SKILL WORKSHOP: MKU-RUSA
Computing Methods for Biologists: A Primer for Genomic Data Analysis
Feb 19-21, 2026
(MKU-RUSA Supported)

This MKU-RUSA Supported Skill workshop is designed as a preparative training for the Biologists, specifically Genomic Data Analysts to learn the basics of coding and other tools for using the computational pipelines for Genomic Data Analysis. Register Before 14th FEB 2026: Registration Link: https://forms.gle/oSm4JnkNmbvnmYU8A

Learning Targets:

1) Python: Basics of usage, working with strings, Operators, Control Statements and Functions.
2) Linux: Basic Commands, Control Statements, Regular Expressions & Piping Commands.
3) Pipelines : Logical Thinking & Applications
4) Working with Google Colab Environment : User interface, Create, Save and Running file
5) Working with Microsoft Visual Studio Environment: User interface, Create, Save and Running file
6) Working with Nextflow: Running the pipelines in Gitpod
7) Working with Docker : Running the Docker Images.
8) Working with GITHUB : Create Repositories/ Branches/Operations, Searching.
9) Essentials of R programming: control structures, common libraries, database /visualization / analysis packages
10) Tricks and Tips for Handling the Computational Genomic Analysis, Material Search

Course Coordinator: **Prof.G.Kumaresan**

Dept. of Genetics, School of Biological Sciences, Madurai Kamaraj University - *Students from Govt. colleges & Institutions are encouraged to apply.*