



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Department of Biotechnology

Certificate Course in Basics of Biotechnology

Duration: Six months

No. of Seats: 20

Course Fees: Rs. 20,000/-

This course aims to provide an interdisciplinary edge to young professional aiming to make a career in Biotechnology related industries. It has been found that graduates from non-life sciences background find it difficult to gain footing in such industries. This course will provide such individuals a basic understanding of biomolecules, microbiology, molecular biology and techniques used in biotechnology. This will give them advantage over traditional degree holders. The nature of this course is broad based and will give a good insight into modern biology and important component of hands-on training to the students.

Objectives:

- Working professionals and non-life science candidates may gain an appreciation and understanding of core principles of Biotechnology.
- Understanding the role of Biotechnology in present scenario.
- Understanding the basic principles of different aspects of Biotechnology: Molecular biology, Biomolecules, Microbiology, Immunology, Instrumentation etc.
- Develop a scientific temperament and a problem solving approach using biotechnological methods.
- To gain a practical knowledge about Instrument working and Industrial methods with respect to biotechnology.

Minimum Eligibility: Graduation in any Science/Technology field.

Course Timings: Weekends (15 hours a week)

No. of Credits: 20 (8 credits: Field work/Training)

1. Theory Hours: 180 (12 credits)
2. Practical Hours (Demonstration): 30 (2 credits)
3. Assignments, presentations, project and industrial visit hours: 90 (6 credits)

RESEARCH EXTENSION	
Paper Publication:	101
Books:	9
Research Projects:	4
Conferences:	2
Workshop /	
Hands-on Training:	3
Popular Lectures:	4
M.Phil : Awarded:	2
Registered:	2
Ph. D. : Registered:	11
Awarded:	2

CAMPUS AMENITIES
Canteen Gymnasium
Health Centre
Convention Hall
Wi-Fi Central Library
Boys and Girls Hostel
University Placement Cell
Indoor Stadium
Cricket Stadium
Amphitheatre

INSTRUMENTS
Orbital Shakers
Thermo Cyler
ELISA Reader
Electrophoresis Assembly
PAGE Assembly
Stereomicroscope
Flame Photometer
Cooling Centrifuge
Gel Documentation (Gel Doc)
Inverted Microscope
Laminar Flow Benches
Digital Spectrophotometer
UV-Vis Spectrophotometer
CO₂ Incubator



LABORATORIES
U. G. Lab.
P. G. Lab.
Bioprocess Lab.
Microbiology Lab.
Central Instruments Lab.
Plant Tissue Culture Lab.
Animal Cell Culture Lab.
Research Lab.



For More Details

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