

Faculty development program (21st – 27th July, 2017)

The first UGC, DBT and CSEC sponsored National Faculty Development program on “Recent Trends in Applied Science Teaching (FDP-RTAST)”, was conducted by Shaheed Rajguru College of Applied Sciences for women from 21st – 27th July 2017. The 7 day Faculty Development Program was inaugurated by Padmabhushan Prof. M.D Athreya as a chief guest, who focused on improving the quality of teaching and empowering the students with subject skills for future. The guest of honors Dr. Deepika Bhaskar, Deputy Dean Research and Coordinator CSEC DU, Dr. S. Lakshmi Devi University of Delhi and Dr. G.S Sodhi also enlightened the program by their topics of current interest such as values in education, grant writing and forensic science. The program was divided in two sections i.e. biological & chemical sciences and physical sciences. Various sessions were held in both sections including the hands on practice. Biological and chemical sciences included the sessions; engineering techniques in molecular biology, chromatography separation techniques and plant tissue culture and bioinformatics, held by various speakers and hands on practioners (both inhouse and guests) like Dr. Samim, Dr. Varsha Mehra, Dr. Rekha Mehrotra, Dr. Jasjeet Kaur, Dr. Radhika Bakhshi, Dr. Sadhna Jain, Dr. Indu Arora. Physical sciences also included various sessions; laser and its applications, advance electronics, LaTeX and Mathematics which were held by various speakers and hands on practioners (both inhouse and guests) like Dr. Ajoy Ghatak, Prof. Mridula Gupta, Dr. Punita Saxena, Dr. Venika Gupta...etc. Motivational session was also been held in which Dr. S.K. Palhan was speaker. A small session on Intellectual Property Rights (IPR) was also held for both sections in which Ms. Sangeeta Nagar, Ms. Jaya Bhatnagar and Mr. Yashwant dev Panwar were speakers. On 7th day valedictory and certificate distribution was done in the presence of our chief guest Dr. Suman Govil, Advisor, DBT and guest of honor Dr. Pratishtha Pandey, Scientist E, DST.





Seeing A Tree



- ◆ CHAMPA tree is beautiful
 - ◆ I remember the way it's shown in Kangra Paintings
 - ◆ Kangra Valley Rivulets are very attractive
 - ◆ But the most beautiful river is Ganga
 - ◆ How we bathed in Ganga ! Children enjoyed it very much & Mohit would not come out of Ganga --
 - ◆ I wonder what Mohit is doing in Munich
 - ◆ He had forgotten his woollens here
 - ◆ I must send him E-Mail tonight
- Within seconds the CHAMPA tree I was looking had disappeared
- OR
- I had disappeared from it's environment
Mind wanders the Globe & we are not in
The "Present Moment"









Recent Trends
Applied Science Te

21st - 27th July, 2018

Organised by
SRI AUROBINDO COLLEGE OF APPLIED SCIENCES
(University of Delhi)

Sponsored by

DR. PAYAL MAGO

DR. PRATISHTHA PANDEY

DR. SUMAN GOVIL





Shaheed Rajguru College of Applied Sciences for Women



cordially invites you to

National Faculty Development Programme

on

Recent Trends in Applied Science Teaching (FDP-RTAST) (21st – 27th July, 2017)

Venue: Auditorium, College Campus, Vasundhara Enclave,
Delhi-110096

Inauguration by Chief Guest

Professor M. B. Athreya

Padma Bhushan, Educationist

On Friday, 21st July, 2017 at 10:00 AM

Guest of Honour

Dr. S. Lakshmi Devi

Founder Principal, SRCASW, Hony. Director, CECOP

-----Sponsored By-----



ज्ञान-विज्ञान विमुक्तये



सर्वज्ञानं सर्वभूतानां
Department
of Biotechnology
Govt. of India

Inaugural Session

Friday, July 21st, 2017

10:00 AM to 11:45 AM

Welcome Address by

Dr. Payal Mago,

Principal, SRCASW

Address by Guest of Honour

Dr. S. Lakshmi Devi

Hony. Director, CECOP

Address & Talk by Chief Guest

Prof. M. B. Athreya

Padma bhushan

Vote of Thanks

11:45 AM to 12:00 PM

High Tea

Valedictory Session

Thursday, July 27th, 2017

03:00 PM to 04:00 PM

Talk & Address by

Dr. Suman Govil

Advisor, DBT

04:00 PM to 04:45 PM

Vote of Thanks &

Certificate Distribution

04:45 PM to 05:00 PM

Tea

**7-Day Faculty Development Programme on
Recent Trends in Applied Science Teaching FDP-RTAST
(21st - 27th July, 2017)**

Day 1 — 21st July (Friday)

Inauguration and Lectures

10:00 - 11:45 am	Inauguration Chief Guest — <i>Prof. Athreya</i>
11:45 - 12:00 pm	High Tea
12:00 - 01:30 pm	Speaker — <i>Dr. Deepika Bhaskar</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Speaker — <i>Prof. Natarajan and Dr. S. Lakshmi Devi</i>

Batch I — Biological Sciences & Chemical Sciences

Day 2 — 22nd July (Saturday)

Emerging Techniques

09:30 - 11:00 am	Speaker — <i>Dr. Mohd. Samim</i> , Jamia Hamdard University
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on Nanotechnology — <i>Dr. Indu Arora</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on PCR — <i>Dr. Varsha Mehra</i>

Day 3 — 23rd July (Sunday)

Motivational Session

10:00 - 01:00 pm	Lectures and Session — <i>Dr. S. K. Palhan</i>
01:00 - 02:00 pm	Lunch

Day 4 — 24th July (Monday)

Food Safety and Regulations

09:30 - 11:00 am	Speaker — <i>Dr. Kavitha Ramasamy</i> , FSSAI
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on — Food Safety
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on SDS PAGE — <i>Dr. Sadhna Jain</i>

Day 5 — 25th July (Tuesday)

Chromatographic Separation Techniques

09:30 - 11:00 am	Speaker — <i>Dr. Manjeet Aggarwal</i> , NIFTEM
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on — <i>Dr. Jasjeet Kaur</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on — <i>Dr. Daya Bhardwaj</i>

Day 6 — 26th July (Wednesday)

Bioinformatics and Plant Tissue Culture

09:30 - 11:00 am	Speaker — <i>Dr. Madhu Chopra</i> , ACBR, DU
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on Bioinformatics — <i>Dr. Radhika Bakhshi</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on Plant Tissue Culture — <i>Dr. Rekha Mehrotra</i>

Day 7 — 27th July (Thursday)

Intellectual Property Rights

10:00 - 11:00 am	Speaker — <i>Ms. Sangeeta Nagar</i>
11:00 - 11:30 am	High Tea
11:30 - 12:30 pm	Speaker — <i>Ms. Jaya Bhatnagar</i>
12:30 - 01:30 pm	Speaker — <i>Mr. Yashwant Dev Panwar</i>
01:30 - 02:15 pm	Lunch
02:15 - 03:00 pm	<i>Dr. Alka Chawla</i>
03:00 - 04:45 pm	Valedictory & Certificate Distribution
04:45 - 05:00 pm	High Tea

7-Day Faculty Development Programme on Recent Trends in Applied Science Teaching FDP-RTAST

(21st - 27th July, 2017)

Day 1 — 21st July, 2017 (Friday) Registration / Inauguration and Lectures

10:00 - 11:45 am	Inauguration Chief Guest — <i>Prof. Athreya</i>
11:45 - 12:00 pm	High Tea
12:00 - 01:30 pm	Speaker — <i>Dr. Deepika Bhaskar</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Speaker — Prof. Natarajan and Dr. S. Lakshmi Devi

Batch II — Physical Sciences

Day 2 — 22nd July (Saturday) Laser and its Applications

09:30 - 11:00 am	Speaker — <i>Prof. Ajoy Ghatak, IITD</i>
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Speaker — <i>Dr. Sunil Kumar, IITD</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00pm	Hands on

Day 3 — 23rd July (Sunday) Motivational Session

10:00 - 01:00 pm	Lectures and Session — <i>Dr. S. K. Palhan</i>
01:00 - 02:00 pm	Lunch

Day 4 — 24th July (Monday) Advanced Electronics

09:30 - 11:00 am	Speaker — <i>Prof. Mridula Gupta, DU</i>
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on — <i>Dr. Venika Gupta</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on

Day 5 — 25th July (Tuesday) LaTeX

09:30 - 11:00 am	Speaker — <i>Ms. Deepali Bajaj</i>
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on — <i>Ms. Deepali Bajaj</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on

Day 6 — 26th July (Wednesday) Mathematics

09:30 - 11:00 am	Speaker — <i>Dr. Rajendra Prasad and Dr. B. N. Mandal</i>
11:00 - 11:30 am	High Tea
11:30 - 01:30 pm	Hands on — <i>Dr. Punita Saxena</i>
01:30 - 02:30 pm	Lunch
02:30 - 05:00 pm	Hands on

Day 7 — 27th July (Thursday) Intellectual Property Rights

10:00 - 11:00 am	Speaker — <i>Ms. Sangeeta Nagar</i>
11:00 - 11:30 am	High Tea
11:30 - 12:30 pm	Speaker — <i>Ms. Jaya Bhatnagar</i>
12:30 - 01:30 pm	Speaker — <i>Mr. Yashwant Dev Panwar</i>
01:30 - 02:15 pm	Lunch
02:15 - 03:00 pm	<i>Dr. Alka Chawla</i>
03:00 - 04:45 pm	Valedictory & Certificate Distribution
04:45 - 05:00 pm	High Tea

Organizing Committee

- ChairPerson:** **Dr. Payal Mago**
Principal, SRCASW
- Convener:** **Dr. Varsha Mehra**
- Co-ordinator :** **Dr. Sadhna Jain**
(Life Science)
- Co-ordinator:** **Dr. Punita Saxena**
(Physical Science)
- Treasurer:** **Dr. Jasjeet Kaur**

For any further queries/correspondence
Contact

Dr. Manisha Khatri
(Organizing Secretary)

Email: fdp-rtast@rajguru.du.ac.in

Details are also available at the College
website <http://www.rajgurucollege.com>
Off.Ph.: 011 - 22623505

Registration

Online:

<https://goo.gl/forms/YcspPpbaB6NsddoM2>

Offline: Registration Form is enclosed in
email and available on college website

Participation Guidelines

- Interested candidates can apply with duly filled in form latest by **31st May, 2017**.
- Only limited seats are available, therefore registration shall be made on "first come, first serve" basis. Please note that no refund of fees shall be made later on.
- The participation fee is **Rs. 5000** (Rs five thousand only) which includes course kit, lunch, tea, snacks and professional fees.

Payment Mode

Details for NEFT transactions:

Name of Bank: IDBI Bank
Name of Branch: Mayur Vihar, Delhi
A/c No: 0877104000035361
A/c Holder's name: Principal,
Shaheed Rajguru College
IFSC Code: IBKL0000877
MICR Code: 110259042

Link for Paytm transactions:

*** Please Write "FDP-RTAST" in
Remarks**



**7 Day
National**



Faculty Development Programme

on

**Recent Trends in Applied
Science Teaching**

21st - 27th July, 2017

Organized by

**Shaheed Rajguru College of
Applied Sciences for Women
University of Delhi
Vasundhara Enclave
Delhi-110096**

NAAC Accredited 'A' Grade



Sponsored by



ज्ञान-विज्ञान विमुक्तये



Department
of Biotechnology
Govt. of India

About the College

Shaheed Rajguru College of Applied Sciences for Women is one of the premier applied science colleges in University of Delhi. It was established in 1989 and is built on 9.5 acres of land with separate administrative and academic blocks. The college is presently running eight undergraduate courses namely B.Sc.(H) Maths, Chemistry, Physics, Electronics, Instrumentation, Food Technology, Computer Science and Biomedical Science. The aim of the college is to provide highest academic standards by forging industry academia bond and playing a pioneering role in research & development, so as to serve society by way of shaping professionals to conquer the present and future challenges.

About the Programme

The programme aims to highlight the teaching methods in the area of applied sciences which can be used effectively in the classrooms and laboratories situations to promote a holistic learning experience for the students. The goal of this programme is to bring teaching, learning, experimenting, researching and practicing communities together and provide a platform for imparting, sharing and experimenting various developments/trends in applied science. It also focuses on understanding the upcoming challenges with possible directions to identify solutions.

Programme Objectives

The programme is intended to discuss the recent advances in applied sciences to

- Emphasize the need of Research in Applied Sciences
- Update on Recent discoveries and methodologies in the area
- Showcase modern state of art research facilities available in the college
- Inspire participants to encourage students towards research for the welfare of our nation

Pedagogy

A combination of lectures, simulation exercises, practical demonstration of various techniques and hands-on experience in the methodologies will be employed for ensuring optimum delivery of contents.

Who Should Attend

Faculty members, academicians, researchers and professionals/executives from industry engaged in applied science experimenting and research.

Certificate of Participation

A certificate of participation shall be given to participants on successful completion of the program.

Programme Coverage

Participants would be divided in two groups according to their academic background ie; Physical sciences & Life sciences

Life Science topics to be covered

- Molecular Biology Techniques
- Plant Tissue Culture
- Analytical Techniques
- Bioinformatics tools
- Nanotechnology tools
- Food Analysis

Physical Science topics to be covered

- Laser & its applications
- Computer Programming
- Digital Electronics
- Advanced Instrumentation
- Advanced statistical techniques

Common topics to be covered

- Teaching Pedagogy
- Biostatistics
- IPR technology

(Detailed Program schedule shall be sent to registered participants)