

**S D M College of Engineering & Technology Dharwad**  
**Report of Seminar on**

**“Nuclear Energy – Opportunities and Challenges” on 20-8-2016**

“India is trying hard to get entry into Nuclear Supply Group of the world so that it can have the Technology transfer for its Energy Security” opined **Sri Jeevandhar kumar**, Deputy Secretary, SDM Education Society Dharwad, after inaugurating one day seminar on **Nuclear Energy – Opportunities and Challenges** at S D M College of Engineering and Technology Dharwad. The program jointly organized by the department of Electrical & Electronics Engineering, Department of Chemical Engineering and Nuclear Power Corporation of India Limited Kaiga. India has presently 21 reactors operating in 6 different locations and contributing 5680 Mega Watt power. Present Technology developments in reactor design and safety measures have tilted India to go for Nuclear Energy. Nuclear has a long term promise and cleanest form of energy. He has stressed upon the different energy sources like Hydle, Thermal, Nuclear and Renewables. Government of India has many plans to enhance the energy mix so that India can become the energy secured developing nation.

President of the function **Dr. S. B. Vanakudre**, Principal SDMCET highlighted about the abundant availability of Thorium in India. Nuclear waste disposal is another area requiring Technological solutions from engineering students. The research trends in nuclear energy are towards using entire fuel, he added. One hundred Twenty students from different engineering colleges of Karnataka are participating in the seminar. Resources persons from **Nuclear Power Corporation of India, KAIGA** **SHRI S. S. MANAGNVI**, Scientist-G **SRI RAM MOHAN**, Scientist-G shared their experience. **Miss Shreenidhi Patil** presented invocation song. **Dr. G. D. Kamalapur** welcomed the gathering, **Dr. Keshav Joshi** briefed

about the seminar, **Mrs. Rashmi S H** proposed vote of thanks. **Miss Asha Chavan** compered the program.



Inauguration of seminar on Nuclear Energy by Sri Jeevandharkumar, Dr. S. B. Vanakudre, Dr. K. R. Mohanram, Dr. S. S. Managanvi, Dr. G. D. Kamalapur & Dr. Keshav Joshi





# **S D M College of Engineering & Technology Dharwad**

## **PRESS RELEASE**

### **“Nuclear Energy – Opportunities and Challenges”**

A seminar is organized by **ELECTRICAL AND ELECTRONICS ENGINEERING and CHEMICAL ENGINEERING DEPARTMENTS** to scintillate upon the **Nuclear energy options** in the present context along with the challenges and opportunities for meeting long term energy needs of a country.

The energy policy of a country is dictated by the resources available or accessible which ensure long term energy security. Thus, the subject of energy options is a hot topic of discussion in many countries. The aspiration of the developing countries is to scale up energy production without causing irreversible damage to the environment. Nuclear energy gives viable option due to the following: reliable energy source, high energy density, economic, impressive capacity factor and sustainability. People may pose their apprehension frequently for ascertaining the acts to justify the above mentioned claims.

India is blessed with nearly inexhaustible resource of thorium. The future energy depends on efficient exploration of this gift of nature. Thorium is not being tapped so far because it does not have isotopes in it. It is fertile material and needs to be converted in to fissile material, Uranium-233. In the three stage nuclear programme, the third stage is to enter in to large scale power production from thorium. As India has entered in to international nuclear co-operation, an opportunity for a rapid growth in installed capacity has opened up and this will certainly help accumulating fissile inventory at a faster pace.

In the meantime, many enabling technologies have been developed for Thorium utilization. The enabling technologies can lead to balanced thermal ecology, biodiversity, agriculture activities, safety, management of long lived radioactive waste etc. Thorium energy can lead to a stage wherein there is no need to look outwards for meeting energy demands for many centuries, that too without adversely affecting the environment. Thus, a long term energy security and a clean environment for the country can be achieved.

#### **INAUGURAL FUNCTION**

Chief Guest : **Shri JEEVANDHAR KUMAR**

Deputy Secretary, SDME Society, Dharwad

Resource Persons: **Shri S. S. MANAGANVI**, Scientist-G

**Shri K.R MOHANRAM**, Scientist-G NPCIL, KAIGA

President: **Dr. S. B. VANKUDRE**, Principal, SDMCET Dharwad

**Date:20-08-2016**

**Time: 10AM**

**ROOM No:24**

<sup>4</sup>  
**ALL ARE INVITED**

## RESOURCE PERSONS

### (a) Shri K.R. Mohan Ram

Shri K.R. Mohan Ram has completed M.Sc (Physics) from Mysore University in the year 1989. He has completed one year orientation course in Science and Engineering from the 33<sup>rd</sup> Batch of BARC Training school. He has worked at the Narora Atomic Power Station (NAPS) Narora UP, Kakrapar Atomic Power Station (KAPS) Kakrapar Gujarat and presently he is at Kaiga Generating Station, Kaiga Karnataka since 1998. He is involved in the incore Fuel Management at the Kaiga Generating Station. He is also involved in Training of District Administration for conduct of Off-site Emergency exercises at Kaiga. He is also involved in Structured Public awareness activities aimed at imparting knowledge and bringing awareness to the Members of the Public about Nuclear Power.

### (b) SANGAMESHWAR S. MANAGANVI

2.	Present designation : Scientific Officer, G and Radiological Safety Officer		
3.	Date of joining the NPCIL:06-12-1990		
4.	Educational qualification	Degree/University/institution/ Year of Passing: PG Diploma	M.Sc( Nuclear Physics) Karnataka University, Dharwad, 1989 Diploma in Radiological Protection and Hospital physics, in BARC, 1990. Mumbai University
5.	Details of experience in the relevant field.		
	Nuclear Facility	Duration	Nature of work
	Directorate of Health, Safety and Environment, Head Quarters Mumbai.	December 1990 to May 2005	Design aspects related to operational radiation protection of nuclear power plants, technical specification for radioactive effluents for new plants, Review of safety reports, review of radiation protection documents for new plants, worked as a member of various audit committees to review radiation protection and emergency preparedness of nuclear power plants.
	Kaiga Generating Station, Unit-3&4	Since May 2005	Working as Radiological Safety Officer and responsible for ensuring implementation of radiation protection procedures to protect all radiation workers at KGS-3&4 and ensured radioactive effluents are within the limits given by Atomic Energy Regulatory Board.

...only, increasing stress on noise in environment leads to significant onset on the hearing cells and nerves, he said.

Dr Paril said, living a life with hearing difficulties has a negative impact on the overall quality of life. So, every individual should take care for their ears, and mitigate the use of loud speakers, horns and other high decibel sound devices, he added.

He said, Sadbhavana Samiti, a Hubballi-based NGO, has planned to create awareness regarding this by conducting various programmes, lectures, and debates in schools, colleges and at public places.

The programmes have been planned on the lines of 'Aarav Foundation' of Mumbai, he said. Members of Samiti and others were present on the occasion.



Due to bountiful rains being received in the region, the paddy fields, the farmer's hut, and the surroundings at Mugad village in Dharwad taluk have become a mesmerising sight. DH PHOTO BY B M KEDARNATH

DECCAN HERALD 19-8-2016

## Seminar on Nuclear energy in Dharwad tomorrow

DHARWAD: Department of Electrical Engineering, Department of Chemical Engineering of SDM CET, Dharwad, and Nuclear Power Corporation of India Limited Kaiga are holding a seminar on 'Nuclear energy-options & challenges' at SDM CET in Dharwad on August 20.

The seminar is organised to scrutinise upon the Nuclear energy options in the present context along with the challenges and opportunities for meeting long term energy needs of the country.

The energy policy of a country is dictated by the resources available or accessible, which ensure long-term energy security. The subject of energy options is a hot topic of discussion in many countries.

The aspiration of the developing countries is to scale up energy production without causing irreversible damage to the environment.

Nuclear energy gives visible option due to the following: reliable energy source, high energy density, economic, impressive capacity factor and

sustainability.

"India is blessed with nearly inexhaustible resource of thorium. The future energy depends on efficient exploration of thorium. Thorium is not being tapped so far because it does not have isotopes in it. It is fertile material and needs to be converted in to fissile material, Uranium-233.

In the three stage nuclear programme, the third stage is to enter in to large-scale power production from thorium. As India has entered in to international nuclear co-operation,

an opportunity for a rapid growth in installed capacity has opened up and this will certainly help accumulating fissile inventory at a faster pace," said that press release from the organisers.

"In the meantime, many enabling technologies have been developed for Thorium utilisation. The enabling technologies can lead to balanced thermal ecology, biodiversity, agriculture activities, safety, manage-

ment of long lived radioactive waste etc.

Thorium energy can lead to a stage wherein there is no need to look outwards for meeting energy demands for many centuries, that too without adversely affecting the environment. Thus, a long-term energy security and a clean environment for the country can be achieved," it said.

DH News Service

## Inaugural function



District In-charge Minister Vinay Kulkarni inaugurating the function organised to begin the construction of 'Marvel Artiza' commercial complex at Vidyanagar in Hubballi. MLC Pradeep Shettar, and others are present. DH PHOTO

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Email: [raja@aparnainfonet.com](mailto:raja@aparnainfonet.com)

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Dr. Shrinani  
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programme in Karnataka universities. Minister Vinay Kulkarni, MLC Basavaraj Horatti, Dr Patil Puttappa, Raja Shaleshchandra Gupta, and others are present. DH PHOTO

to the people with no space for favouritism, should be encouraged, said Mr Gupta.

**Rapidly expanding**

Today, the media field has expanded beyond expectation and there are abundant opportunities for the young professionals.

Unfortunately, the students coming out from various universities with journalism degrees are not up to the mark, as they lack writing skills. The need of the hour is to give importance for flair writing and they should have creative hobbies to reduce the stress level in this profession, he ad-

vocated. MLC Basavaraj Horatti be-moaned over universities becoming political hubs. Groupism among professors is hampering the educational environ in the varsities, and this has led to the downfall of values.

"Politicians representing dif-

Prof M Gangadharappa and Dr Nayna Gangadharappa were felicitated on the occasion.

Information Department Joint Director & Karnataka University Journalism Department Alumni Association President Basavaraj Kambi, Prof Puttaraju, and other dignitaries were present. DH News Service

**'Entry into NSG would help technology transfer'**

DHARWAD: "India is trying hard to get an entry into Nuclear Supply Group (NSG) of the world so that it can have the technology transfer for its energy security" opined SDM Society Deputy Secretary Jeevandhar Kumar.

He noted this while speaking after inaugurating an one-day seminar on 'Nuclear Energy-Opportunities and Challenges' held at the SDM College of Engineering & Technology in Dharwad on Saturday.

The programme was jointly organised by the Department of Electrical & Electronics Engineering, Department of Chemical Engineering, and Nuclear Power Corporation of India, Kaiga.

He said, India has presently 21 reactors operating in six different locations and contributing 5,680 Mega Watt power. The present technology developments in reactor design and



SDM Deputy Secretary Jeevandhar Kumar inaugurating a seminar on Nuclear Energy organised by the SDMCET in Dharwad on Saturday. Dr S B Vanakudre, Dr K R Mohanram, Dr S S Managanvi, Dr G D Kamalapur, and Keshav Joshi are seen. DH PHOTO

safety measures have tilted India to go for Nuclear Energy. Nuclear has a long-term promise and is the cleanest form of energy, he added.

He said, the Government of India has many plans to enhance the energy mix so that India can become the energy-secured developing nation.

Presiding over the pro-

gramme, SDM CET Principal S B Vanakudre, highlighted about the abundant availability of Thorium in India.

Nuclear waste disposal is another area requiring technological solutions from engineering students. The research trends in nuclear energy are towards using the entire fuel, he added.

120 students from different engineering colleges within the State took part in the seminar.

Resource persons from Nuclear Power Corporation of India, Kaiga, S S Manugavi, and scientist G Ram Mohan shared their experience. Shreenidhi Patil, Dr G D Kamalapur, and Dr Keshav Joshi also spoke. DH News Service

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ದಿನಾಂಕ : 19-08-2016

**'Madhyaradhane' celebrated grandly**

DHARWAD: Raghendra Swamy nardhann was cele-

