भाकृअनुप - राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
ICAR-National Academy of Agricultural Research Management
Rajendranagar, Hyderabad-500030, Telangana, India
https://naarm.org.in

MOOC on Introduction to Bioinformatics

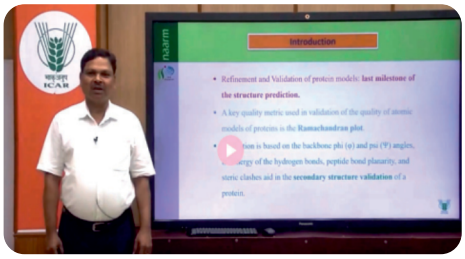
November 01 - 30, 2026

Bioinformatics integrates biology, computer science, statistics, and information technology to analyse and interpret biological data. The rapid growth of high-throughput technologies such as NGS, RNA-Seq, and GWAS has generated vast amounts of data, creating a growing need for skilled professionals in biological data analysis. The one-month MOOC on "Introduction to Bioinformatics" is designed to provide participants with a basic understanding of bioinformatics concepts, databases, tools, and applications, along with practical demonstrations of commonly used resources and computational approaches for biological data analysis. This course provides an opportunity

- To introduce the fundamental concepts of Bioinformatics and its applications in molecular biology, genomics, proteomics, and related life-science disciplines.
- To familiarize participants with essential biological databases, their organization, and the tools and resources available for efficient retrieval and analysis of biological information.
- To provide hands-on exposure to commonly used bioinformatics tools and online resources for solving basic biological research problems.

Course format

Participants shall access the content from the NAARM portal **https://elearning.naarm.org.in/** over 4 weeks which are mostly video lectures of 15-20 minutes duration supplemented with other resource materials. Most of the lectures will have integrated questions/discussions/assignments which have to be completed by the participants in a specific time limit. It may require 40 hours to complete the course over one month period.



Registration

Register online ONLY using the following link **https://forms.gle/jpqtLUrWicWREYAX6**. Participation will be confirmed through mail after verification.

Eligibility

UG/PG/PhD Students, faculty, scientist and others can apply for the course. Applications are open only to Indian nationals.

Certification

Participants shall secure minimum qualifying marks of 40 for participation and 50 for completion certificates. These scores are determined based on their level of engagement with all modules and participation in assignments/exercises/discussions and online evaluation.

Note: Students registering through their educational institution in a group of 50 or more can avail a certification fee of ₹590 per student (including GST), payable in bulk at the time of registration (non-refundable).

Course Fee

Registration fee: ₹100/- (non-refundable)
Certification fee: ₹.2360/- (including GST). which is non-transferable and non- refundable. It shall be paid only at the time of certification after successful course completion.

Important Dates

Registration	: October 1-31, 2026
Commencement of Course	: November 1, 2026
Course Completion	: November 30, 2026

Course Directors

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