

RuSETUP – 2023

INYAS Flagship event on

Rural Science Education and Training Utility Program (RuSETUP)

Organized by

Indian National Young Academy of Science (INYAS)

**Basic Training on molecular biology techniques for College
Teachers**

Schedule of the program

Day 1: Friday, October 6th, 2023

TIME	SESSION	RESOURCE PERSONS
09:30-10:30	Registration	Volunteers/INYAS members
INAUGRAL SESSION		
10:30-10:40	Welcome address	Prof Soumen Das, Dean (Officiating) BMRC and Chairman SMST, IITKGP
10:40-11:00	Briefing about INYAS and RuSETUP	Prof Mahitosh Mandal, Asso. Dean BTBS
11:00-11:30		Dr. Rajendra S. Dhaka Chair, INYAS (Associate Professor, IIT Delhi)
		Dr. Budhaditya Mukherjee and Dr. Nishant Chakravorty (SMST, IITKGP)

Tea Break (11.30-11:40)		
TECHNICAL SESSION-1		
11:40 - 12:30	DNA isolation: Methods and Buffers Basic concepts of Genomic and Plasmid DNA (Theory)	Volunteers/INYAS members
LUNCH BREAK (12:00-13:30)		
TECHNICAL SESSION-2		
13:30-16:15	Genomic DNA isolation (Batch 1) Plasmid DNA isolation (Batch-2) and vice versa	Volunteers/INYAS members
16:15 - 16:45	Test-Day-1	Volunteers/INYAS members
TEA BREAK (16:45-17:00)		

Day 2: Saturday, October 7th, 2023

TECHNICAL SESSION-3		
TIME	SESSION	RESOURCE PERSONS
10:00 - 10:30	Basics of PCR amplification, qPCR and Bacterial Transformation (Theory)	Volunteers/INYAS members
10:30 - 11:00	Checking of isolated DNA from Day 1 in Agarose gel	Volunteers/INYAS members
Tea Break (11:00 -11:10)		
TECHNICAL SESSION-4		
11:20 - 13:00	PCR amplification (Batch1) and Transformation of Plasmid DNA (Batch2)	Volunteers/INYAS members
Lunch Break (13:00-14:00)		
TECHNICAL SESSION-5		
14:00 – 16:00	PCR amplification (Batch1) a and Transformation of Plasmid DNA (Batch2)	Volunteers/INYAS members
16:00-16:30	Test Day 2	Volunteers/INYAS members
16:30 -17:00	Feedback Tea and Departure	