



GURU NANAK INSTITUTE OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY

157/F, Nilgunj Road, Panihati, Sodepore, Kolkata – 700114

PROGRAM OUTCOME FOR B.SC GENETICS

- Understand the comprehensive and detailed chemical basis of heredity.
- Understand genetic methodology and how quantification of heritable traits in families and populations provides insight into cellular and molecular mechanisms.
- Understand how genetic concepts affect broad societal issues including health and disease, food and natural resources, environmental sustainability, etc.
- Understand the role of genetic mechanisms in evolution.
- Design, execute, and analyze the results of genetic experimentation in animal and plant model systems.
- Evaluate conclusions that are based on genetic data.
- Perform the mathematical, statistical, and computational basis of genetic analyses that use genome-scale data sets in systems biology settings.