



Amrita Vishwa Vidyapeetham is one of the youngest groups of higher education institutions in India to be conferred the "University" status under "Section 3 of UGC Act 1956" by the Government of India in 2003 and the first to have a multi-disciplinary, multi-campus set-up. The university's headquarters is based at Coimbatore with the remaining campuses located at Amritapuri, Kochi, Bangalore and Mysore. Amrita University is emerging as one of the fastest growing institutions of higher learning in the country. Amrita Vishwa Vidyapeetham is managed by Mata Amritanandamayi Math with Satguru Sri Amritanandamayi Devi (AMMA), one of the foremost humanitarian leaders in the world today, as the Chancellor. The university offers high-quality undergraduate, postgraduate and doctoral programmes in Engineering, Business, Medicine, Dentistry, Pharmacy, Nursing, Journalism, Biotechnology, Information Technology, Arts and Science, Health Sciences Education, Microbiology, Hospital Management, Communication & Visual Media Studies and Ayurveda. Based on the evaluation of all the campuses and programmes by a peer review committee, the university has been accredited with an 'A' grade by the National Assessment and Accreditation Council (NAAC).

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WORKSHOP on VIRTUAL LABS in CHEMICAL SCIENCES Monday 19th September 2011



NME-ICT
MHRD
Govt. of India



An initiative of the Ministry of Human Resource Development under the National Mission on Education through ICT at AMRITA VISHWA VIDYAPEETHAM - Kochi Campus



Organized by

The Department of Chemistry & VALUE Virtual Labs, Amrita Vishwa Vidyapeetham
www.amrita.edu/virtuallabs

What is a Virtual Lab?

A virtual laboratory is a media rich interactive online learning environment which allows the user to access and conduct computer simulated and remote triggered laboratory experiments. The objective is to provide an immersive learning experience that will allow both students and teachers to access an online community hub to share and enhance their understanding through a wide range of educational resources. These include videos, animations, simulations, exploration of experimental parameters and workbooks to capture results that mimic real life experimentation.

Virtual and Accessible Laboratories for Universalizing Education - VALUE @ Amrita

Amrita University's virtual labs implement state-of-the-art technology in providing computer simulated experiments through their virtual labs website which is made available to all via the internet. Amrita University collaborates with IITs (Delhi, Kanpur, Kharagpur, Bombay, Madras, Guwahati, Roorkee), NIT (Suratkal), IIIT (Hyderabad), Dayalbagh University, COE (Pune) for this project under the National Mission on Education through ICT (NME-ICT) sponsored by MHRD, Government of India.

Running virtual labs on a computer does not require any additional hardware equipment at the user's premises. All that is required to access virtual labs is a computer terminal with a broadband internet connection.

Workshop objectives

- Offer an introduction to the concept of virtual lab in Chemistry
- Provide hands-on experience accessing online virtual labs
- Demonstrate the use of virtual labs as a teaching tool for educators of UG/PG students
- Provide a forum for faculty from various institutions to interact with the Virtual Labs team

Amrita University is pioneering labs in areas such as:

- Physical chemistry
- Organic chemistry
- Inorganic chemistry

This project is an initiative of the Ministry of Human Resource Development under the National Mission on Education through ICT. These experiments and labs will be hosted for open access through the main project website:

www.amrita.edu/virtuallabs



General Information:

- There is no registration fee for attending this workshop
- Each Institute/College can nominate a maximum of three faculty members per department for participation
- Nominal TA/DA will be supported
- Certificate of participation will be issued
- Registration can be done using the enclosed form or through website registration link at: www.amrita.edu/virtuallabs

Event details

Date : Monday 19th September 2011

Time : 9-30 am - 4-30 pm

Location : Amrita School of Arts and Science, Brahmasthanam, Edapally North P.O Kochi-682024.

Virtual Labs Organized by:

Dr. Krishnashree Achuthan, Principal Investigator, MHRD Virtual Labs project
Amrita Vishwa Vidyapeetham.

Workshop schedule

1. Registration
2. Introduction to virtual labs
3. Demonstration of virtual labs
4. Lab session (hands-on practice)
5. Interactive session
6. Concluding session

REGISTRATION FORM

To register online please visit:

www.amrita.edu/virtuallabs

Name :

Designation (Mr/Ms/Dr/other):.....

Name of Institute/College/University:.....

Labs taught (Eg: Organic chemistry, inorganic chemistry) :.....

Department:.....

Address :

.....

Mobile No:.....

Date :

Signature

Last date for registration - Wednesday September 14th, 2011

To register by post please send completed registration forms to:

VALUE@Amrita, TBI Building
Amrita Vishwa Vidyapeetham, Amritapuri campus
Kollam - 690525, Kerala, India

Alternatively, to register by phone please contact:

VALUE@Amrita Workshop Co-ordinator
Mob: 09496007417, Email: virtual_labs@amrita.edu