

# RECOMBINANT DNA TECHNOLOGY

*45 Days Hands on Training*

Any Biology, Chemistry, Biotechnology, Microbiology  
Biochemistry, candidate can join

## TOPICS TO BE COVERED

- 1.Introduction To RDT & Laboratory
- 2.Basic tools in the biotechnology laboratory:  
Using a Micropipette, Calibrating Lab Instruments
- 3.Preparation of solutions.
- 4.DNA Isolation: From Plant Source, Animal Source,  
Plasmid Isolation
- 5.Manual Method of Restriction Digestion of DNA.
- 6.Competent Cells Preparation
- 7.Transformation
- 8.Screening of Trans-formants
- 9.Preparation of High-Molecular-Weight DNA Restriction  
Fragments in Agarose Plugs
- 10.Electro-elution of DNA Fragments from Agarose
- 11.Ligation of Insert DNA to Vector DNA
- 12.PCR Methods (Polymerase Chain Reaction)
- 13.DNA Amplification by the PCR Method



**Job Prospects: Molecular Research**

**Register  
Now**

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