



Department
of Biotechnology
Govt. of India

Shivaji College

NAAC Accredited A Grade

University of Delhi

Under the aegis of DBT sponsored Star College Scheme
Organizes

LABORATORY SKILL TRAINING PROGRAMME for

Laboratory Assistants/Attendants in the Chemical and Life Sciences Laboratories February 8-12, 2021 (10:00AM – 2:00PM)

Link for the registration form: <https://forms.gle/NMAKQWaStLg4U8n98>

Last date of registration: February 7, 2021

Biochemistry
Botany
Chemistry
Zoology

Convener

Dr. Renu Baweja
Dr. Anuradha Mal
Dr. P. K. Sahu
Dr. Deepika Yadav

Co-convener

Dr. Jayita Thakur
Dr. Pratima Rani Sardar
Dr. Richa Arora
Ms. Nimita Kant

Dr. Darshan Malik
Coordinator, Star College Scheme

Certificates will be given to all the participants

Dr. Shiv Kumar Sahdev
Officiating Principal



SHIVAJI COLLEGE
Accredited by NAAC with 'A' Grade
(University of Delhi)
RAJA GARDEN
NEW DELHI-110027

**Inter College Laboratory Skill Training Programme for
Assistants/Attendants in the Chemical and Life Science Laboratories
February 8-12, 2021**

PROGRAMME SCHEDULE

Day 1: February 8, 2021, 10:00 AM to 2: 00 PM

9:30 AM Registration
10:00 - 11:00 AM Inaugural Session
11:30 AM Tea
11:30 AM Department Biochemistry

Department of Biochemistry

Sessions and Resource Persons				
Inaugural Session	Session I	Session II	Session III	Session IV
Biohazards and Biosafety	Good Laboratory Practices: Role of Lab Staff	Hands on Practice for Operating Oven, Incubator, Microwave, and Deep Freezer for Laboratory Work	Sterilization Techniques: Working knowledge of Autoclave and Laminar Hood	Agarose Gel Electrophoresis: Dye Preparation and Gel Casting
Dr. Darshan Malik	Dr. Sunita Singh	Dr. Neena R. Wadehra Dr. Usha Yadav	Dr. Rahmi Wardhan Dr. Renu Baweja	Dr. Jayita Thakur Dr. Sunita Singh

Day 2: February 9, 2021, 10:00 AM to 2: 00 PM

Department of Chemistry

Sessions and Resource Persons				
Session I	Session II	Session III	Session IV	Session V
Calibration of Instruments and Glasswares: Pipette, Burette, Thermometer etc.	Organic Practical Apparatus Arrangement: Distillation Apparatus & TLC	Preparation of Solutions: Normal, Molar Solutions etc.	Volumetric Analysis: Titrations, indicators	Instrumentation: pH meter, potentiometer, colorimeter, conductometer
Dr. A.K. Aggarwal, Mr. Deepesh Singh, Dr. Uma Narang	Dr. B.M. Kandpal, Dr. N. G. Giri, Dr. Pooja Saluja, Dr. Pallavi Agarwal	Dr. Manjula Singh, Dr. Neena Khanna, Mr. Narinder Kumar, Dr. Sunil Yadav	Mr. M.K. Meena, Dr. Rahul Singhal, Dr. Shilpa Jain, Ms. Priyanka Kumari	Dr. P. K. Sahu, Dr. Rajni Kanojia, Dr. Vandana Katoch, Dr. Richa Arora

Day 3: February 10, 2021, 10:00 AM to 2: 00 PM

Department of Zoology

Sessions and Resource Persons			
Session I	Session II	Session III	Session IV
Buffer Preparation	Instrumentation: Colorimeter & Spectrophotometer Care and Handling	Museum Keeping	Media Preparation
Dr. Jitendra K Chaudhary Dr. Parul Kulshreshtha Dr. Neetu Singh	Dr. Deepika Yadav Dr. Tarun K Vats Dr. Rakesh Roshan	Mr. Manish K. Sachdeva Dr. Aeshna Nigam Dr. Ankita Dua	Ms. Nimita Kant Dr. Nidhi Garg

Day 4: February 11, 2021, 10:00 AM to 2: 00 PM

Department of Botany

Sessions and Resource Persons			
Session I	Session II	Session III	Session IV
Microscopy: Introduction to Microscopy, use and Maintenance. Preparation of Slides	Pipette and Micropipette: Use and maintenance of Pipettes and Micropipettes	Staining Stains: Uses and preparations	Hands on Practice for Operating Centrifuge Introduction to Centrifuge: Its use and maintenance
Dr. Anuradha Mal Dr. Prabhavati Dr. Seema Talwar	Dr. Anita Kapur Dr. Kiran Bamel Dr. Divya Mohanty	Dr. Vijay Kumar Dr. Pratima Sardar Dr. Nupur Mondal Dr. Anurag Maurya	Dr. Smita Tripathi Dr. Misha Yadav Dr. Devender S. Meena

Day 5: February 12, 2021, 10:00 AM to 2: 00 PM

10:00 AM Assessment and Feedback

11:00 AM Valedictory Session in Auditorium