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List of Activities for the A.Y 2018-19

S. No	Details	
ICT/Computing Skills		
1	Industrial Visit to Mars therapeutics Ltd., Hyd	
2	Industrial Visit To "Clinsync Clinical Research Pvt Ltd	

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ICT/COMPUTING SKILLS 2018-19



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Date: 05/11/2018

CIRCULAR

This is to inform all B. Pharm IV year students that we have a "Industrial Visit to Mars therapeutics Ltd., Hyd." An Educational visit to the Mars on November, 6, 2018, to expose In-house software for digital data maintenance and Knowing knowledge about SAB system. Hence all the students are hereby informed to utilize the opportunity without fail.

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Report on Industrial Visit to Mars therapeutics Ltd., Hyd.

Date of visit November, 6, 2018

Place of visit Mars therapeutics Ltd., Hyd.

Coordinators from college Dr. K. Shantakumari, Dr. T.Lavanya, Mrs. G. Sri Lalitha Approved by Dr. N. Srinivas (Director), Dr. T. Sarita Jyostna (Principal), Dr.T.Mamatha (Vice Principal)

Participating student's Forty six students (46) of B.Pharm VIII Sem

The Educational visit to Mars therapeutics Limited, Hyderabad was organized by Sarojini Naidu Vanita Pharmacy Maha Vidyalaya on November, 6, 2018. 46 B.Pharm VI Year students actively participated in the visit which was successfully coordinated by Dr. K. Shanta Kumari, Dr. T. Lavanya & Mrs. G. Sri Lalitha. We started our journey at 9:00 AM from college and reached our destination at 11:30AM. We divided our students in the batch of 23 students per batch for the visit and the interaction with the industry person. A brief introduction about industry was given by Manager of company. Firstly we were taken to gowning room and provided with gowns and caps, several posters were there instructing proper gowning procedure. The first department that we visited was raw material and packaging material warehousing area where we got to learn how the raw and packaging materials are stored and labeled and we have seen different types of labels with different colors fixed on containers indicating its batch number, lot number, issue date, expiration date, retest date, and storage conditions. They were using in-house software for digital data maintenance. We were also informed about SAB system which they are going to use in future for warehousing data maintenance. Then we were taken to dispensing area where we got to know about the procedure for dispensing of raw and packaging material according to given MRO (material request order) provided by production area. The next area we visited was washing area where different equipment were washed according to developed cleaning procedure, we were informed about cleaning and validation procedures.

After that we visited granulation area where we saw different granulation equipment such as rapid mixer granulator, fluidized bed drier. Furthermore, we were also informed about different steps used during granulation such as shifting, sizing, drying etc. Different types of granulation process were used like wet granulation and dry granulation. Meanwhile we got to know about how the sampling has been carried out for dissolution test and what different kind of analysis techniques they were using. After visiting granulation area we moved towards compression area, where we saw compression machine where he explained about different parts of compression machine like stations, tooling, hoppers, and feeders. He also explained about different defects of tablets due to compression variation and its remedies and whole procedure for compression was explained in detail. The next area was capsule filling area where we got to know about different types of filings like powder, granules, pellets, and mini tablets that are being filled in capsule shell, the next step explained after filling was polishing. After filling area we have seen the coating area where he explained that coating is the most crucial step in tablet manufacturing two coating equipment. He gave us



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details about fluid bed equipment used for the coating of pellets and granules. The whole coating principle was described in detail. Then we head towards packaging area, the whole packaging area was divided into two parts like primary packaging area and secondary packaging area in primary packaging area different packaging systems were there like blister packaging and bottle packaging, the bottle packaging was in process so we informed about the procedure in detail, we learnt about how the packaging material is selected and tested for its appropriateness and in accordance with the foreign market requirement for the packaging and labeling. In blister packaging area the process used for blistering was semiautomated. Brief information was given about the secondary packaging of the tablets and capsules. Then we moved to QC Department and we have seen various analytical instruments like WATERS-HPLC, TOC, Atomic absorption spectrophotometer, furnace, stability testing chambers for long term, real time and intermediate analysis and also observed various sampling procedures. In this visit students were very eagerly waiting for listening to industrial higher authorities. The technical head of Mars therapeutics. Ltd conducted very informative session for the students and also be motivated to the students to select their domain and area of interest. He also guided the students to select the areas like QC and production and software for testing etc. and its importance in the current market.

Lastly, we thank the industrial authorities for giving this opportunity ended the visit by clicking a group photograph at 2:15 PM and we moved out of the plant.





List of the students attended

S. No	Hall Ticket No.	Name of the Student	Program
1	1704-15-881-001	Shiak Raheen	IV B. PHARMACY
2	1704-15-881-002	Aknapuram Shivani	IV B. PHARMACY
3	1704-15-881-004	Aleti Akhila	IV B. PHARMACY
4	1704-15-881-005	Alifia Shireen	IV B. PHARMACY
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7	1704-15-881-008	Athota Pooja Latha	IV B. PHARMACY
8	1704-15-881-009	Ballem Bhargavi	IV B. PHARMACY
9	1704-15-881-010	Bushra Fatima	IV B. PHARMACY
10	1704-15-881-011	Chapidi Mounika	IV B. PHARMACY

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Garojini Naidu Vanita Pharmacy Maha Vidyalaya
Vijayapuri Colony, S.Lalaguda, Tarnaka
Secunderabad-500 017.

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11	1704-15-881-012	Chigulla Pavani	IV B. PHARMACY
12	1704-15-881-013	Chilukuri Gangajala	IV B. PHARMACY
13	1704-15-881-015	Danyasi Swarnalatha	IV B. PHARMACY
14	1704-15-881-016	Devershetty Shravani	IV B. PHARMACY
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30	1704-15-881-035	Lakshmi Aishwarya Sonti	IV B. PHARMACY
31	1704-15-881-036	Lingampally Vidya	IV B. PHARMACY
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51	1704-15-881-058	Pulle Geetha Sahithi	IV B. PHARMACY
52	1704-15-881-059	Rachamarla Lakshmi Prasanna	IV B PHARMACY
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53	1704-15-881-060	Ranapaga Prasanna Lakshmi	IV B. PHARMACY
54	1704-15-881-061	Rathlavath Anjali	IV B. PHARMACY
55	1704-15-881-062	Raulapally Sirisha	IV B. PHARMACY
56	1704-15-881-063	Rubina	IV B. PHARMACY
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64	1704-15-881-071	Sriramoju Durga Bhavani	IV B. PHARMACY
65	1704-15-881-072	Vibhuti Yamuna	IV B. PHARMACY
66	1704-15-881-073	Vislavath Haritha	IV B. PHARMACY
67	1704-15-881-302	Jiguru Rajeswari	IV B. PHARMACY
68	1704-15-881-303	Meenu Sumaswi	IV B. PHARMACY

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Date: 18/03/2019

CIRCULAR

This is to inform all B. Pharm IV year students that we have a "Industrial Visit to "CLINSYNC CLINICAL RESEARCH PVT LTD" An Educational visit on March, 18th 2019, at 11.30 am. To gain the knowledge on the importance of testing the drugs for safety and efficacy and Different designs used for the study such as parallel design, crossover design in bioequivalence studies. Hence all the students are hereby informed to utilize the opportunity without fail.

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REPORT ON INDUSTRIAL VISIT TO CLINSYNC CLINICAL RESEARCH PVT LTD

Date & Time of Event – March, 18th 2019, at 11.30 am.

Industrial visit is important in the career of a student especially in professional degree. Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, College for Women, (Sponsored by The Exhibition Society) organized an industrial visit for M.Pharm students of all branches to provide an insight into the internal working of companies. ClinSync Clinical Research Pvt Ltd is a clinical research organization located in Madeenaguda, Hyderabad. The visit to the company is executed on March, 18th 2019, at 11.30 am.

All the students and faculty reached the company at 11.20 am and registered the names at the reception area. We are instructed to place the phones in silent mode and then was accompanied into the company at 11.30 am. Dr. Sanjay Wajid, Head of Pharmacology department gave an introduction about the company. He explained briefly about pharmacology, importance of testing the drugs for safety and efficacy. Dr. Sanjay elucidated about comparison of test drugs with standard drug for generic drug development, different designs used for the study such as parallel design, crossover design in bioequivalence studies. He clarified that the company mainly conducts efficacy tests through bioequivalence studies in healthy human volunteers. He explained that the actual process of clinical research starts with collection of volunteers, their registration, taking consent from them, screening the volunteers for their health to check whether they are suitable for the study and prior informing them of the date of commencement of study.

Dr. Sanjay mentioned that on the day of study the volunteers will be explained about the study, risks involved during the study and their willingness for the study will be recorded visually with their sign, date and time. He further described that one day prior to the study the volunteers are given uniform, ID cards, subjected them to either 10 hours fasting study or fed study by giving high fat and high calorie food, administering the test, deciding the sampling points based on Cmax and Tmax and collection of blood sample after suitable intervals. He explained that any adverse event during the study should be treated whether it is related to the drug or not and given compensation accordingly if any abnormalities or deaths occurs. Dr. Sanjay clarified that to conduct any procedure during the study standard operating procedures should be followed. We are then guided to different areas in the company such as volunteer registration area, volunteer waiting area, sample collection point, ECG room, Investigators room, ICU, Pharmacy, wards, bioanalytical area, dosing and vital station, sampling process area, storage area, washroom. Dr. Sanjay explained that all areas in the company have access control, ICU have 12 beds, wards have 160 beds and sodium monochromatic light fixed to check for any light sensitivity. He mentioned that the drugs come to the pharmacy, stored in controlled environment, placed in individual containers, collected from these containers when required. Dr. Mamatha, Dr. Praneetha, Dr. Harika clarified their queries with Mr. Sanjay after the session.

Mr. Pavan Kumar, junior executive of the company then took over the session to explain about Bioanalytical department. He explained about bioavailability and



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bioequivalence studies, pilot and pivotal studies. He then guided us to central sample storage area which consists of refrigerators where samples are stored at -20 oC and -70oC. Then we are taken to sampling processing area consisting of BOD incubator, vortexer, cooling centrifuge, micropipette, repetitive pipette, nitrogen evaporator, balance room. Mr. Pavan took us to LCMS area which consists of different chromatographic equipment such as LCMS, HPLC and Mass spectroscopy. Sampling is being analyzed in the room by the personnel present.

Mr. Maddela Rambabu, Vice President of ClinSync Clinical Research Pvt Ltd also shared his valuable words with students and the faculty. He enlightened us with his different roles after completion of M.Pharm. He suggested students to complete PhD first and then work in any company. Mr. Rambabu stressed regarding the different opportunities in the field of Pharmacy after M.Pharm. He told the students to learn the work in any area from any person regardless of their qualification and do 100% to achieve big in future. Dr. Mamatha, Dr. Praneetha, Dr. Harika and Dr. Lavanya clarified their queries with Mr. Rambabu. Dr. Mamatha thanked Mr. Rambabu for giving the opportunity for the visit, enlightening the students with his words and guiding us throughout the visit. The session ended at 2.30 pm.







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