

**1.3.4 Proof of B.Tech Biotechnology students
undertaking Industrial visits for latest
academic year(21-22)**

Chaitanya Bharathi Institute of Technology
Department of Biotechnology
Data of Industrial visits for the AY 2021-22

S. No	Name of the Industry Visited	Dates of Industrial Visit	Report and Photographs	No. of participants/students
1	TSMPB, Hyderabad	23-11-2021	Available	45students (VII sem students and faculty)
2	ALEAP WEHUB, Hyderabad	26-11-2021	Available	52students (V sem students and faculty)
		Industrial visits: Total student strength		97

Industrial visit Report on Telangana state medicinal plants Board,

Hyderabad, Telangana State, GOI, Hyderabad on 23rd, November 2021

Date of visit: 23-11-2021

Duration: 1day

Industry Name: Telangana state medicinal plants Board, Hyderabad, Telangana State, GOI

As part of Industrial visit, Dept. of Biotechnology has organized a one-day visit to Telangana state Medicinal plants Board, Hyderabad on 23th November of 2021. This programme was utilized by 45 students of 4th years (VII semester) and four faculties including Dr Y. Rajasri, Dr C. Obula Reddy, Dr V. Aruna, Dr. G. Vijaya Laxmi coordinated the visit.

We reached the Moolika vanam (Herbal Garden) by 11:00AM. The Deputy Forest Range officer Mr. Rafiuddin received us and explained about the history, importance of medicinal plants and their use in daily life and geographical location and topography of the Medicinal Plants Board, and has given information about the number of traditional medicinal plant species, herbal products and their medicinal use to the society.

After having the scrumptious herbal tea Offered by forest range officer our exploration of herbal garden of area of 56acres started at 11.30AM. During this long stretch of 5-6 kilometers visit , we explored the different species of medicinal plants like insulin producing plant, artificial sugar producing plant, infertility and nervous disorder treatment plant, Anti snake venom plant, Ashwagandha plant, tulasi plant varieties like Rama, Krishna, Lakshmi Tulasi and Lavanga Tulasi and

officer makes us to curious to know about the some of the unknown varieties of plants in custard apple like Rama phalam and hanuman phalam and a rare variety of Tulasi, Lavanga Tulasi and their medicinal use.

After a brief recreation the students started the exploration of herbal garden and played with the plants like Touch me not plant, scientifically named as Mimosa pudica.

Later we started to observe green house facilities and acclimatization process.

With these cherished moments and loaded with abundant charka samhitha Knowledge, the students reached the college by 3.30PM.

Industrial visit Outcome: Through this visit, students' knowledge is enriched about medicinal applications of various species of Medicinal plants and ignited them to compare the uses of medicinal herbs over the chemical synthetics and their side effects.

By attending the industrial visit, the students attained the respective POs and PSOs.

Photographs:







Industrial visit to Telangana state Medicinal Plants Board on 23.11.2021

Industrial visit Report on ALEAP WEHUB, Hyderabad,

Telangana State, Hyderabad on 26th, November 2021

Date of Visit: 26-11-2021

Duration: 1 day

Target students: B. Tech Biotech VII Sem

Industry Name: ALEAP WE HUB, Hyderabad, Telangana

As part of Industrial visit, Dept. of Biotechnology has organized a one-day visit to ALEAP-WE HUB, Pragathinagar, Hyderabad on 26th November of 2021. This programme was utilised by 52 students of 3rd years (5th semester) and five faculties including Dr C. Obula Reddy, Dr V. Aruna, Dr. B. Mishra, Dr. B. Sumithra & Dr. Y. V. Kiran coordinated the visit.

We travelled through the college bus and reached the destination at 11.30 AM. DR ZAHOORULLAH S.MD, Chief Innovation Officer of We- HUB addressed the students and presented the orientation about the goals of WE- Hub and different start-ups activities involved with ALEAP in their conference room. He demonstrated about each and every process that are part of ALEAP and detailed about how this incubator fosters different young entrepreneurs especially women to start-up and scale up by providing support in funding, mentoring and for growth. Finally, motivated the students to come up with new innovative ideas and to build their start-ups by synergizing with WE- HUB.

Later, students were formed into three groups and were taken to view & understand actual manufacturing units of ALEAP. The 4 units visited include Biotechnology, Bio - plastics, 3D printing, solar panel assisted food drying and food production unit where biscuits making & packaging were explained. With this, students and the teacher guides returned to college by 4.10 pm.

Through this visit, students gained knowledge about various types of industries and the associated challenges. This also ignited the students with identifying different entrepreneurial opportunities and objectives that enable them to build their start up.

Photographs:



Students observing 3D Printers



Biotech Faculty with ALEAPWEHUB Chief Innovation officer Dr Zahoorullah (Extreme Right)



Our Biotech VI Sem Students at ALEAP WEHUB

Industrial visit Report – National Institute of Animal Biotechnology (NIAB), Hyderabad on 07th, December 2021

Date of visit: 07-12-2021

Duration: 1day

Industry Name: National Institute of Animal Biotechnology, GOI, Hyderabad.

As a part of Industrial visit, Dept. of Biotechnology has organized a one-day visit to NIAB, Hyderabad on 7th December of 2021. We are the students of B. Tech Biotechnology VII Sem and faculty members visited the NIAB, DBT, GOI, Telangana State. This programme was utilized by 25 students of 4th years (VII semester) and Five faculties including Dr C. Obula Reddy, Dr. G. Vijaya Laxmi coordinated the visit.

We reached the Institute by 11:00AM. The scientist Dr BalaDurgaprasada Rao cordially received us and presented the AV about the inception of the NIAB, their research and their immense contributions to the livestock society. After a brief introduction about their scientists Prasad sir, provided us a great chance for our students and faculty to exchange views and ideas with them.

Under the eminence guidance of Scientist in charge we got ever lost chance to observe the small animal house and live demonstration of different routes of administration of injections, collection of Blood and provided an opportunity to students for methodology of handling of Animals.

After refreshments we started to observe the instrumentation facilities in NIAB namely PCR, RT- PCR, Microscopic visualization of developmental stages of embryo, Microinjection, made the students to understand the working principles of different types of SEM, TEM, Confocal and Laser Microscopy and techniques for the purification of proteins like GC-MS, LC-MS, HPLC.

After observing the Instrumentation facilities again scientist in charge made us to interact with the veterinarians to discuss about the uses of maintaining (isolation, vaccination) large animal house facility.

With these cherished moments and loaded with abundant Transgenic animal research, the students reached the college by 3.30PM.

Industrial visit Outcome: Through this visit, students' knowledge is enriched about Animal Biotechnology, and made them to familiar with state of art instrumentation facilities and motivated them towards research in Animal Biotechnology.

By attending the industrial visit, the students attained the respective POs and PSOs.

Photographs:



Faculty and students' interaction with the Scientists of NIAB



Observation of Animal oocytes



Students handling confocal Microscope



Group photo with scientists of NIAB