REPORTS

UKA TARSADIA UNIVERSITY

C.G. BHAKTA INSTITUTE OF BIOTECHNOLOGY

Online certificate course in Recombinant DNA Technology (Batch-28th)

- **Date:** 11th march 2025 to 29th March 2025
- **Venue:** Online mode
- **Time:** 6.00 pm to 8.00 pm
- **Total No. of Participants: 45**
- **Name of the Experts:** Dr. Gopal Jee Gopal, Dr. Ravi Vijayvargiya. MSU Baroda, Dr Abhishek Sharma, IARI Gandhinagar
- **If non-UTU Experts:** 1. Dr. Ravi Vijayvargiya (MSU, Baroda)
  2. Dr. Abhishek Sharma, IARI Gandhinagar
- **Event Coordinator:** Dr. Gopal Jee Gopal

- **Program objective:** To enhance participants' knowledge and practical understanding of Recombinant DNA Technology.
- **Program outline** (in two lines) : This is 32 hours online course in which participants were from all over India and ranging from G students to faculties.
- **Program outcomes** (in three lines): Total 45 students and scholars (from all over India) have attended this course.

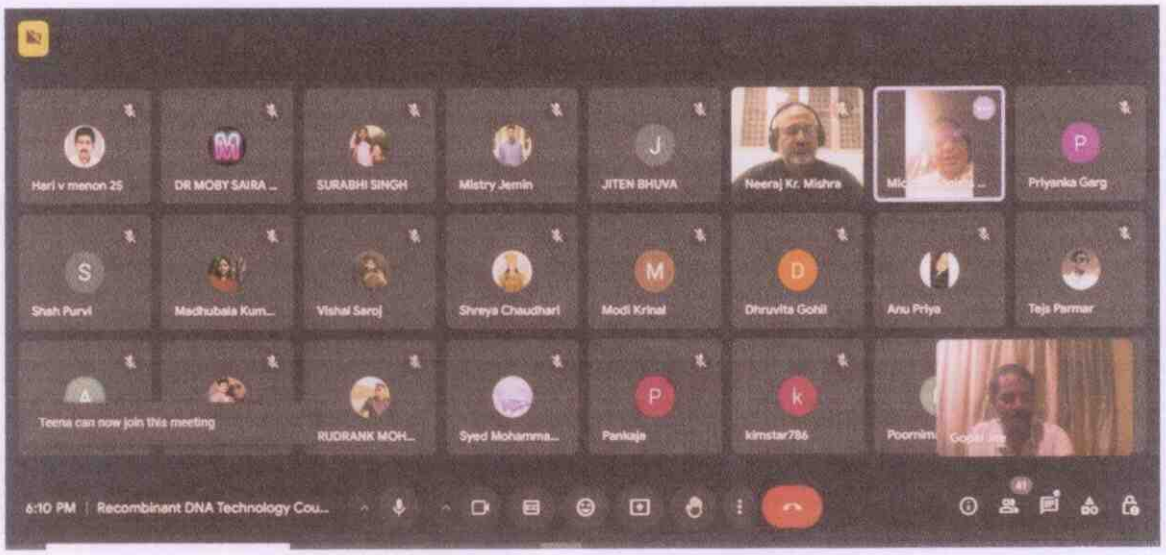
Schedule of Events in a tabular format

DAYS & TIME	ACTIVITY
DAY-1 (6.00 PM to 8.00 PM)	Inauguration (20 minutes), Introduction to RDT. Why should we study RDT?
DAY-2 (6.00 PM to 8.00 PM)	Basic Techniques used in RDT: Gel electrophoresis (>10 types) will be Continued…. next day
DAY-3 (6.00 PM to 8.00 PM)	Blotting techniques, Sequencing
DAY-4 (6.00 PM to 8.00 PM)	PCR: Normal PCR, RT-PCR, PCR plateau, Real time PCR, Error prone PCR etc. (>10 types of PCR
DAY-5 (6.00 PM to 8.00 PM)	Frequently used chemical and mathematical calculations
DAY-6 (6.00 PM to 8.00 PM)	Players of Gene cloning
DAY-7 (6.00 PM to 8.00 PM)	Players of RDT: DNA modifying Enzymes, Vector
DAY-8 (6.00 PM to 8.00 PM)	Cloning and Expression vector pBR322, pUC, pET, pMAL, Bacteriophage, Cosmid, Phagemid. YAC, BAC etc.
DAY-9 (6.00 PM to 8.00 PM)	Strategy for gene/DNA Cloning: Isolation of gene, ligation, Introduction of recombinant DNA into host and screening.

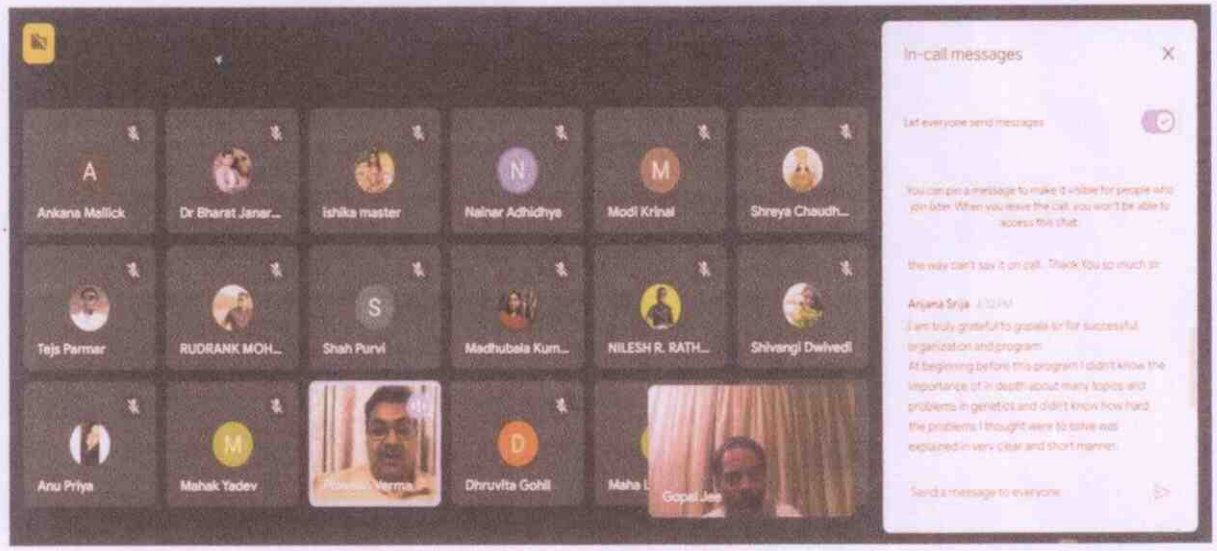
DAY-10 (6.00 PM to 8.00 PM)	Complete Steps of PCR based gene cloning.
DAY-11 (6.00 PM to 8.00 PM)	Expression of foreign gene in *E. coli* (More than 10 types of Expression host)
DAY-12 (6.00 PM to 8.00 PM)	Strategy to produce Recombinant protein in eukaryotic host, (Dr. Ravi Vijayvargiya)
DAY-13 (6.00 PM to 8.00 PM)	Exploring the function of the gene. Protein Engineering
DAY-14 (6.00 PM to 8.00 PM)	Plant Genetic Engineering. (Dr. Abhishek Sharma)
DAY-15 (6.00 PM to 8.00 PM)	Protein-Protein Interaction
DAY-16 (6.00 PM to 8.00 PM)	Protein -DNA interaction. Valedictory

Online certificate course in Recombinant DNA Technology (Batch-28th)

Online certificate course in Recombinant DNA Technology (Batch-25th) has been successfully conducted from 11th march 2025 to 29th March 2025 by Dr. Gopal Jee Gopal. Participants were from all over India and ranging from UG students to Scientists and faculties. Participants were from not only state Universities and private Universities but also from central Universities and Bhabha atomic Research centre also. In addition to Dr. Gopal Jee Gopal, Dr. Ravi Vijayvargiya. MSU Baroda and Dr. Abhishek Sharma, IARI Gandhinagar has also delivered lecture (2 hours each). We thank our Director, Prof. Dr. Meonis Pithawala, honourable Vice Chancellor Dr. Yogeshwar Kosta and Honorable CEO. Dr. Dinesh R. Shah for all the freedom to execute programme successfully. Inauguration was graced by Prof. A.M. Deshmukh, President, MBSI and Prof. Niraj Mishra, Associate Professor, Gitam University, Valedictory of course was graced by Prof. Praveen Verma, Professor, School of Lifescience, Jawaharlal Nehru University, New Delhi.



Inauguration of 28th Batch



Valedictory of 28th batch

Oral feedback shared by participants: https://youtu.be/Es6cKGTM6Io

Feedback shred on LinkedIn Post:

https://www.linkedin.com/posts/gopal-jee-gopal-a2312529_biotechnology-recombinantdna-biootecheducation-activity-7311974626971074560-YoRz?utm_source=share&utm_medium=member_desktop&rcm=ACoAAAXkJXsBhDReVh3j8ECAjSC8cnQ9CqACNZ8

Gopal Jee Gopal

Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Teacher of Recombinant DNA technology.Consultant.Advisor. Founder science dialogue series.

Followers 6,350

Add a comment...

Most relevant

Avneet Kaur · 1st
Research enthusiast| MTech Biotechnology|
5d

Attended this course. it was one of the best and most informative courses i have attended online. Got to learn alot about technical aspects of Recombinant DNA technology. Gopal sir's approach of making things understandable is truly commendable . Looking forward to attend more such courses.

Like 1 | Reply 1 reply

Gopal Jee Gopal Author
Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Te...
4d

Avneet Kaur Thank you so much.

Gopal Jee Gopal

Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Teacher of Recombinant DNA technology.Consultant.Advisor. Founder science dialogue series.

Followers 6,350

nainar adhidhya · 1st
Studying BSc. Biotechnology|
1w (edited)

This was a wonderful and enlightening experience, where dr. Gopal Jee Gopal sir gave us a summarised version of his 12 years of research experience. and I'm glad that I have attended this course. Thank you Dr. Gopal Jee Gopal sir for your support and for answering my questions. even the silly ones. I'm lookii ...more

Like 1 | Reply 1 reply

Gopal Jee Gopal Author
Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Te...
1w

nainar adhidhya Thank you Dear for making my session more interactive by asking questions.

Like 1 | Reply | 129 impressions

nk copied to clipboard. View post

Search

Home My Network Jobs Messaging Notifications

Shreya Chaudhari · 1st
Research Assistant Nutraceuticals & Agri formulations | Microbiol...
1w

Just completed Gopal Sir's online Recombinant DNA Technology (RDT) course, and it was a truly great experience! I learned so much, and the way complex concepts were explained made it really engaging. Grateful for the knowledge and guidance throughout the course. Thank you, Gopal Sir!

Recombinant DNA technology.

Like 1 | Reply | 166 impressions

Gopal Jee Gopal

Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Teacher of Recombinant DNA technology.Consultant.Advis

Pankaja Vaidya · 1st
Third year student at Department of Biotechnology, Abasaheb Ga...
1w

Glad to have signed up for this Recombinant DNA Technology course - learnt several new things as well as gained clarity on fundamentals too! Thank you sir for your personal attention to ensure all the concepts were cleared during the duration of this course.

Like 1 | Reply 1 reply

Gopal Jee Gopal

Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Teacher of Recombinant DNA technology.Consultant Advis er. Founder science dialogue series.

Followers 6,150

Like Reply 24 impressions

Tejaskumar Parmar • 1st

Attended PARUL INSTITUTE OF ENGG. AND TECH., LIMDA, VAGH...

The session on Recombinant DNA Technology conducted by Gopaljee Gopal Sir for the 28th Batch was highly insightful and well-structured. The explanations were clear, making complex topics easier to grasp. The integration of real-world applications and interactive discussions greatly enhanced the learning experience.

To further improve, incorporating hands-on demonstrations or virtual simulations would strengthen practical understanding. Additionally, an extended Q&A session could help address more queries in depth.

Overall, it was an excellent and engaging session that provided valuable knowledge on genetic engineering. Looking forward to more such informative sessions!

Like 1 Reply 1 reply

Gopal Jee Gopal Author

Asst. Prof. U.T.U. Biotechnologist and Bioentrepreneur. Te...

Tejaskumar Parmar Thank you so much for making my course interactive and also thank you for your

Gopal Jee Gopal

Dr. Gopal Jee Gopal

Course Coordinator

Dr. Meonis A. Pithawala

Director

Director
C. G. Bhakta Institute Of Biotechnology
UKA TARSADIA UNIVERSITY
Bardoli- Mahuva Road, Tarsadi-39435(
Dist. Surat (Gujarat) INDIA

C. G. Bhakta Institute of Biotechnology
UKA TARSADIA UNIVERSITY