

## **Senior Residents Orientation Program: Session II**

**25<sup>th</sup> October – 31<sup>st</sup> October 2022**

The Senior Residents Orientation Program (SROP) Session-II for the second batch of Senior Residents for the academic year 2022-23 was conducted from 25<sup>th</sup> October – 31<sup>st</sup> October 2022. As per the order, Division of Academic Affairs No. DAA/19/BMT-Orientn/SCTIMST/22 dated 19.10.2022 the course was conducted at BMT wing of SCTIMST with 17 numbers of Senior Residents.

The sessions including the classroom and the lab visits were arranged with the theme of “Overview of Medical Device Development”. Residents from different departments wholeheartedly participated and shared their clinical requirements as unmet needs for this program. The sessions were successfully conducted with the co – operation of all faculty, technical staff and other supporting staff of BMT wing.

In the inaugural session held on 25<sup>th</sup> October, Dr. H K Varma (Head BMT Wing), Dr. P V Mohanan (Associate Dean), Dr. Manoj Komath (HoD, Dept. of Biomaterial Science and Technology), Dr. Ramesh P (HoD, Department of Medical Devices and Engineering) and other faculty members participated. The significance of the program was highlighted by the faculties, including available opportunities and importance of collaboration to foster true innovation in the biomedical sphere.

### **Highlights - SROP 2022.**

The first day program was devoted to providing an overview of BMT Wing, SCTIMST facilities, resources and current research activities. HoDs of different departments briefed their activities on the device development, biomaterial science and the testing activities.



Second day program was aimed at introducing testing services, quality system and their role in biomedical device development. 27<sup>th</sup> October was geared towards evaluation of medical devices and introducing the materials that play a key role in devices. 28<sup>th</sup> October kicked off with a case study in device development followed by IP rights, sterility regulations & ethics in device development.

Lab Visits at BMT Wing in the afternoon session of course provided a window into the day to day activities here. This provided an opportunity for Residents to interact with scientists, engineers and understand the processes that drive medical device development.

### **Lab Visits @ BMT Wing, SCTIMST**





On 29<sup>th</sup> October, Industrial Visit was organized to Manufacturing facilities of TTK Healthcare Limited, Thumba. The visit covered the various department of manufacturing company such as quality department, manufacturing and machine shop, packaging unit etc. TTK briefed about the company activities, processes and the different phases of manufacturing to the finished products.



On 31<sup>st</sup> October, the 17 Residents presented their ideas on unmet clinical needs which spanned from 11.30'o clock to 04.00. The unmet Clinical Needs session was initiated by Director, Dr. Sanjay Behari with an inspiring address to all gathered. The session provided valuable insights into clinical needs and fostered a close interaction between development teams and clinicians. This was followed by the concluding and feedback session, which was attended by residents and few BMT wing faculty members. Head, BMT Wing provided comments appreciating the participants and organizers of the SROP program for its current iteration.



In the feedback session, residents opined that the session had been useful and they would recommend the experience to their juniors. An assessment exam was conducted on 31<sup>st</sup> October at BMT wing campus, which was attended by 17 Senior Residents.

This year the SROP program was coordinated by Dr. Manoj G and Dr. Francis B Fernandez.

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