

SCIENCE FDP

Science FDP held on 10th to 16th December'2018

Department of Physics, Chemistry and Mathematics along with IQAC of SLC (University of Delhi), Shyam Lal College in collaboration with UGC-HRDC Jamia Millia Islamia, and CSIR-Institute of Genomics and Integrative Biology had organized a Faculty Development Programme for Science faculties titled "Advancements in Integrated Sciences: Learning and Adaptation for effective teaching and research" spanning from 10th -16th Dec, 2018. It registered 80 faculty members from across the University of Delhi and some other colleges of other universities. This FDP saw a galaxy of well-known personalities in the science subjects as eminent speakers. Director, UGC-HRDC, Jamia Millia Islamia, **Prof. Anisur Rahman**, inaugurated the programme along with the Principal, SLC, **Prof. Rabi Narayan Kar**. It is our Principal's guidance and support which made the convenors of the Programme, **Dr. Monika Goyal** (Physics), **Dr. Ashu Gupta** (Chemistry) and **Mr. Balram Kindra** (Mathematics) with their young team pulled off this seven day rigorous faculty development programme nicely which saw speakers like **Prof. Sanjay Jain**, Head, Department of Physics and Astrophysics, DU; **Prof. R.K. Sharma**, Department of Chemistry, D.U. and **Prof. C. S. Lalitha**, Head, Department of Mathematics, DU among others.

The valedictory programme saw a multifaceted personality, **Prof Samir K. Brahamchari**, Scientist and Founder Director, CSIR-IGIB and former Director General, CSIR-India as the chief guest and eminent resource person; along with **Dr. Debasis Dash**, senior principal scientist at CSIR-IGIB as eminent speaker and Guest of Honour. Prof. Brahamchari touched upon an important aspect of teaching that how to be a good mentor to our students more than a teacher and how knowledge should always be learner centric. This programme saw a very engaging 24 sessions including a virtual lecture from a renowned Scientist and Professor from Kyushu University Japan, **Prof. Bidyut Baran Saha**. A multi campus new experiment included sessions and lab work at CSIR-Institute of Genomics and Integrative Biology, new Mathura road. The participants were sufficiently exposed to the developments happening in various fields of sciences and how only the multidisciplinary approach can help the scientists and researchers to understand the nature in a better way.



SLC (University of Delhi)
Shyam Lal College
S.C. ROAD, NEHRU ENCLAVE, DELHI - 110002
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Website: www.schand.co.uk

ABOUT THE 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 reputation as the most efficient and complete educational institution in the relatively less developed East Delhi region. The endeavor of the College has 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.

ABOUT IQAC

Internal Quality Assurance Cell (IQAC) has been actively pursuing quality assurance 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 for continuous, consistent and creative improvement in the overall performance of the institution.

TOP THEMES

This FDP has been planned with the aim of disseminating knowledge in frontier areas in physical sciences 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 program aims to bring teaching, learning and research in both experimental and theoretical communities together and provide a platform for imparting/during various developments/trends in contemporary areas in PHYSICAL SCIENCES. For an effective faculty development, three conditions have been identified as necessary.

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 generally 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 a successful faculty development and enrichment. This program aims to attract capable and creative community of scholars and enhance their skills for better classroom engagements and research.

OBJECTIVE

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 temperaments.
3. Effective classroom engagements
4. Overall improvement in performance of faculty members in learning, research and administration.



REGISTRATION FORM

SLC (University of Delhi)
Shyam Lal College

Advancements in Integrated Sciences: Learning & Adaptation for Effective Teaching and Research

Name _____
Designation _____
Organization Name _____
Address _____
Mobile No. _____ Phone _____
E-mail ID _____

PAYMENT OF FEES

NEFT Details
Date & Amount of money transferred _____
Transaction ID _____
Name of Bank, IFSC code & account no. from which the money has been transferred _____

DETAILS OF DEMAND DRAFT

Date of issue & amount _____
DD No. _____
Drawn on Bank _____

FOR ANY QUERY PLEASE CONTACT:

Dr. Ashu Gupta (9811624284), Dr. Monika Goyal (9810633444)
Mr. Babbar Kundra (991181964)

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 technologies in classroom.
5. Exposure towards quality publications.

WHO SHOULD PARTICIPATE

Teaching Faculties of Universities and Associated colleges, Research scholars and Scientists

TOP TRACK

There will be two sessions on all days, a general session which will be beneficial for overall improvement in teaching methodology inside the class rooms or research methodology. The second session will be subject oriented conducted by subject experts from academic organizations of high repute which would infuse the knowledge of faculty about recent developments in their subject of study. This would in turn benefit the students to face the challenges in their respective fields.

Some of the relevant areas which will be covered in this program though not limited to them only are as under:

1. Green chemistry and environment issues
2. Developing smart projects using digital electronics
3. Advanced mathematical techniques
4. Knowledge of statistical tools in Research
5. Information and communication technology
6. Hands on training for Paper development and publication
7. Computational skills for Advancement
8. Developing Professional Ethics, Values and Communication skills
9. Hands on Innovation for effective classroom engagement

REGISTRATION

Registration Fee - 1500/-
The registration fee may be sent in the form of Demand Draft in favour of "Principal, Shyam Lal College", payable at Delhi. The registration fee (with the name of the participant and the title of the FDP stated in the covering letter) should reach the Principal at the office address. The registration fee can also be paid through electronic money transfer system and confirmation of such transaction is to be intimated by sending the copy and UTR No. of your transaction at slc@uod.ac.in with "Payment Registration Fee" as the subject. The required details for such transfer are:

1. Name - Shyam Lal College
2. Banker Name - Central Bank of India
3. Address - G.T. Road, Shabdan, Delhi-110012
4. IFSC Code - CNBN030941
5. Account Type - SB
6. Account Number - 1247800123



SLC (University of Delhi)
Shyam Lal College
Department of Physics,
Chemistry & Mathematics

UGC - HRDC JAMIA MILLIA ISLAMIA
IG: B
Physics
one week
Faculty Development Programme



Advancements in Integrated Sciences:
Learning & Adaptation for Effective
Teaching and Research

10 - 16 December, 2018

Conference Hall
Shyam Lal College

CERTIFICATE

Certificate for participants would be handed over in the satisfactory format of the FDP.

DELEGATION FEE & ACCOMMODATION

The delegation fee is mentioned above for the participants. The fee entitles the participants to a FDP kit, travel and per diem, FDP program booklet and 7 days' refreshment and lunch. The extension application can request the extension for arrangement of accommodation at mutual price.

SCIENTIFIC COMMITTEE

Prof. Surjit Jain, Head, Department of Physics, University of Delhi
Prof. C. S. Lalaha, Head, Department of Mathematics, University of Delhi
Prof. Ranveer Chandra, Head, Department of Chemistry, University of Delhi
Prof. R.K. Sharma, Department of Chemistry, University of Delhi
Prof. Vinay Gupta, Head, Dept. of Physics, University of Delhi
Prof. Sarita Singh Srivastava, Dept. of Physics, University of Delhi
Prof. S.K. Kulkarni, Department of Chemistry, University of Delhi
Prof. Dharmendra Gaur, Head, and Communication Engineering, MCI, University of Delhi
Prof. Ashok Prasad, Department of Chemistry, University of Delhi
Prof. Anil Kumar, Dept. of Glass, IIT Roorkee, Roorkee, India
Dr. Debanu Das, India Institute of Space
Dr. Deepak Sharma, Senior Scientist (2008), IIT Roorkee, Roorkee
Prof. Parul Gupta, Member SLC G.B. Department of University Research, University of Delhi
Prof. Bipin H. Saha, Engineering Sciences, Kanpur University, Kanpur
Dr. Anurag Mishra, Dept. of Education, IIT Roorkee, Roorkee, India
and many more.....

Chairperson
Smt. Savita Gupta

Patrons
Prof. Rabi Narayan Kar
Principal, (SLC)

Prof. Anura Rahman
Deputy, UGC - HRDC, IIS

Dr. Anurag Agrawal
Deputy, UGC - HRDC

Dr. Monika Goyal
(Dept. of Physics)

Dr. Ashu Gupta
(Dept. of Chemistry)

Mr. Babbar Kundra
(Dept. of Mathematics)

CONVENORS







