



## Two Days NATIONAL WORKSHOP (1<sup>st</sup> & 2<sup>nd</sup> March 2021)



Sponsored by  
**Department of Higher Education, U.P**

On

“Bioinstrumentations” & Hands-on “DNA Extraction, Purification & Agarose Gel Electrophoresis (Lab Session)”

Organized by

Government women P. G. College Ghazipur U.P. & MRD Life Sciences Lucknow



**Chief Patron**  
**Dr. Amit Bhardwaj**  
Director



**Patron**  
**Dr. Savita Bhardwaj**  
Principal



**Convener**  
**Dr. Akbare Azam**  
HOD Chemistry

Core Organizing Committee

Dr. Satyendra Singh  
Dr. Diwakar Mishra

Dr. B. N. Pandey  
Dr. Md. Ekhlak Khan

Dr. Santan Kumar Ram

## About the College

The Government Girls' P.G. College, Ghazipur was established on December 03, 1977. Its motto “**उत्तिष्ठत जाग्रत, प्राप्य वरीन्निबोधत**” (Arise, Awake, Find Learned People and Acquire Knowledge) inspired the college to achieve its objective of excellence in higher education. The college has been assessed by the NAAC (National Assessment and Accreditation Council, Bangalore, an autonomous organization of the UGC) in November, 2016 and accredited 'B++' grade. The college is well renowned in Uttar Pradesh for its healthy teaching-learning environment, administration and discipline maintained by its efficient and competent teaching and administrative staff. The college has a rich library with **e-library**, reading room and book bank facility. The college is a member of N-LIST (National Library and Information Services Infrastructure for Scholarly Content) to provide access to eresources to students, researchers and faculty members. All the departments have been provided with computers with LAN and Internet. The campus has its own Wi-Fi network.. The college has its a **Computer Lab** and an **EDUSAT Lab**. Extra-curricular activities include facilities for games, NCC (National Cadet Corps), and Rangers programmes. Students have shown exemplary performance in these activities. These extra-curricular activities help the students to develop their personality.

### Aims & objectives of Workshop

This workshop training will assist students for enchanting their efficiency and effectiveness at work by improving and updating their professional knowledge by developing skills relevant to their work and cultivating appropriate behavior and attitude towards work and people. While education is concerned mainly with enhancement of knowledge, training aims essentially at increasing knowledge, stimulating attitude and imparting skills related to a specific job. It is a continuous and life long process. Training provides an atmosphere of sharing and synthesizing, with the help of the trainers, the information already available on the subject. Training is a time bound activity program. Thus there is a separate specialized discipline of trainers socializing in the field of human activity. Learning evaluations are will be conducted before and after training program to assess the impact the program has had on the learning process. Evaluations assess whether participants have advanced in knowledge, skills and intellectual capacity as a result of the training. Learning evaluation tools include self-assessment using online questionnaires and tests, and formal assessment through interviews and observations. Learning evaluation is especially relevant for technical training because technical skill level changes are usually more quantifiable.

### Expected outcome of Workshop

Training improves the performance of students. Increase skill and efficiency results in better quantity and quality of production. A trained student will handle machines carefully and will use the materials in an economical way.

#### Major topics

1. Introduction of DNA & its Structure.
2. Types of DNA.
3. Genomic DNA Isolation.
4. Agarose Gel Electrophoresis.
5. Isolation of Genomic DNA from Plant leaves by CTAB method.
6. Separation of DNA using Agarose Gel Electrophoresis.
7. Analysis of result using UV Trans -illuminator.

Registration Fee : Rs. 1000/ per student ( Boarding & Lodging not included )  
Last date of Registration is 20<sup>th</sup> February 2021. After that no application is entertained

#### Registration Form

Name of Student: (Capital Letter) \_\_\_\_\_

Class: \_\_\_\_\_ Cash amount

College Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Email: \_\_\_\_\_

Phone/ Mobile No: \_\_\_\_\_

Signature of Student

**Note: Registration is only offline.**

#### Advisory Board

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