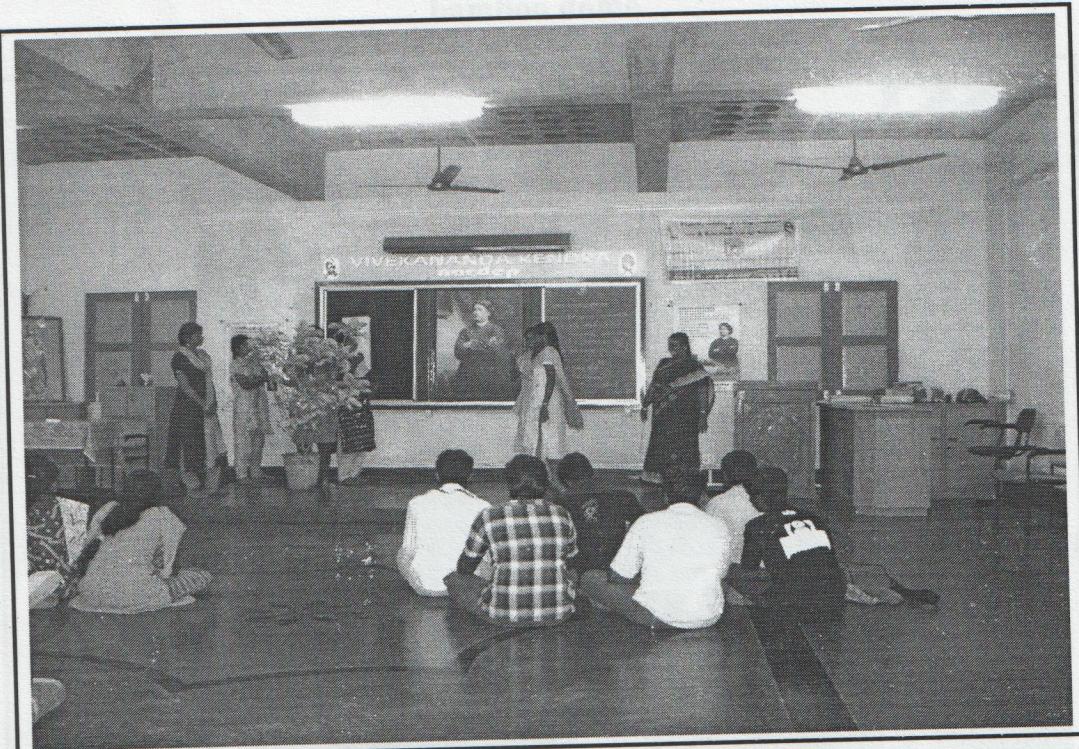
Shri.V.Muneeswaran, Biogas Supervisor explaining the importance of Smokeless chula to the college students



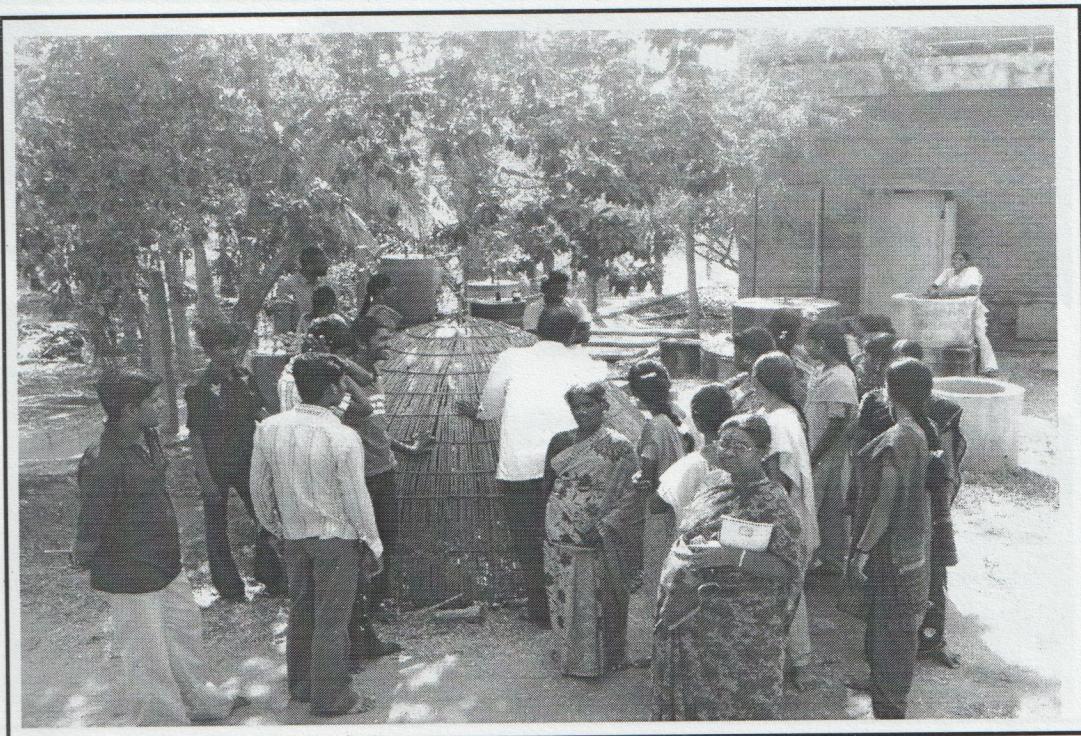
Shri.Nagasami singing a folk song based on New and Renewable Energy



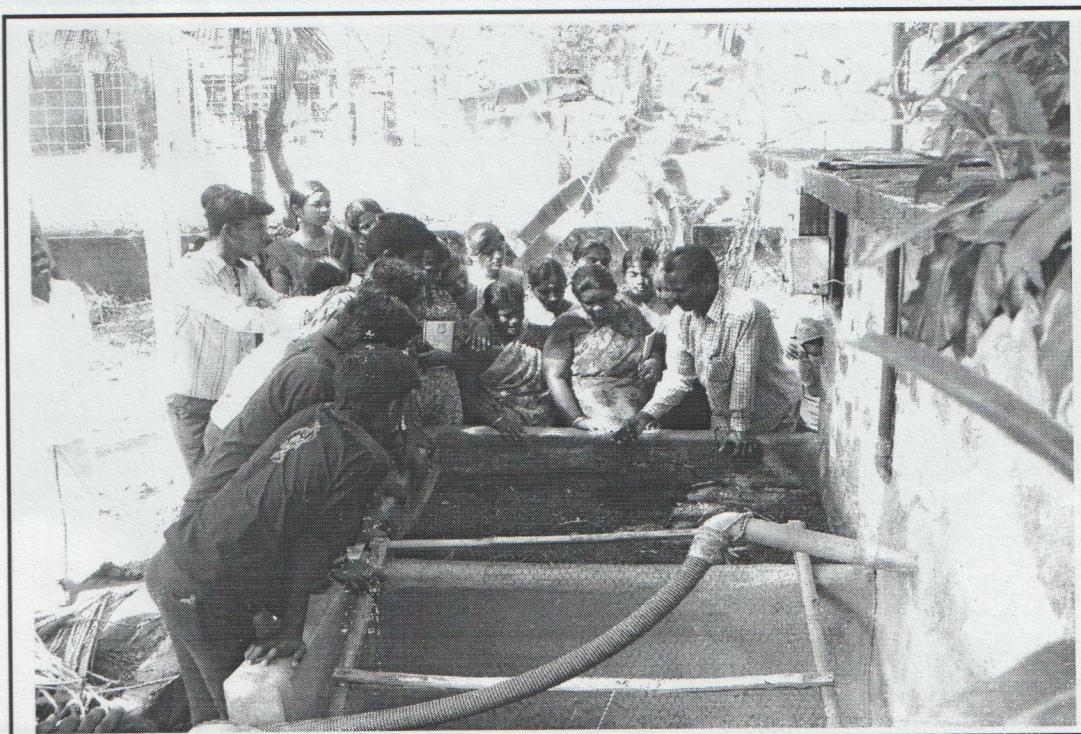
Sis. V. Saraswathi explaining the importance of Nursery and tree plantation



Street play based on "Environment in day today life"



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