

The theme of the workshop: The theme of the workshop is to acquaint the students and researchers with the latest GIS, GPS and remote sensing techniques in Agri-Informatics. The central goal is also to make participants aware of what GIS and GPS offer, how it works and to give them personal experience analyzing spatial data sets and files so that they are more prepared to incorporate the tools in their own work. The workshop includes demonstration of GIS and GPS software and hands-on exercise to demonstrate the use of GPS. In addition to that the workshop will give Molecular Modeling Techniques from an algorithmic perspective in Bio-informatics so that they can use these as research tools in future. Workshop will focus on developing new algorithms such as Particle Swarm optimizations, Monte Carlo methods and On-the-Fly learning techniques to study the dynamics of Nanosystems.

Course Content:

- Introduction of GIs and GPS
- Remote Sensing and its Application
- Bio-Informatics
- Molecular Modeling

Resource Persons

- **Prof.(Dr) A. K. Bhattacharya**
School of Environmental Sciences
JNU, New Delhi
- **Prof. (Dr) D. K. Gupta**
Coordinator Bio-Informatics
University of Allahabad, Allahabad
- **Dr. Satya Raj**
Assistant Professor, School of Sciences
IGNOU, New Delhi
- **Dr. Deep Gupta**
Assistant Professor
Department of Civil Engineering,
COER, Roorkee
- **Dr. Satya S. Bulusu**
Assistant Professor
Coordinator Bio-Informatics
Shobhit University, Meerut

Chief Patron

Sh. Shobhit Kumar
Hon'ble Chancellor, Shobhit University

Patron

Sh. Kunwar Shekhar Vijendra
Hon'ble Pro-Chancellor, Shobhit University

Chairperson

Prof. (Dr) R.P. Agarwal
Vice Chancellor, Shobhit University

Co-Chairperson

Prof. (Dr) P.P. Singh
Director General, Shobhit University

Convener

Prof. (Dr) D.V. Rai
Dean, Faculty of Biological Engineering
Shobhit University

Organizing Secretary

Dr. Jyoti Sharma
Coordinator, Centre for Agri-Informatics
Dr. Satya Bulusu
Coordinator, Centre for Bio-Informatics

Organizing Committee

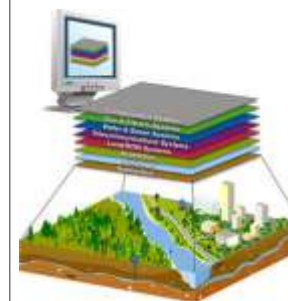
Prof. (Dr). Kusum Agarwal
Dr. Rekha Dixit
Dr. Jayanand
Dr. Maneesh Kumar Gupta
Mr. Sanjay. K. Sharma
Mrs. Nidhi Tyagi
Ms. Sarika Sahu
Mr. Vikas Chandra Gupta
Mr. Saravjeet Singh
Ms. Shiva Sharma



Shobhit University

(Shobhit Institute of Engineering & Technology)
EDUCATION EMPOWERS
A University declared by GOI u/s 3 of UGC Act, 1956

Workshop
On
Emerging trends in
Agri-Informatics and Bioinformatics
February 18, 2012



Organized By
Centre of Agri-informatics
and
Centre of Bioinformatics
Faculty of Biological Engineering
Shobhit University

About University

The journey to empower the nation through education particularly rural India has its origins from a remote village Gangoh followed by another village Dulhera in North India. It was in the year 1989, under the aegis of NICE Society, envisioned by Babu Vijendra Kumar Ji, an eminent agriculturist and social worker who had a dream to turn intellect into empowerment particularly for the downtrodden that the idea took shape. In the next few years his dream was nurtured by a team of eminent professionals, technocrats, educationists and social workers.

The University offers a wide range of programs in Computer Engineering and IT, Electronics Engineering, Biotechnology, Biomedical Engineering, Bioinformatics, and Agri informatics. The University is complimented by a highly distinguished and eminent faculty and strong research facilities at its 'smart campus'. Shobhit University offers graduate, post graduate and professional programs to the student community adopting best national and international practices. The University has progression agreements with partner Universities abroad such as University of Westminster, UK, Deakin University, Australia and various MOUs with Industry and other Institutions. The University campus is Wi-Fi enabled with round the clock power supply and well furnished hostel accommodation. Shobhit University is an ISO 9001:2008 accredited institution and is included in the list of Universities maintained by the International Association of Universities.

The University offers very rich, intellectually rewarding global learning experience through the Open Source Learning Centre (OSLC), interaction with eminent national and

international personalities through the Ignited Minds Lecture Series (IMLS) under the Millennium Project and various innovations and initiatives such as International Skills Development Centre (ISDC), India International Exchange (IIE), and a Finishing School. The University takes pride in its commendable placement record and a very dynamic globally placed Alumni Network.

Centre for Agri-Informatics

An integral part of Shobhit University the Centre for Agri-Informatics was developed as to meet the long-felt need of imparting technical education with the global perspective. The aim the Centre is to train experts who are capable of developing and managing informatics systems for Agricultural and Bio Sciences in our knowledge based information society

Centre for Bio-Informatics

Centre for Bio-Informatics is one of the important centre of Shobhit University. Centre for Bio-Informatics is aimed to provide an in-depth theoretical and practical education in the field of Bio-Informatics. Main objectives of the Centre are to equip students with computational skills and to help them use computational methods to study, organize, analyze and interpret biological information at molecular, genetic and genomics levels, to develop innovative tools, to equip students with programming skills in addition to knowledge of molecular biology software packages, and to develop a world class human resource in bioinformatics.



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Registration Form

Name:

Designation:

Organization/Institute:

Address :

Phone/Mobile:

E mail:

Registration Fee:

Delegates Rs. 150/-

Date:

Place:

(Signature of the Applicant)

Send the duly filled registration form to:

Dr. Jyoti Sharma

Co-ordinator - Agri-informatics

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