



SANDIP FOUNDATION'S, SHRI RAM POLYTECHNIC

Neelam Vidya Vihar, Village - Sijoul, Post – Mailam,

District – Madhubani, BIHAR – 847235

Approved by AICTE, New Delhi and Affiliated to SBTE, Patna, Bihar

1st National Conclave

Submitted By: Manish Kumar Jha(I/C HOD)

Submitted To Principal : Prof. Sanjay Kumar Jha

Date And Place :- 13/01/2023 at SF-SRP Madhubani Bihar

Title:1st National Conclave on Green Energy Options For Sustainable Development.

Duration of visit: 10:30 am onwards

INTRODUCTION/WORK PLAN/OBJECTIVE

It Gives Us Great Pleasure to Announce First National Conclave Organised by SANDIP FOUNDATION'S, SHRI RAM POLYTECHNIC, Approved by AICTE, New Delhi and Affiliated to SBTE, Patna, Bihar. This conclave was held on January 13, 2023 on Online Platform Zoom Application. The students of SF-SRP were present in offline mode at Naina Jha Auditorium (Multipurpose hall). The key resource people were from different reputed institutions and from different trades.

Schedule for the program was as follow:-

DATE	RESOURCE PERSON	DETAILS OF RESOURCE PERSON	TOPIC OF CONCLAVE
13 th Jan 2023	DR. KUMAR NEERAJ JHA	PROFESSOR, IIT DELHI	Green Energy Options ForSustainable Development.
13 th Jan 2023	DR. RAMAKAR JHA	PROFESSOR ,NIT PATNA	Green Energy Options ForSustainable Development.
13 th Jan 2023	DR. OM PRAKASH	PROFESSOR ,NIT PATNA	Green Energy Options ForSustainable Development
13 th Jan 2023	DR.SHREE BHAGAWAN SINGH	PRINCIPAL ,GP PATNA-7	Green Energy Options ForSustainable Development
13 th Jan 2023	DR. BRAJENDRA NATH TRIPATHI	DEAN SANDIP UNIVERSITY ,MADHUBANI	Green Energy Options ForSustainable Development
13 th Jan2023 2023	ER. GAJENDRA CHOUDHARY	FORMER PROJECT MANAGER,NPCC,ABU DHABI ,UAE	Green Energy Options ForSustainable Development

Utilization of Conclave

After completion of Conclave the participants came to know about following aspects:-

Energy Consumption is rising world-wide and so are emissions of GHGs, in particular CO₂. Economic growth requires growth in energy supply that calls for new, cost effective, convenient and economically sound energy options. With sizable world population still deprived of modern living standards, balancing climate change concerns and economic development remains a big challenge. Finite nature of fossil fuels is the other side of this coin, adding energy security worries.

It is imperative that actions are needed to address the conflicting objectives of energy security, economic growth and environmental protection; and also in resolving the conflict between these. Need of the hour is to find ways to safely continue to use fossil fuels and simultaneously develop alternate sustainable source of energy.

It is a tough balancing act, with issues of –

- Relatively few sustainable conventional energy solutions
- Limiting water and soil pollution and reducing greenhouse gas emissions
- Difficulties inherent in bringing new technologies on stream quickly and ensuring their early uptake.

Technology development is the answer to these concerns. The availability of new technologies is going to be crucial. The scientists across the world have been working on many path breaking and revolutionary technologies, which may change the very concept and process of how we generate and use energy. These breakthrough technologies will have immense impact on the business process and economies and if we can hasten the process it could translate into millions of dollars saved to the economy and invaluable benefit to the environment. Concerted collaborative efforts will be needed if these technologies are to realise their potential and address the energy challenges.

It is with this focus that three leading NGOs of energy sector viz. IRADe, IEF and World Energy Council-Indian Member Committee (WEC-IMC) joined hands to organized the Energy Technology Conclave at the India Habitat Centre in New Delhi on the 13th and 14th March , 2008 **Objectives of ETC.**

To realize the goal of sustainable energy system, the ETC deliberated on the issues stated above with particular focus on:

- Bringing the abundance of existing technologies closer to commercial deployment (clean technologies, end-use, renewable, FBR/Thorium, etc.);
- Identifying the challenges in bringing viable medium-term technologies forward (hydrogen and fuel cells, solar, etc); and
- Offering a successful, cost-sharing structure for expensive exploratory research (i.e. fusion, gas hydrates, solar, etc.)
- Actualizing the vision of the Integrated Energy policy on Research and development

➤ **Energy challenges & opportunities**

The session focussed on “no alternative to fossil fuels” for at least next few decades Attention was drawn to associated concern with climate change and need of reorientation of approach in view of Bali Summit.

The highlighted issues included-

- ◆ Manage climate change through mitigation/ adoption
- ◆ Funding for tech Development-but commercialization of potential, a must
- ◆ Challenges of power sector programme implementation
- ◆ New technologies that are India centric- well defined road map for the same
- ◆ Focus on climate based technologies & funding accordingly.
- ◆ Research should focus on global R&D-especially in the developing countries (scientific man power institution as finance availability)

➤ **Existing & Energy Technologies**

There are no simple or single solutions to Energy Security. These sessions focussed on need of improving efficiency of the existing technologies, introducing the new technologies quickly and have concerted initiatives in futuristic and energy technologies. The discussions focussed on –

- ◆ Focusses on DSM and supply side and where industry initiative would be useful
- ◆ Incentives from this approach
- ◆ Energy Efficiency programme is the only that saves and energy lower carbon emission at the same time
- ◆ Carbon recovery from sludge at conversion into energy can recover upto 4%
- ◆ Initiatives in petroleum sector
- ◆ Role of materials and Nano technologies especially for photovoltaic
- ◆ Right remunerative employment opportunities for research, scholar to attract talent



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1ST NATIONAL CONCLAVE

GREEN ENERGY OPTIONS FOR SUSTAINABLE
DEVELOPMENT

10:30 AM ONWARDS

13TH JANUARY 2023 (VIRTUAL MODE)



For FREE Registration
Scan this QR Code



DR. KUMAR NEERAJ JHA
PROFESSOR
IIT DELHI



DR. RAMAKAR JHA
PROFESSOR
NIT PATNA



DR. OM PRAKASH
PROFESSOR
NIT PATNA



DR. SHREE BHAGAWAN SINGH
PRINCIPAL
GP PATNA - 7



DR. BRAJENDRA NATH TRIPATHI
DEAN
SANDIP UNIVERSITY, MADHUBANI



ER. GAJENDRA CHOUDHARY
FORMER PROJECT MANAGER
NPCC, ABU DHABI, UAE



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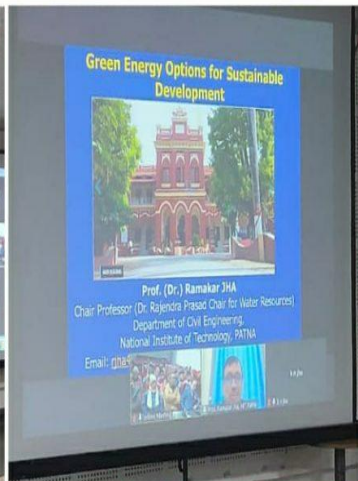






SANDIP FOUNDATION'S
SHRI RAM POLYTECHNIC

One day 1st National Conclave on
"Green Energy Options for Sustainable Development"



संदीप फाउंडेशन श्री राम पॉलिटेक्निक में किया गया "Green Energy Options For Sustainable Development" विषय पर ग्रूप वेविनार, उपस्थित थे बड़े-बड़े विद्वान*



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DR. GAJENDRA CHOUDHARY FORMER PROJECT MANAGER NCC-ABU DRAB, UAE

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संवाददाता - सुजीत मिश्र

मधुबनी । शुक्रवार को संदीप फाउंडेशन श्री राम पॉलिटेक्निक में "Green energy option for sustainable development" विषय पर एक ग्रूप वेविनार का आयोजन प्रो०के०डी०झा की अध्यक्षता में किया गया । जिसमें मुख्य वक्ता के रूप में श्री(डॉ०) गजेंद्र चौधरी, फॉर्मर प्रोजेक्ट मैनेजर एनपीसीसी दुबई यूएसए, प्रो०(डॉ०)नीरज कुमार झा, इंडियन इंस्टिट्यूट ऑफ टेक्नोलॉजी दिल्ली, प्रो०(डॉ०) रमाकर झा, नेशनल इंस्टिट्यूट ऑफ टेक्नोलॉजी पटना, प्रो०(डॉ०) ओम प्रकाश, नेशनल इंस्टिट्यूट ऑफ टेक्नोलॉजी पटना, डॉ० भगवान सिंह, प्रिंसिपल जी०पी० पटना, डॉ० ब्रजेंद्र नाथ त्रिपाठी, डीन एकेडमिक्स संदीप यूनिवर्सिटी मधुबनी, थे ।

कार्यक्रम का शुभारंभ संदीप फाउंडेशन श्री राम पॉलिटेक्निक के प्राचार्य प्रो० संजय कुमार झा एवं सभी अतिथियों ने दीप प्रज्ज्वलन एवं सरस्वती चित्र पर पुष्प अर्पण कर किया ।

कार्यक्रम का संचालन प्रो०सुजीत कुमार मिश्र कर रहे थे । कार्यक्रम की घोषणा प्राचार्य श्री संजय कुमार झा एवं अतिथियों का स्वागत एवं परिचय प्रो०अजीत कुमार झा के द्वारा किया गया । को-ऑर्डिनेटर के रूप में डॉ० सुमंत आनंद एवं प्रो० मंजीत कुमार थे । कार्यक्रम के सभी गतिविधियों का इलेक्ट्रॉनिक संचालन विभाग के डॉ० संजीव कुमार कर रहे थे ।

Thanks & Regards
Manish Kumar Jha
HOD (ME Dept.)