

# lit delhi energy storage





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### Centre for Automotive Research and Tribology ...

Centre for Biomedical Engineering :: IIT Delhi The Centre for Automotive Research and Tribology (CART) was established in May 2019 with a vision to promote interdisciplinary research in the area of Electric Vehicle (EV), energy ...

### Home Page : IIT Delhi

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### [Department of Energy Science and Engineering](#)

PhD. Ph. D. Programme. The Department offers opportunities for Ph. D. programme in exciting areas of Renewable Energy, Internal Combustion Engines, Alternative Fuels, Emission ...

### [Department of Energy Science and Engineering](#)

Centre for Energy Science Engineering :: IIT Delhi  
Dr. Rabindra Mohanty received his B.Tech. degree in Electrical Engineering from Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha, India in 2011. After his B. Tech., he worked as a Senior engineer

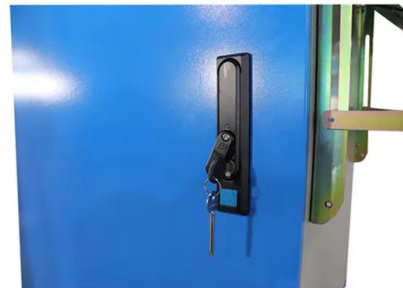


[Indian Institute of Technology Delhi](#)

Course Co-ordinator Prof. Dibakar Rakshit  
Associate Professor Indian Institute of  
Technology Delhi TEQIP-III Sponsored Short Term  
Course 9th - 13th March, 2020 Centre for Energy  
Studies, Indian Institute of Technology Delhi,  
Hauz Khas, New Delhi - 110016

[Department of Energy Science and Engineering](#)

He has been National Project Director cum  
Coordinator of MNRE Sponsored Renewable  
Energy Fellowship Programme (2005-2010) and  
Head, Hindi Management Cell at IIT Delhi for  
2005 - 2009. Prof.



[Energy Storage Platform on Batteries \(ESPOB\)](#)

"Looking at India's ambitious timeline on  
renewable energy, it is imperative that efficient  
and cost effective storage system is the only  
answer to tackle its intermittency. The focus of  
DST-IITD Energy Storage Platform on Batteries  
(ESPOB) at IIT Delhi is to develop



### ABRL

Advanced Batteries Research Laboratory (ABRL) is located at Department of Energy Science and Engineering, Block 5, Indian Institute of Technology Delhi (IIT Delhi) . At ABRL, we study new materials to address crucial challenges in energy storage landscape, spanning form high energy density advanced batteries to pseudocapacitors.



### [Department of Energy Science and Engineering](#)

The increased demand for energy has prompted users to seek alternative energy storage devices. Post Li-ion battery chemistries have been considered potential contenders for the development ...



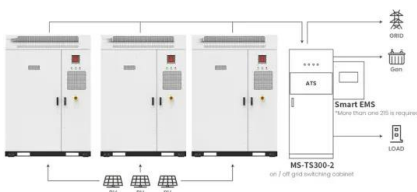
### Department of Energy Science and Engineering :: IIT Delhi

To further expanding the scope and depth of academic and research activities being undertaken by the 45-year-old Centre for Energy Studies, IIT Delhi established a new 'Department of Energy Science and Engineering' in 2021. Know More



### [Department of Energy Science and Engineering](#)

Energy storage and 6. Multi-physics modelling of various renewable energy systems. Address Room expanding the scope and depth of academic and research activities being undertaken by the 45-year-old Centre for Energy Studies, IIT Delhi established a



Application scenarios of energy storage battery products



## IIT Delhi

Currently, he is also serving as the warden of Zanskar House, IIT Delhi. Recent Publications A comparative performance analysis of sensible thermal energy storage (with concentrated solar field and sCO<sub>2</sub> Brayton Cycle) and hydrogen energy storage (with solar



### [Department of Energy Science and Engineering](#)

o Solar heat storage devices (characterization of storage materials)  
o Green building concepts  
o Waste heat recovery  
Department of Energy Science and Engineering, IIT Delhi Hauz Khas, New Delhi - 110016 +91-011-26591251/6241 hodces [at] CSC, IIT Delhi

## Students and Associates of Professor Suddhasatwa Basu

Students and Associates list of Professor Suddhasatwa Basu otherwise may be known as Energy Storage & Environmental Lab (2015-2021) - ONGC Project; DRDO project; DST Project-ESPOB, IITD Dr Subhra Sadhukhan (2018-2019) - DST NPDP, IITD



### [Energy Storage Platform on Batteries \(ESPOB\)](#)

The focus of DST-IITD Energy Storage Platform on Batteries (ESPOB) at IIT Delhi is to develop various electrochemical devices by bring together the expertise of the consortium partners of ...



## Department of Mechanical Engineering :: IIT Delhi

Faculty. Areas of Interest: Thermo-fluid Systems, Heat Transfer, Refrigeration and Air-conditioning, Waste-heat Recovery, Thermal Energy Storage, Building Energy Efficiency, ...



## Department of Mechanical Engineering :: IIT Delhi

Department of Mechanical Engineering at IIT Delhi is world-renowned for its research, faculty and students. and Gas Turbines, Heating, Ventilating and Air-Conditioning (HVAC), Energy conversion and storage - including thermal storage and batteries The

### [Energy Storage Platform on Batteries \(ESPOB\)](#)

DST-IIT Delhi Home Messages Objectives & Aim Facilities People Aim and Objectives of the Centre Develop next generation materials and India-centric scalable energy storage technology Material development work on doped-carbonaceous materials



### [Energy Storage Platform on Batteries \(ESPOB\)](#)

Energy Storage Platform on Batteries (ESPOB) DST-IIT Delhi Home Messages Objectives & Aim Facilities People Prof. Anil Verma Principal Investigator & Administrator, ESPOB Dept. of Chemical Engineering, IIT Delhi E-mail: anilverma@iitd.ac 2



## CEA advocates for EVs as energy storage in national grid support

CEA advocates for EVs as energy storage in national grid support The CEA's special report, prepared with contributions from experts at IIT Bombay, IIT Delhi, and IIT Roorkee, among others, envisions a future where EVs can support the grid by offering services like



### [Department of Energy Science and Engineering](#)

Centre for Energy Science Engineering :: IIT Delhi  
Ph. D. Programme The Department offers opportunities for Ph. D. programme in exciting areas of Renewable Energy, Internal Combustion Engines, Alternative Fuels, Emission Control, Electrical Energy Systems

## IIT Delhi: Renew Centre of Excellence for Energy

Centre Of Excellence Set up by ReNew in partnership with IIT Delhi in 2017, the Sumant Sinha ReNew Centre of Excellence for Energy and Environment is a state-of-the-art research & development facility. Sustainability Leadership ...



### Centers@iitd : IIT Delhi

The ReNew Power Centre of Excellence for Energy and Environment is an initiative aimed at promoting research in the realm of clean energy, with support from IIT-Delhi and ReNew Power. The centre has research projects ranging from developing bi-directional



## Setting the stage for energy storage in India

DST- IIT Delhi Energy Storage Platform on Batteries: DST -IIT Delhi Centre on Batteries aims to carry out R& D to develop three different types of novel materials and their application in electrochemical



## IIT Delhi Researchers Find a Potential Solution to Regulate ...

Researchers at the Department of Energy Science and Engineering (DESE), IIT Delhi, working to find a possible solution to this dendrite-related problem, have managed to stabilize room-temperature sodium-sulfur battery technology by employing an iodide-based

## IIT Delhi to Establish Department of Energy Science ...

IIT Delhi to Establish Department of Energy Science and Engineering: New UG Programme 'B.Tech. in Energy Engineering' To Be Offered from This Year New Delhi : IIT Delhi is in the process of establishing a new department named, ...



## Department of Energy Science and Engineering :: IIT Delhi

To further expanding the scope and depth of academic and research activities being undertaken by the 45-year-old Centre for Energy Studies, IIT Delhi established a new 'Department of ...





Department of Energy Science and Engineering

Centre for Energy Science Engineering :: IIT Delhi  
Welcome to Placement Session 2024-25 "The  
greatest thing in this world is not so much where  
we stand, as in what direction we are moving. -  
Oliver Wendell Holmes If you are looking for the  
enthusiastic Energy



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