DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr_____

_____ is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

Soft Copy of registration form along with payment proof should be mailed to research@egspec.org. Hard copy of the completed application may reach to

The Coordinators

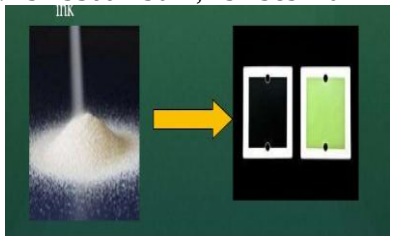
Two Days Technical Workshop on

"BLOOM BOX - THE FUTURE OF ENERGY IN INDIA"

E.G.S.Pillay Engineering College (Autonomous)

Nagapattinam-611002 TamilNadu

Contact: +91-9566719011, +91-9894102442



ABOUT BLOOM BOX

In the current scenario the Bloom Energy Server (the Bloom Box) is a novel technique and it's a most demanded technology regarding cost and performance.

The Bloom Energy Server (the Bloom Box) is a solid oxide fuel cell (SOFC) power generator made by Bloom Energy, of Sunnyvale, California, that takes a variety of input fuels, including liquid or gaseous hydrocarbons. Produced from biological sources, to produce electricity at or near the site where it will be used. This new class of distributed power generator produces clean, reliable, affordable electricity at the customer's site. It can withstand temperatures of up to 1,800 °F (980 °C). According to the company, a single cell (one 100 mm × 100 mm plate consisting of three ceramic layers) generates 25 watts.

The Bloom Energy Server uses thin white ceramic plates (100 × 100 mm) that are made from components found in beach sand. Each plate is coated with a green nickel oxide-based ink on one side, forming the anode, and another black (probably Lanthanum strontium manganite) ink on the cathode side. According to the San Jose Mercury News, "Bloom's secret technology apparently lies in the proprietary green ink that acts as the anode and the black ink that acts as the cathode" but in fact these materials are widely known in the field of SOFCs.

To save money, the Bloom Energy Server uses inexpensive metal alloy plates for electric conductance between the two ceramic fast ion conductor plates. In competing lower temperature fuel cells, platinum is required at the cathode.

ABOUT THE COLLEGE

E. G. S. Pillay Engineering College (Autonomous) is one of the pioneering non-grant engineering colleges in the state. It was established by the G. S. Pillay & Sons Educational and Charitable Trust, Nagapattinam in the year 1995. All courses are affiliated to Anna University, Chennai. Recently, the institution has been accredited by NAAC with 'A' grade and three of the departments namely Mechanical Engineering, EEE, CSE has been accredited by NBA. EGSPEC has been approved as a Research centre by Anna University, Chennai for the department of ECE, EEE, CSE and Mechanical. The institute has been various tie up with leading industries through MOU's. It has good academic and placement records.

OIL & NATURAL GAS CORPORATION LTD.,
CAUVERY ASSET
KARAIKAL – 609602

Sponsored

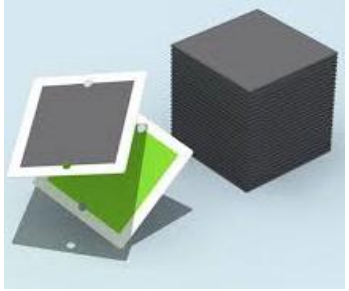
Two Days Technical Seminar
On

"BLOOM BOX - THE FUTURE OF ENERGY IN INDIA"

(03-05-2018 & 04-05-2018)

Organized by

Research and Development Cell
E.G.S. PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM – 611002, TAMILNADU



CONVENER

Dr. S. Ramabalan – Principal
Dr. M. Chinnadurai – Controller of Examinations

COORDINATORS

Prof. G. Ganesan @ Subramanian – Asst.Prof / EEE

Dr.S.Chockalingam – Asso.Prof / Mechanical

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NAGAPATTINAM

REGISTRATION FORM

Name :
Designation :
Organization :
Gender :
Age :
Qualification :
Address for Communication :

Mobile Number :
E-mail ID :
Experience :
Teaching & Others : _____ years

Signature

Transaction Details

Transaction No. :
Amount :
Date :
Bank Name :

OBJECTIVE

- To provide an overview on bloom box.
- To produce the impact on renewable energy.
- To expose the knowledge on solar and fuel cell technology.
- To deliver the outcomes of effective installations of bloom box.

COURSE CONTENTS

- Introduction on bloom box.
- Crisis of power demand and effective utilization of renewable energy.
- Traditional electricity tariffs Vs tariffs by Renewable energy usage of electrical power.
- Installations of bloom box – An overview.
- Role of Fuel cells in fabricating bloom box.

CHIEF PATRONS

Smt. Jothimani G.S. Pillay – Chairman, EGSP group of Institutions

Chev. S. Paramesvaran – Secretary, EGSP group of Institutions

R&D TEAM

Dr.M.K.Mishra

Dr.P.Vijayalakshmi

Dr.A.Charles

IMPORTANT DATES

Last Date for receipt of Applications : 27.04.2018
Intimation of Participants : 28.04.2018
Confirmation of Participants : 30.04.2018

TARGET AUDIENCE

Faculty members working in Arts and Science Colleges, Engineering and Polytechnic Colleges, Research scholars, Industry Persons, UG / PG students and grass root innovators from relevant background of Science and Engineering.

RESOURCE PERSONS

1. **Mr. A.P. Rajasekaran;** Chief Engineer (Drilling) Incharge Corporate Communications, ONGC, Karaikal
2. **Prof. K. Thayumanavan;** Assistant Professor**,** Department of EEE, University College of Engineering**,** Panruti.
3. **Dr. K. Ramash Kumar;** Professor, Department of EEE, Karpagam College of Engineering, Coimbatore.
4. **Dr. E. Edward Anand;** Professor – S&H, E.G.S. Pillay Engineering College, Nagapattinam

REGISTRATION FEE DETAILS

- Registration will be selected on first- come-first serve basis.

CATEGORY	AMOUNT
Industrial persons	Rs. 1000
Academicians	Rs. 700
Students and Research scholars	Rs. 400

- The course fee includes registration kit, course material, lunch & refreshment.
- Registration fees can be paid through internet banking.

Account name	The Principal, E.G.S. Pillay Engineering College, Nagapattinam
Account number	278109000161812
Account type	Current
Bank	City Union Bank, Nagore Branch
IFS code	CIUB0000278