

## Food Technology :2018-2019

Sno	Name of the activity	Page No
1	Workshop: Analytical Instrumentation, Food Processing and Life Science Techniques	1
2	Seminar-Entrepreneurial Skills	2
3	Seminar: Career and growth aspects of Food Technology	3
4	Workshop cum Training: ISO 22000 Food Safety Management Systems	3
5	Field Visit to Delhi Milk scheme	4
6	Technical Fest-World Food Day	5
7	World Heart day	6

- 1) **Workshop: Analytical Instrumentation, Food Processing and Life Science Techniques-** The Department of Food Technology along with two participating department conducted 1-month interdisciplinary summer project (June 4th, 2018 to July 1st, 2018) on “Analytical Instrumentation, Food Processing and Life Science Techniques”.



**Department of  
Biomedical Science,  
Food Technology and Instrumentation**  
**Shaheed Rajguru College of Applied Sciences for Women**  
Accredited by NAAC with ‘A’ Grade  
(University of Delhi)  
*under the aegis of*



Department of Biotechnology (DBT)

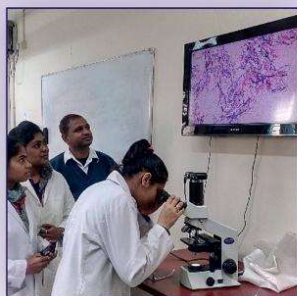
**Deptt. of Biotechnology (DBT) Star College Scheme**  
*organise*

**1-Month Summer Internship Workshop**  
4th June – 1st July, 2018 (10.00 am till 4.00 pm)  
*including*

**1-Day Visit to Perfumery & Food Flavour Industry**

### Programme Schedule

Date	Resource Person / Topics / Venue / Deptt.
25.06.18	Dr. Manisha Khatri Permanent Slide Preparation : Style & Techniques. Lab 2 / BMS
26.06.18	Dr. Manisha Khatri Identification of Different Types of Cells Present in your Blood. Lab 2 / BMS
27.06.18	Dr. Indu Arora Synthesis & Characterisation of Nanoparticles. Biomedical Lab / BMS
28.06.18	Dr. Daya Bhardwaj Principle & Working of GC Analytical Lab / Instrumentation
29.06.18	Dr. Daya Bhardwaj Principle & Working of HPLC. Analytical Lab / Instrumentation
01.07.18	Report Submission by Students and VALEDICTORY. Guest of Honour : Dr. Garima Gupta Scientist 'E', Deptt. of Biotechnology, Government of India



### DBT Star Team

Programme Co-ordinator

Dr. Daya Bhardwaj

Co-ordinator

Dr. Varsha Mehra

Co-ordinator

Dr. Deepa Joshi

Member(s)

Dr. Manisha Khatri

Ms. Prabhjot Kaur

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Workshop Co-ordinators

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### About the College

Shaheed Rajguru College of Applied Sciences for Women, a premier institute of University of Delhi, is a twenty-nine year old institute offering undergraduate courses to its students in 14 different streams. The professional courses equip young girls to pursue their interests and aptitudes and develop a holistic personality leading to a career of their choice.

### About the Departments

#### Department of Biomedical Sciences

The Department of Biomedical Science was started in college in 2005. It is dedicated to educating a next generation of outstanding Biomedical Scientists who will drive future cutting edge translational research.

#### Department of Food Technology

The Department of Food Technology was established since the inception of the college i.e. 1989. The department aims to educate and develop undergraduate and graduate students for leadership roles and to cater the need of the fast growing demand in the food industry, academia and in government as well as private sector.

#### Department of Instrumentation

The Department of Instrumentation was established in the year 1989. Instrumentation is a multi-disciplinary branch which includes Electrical, Electronics and Biomedical Instrumentation. It enriches the students to excel in the area of automation where the students are exposed to various subjects related to measurements and control.

### About the Workshop

The 1-Month Summer Internship Workshop is being organised by the departments of Biomedical Science, Food Technology & Instrumentation, Shaheed Rajguru College of Applied Sciences for Women under the aegis of DBT Star College Scheme from 4th June - 1st July, 2018 in college premises.

### Programme Schedule

Date	Resource Person / Topics / Venue / Deptt.
04.06.18	Induction and Orientation. Inauguration by Dr. Payal Mago, Principal. Special Invitee : Ms. Scema Shukla, Asstt. Director, Export Inspection Council, Ministry of Commerce & Industry, Government of India. (09.30 am to 10.30 am) / Conference Room
04.06.18	Dr. Varsha Mehra & Dr. Hemant Kardaam DNA Isolation PCR Working & Principle. Lab 1 / BMS
05.06.18	Dr. Parvinder Kaur Understanding Biostatistics. Computer Lab 3 & 4 / CS
06.06.18	Dr. Deepa Joshi Microbiological Analysis of Air using Air Sampler Technique. Coliform testing of Water using Most Probable Number (MPN) Method. Microbiology Lab, Culture Room / FT
07.06.18	Dr. Deepa Joshi Personal Hygiene using Swab Technique. Microbiology Lab, Culture Room / FT Dr. Ranjana Singh OH Analysis for Quality. Analytical Lab 2 / FT
08.06.18	Dr. Ranjana Singh Fruit & Vegetable Dehydration using Tray Dryer. Preparation of Jam from Non-Conventional Source. Analytical Lab 2 / FT
11.06.18	Ms. Prabhjot Kaur From Idea to Finished Container : Food Packaging. Package Testing with an Eagle Eye. Know the Unknown : Paper Packaging. Analytical Lab 2, Pilot Plant Lab / FT

### Programme Schedule

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12.06.18	Er. Saumya Chauarvedi Frozen Food Processing using IQF Technology. Fruit Candy making using Osmotic Dehydration. Pilot Plant, Nutrition Lab / FT
13.06.18	Ms. Savitri Gupta Bakery Workshop. Nutrition Lab / FT
14.06.18	Er. Saumya Chauarvedi & Ms. Prabhjot Kaur Learning by Playing : The Canning Game. Protein & Fat Estimation using Soxhlet & Kjeldahl. Nutrition Lab, Analytical Lab, Instrumentation Lab, Pilot Plant / FT
18.06.18	Ms. Sarul Malik & Ms. Reshma Sinha Basic Principles of Physiological Parameters Measurements. Demo on Micro Controller based Heart Beat Sensor. Demo on Blood Glucose Monitoring with Glucometer. Presentation on Non-invasive Method of Blood Glucose Monitoring. Biomedical Lab / Instrumentation
20.06.18	Dr. Radhika Bakshi Visualisation of Plasmolysis in Rhoeo Leaves. Presentation on Chromosomal Abnormalities in Cancer. Lab 1, Lab 2 / BMS
21.06.18	Visit to Gogia Chemical Industries Pvt. Ltd., Greater NOIDA.
22.06.18	Dr. Shmiti Banswal Diagnostic Tests for Microbe Identification. Lab 1, Culture Room / BMS

- 2) **Seminar-Entrepreneurial Skills:** The Food Technology Department organized a session on 'Entrepreneurial Skills' by Professor S. K. Palhan on August 10th, 2018. It was a very informative session that tried to resolve some of the myths that students (45 students) had about entrepreneurship. The professor started by telling us

that we should identify problems and needs in our environment and then uses it as an opportunity for developing new start-ups.



3) **Seminar: Career and growth aspects of Food Technology-** A seminar on “Career and growth aspects of Food Technology” was organized on September 13th, 2018 by the Department. Around 70 Students attended the program.

Ms. Meenakshi Taneja, R&D Head, Gogia Chemicals Ltd, Noida. v Ms.

Ms Richa Bharti, Nutrition Scientist, PepsiCo, Research and Development.

Ms. Trishala Verma, Patent and Design Examiner.

Ms. Priyanka Rathi, Assistant Manager, JubliantFoodworks, Noida.



4) **Workshop cum Training: ISO 22000 Food Safety Management Systems-** The Department in collaboration with Quality Council of India conducted one day certificate course on “ISO 22000 Food Safety Management Systems” on March 6th, 2019 and March 15th, 2019. **45 students** along with the faculty trained on FSMS system..





- 5) **Workshop : CV writing** -A CV writing workshop was organized to apprise about the nuances and effective ways of writing resume by Mr.Rajat Mittal on 12 th April 2019  
**Number of Participants:32**
- 6) **Field Visit to Delhi Milk scheme** - Delhi Milk Scheme, West Patel Nagar, New Delhi-110008 was organized by the department on 1st October, 2018. The students were explained various processes inside the plant like - ETP treatment , boilers , the production and processing unit for paneer , ghee , butter and milk , cold storage room, incubation rooms etc .  
**Number of Participants:65**



- 7) **Technical Fest-World Food Day:** The departmental fest was organized to celebrate ‘World food day’ on 11<sup>th</sup> October 2018 by the Department of Food Technology. It began with the inauguration of the departmental newsletter – Food Times by Edesia. It was accompanied by an array of events including debate, quiz, poster making, Act-enact , treasure hunt and sense to bence. The competition was an inter-college event and so a huge participation from various college was observed.

**Number of Participants:110 approx**

**Names of the Resource Person: Dr. SiddharthWaghulkar**(‘Deputy-Head’ of the ‘Nutrition Unit’ at the United Nations World Food Programme, Country office) and **MsDeepti Gulati**. Ms Deepti Gulati is the **Head of Programs**, GAIN India



8) **World Heart day:** The Department of Food Technology celebrated World Heart Day on 29th September, 2018. The main aim of the event was to sensitize people about various cardiovascular diseases and ways to prevent them .There was a poster and race competition organized to spur students towards a healthy lifestyle

**Names of Resource Person:** Ms Neelima raj Tamta, Ms Bushra Ansari and Ms Taranjeet Kaur

**Number of participants:**80

