

KUMARI ARIVIAL PERAVAI
YOUNG SCIENTISTS PROGRAM 2010-2011
ENERGY AND ENVIRONMENTAL CHALLENGES

GREEN TEAM

Other Renewable Energy

Renewable Energy , Sustainable Energy Alternatives

Hydrogen technologies , Fuel cells

Biomass and bio energy , Wave, Tidal, or Ocean Energy

Hydropower , Geothermal Energy

Is it worth investing in Renewable energy?

Environmental Challenges of Renewable energy

MAROON TEAM Oil and Natural gas

How oil and Natural gas are formed

Oil Well Drilling, Oil Storage, Oil Spills, Oil rig on fire, Oil Shale

Natural Gas Production, Transmission, Supply and Distribution

Natural Gas Supply and Demand

Availability & utilisation of natural gas in India

Import of natural gas to India through gas pipelines

India's agreement on oil and petroleum products with other countries

Oil and Natural gas products to energy

Statistics about world usage of Oil and Natural gas

Environmental challenges, Atmospheric impact. Aquatic impact, Terrestrial impacts

Ground water Pollution due to Natural Gas

BLUE COAL

Science of coal

Coal –Manufacturing/Producing, Mining and Transporting Coal

Cleaning up coal, How coal is used as energy

Coal-based Electricity Generation, Supply and demand of Coal

Technologies in Coal Industry, The Coal Mines (Nationalisation) Act, 1973

Coal & the Environment

Land Disturbance, ii. Mine Subsidence iii. Water Pollution iv. Noise Pollution v. Air Pollution vi. Rehabilitation

Human health hazards, Trends and issues for future coal usage

YELLOW TEAM Solar Energy and Wind Energy

Science of Solar Energy, Why Solar Power?

Solar Panels, Advantages and Disadvantages of Solar Power

Science of Wind energy, Wind Energy and Wind Power

Wind Turbines , Wind Energy Resources in the India and particularly

Advantages and Disadvantages of Wind-Generated Electricity

Environmental effects of Solar Energy and Wind Energy

RED TEAM Nuclear Energy

Science of Nuclear energy

How Nuclear Power works

Why we are Preferring Nuclear Energy

India's stand on Nuclear energy-nuclear power reactors in India-123 Agreements

India's Investment in Nuclear Power

Environmental effects of Nuclear Energy

Radioactive Waste and its effects to Environment

Environmental Challenges in Disposing the Radioactive waste

Environmental challenges and Safety

Thermal pollution due to Cooling Water System

Risks and Dangers of Nuclear Energy Major Disasters

Future of Nuclear Power, *Life without nuclear energy*

Scientist : Er.P.Palvannan
 Consultant : Prof.T.James Wilson
 Doctor : Dr.P.Thiraviam
 Team Coordinator: Smt.C.SUBATHIRA
 Resource person : Shri.D.SAMRAJ

Scientist : Er.L.Muthu
 Doctor : Dr.K.Vijayakumar
 Consultant : Capt.P.Bennet Singh
 Team Coordinator: Shri.M.John Rabikummar
 Resource person : Shri.D.Rajendran

Scientist : Er.A.Benzigr Rajan
 Doctor : Dr.A.Jayalal
 Consultant : N.Balakrishnan
 Team Coordinator: Smt.R.R.REKHA
 Resource person : Shri.S.Johnson

Scientist : Er.K.Ramaseshan
 Consultant : Shri.P.Gopalan
 : Shri.S.Thiruvengadam
 Doctor : Dr.Y.Arul prakash
 Team Coordinator: Shri.R.Satish kumar
 Resource person : Er.S.Murugan

Scientist : Er.S.Ingersol
 Consultant : Dr.T.Sasikummar
 Doctor : Dr.Sugin Herbert
 Team Coordinator : Shri.L.Edwin Sam
 Resource Person : Smt.D.Stella

KUMARI ARIVIAL PERAVAI
 www.kaponline.net
 &
BELL FIELD MATRIC.H.Sec.SCHOOL
ASARIPALLAM

ENERGY AND ENVIRONMENTAL CHALLENGES

TECHNICAL PRESENTATION
ON
DOMESTIC APPLIANCE
FOR
YOUNG SCIENTISTS -2012



BELL FIELD MATRIC.H.Sec.SCHOOL
ASARIPALLAM
 on
24TH MARCH 2012

Dear Sir/Madam

Greetings to you from Kumari Arivial Peravai!

Kumari Arivial Peravai is a voluntary group doing service in the field of Science and Technology in and around Kanyakumari

District, to give scientific awareness to the village students and also to bring out the hidden talents in the young ones;

Another important programme is *Developing Young Scientists*.

This has also feathered the cap of Kumari Arivial Peravai.

The title choosen for this year Programme is “ **ENERGY AND ENVIRONMENTAL CHALLENGES** ”. For the selected 51 young scientists various training programmes are being conducted during this academic year. The **TECHNICAL PRESENTATION ON DOMESTIC APPLIANCE** for the young scientists will be conducted on 24th March at ‘BELL FIELD MATRIC.H.SC.School,Asarippallam.

You are requested to participate and contribute towards the success of the programme.

Thanking you

Yours sincerely

Mullanchery. M.VELAIAN

Organiser,Kumari Arivial Peravai

Mullanchery, Mulamkuzhi-P.O,

Phone 9942758333, 04651-271175

E-Mail:Velaianmuthaian@yahoo.co.in

24-03-2012

9.00 A.M: Assembling

9.30 A.M : **INAUGURAL SESSION**

Presided By: **Captin BENNET SINGH**

(Piolet Totucorin Port Trust)

Welcome Address : A . ARULSELVAN

(H.M.Bell Field Matriculation School,)

Introductory Address: Mullanchery .M.VELAIAN

(Organiser Kumari Arivial peravai)

Inaugural Address:

Dr.T.JAMESWILSON

(Vice Chirman Marthandam College of Engineering)

10.00am :

TECHNICAL PRESENTATION ON DOMESTIC APPLIANCE

- | | | |
|------------------------|----------------------------------|-------------------------|
| 1. Fan | 25. Solar Heater | 49. Train |
| 2. Television | 26. A/C | 50. Motorcycle |
| 3. Cell phone | 27. Tube light | 51. Wrist watch |
| 4. Water Level Monitor | 28. Bi-Cycle | 52. Offset Printer |
| 5. Tape Recorder | 29. Water pump | 53. Pen Drive |
| 6. Grinder | 30. Multi meter | 54. Network switch |
| 7. Radio AM/FM | 31. Temperature Indicator | 55. Robot |
| 8. DVD Player | 32. EB Transformer | 56. Solar panel |
| 9. Rocket | 33. Neon lamp | 57. Electric Water pump |
| 10. Petrol Car | 34. CCTV | 58. Turbine |
| 11. Diesel Car | 35. Linear Power supply | 59. X Ray |
| 12. Blue Tooth | 36. Electric measurement counter | 60. MRI Scan |
| 13. Land Phone | 37. Speaker | |
| 14. ECG | 38. Audio Alarm for Fire | |
| 15. Printer | 39. Echo Gram | |
| 16. Computer | 40. Relay | |
| 17. Scanner | 41. Magnetic Train | |
| 18. Digital Camera | 42. Stop Watch | |
| 19. Mike | 43. Weather monitor | |
| 20. Battery Charger | 44. Burzzzer | |
| 21. Inverter | 45. Emergency Lamp | |
| 22. EEG | 46. Refrigerator | |
| 23. ELCB | 47. Vacuum Cleaner | |
| 24. Water Heater | 48. Water purifier | |

Moderators

Er.S.INGERSOL

Er.K.RAMASESHAN

Er.P.PALVANNAN

Er.A.BENZIGAR RAJAN

Vote of thanks:

Shri.S.Johnson

(Resource Person KAP)