

**Organizing Committee:****Chief Patron:**

Mr. K.K. Kejriwal, Managing Trustee, MCKVIE

**Patron:**

Prof. (Dr.) Parasar Bandyopadhyay, Principal, MCKVIE

**Joint Conveners:**

Prof. Samir Kumar Saha, Dean (Academics), MCKVIE,  
Dr. Ranjib Biswas, Head, Mechanical Engineering Dept., MCKVIE and  
Mr. Manik Chandra Das, Head, Automobile Engineering Dept., MCKVIE

**Coordinator:**

Mr. Samiran Samanta, Asst. Professor, Automobile Engineering Dept.,  
MCKVIE

**Accommodation:**

Wide ranges of decent hotel/ hostel accommodations are available in the city of Howrah and Kolkata. Participants have to make their own arrangements for their accommodation and transportation.

**How to Reach:**

MCKVIE is 30 minutes drive from Netaji Subhash Chandra Bose Airport, Kolkata. The Institute is located on G.T. Road (North), 8 kms away by road from the railway station of Howrah, which is the main gateway station of Howrah-Kolkata twin city region. It is about 13 kms away from Esplanade/ Park Street. Nearest railway station is LILUAH (Howrah-Burdwan main & chord line), from which Cycle rickshaw is available to the College. Bus stoppage is Liluah/ Liluah Station Road. (Route No.54, 54/2, 51, 56, Belur Math- Esplanade Minibus, Bally Khaal- Khidirpur Minibus from Bally Ghat/ Bally Khaal, Esplanade, Howrah)

**Address for Correspondence:**

**Dr. Ranjib Biswas/ Mr. Manik C. Das**

**Two Days International Workshop on Low Carbon Development:  
Carbon Capture and Carbon Sequestration Technology Route  
MCKV Institute of Engineering  
243, G.T. Road (North), Liluah  
Howrah- 711204, West Bengal, INDIA**

E-mail: [me.aue.mckvie@gmail.com](mailto:me.aue.mckvie@gmail.com)

Phone Number: +91 9830384626/ +91 9830086991 / +91 9432149453

Fax: +91 33 26549318

**Alternative Contact Persons:**

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Mob: +91 9734850956

**REGISTRATION FORM**

**Two Days International Workshop on Low Carbon  
Development: Carbon Capture and Carbon  
Sequestration Technology Route**

**February 12-13, 2014**

Name of the Applicant: Prof./Dr./Mr./Ms. (In Capital)

Designation .....

Affiliation .....

Postal Address for Correspondence: .....

E-mail id. ....

Phone No. (Off.)..... Fax .....

(Mobile).....

**Payment Details:**

Demand Draft No & Date:..... Amount: INR .....

Issuing Bank and Branch .....

Place: .....

Date: ..... Participant's Signature

**SPONSORSHIP CERTIFICATE**

The applicant is hereby sponsored and will be permitted to attend the above workshop, if selected.

Date: ..... Signature and Seal of the Sponsoring Authority

**Note:** Photo copies of this form may also be used for registration. The demand draft for the payment of registration fee should be drawn in favour of "MCKV Institute of Engineering", payable at *Kolkata* and to be sent along with duly filled registration form to *The Coordinator, Two Days International Workshop on Low Carbon Development: Carbon Capture and Carbon Sequestration Technology Route, MCKV Institute of Engineering, 243, G.T. Road (North), Liluah, Howrah- 711204, West Bengal, INDIA.*

**Two Days International  
Workshop on  
Low Carbon Development:  
Carbon Capture and Carbon  
Sequestration Technology Route**

**February 12-13, 2014**

*Organized by:*

**Mechanical Engineering Department  
&  
Automobile Engineering Department  
of  
MCKV Institute of Engineering**

*In collaboration with*

**Nexgen Systems Corporation, Maryland, USA**

**MCKV Institute of Engineering**

**Approved by AICTE & Affiliated to WBUT**

**243 G.T. Road (N), Liluah, Howrah 711204,  
West Bengal, India**

**Ph +91 33 26549315/ 17 Fax +9133 26549318**

**Visit us at: [www.mckvie.edu.in](http://www.mckvie.edu.in)**

### About the MCKVIE:

MCKV Institute of Engineering (MCKVIE) is one of the premiers and the oldest among self-financed institutes in this region affiliated to West Bengal University of Technology (WBUT) and approved by AICTE, Govt. of India. It is accredited by National Board of Accreditation (NBA), ISO 9001:2008 certified and World Bank (TEQIP-II) funded institute aspiring to be an Autonomous institute soon. Established in 1999, the institute has travelled a long way towards academic excellence and established its credibility in creating an ideal platform for meaningful technical education. The institute offers 4 years B.Tech. degree courses in Mechanical Engineering, Automobile Engineering, Electronics and Communication Engineering, Electrical Engineering, Information Technology and Computer Science & Engineering, 2 years M.Tech. degrees in Automotive Technology, Electronics & Communication Engineering (Communication and VLSI) and Computer Science & Engineering and 3 Years Masters of Computer Application (MCA).

### About the Mechanical Engineering Department:

Mechanical Engineering Department, a major strength of this institute, was established in the year 2008. The department is committed to the well being and all round development of its students by providing a stimulating environment for the healthy development and free exchange of ideas. It has well equipped laboratories, workshops and state-of-the-art infrastructure. The faculty members of the department are well qualified, actively engaged in research work and published several research papers in National and International Journals of repute.

### About the Automobile Engineering Department:

MCKVIE is the first engineering college in Eastern India to start a B-Tech course in Automobile Engineering in the year 2003 with an intake capacity of 60. Later on M. Tech program in Automotive Technology has been introduced in the year 2012. The department is being run by well qualified and experienced faculty members with several years of exposure in Automobile Engineering. Apart from many sophisticated Automobile Engineering Laboratories, including a modern workshop, the department boasts of a fully developed CAD Lab in collaboration with M/s Dassault System for designing of automobile components and a state of the art laboratory in Automobile Engineering in collaboration with M/s Volvo-Eicher Commercial Vehicle for detailed study of high power vehicle systems.

### About the Nexgen Systems Corporation, USA:

NexGen Systems Corporation (NexGen) is a Washington, DC area-based consulting organization that provides support to U.S. government agencies in the energy and environment areas. As a consultant to U.S. Department of Energy's Office of Fossil Energy (DOE/FE), NexGen has been providing technical and management support to a number of DOE/FE programs including its Clean Coal program, in particular, the Carbon Capture, Sequestration and Utilization (CCS) program.

In order to accomplish DOE/FE's CCS Outreach program objectives, NexGen offers technical and other assistance to educational and training institutions in such activities as planning and organizing seminars & workshops, developing course curriculum, sharing of research results etc for the exchange and dissemination of information about CCS technologies and projects funded by DOE/FE.

### About the Workshop:

World energy consumption is expected to jump to 820 quadrillion Btu in 2040 from 524 quadrillion Btu in 2010. Till date a major portion of the total consumed energy is supplied by fossil fuel. Demand for electric power in industrial, transportation and residential/commercial segments drives demand for electricity generation. This high amount of electricity production causes burning of fossil fuels as the major source of the energy is fossil fuel. This results in not only carbon emission in the atmosphere but also causes global warming, climate change, flood, draught any many more natural calamities. All this incidences put a question mark before the sustainability of the existence of mankind. Now the researchers are working around the world on this burning issue to save the mankind with proper fulfillment of their basic need of energy.

MCKVIE, Liluah, Howrah has taken the initiative in collaboration with Nexgen Systems Corporation, Maryland, USA to spread the message and share knowledge among the researchers, faculty members, students and industry personalities to lower the emission level occurring for energy production in power and transport sector by using the concept of carbon capture and sequestration.

### Who Can Participate?

Faculty members, students and research scholars from universities and engineering colleges, individuals from R&D Institutions, Industries etc.

### Registration Fees:

Students & Research scholars:	INR. 200
Faculty from Academic Institution:	INR. 500
Participants from Industry & R&D Institution:	INR. 1000

Last date for Registration is 8<sup>th</sup> February, 2014, which may also be confirmed by sending scanned copy of duly filled up Registration Form and Demand Draft to [me.aue.mckvie@gmail.com](mailto:me.aue.mckvie@gmail.com)

### Tentative Schedule:

#### Day 1: 12<sup>th</sup> February, 2014

9:30 A.M. – 10:00 A.M.	Registration
10:00 A.M. – 11:00 A.M.	Inauguration <b>Chief Guest:</b> Prof. Ranjan Bhattacharya, Hon'ble Vice Chancellor, WBUT <b>Guest of Honour:</b> Mr. Asok Motayed, Chairman, Nexgen Systems Corporation, USA
11:00 A.M. – 11:15 A.M.	Tea Break
11:15 A.M. – 12:15 P.M.	<b>Keynote Lecture:</b> Dr. P. Abdul Salam, School of Environment and Resource and Development, Asian Institute of Technology, Thailand
12:15 P.M. – 1:20 P.M.	<b>Invited Lecture:</b> Dr. Sudip Ghosh, Dept. of Mechanical Engineering, BESU, Shibpur, Howrah.
1:20 P.M. – 2:20 P.M.	Lunch
2:20 P.M. – 3:00 P.M.	<b>Lecture:</b> Prof. Amitosh De, Automobile Engg. Dept., MCKV Institute of Engineering.
3:00 P.M. – 3:30 P.M.	<b>Interactive Session</b>

#### Day 2: 13<sup>th</sup> February, 2014

10:00 A.M. – 11:00 A.M.	<b>Invited Lecture:</b> Prof. Amitava Dutta, Professor, Dept. of Power Engineering, Jadavpur University, Kolkata.
11:00 A.M. – 11:15 A.M.	Tea Break
11:15 A.M. – 1:00 P.M.	<b>Panel Discussion:</b> <b>Panelists:</b> Dr. P. Abdul Salam, School of Environment and Resource and Development, Asian Institute of Technology, Thailand. Prof. B. K. Dutta, Chairman, WBPCB. Prof. Prasanta Das, IIT Kharagpur. Prof. Amitava Dutta, JU, Kolkata. Prof. Sudipta De, JU, Kolkata. Mr. Rabi Chowdhury, Executive Director, CESC. Prof. Amitosh De, MCKV Institute of Engineering. <b>Moderator:</b> Prof. Samir Kumar Saha, MCKV Institute of Engineering.
1:00 P.M. – 2:00 P.M.	Lunch
The End	