



# Shobhit University

Estd. u/s 3 of UGC Act 1956

EDUCATION EMPOWERS

NAAC Accredited

## Short Term Job Oriented Summer Training & BIOLOGICAL SKILLS DEVELOPMENT PROGRAM

July 01 -15, 2016

### School of Biological Engineering and Sciences

## MODULES

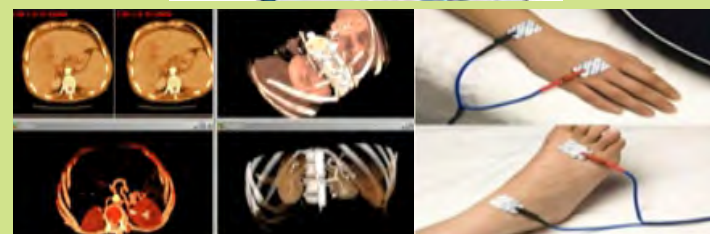
### Module 1 Tissue Culture & Molecular Biology Techniques

- Preparation of Tissue Culture Media and Explants for Micro-propagation
- DNA Extraction from Plant and Gel Electrophoresis
- Qualitative and Quantitative Estimation of DNA, RNA and Protein



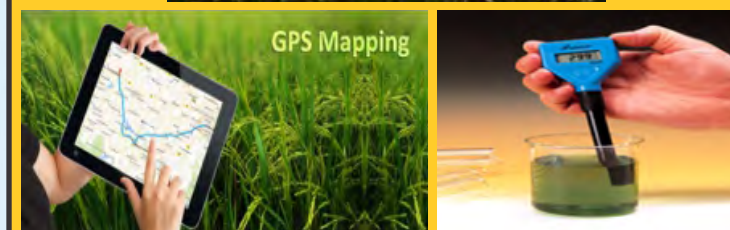
### Module 2 Physiological Parameter Analytical Techniques

- Acquisition and Analysis of Bioelectrical Signal using BIOPAC and MATLAB.
- Digital Image Processing using MATLAB and its Biomedical Application.
- Non-invasive techniques for physiological parameter analysis and Body composition analysis using MFBI



### Module 3 Agricultural Tools and Techniques

- Advanced Methods for the Biophysical Analysis of Soil.
- Techniques for water quality monitoring and waste water treatment.
- Application of Remote Sensing and GIS in Agriculture and Forestry.



## Celebrating to Being the Best Institution Promoting-Academia Interface Award 2016

### Aim

Our Training Programs provides opportunities to inspire young students to work in major areas of Biological Science. We have consistently offered **dynamic hands on training that builds industry-relevant skills** as well as **embellish confidence** in young minds.

This Program is especially designed for budding biological professionals who wish to understand the advanced aspects of Biotechnology, Biomedical and Agriculture Sciences and various other domains linked to it, as the internship program aims to provide conceptual aspect. The participants will be interacting with experts and will get acquainted with practical aspects of various techniques along with the underlying principles. Hands-on training will be under the direct supervision of the expert. Practical demonstrations and technical lectures are part of the workshop. The course is designed with a focus on market needs of Bio services sector.

### Objective

- To give an overview of a range of Biological Sciences and technologies.
- To give an exposure to working / live projects.
- To help enhance awareness of the students on various job option in Agriculture, Biotech and Biomedical sciences.

**Total Seats :** 50 (First come First Serve Basis)

**Eligibility :** Graduate and Post Graduate Students in all disciplines of Biological Engineering and Sciences / Industrialists/ Academicians and Research Scholars.

**Duration :** 15 days (July 01-15th, 2016)

**Course Fee :** Rs. 3000/- only for all modules

**Fooding and Lodging :** Accommodation, Breakfast, Lunch, Dinner will be provided on request in separate boys/girls hostel at Shobhit University Campus, subject to availability of seats @ Rs. 2000 per candidate. Trainee can make request for accommodation.

**Registration Process :** Please follow the mentioned steps for registration.

1. Download the registration form from University Website.
2. Attach the scan copy of any identity proof
3. Demand Draft in favor of "Shobhit University, Meerut"

Or

Candidate can also Submit the duly filled registration form along with required fee at the School of Biological Engineering and Sciences, Shobhit University Meerut.

**Last Date of Registration :** June 29th, 2016

Organizing Secretary

**Dr. Jayanand**

Dean, School of Biological Engineering and Sciences  
Shobhit University, Meerut.

Resource Person:

Dr. Vinod Kumar, Scientist ,AIIMS, New Delhi

Dr. Saravjeet Singh, Assistant Professor, DCRUST, Murthal

Dr. Satya Raj, Assistant, Professor, IGNOU, New Delhi

Dr. Rajeev Aggrawal, Cardiologist, Jaswant Rai Speciality Hospital, Meerut.

Coordinators

Dr. Jyoti Sharma, SU, Meerut

Dr. Maya Datt Joshi , SU, Meerut

Mrs. Shiva Sharma, SU, Meerut

Organizing Committee:

Dr. Manisha Rastogi, SU, Meerut , Mr. Rupesh Kumar, SU, Meerut

Mrs. BeenaRawat, SU, Meerut , Ms. Anvesha Sinha, SU, Meerut

Ms. VandanaKanyal , SU, Meerut , Mr. PriyankBharti , SU, Gangoh

Mr. MausamJain , SU, Gangoh, Mr. AashishMalik , SU, Gangoh

Mr. Vikas Kumar, SU, Gangoh

Contact Details

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