

## **INSTRUMENTATION: 2019-2020**

<b>S.No</b>	<b>Name of the activity</b>	<b>Page No</b>
1	<b>Vizag student exchange/Training Program</b>	1
2	<b>Educational Visit (All India Institute of Medical Sciences (AIIMS))</b>	2
3	<b>VYAKHYAN-2019, Alumni Interaction</b>	3
4	<b>Industrial visit: Waters India Pvt. Ltd</b>	3
5	<b>Distinguished Lecture Talk on Nanotechnology Science and Engineering Amalgamation Emerging Liberalism of Homo Sapiens</b>	4
6	<b>Technical fest, Technexus-2019</b>	5
7	<b>Visit to Global Bio India Summit</b>	5
8	<b>Visit to 2 – day International Summit on Women in STEM</b>	6
9	<b>Workshop on I–SENSOBOTZ for Embedded System Design</b>	6
10	<b>Mini Colloquium on Nanoelectronics and Advanced Semiconductor devices for Future Electronics</b>	7
11	<b>National Webinar on Role of technocrats in healthcare emergencies like covid – 19”</b>	7
12	<b>VYAKHYAN 2020 (1st session): Alumni Interaction</b>	8
13	<b>Online Competition on Healthful Living Video Challenge</b>	8
14	<b>VYAKHYAN 2020 (2nd session)": Alumni interaction</b>	9
15	<b>Virtual Farewell</b>	9

- 1. Vizag student exchange/Training Program:** Department of Instrumentation in collaboration with Department of Biomedical Science and Department of Chemistry organized a training program for 10 students of St. Joseph’s College for Women (A) Vishakhapatnam, Andhra Pradesh. From 10<sup>th</sup> May, 2019 to 20<sup>th</sup> May, 2019. The students underwent training on the project entitled “**Antimicrobial activity of medicinal plant extracts: *In vitro* and *in silico* approach**” in different departments of the college. The Department of Instrumentation gave them a brief overview along with hands-on training on chromatographic techniques using sophisticated instruments like HPLC and GC.

**Names of the Resource Person:** Faculty of the Department (Dr. Daya Bhardwaj, Ms. Reshma Sinha and Dr. Sarul Malik)

**No. of participants:**10



2. **Educational Visit (All India Institute of Medical Sciences (AIIMS):** Department of Instrumentation under DBT star scheme visited All India Institute of Medical Sciences (AIIMS) to attend the Leadership dialogue series organized by DBT and BIRAC in partnership with AIIMS. The title of the lecture was **“Innovating for impact: How India can lead in helping solve some of the world’s toughest health Challenge”**

**Names of the Resource Person:** Prof. Randeep Guleria (Director AIIMS), Dr. Renu Swarup (Secretary, Department of Biotechnology, Ministry of Science and technology, BIRAC) and Dr. Trevor Mundel ( President of Global Health, Bill and Melinda Gates Foundation).

**No. of participants: 06**



3. **VYAKHYAN- 2019: Alumni Interaction** - Department organized a one day talk cum interaction session with Alumni under activity “**Vyakhyan**” on 20th August 2019. In session our eminent alumni Ms. Iram Abidi Sr. Research Scientist, Jubilant Generics Limited was invited. She shared her experience and career journey with the students. She emphasizes on the multidisciplinary nature of INSTRUMENTATION course that allows students to pursue careers in various fields.

**Name of the Resource Person:** Ms. Iram Abidi Sr. Research Scientist, Jubilant Generics Limited

**No. of participants:**50



4. **Industrial visit:** Waters India Pvt. Ltd- Department organized a one day industrial visit to Waters India Pvt. Ltd., located at Jasola, New Delhi -110025 on 18th Sep 2019. In all 18 students from BSc. (H) Instrumentation 5th semester and two faculty members Dr. Daya Bharadwaj and Ms. Reshma Sinha went for the visit. This industrial trip was aimed to provide DEMO sessions on **HPLC/UPLC and Mass Spectrometry**.

**Names of the Resource Person:** Mr. Hitesh Shrimal and Mr. Jitesh Thakur from Waters India Pvt. Ltd

**No. of participants:** 20



5. **Distinguished Lecture Talk-** Department in collaboration with IEEE EDS Delhi Chapter jointly organised IEEE EDS Distinguished Lecture Talk On “**Nanotechnology Science and Engineering Amalgamation Emerging Liberalism of Homo Sapiens**” on September 27, 2019. The talk focused on various aspects of nanotechnology and how it can serve society.

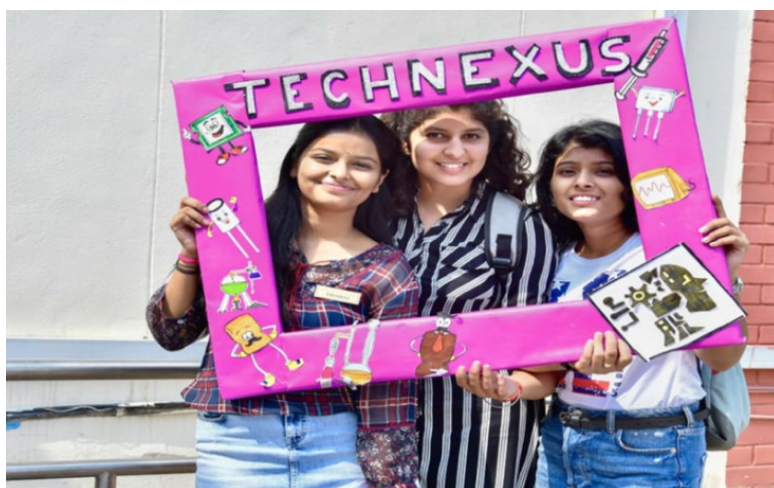
**Name of the Resource Person:** Professor Vijay K. Arora, Professor, Wilkes University, USA.

**No. of participants:** 120



6. **Technical fest: Technexus-2019-** The Techfest by department of instrumentation of Shaheed Rajguru College of Applied Sciences for women for the academic year 2019 was organised successfully. It is an inter-college fest whose major events were organised on 4th October'19. The objective behind conducting such fests with the major planning done by the students is to teach them proper managerial and coordination skills along with the execution of the ideas that they came up for on the day of the Techfest.

**No. of participants:100**



7. **Visit to Global Bio India Summit-** Department had the golden opportunity to visit Global Bio-India Summit from 21-23 November 2019 organized by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India and its Public sector undertaking, Biotechnology Industry Research Assistance Council(BIRAC).Global Bio-India was a mega international congregation of biotechnology stakeholders, including international bodies, regulatory bodies, Central and State Ministries, SMEs, large industries, bio clusters, research institutes, investors, and start-up ecosystem.

**No. of participants: 08**



**8. Visit to 2 – day International Summit on Women in STEM-** Department attended the 2-day International Summit on Women in STEM at India Habitat Centre, Lodhi Road, New Delhi, on 23-24 January 2020 organized by International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi on theme Visualizing the Future: New Skylines. The Summit was planned with the overall aim to boost the participation of women in the STEM field for the development of scientific careers.

**No. of participants: 08**



**9. Workshop-** The Department conducted two days Hands on Workshop on the topic “I-SENSOBOTZ for Embedded System Design” on 17th – 18th February 2020. The workshop was financially sponsored by IEEE EDS Delhi Chapter. The workshop was conducted by Mr. Harshit Verma, a Senior Research and Development Engineer from Robosol for a cause, a unit of AAKAAR, IIT Bombay, India.

**Name of the Resource Person:** Mr. Harshit Verma, a Senior Research and Development Engineer, Robosol for a cause, a unit of AAKAAR, IIT Bombay, India.

**No. of participants: 55**



**10. Mini Colloquium-**The Department organized one day Mini Colloquium on “**Nanoelectronics and Advanced Semiconductor devices for Future Electronics**” in collaboration with IEEE EDS Delhi Chapter on 27th February 2020.

**Names of the Resource Person:** Professor Mridula Gupta (Chairperson, IEEE EDS Delhi Chapter), Dr. Héctor J. De Los Santos (founder of Nano MEMS Research, LLC, Irvine, CA), Dr. Abhishek Dixit (Associate Professor, Department of Electrical Engineering, IIT Delhi) and Dr. Brajesh Kumar Kaushik (Associate Professor, Department of Electronics and Communication Engineering, IIT Roorkee)

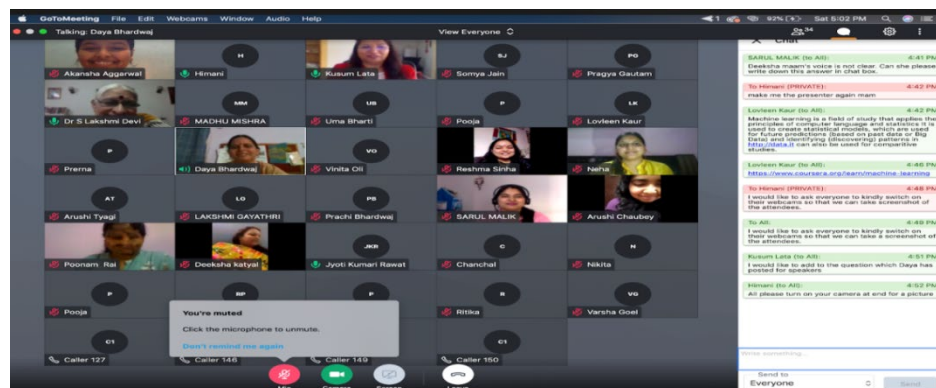
**No. of participants:** 100



**11. Webinar-**National Webinar on “**Role of technocrats in healthcare emergencies like covid – 19**” on 20th April 2020. The online lecture was delivered by an eminent speaker, via CISCO WebEx application.

**Names of the Resource Person:**Dr. Pankaj Parashar, (Department of Physiology and Nodal Officer for Biomedical Engineering unit, MGM Medical College and MY Group of Hospitals, Indore)

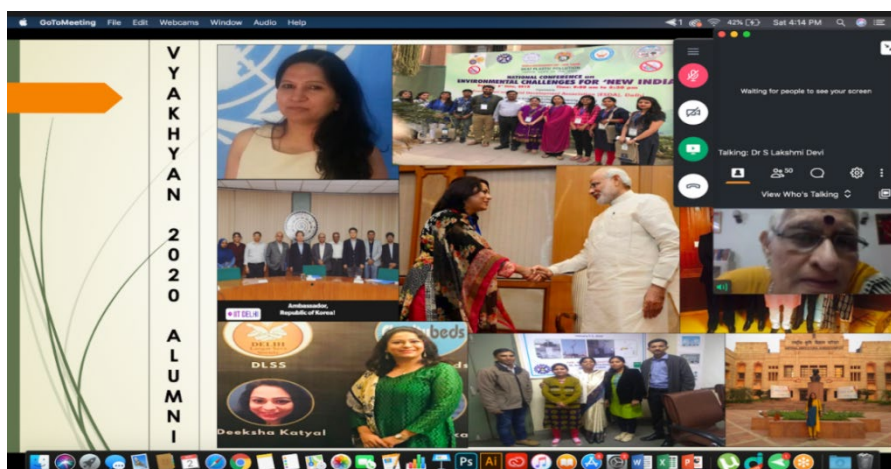
**No. of participants:** 65



**12. VYAKHYAN 2020 (First session)-** Online alumni interaction session on the topic “Exploring the future endeavours in the field of environmental studies” via GoToMeeting application on 2ndMay 2020.

**Names of the Resource Person:** Dr. S. Lakshmi Devi (Founder Principal of the college), Dr. Kusum Lata Jain (Team leader, Mitigation impact assessment support unit at United Nations Climate Change Secretariat (UNFCCC)), Dr. Deeksha Katyal (Assistant Professor, GGSIPU), Ms. Poonam Kumari (Research Scholar, AcSIR, CSIR-NEERI) and Ms. Lovleen Kaur (Centre of Excellence on Clean Air, IIT Delhi)

**No. of participants: 55**



**13. Healthful Living Video Challenge:** An online competition is organized on 18thMay 2020 for maintaining personal hygiene both at home and outside. Where Students showcased their creativity by making a short video clip, demonstrating innovative homemade tips to make masks, hand gloves and sanitizers.

**No. of participants: 03**

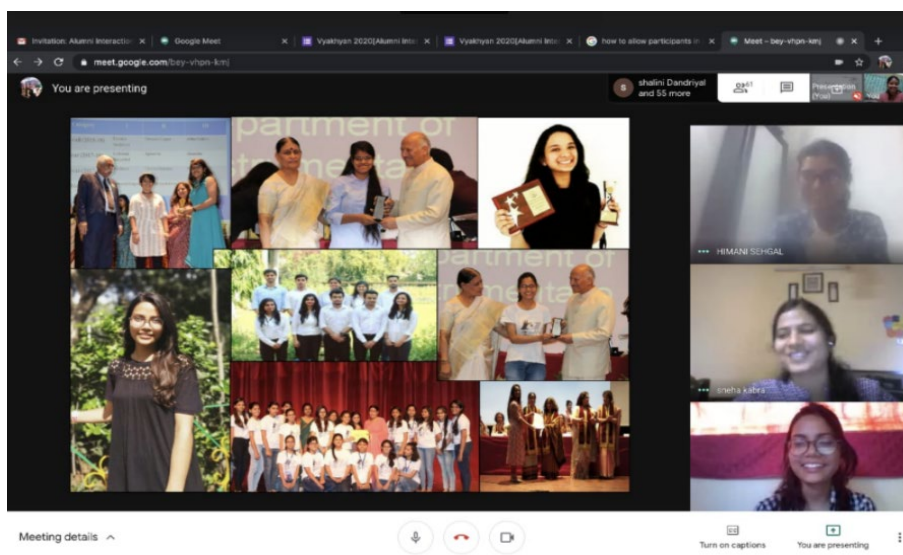




**14. VYAKHYAN 2020 (Second session):** Online alumni interaction session on the topic “Career Guidance, Future Prospects and Experience Sharing” via Google Meet application on 23rd May 2020.

**Names of the Resource Person:** Ms. Deeksha Agarwal (Associate Product Manager, Lambda Test), Ms. Chitra Sharma (Student of MSc. Electronic Science, University of Delhi) and Ms. Shalini Pant (Computer trainee, WIPRO Ltd.)

**No. of participants:** 70



**15. Virtual Farewell:** In order to pay gratitude to seniors the students of department of Instrumentation organized virtual Farewell on Google meet platform on 25<sup>th</sup> June 2020, they have unlocked a couple of surprises and memories to cherish for their seniors.

**No. of participants:** 70

