



# Internal Quality Assurance Cell (IQAC – SLC)

*along with*

## Department of Physics and Chemistry

**SLC (University of Delhi)**

**Shyam Lal College**

Accredited Grade A++ by NAAC, 68<sup>th</sup> Rank in NIRF

*in collaboration with*

## MAHATMA HANSRAJ FACULTY DEVELOPMENT CENTRE

**Hansraj College**

**University of Delhi**

Accredited Grade A++ by NAAC, 12<sup>th</sup> Rank in NIRF

*Under the aegis of*

**Malaviya Mission Scheme, UGC**

*is organizing a*

**One Week online Faculty Development Programme on**

**“Recent Advances in Basic and Applied Sciences”**

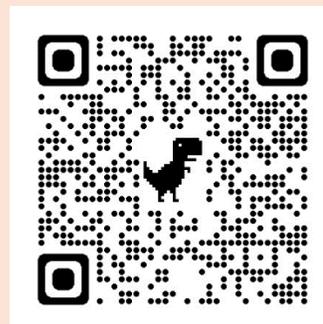
**Dec 11 - 16, 2023**

**Live Sessions on Zoom: (10:00 am – 1:00 pm)**

**Last Date to Register: Dec 05, 2023**

**Registration Link:**

**<https://forms.gle/wZQ4rKy6jdm5Em6Y9>**



## **ABOUT MADAN MALAVIYA MISSION SCHEME**

The Ministry of Education (MoE) has sought strengthening of the synergy and integration between HRDCs and PMMMNTT centers in order to meet the objective of NEP 2020, keeping in view the optimal utilization of infrastructure, human and financial resources. The scheme has been designed to implement some of the recommendations and aims of the policy, which suggests some key changes to the current higher education system to revamp and reenergize it and thereby deliver high- quality higher education, with equity and inclusion. This new phase of the scheme also aims to implement the recommendations of NEP viz. to improve the quality of teaching at all levels and in all domains; to focus on equity and inclusion in higher education and promote online and digital education; ensure equitable use of technology; promote Indian language and culture; develop basic infrastructure facilities; create awareness about gender sensitization; include vocational education in the curriculum; develop leadership and management skills; create pool of mentors and pedagogic experts; promote research and multidisciplinary education.

### **About Shyam Lal College**

SLC, a co-educational constituent college of the University of Delhi, was established in 1964. SLC being the oldest and pioneer college in East Delhi has been catering to the holistic educational requirements of the young generation. The College is rapidly emerging as a prominent educational institution of the University and has earned its legitimate claim as the most efficient and complete educational institution in the East Delhi region. The endeavors of the College have always been to make higher education more enjoyable, job oriented, meaningful and practical, and at the same time, more adaptable to the ever-changing demands of our society.

## **Internal Quality Assurance Cell (IQAC – SLC)**

Internal Quality Assurance Cell (IQAC) has been actively pursuing quality sustenance measures to ensure excellence in academic endeavor. In that context, IQAC becomes a part of the institution's system and works towards realization of the goals of quality enhancement and improvement. The prime task of the IQAC is to develop a system of conscious, consistent, and catalytic improvement in the overall performance of the institution.

### **About Hansraj College**

Hansraj College is one of the largest constituent colleges of University of Delhi and has been ranked as one of the top five colleges for Science, Arts and Commerce several times in the last decade. The faculty and students of the college have contributed immensely in the field of academics, sports and cultural activities. The college faculty is dedicated towards growth and development of the institution academically and administratively to constantly thrive for excellence. Hansarians have been placed in diverse professions and services worldwide and are bringing fame and laurels to the institution.

### **Details of Faculty Development Programme**

This FDP has been planned with the aim of disseminating knowledge in frontier areas of basic and applied sciences (Physics and Chemistry) leading to skill building and enhancement of a larger academic community. Motivating next generation teachers for developing India's capacity in research and innovation is the need of the hour. This programme aims to bring both experimental and theoretical communities together for

teaching-learning as well as research and provide a platform for imparting various developments in areas of basic and applied sciences.

For an effective faculty development three conditions are essential which are as follows.

1. The person must have a desire to change.
2. Knowledge of what to do and how to do it.
3. A supportive work environment.

Fortunately, the first two conditions can potentially be achieved through such faculty development programs and Shyam Lal College (SLC), under its able leadership, has emerged as a promising institution for fulfilling the last condition towards successful faculty development and enrichment. This programme aims to attract a capable and creative community of scholars and enhance their skills for better classroom engagements and research.

## **Objectives**

1. Preparing faculty members towards rapid changes and shifting paradigms in science education.
2. Focus on Learning by doing as always, the key to scientific temperament.
3. Effective classroom engagements.
4. Overall improvement in performance of faculty members in learning research and administration.

## Expected Outcomes

1. Exposure to new domains of knowledge.
2. Increase in confidence, motivation, and enthusiasm.
3. Instructional development, professional/career advancement and organizational enhancement.
4. Use of latest technology in classroom.
5. Exposure toward quality publications.

## Who Should Participate

Teaching faculties of universities and associated colleges, research scholars and scientists and career oriented UG and PG students.

## FDP Tracks

There will be two sessions on all days.

Day	Date	Sessions	
Day 1	Dec 11, 2023	Inauguration	Session 1
Day 2	Dec 12, 2023	Session 2	Session 3
Day 3	Dec 13, 2023	Session 4	Session 5
Day 4	Dec 14, 2023	Session 6	Session 7
Day 5	Dec 15, 2023	Session 8	Session 9
Day 6	Dec 16, 2023	Session 10	Valedictory

## Relevant Areas

Some of the relevant areas which will be covered in the programme are

1. Knowledge of tools in research.
2. Computational skills for advancement.
3. Innovation for effective classroom engagement.
4. Developing professional ethics, values and communication skills.

## Registration

Interested participants are requested to follow the steps mentioned below in order to register for the FDP. Participants are required to pay the registration fee of Rs.500 via NEFT/ IMPS/ UPI to the following account:

**Account: Principal, Hansraj College, FDC**

**Bank: Canara Bank, Hansraj College, Delhi**

**Type of Account: Savings**

**Account number: 2848101019873**

**IFSC: CNRB0002848**

**\*NOTE: Fee is Non-Refundable**

**Contact Email-id: fdp1.hrc@gmail.com**

Pre-registration to the programme is through online mode only. Participants are required to fill the registration form using the following link (Please ensure that you have payment proof before filling up registration form):

Registration Link: <https://forms.gle/wZQ4rKy6jdm5Em6Y9>

**The last date for registration is December 5, 2023.**

Participants will be informed by December 8, 2023. Attendance norms are strict. Participants are required to clear the assessment component for getting the e - certificates. Further details will be communicated to the registered participants.

## Eligibility

The programme is interdisciplinary and is open to all interested participants. All faculty members (Permanent/ Temporary/ Adhoc/ Guest) and Research Scholars from any university/ college are eligible to participate.

## Certificates

E-Certificates for the participants would be provided through the registered mail-id.

## **MHRFDC TEAM**

**Patron**

**Padma Shri Dr. Punam Suri**

Chairman, Governing Body, Hansraj College

**Chairperson, MHRFDC**

**Prof. (Dr.) Rama**

Principal, Hansraj College

**Coordinator, MHRFDC**

**Mr. Ashutosh Yadav**

**Deputy Coordinators, MHRFDC**

**Ms. Deepshikha Yadav**

**Dr. Anurag Kakkar**

## **SHYAM LAL COLLEGE TEAM**

**Patron**

**Prof. (Dr.) Rabi Narayan Kar**

Principal

**FDP Convenor**

**Dr. Reeta Sharma**

TIC Chemistry Department

**FDP Co-ordinator**

**Dr. Seema Dabas**

TIC Physics Department

**Members Organizing Committee**

**Dr. Pradeep Sharma, Dr. Kanika Solanki, Dr. Sunny Aggarwal, Dr. Padma**

**Dechan**