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SHARDA
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Beyond Boundaries

EVENT COMPLETION REPORT

SECTION A: Event Detail

Event title:	Industry in Campus-Hands on Training on Research Grade Industrial Equipment		
Starting date of event:	19 th March, 2021	Duration of Event (in days)	1
Name of the event organizing School	School of Basic Sciences and Research (SBSR)		
Name of the event organizing Department	Department of Chemistry and Biochemistry		
Sponsor of the Event (Sharda University in case of internal sponsorship)	Sharda University		
	Convener	Prof. S.K Banerjee, Dean, School of Basic Sciences and Research, Sharda University, shyamal.kumar@sharda.ac.in . Dr. Richa Tomar, Assistant Professor Department of Chemistry and Biochemistry, School of Basic Sciences and Research, Sharda University, richa.tomar@sharda.ac.in	
	Co Convener	Dr. Vinay K. Verma, Associate Professor, and Head, Department of Chemistry and Biochemistry, School of Basic Sciences and Research, Sharda University, vinaykumar.verma@sharda.ac.in HoDs of all the departments, SBSR	
	Organizing Secretaries	Dr. Geeta Durga, Associate Professor Department of Chemistry and Biochemistry, School of Basic Sciences and Research, Sharda University, geeta.durga@sharda.ac.in	
Chief Guest/ Guest of Honor with affiliation (If any)	Mr. Dharmesh Gala	Managing Director, Anton Paar	
Name of Speaker/s with affiliation (If any)	Mr. Shishir	Area Sales Manager, Anton Paar	

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SECTION B: Event report and reflection

Event background

The Anton Paar is a well-known Austrian Company that develops, produces, and distributes scientific laboratory instruments and process measuring systems, and provides custom-tailored automation and robotic solutions. The company was interested in making their few sophisticated and much used instruments to be available in University campus on 19th Mar 2021, free of cost for students to see and learn the functioning of these instruments. The instruments were installed in their van and the students had done the analysis of their samples.

Event Objectives

1. To provide participants with the practical skills and knowledge necessary to handle the instruments.
2. To make students familiar with few of the commonly used equipment like rheometer, refractometer, densitometer, penetrometer, polarimeter and many more.
3. A hands-on practice session was arranged. Most of the students had tried operating the instruments by themselves and learnt how to handle and characterize the samples.
4. Different aspects and feasibility of establishing future linkages have been discussed including signing MoU in terms of internship, sample analysis, lab sharing and hands on training for students and faculty members.

Event description:

The instruments to be shown were installed in the mobile van of the company. Few instruments which cannot be displaced from the Van are shown to the students in Van itself while taking care of masks and social distancing. 4 instruments were displayed in the auditorium. Following are the instruments that were made available to students:

A **rheometer** is a device **used to measure** the rheological properties of materials; **rheology** being defined as the study of the flow and deformation of matter, which describes the interrelation between force, deformation and time.

A **refractometer** is used to determine a concentration of a particular substance within a given solution. It operates based on the **principle** of refraction. The angle of refraction is related to an index value called the index of refraction. Each compound has a specific index of refraction.

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Microwave digestion system involves combining the sample matrix and acids in a pressurized container and elevating the solution past the boiling point of the **acid** which significantly accelerates the **digestion**.

A **penetrometer** is any device forced into the soil to measure resistance to vertical penetration. They are still **used** for qualitative measurements.

A **viscometer** (also called viscosimeter) is an instrument used to measure the viscosity of a fluid. For liquids with viscosities which vary with flow conditions, an instrument called a rheometer is used.

A **polarimeter** is a scientific instrument used to measure the angle of rotation caused by passing polarized light through an optically active substance.

Densitometer: Within a **densitometer** the light passes through the optical system bundled from a stabilized light source on the printed surface. The amount of light absorbed depends on the ink density and pigmentation of the ink. The non-absorbed light penetrates the translucent (transparent) ink layer and is weakened.

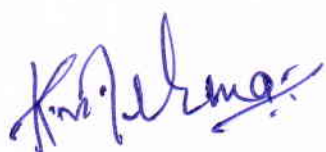
Mode of the event: Offline in Dr. Abdul Kalam Auditorium, Block 3

Participants (compulsory for events):

S. No.	Total Participants	Number of Male	Number of Female
1	91	23	68

List of Participants

Soumya Mishra	2019004521
Jyotishna .	2019004687
Ravi Kishan	2019004800
Rumik Thomas	2019004921
Niboli K Zhimomi	2019006487
Harsh Ranjan	2019007158
Shelly Arora	2019008507
Anjika .	2019640840
Oinam Vishal	2019644930
Prachi Singh	2020420451
Lalvohbika .	2020487152
Kanika .	2020493351



Yashvi Gairola	2020580551
Gunjan Panchal	2020583940
Priya Yadav	2020569938
Shubh Jain	2020584135
Anjali Sharma	2020513143
Anmol Gupta	2020001894
Fazil Nazir	2020416168
Jatin .	2020544656
Jyoti Bala	2020407264
Kambale Katasohire Christian	2020805376
Loyce Chisale	2020000456
Medolenuo Kense	2020581318
Nitika Dahiya	2020575579
Prakriti Srivastava	2020508533
Rabita Javeed	2020001351
Saumya .	2020581745
Taruna Ranolia	2020525424
Twinkle Khanna	2020001350
Riya Middha	2020518623
N Abigail Ezung	2020585590
Eliho Wotsa	2020586990
Ruchika .	2020002310
Suleiman Saleh Suleiman	2020000169
Mansi Bhati	2019003674
Ananya Basak	2019004922
Francisca Longa Chanda	2019000068
Maheen Mushtaq	2019005351
Nahrin Choudhury	2019006429
Priya .	2019005230
Ritick Gupta	2019632596
Shashi Yadav	2019007665
Shaurya Gupta	2019619470
Shubham Singh	2019004645
Srishti Kumari	2019008455
Upasana Prabha Bajrac	2019007068
Zarlish Khan	2019008599
Violeth John Mdeka	2019008502
Chirag Tyagi	2019005183



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Lalruatpuia	2019005255
Dristie Kalita	2019651557
Jatin Sharma	2019644094
Komal .	2019005837
Neha Rana	2019005475
Riya Chaudhary	2019006849
Riya Singh	2019524669
Saurabh Singh	2019006797
Sonika Panghal	2019006842
Saroj Devi	2018004856
Varsha Kumari	2018005387
Avinash Raj	2018005648
Dheeraj Kumar	2018006953
Kajal Gupta	2018007438
Zameel Sharafuddin	2018007463
Deepti Saraswat	2018007825
Harshita Mayal	2018007849
Swati Sorout	2018008211
Medhavi Gautam	2018008358
Khushboo Baliyan	2018008713
Suraj Mall	2018008974
Tai Yaha	2018009093
Saina Verma	2018010177
Anjali Yadav	2018010309
Ranjan Kumar	2018010415
Jomin Diyum	2018010776
Anshika Choudhary	2018010881
Shreya .	2018011424
Anjali Kathait	2018011597
Utsav Gautam	2018011688
Nupur Shaarad	2018011782
Mahima Verma	2018011983
Manish Pareek	2018013648
Prerna Dimri	2018013742
Neha Sharma	2018014411
Jyoti .	2018014634
Aman Sharma	2018015881
Sachin Kumar	2018015249
Deepali	2018015303

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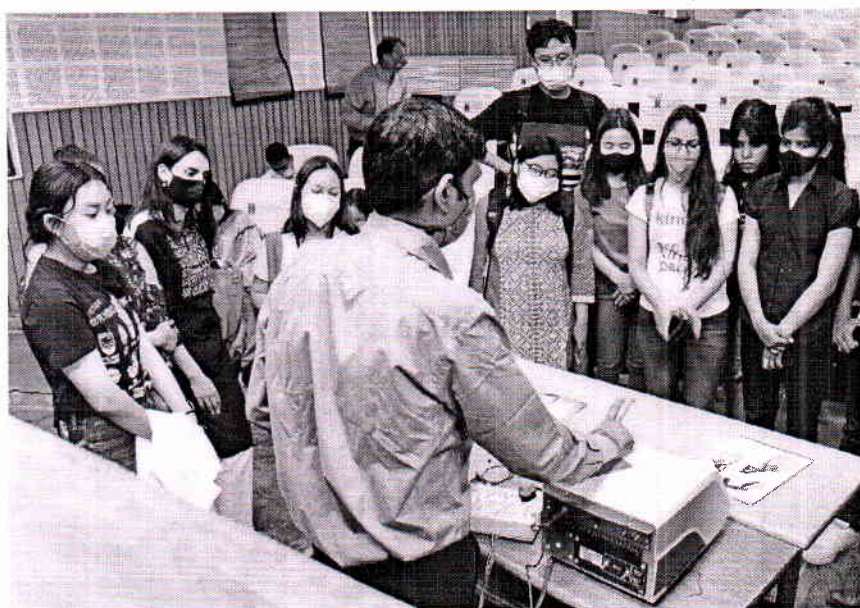
1. Budget distribution from University/any other agency: As per University norms
2. Appendices/Photographs



Kaifur Rahman

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1



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