



One Week
Training Programme
On

“Bioinformatics: Basics & it's Advancement”

[Date: 1st - 8th June 2023]

[Venue: DNA Labs, Dehradun, Uttarakhand]

MODE: HYBRID (ONLINE/OFFLINE)

BY



NABL (National Accreditation Board for Testing and Calibration) Accredited MC-4066, ICMR (Indian Council of Medical Research) Approved and ISO 9001:2015-Certified Laboratories



Shaping Minds to Scientific Approach

**DNA Labs - A Centre for Applied Sciences,
(DLCAS)
Dehradun, Uttarakhand**



Technical/Scientific Partner

SAMVET BHARAT™

(under the aegis of

Samvetan Society for Social and Scientific Research)

VPO: Nathuwala, Dehradun, Uttarakhand,

One Week Training Programme On “**Bioinformatics: Basics & it's Advancement**”

[Date: 1st - 8th June 2023] [Venue: DNA Labs Dehradun,Uttarakhand]

Eligibility:

Under Graduates, Post Graduates, Research Scholars

Duration:

One Week

Mode:

Hybrid (Online/Offline)

Fee:

Offline: ₹1000.00

Online: ₹700.00

Last date:

31st May 2023

Mode of Payment:

Offline: Cash/Cheque/Online

Registration Form Link

<https://forms.gle/sBQikLPJ58Z1P1cX9>

Scan & Pay



Account's Details

Name : DNA LABS- A Centre for Applied Sciences,
Dehradun, Uttarakhand

A/c. No. : 50200080979584

Bank : HDFC

Branch : Grd Floor, 92, Ajabpur Khurd, Haridwar
Bypass road, Mothrowala, Dehradun,
Uttarakhand

IFSC Code: HDFC00008009

Mobile Number for google pay/phone pay/Paytm etc.

9389433268

**For Any Queries, please contact us:
Email: sharmanarotam5@gmail.com
M.No. +91 9557650069**

One Week Training Programme On

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Program Details

Timing	Days	Session	Topics
2:15 PM -4:45 PM	Day 1	Session 1 Theory & Practical	✓ Introduction to Bioinformatics – Broad applications
2:15 PM -4:45 PM	Day 2	Session 2 Theory & Practical	✓ Biological Databases & It's types ✓ File formats of Biological Databases (i.e. FASTA, Genbank, EMBL, FASTQ)
2:15 PM -4:45 PM	Day 3	Session 3 Theory & Practical	✓ UCSC Genome Browser - Retrieving Sequence with coordinates and Gene Name
2:15 PM -4:45 PM	Day 4	Session 4 Theory & Practical	✓ Primer Designing using UCSC Genome Browser and Primer3, ✓ insilico PCR for Primer QC,
2:15 PM -4:45 PM	Day 5	Session 5 Theory & Practical	✓ Sequence Alignment & it's types
2:15 PM -4:45 PM	Day 6	Session 6 Theory & Practical	✓ Next Generation Sequencing Basics – and steps in NGS Data Analysis ✓ Structural Biology – Protein composition, Predicting Secondary structure of protein, Viewing protein structure in PyMol
2:15 PM -4:45 PM	Day 7	Valedictory & Certificate Distribution	