

**Industrial Biotechnology Training**  
**Advanced Genetic Engineering (Standard)**  
**Session 2021-2022**

<b>Module Content</b>
Preparation of Molecular Grade Solution
Isolation of genomic DNA from prokaryotic sample
Isolation of genomic DNA from eukaryotic sample
Isolation of plasmid DNA from prokaryotic sample
Agarose Gel Electrophoresis and Quantification of DNA sample
Determination of melting temperature ( $T_m$ ) of DNA
SDS PAGE