

6.3.3 Details of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff during the year

Academic Year 2022-2023

S.No	Dates (from-to) (DD-MMYYYY)	Title of the professional development/ administrative training programs organised for teaching staff (Professional development/ administrative training programs)	No. of participants	Page. No
01	22-08-2022 to 27-08-2022	Department of Civil Engineering conducted AICTE sponsored One Week Practice-Oriented intensive FREE Training Program on "Crying Need in BRIDGE Engineering for CAPACITY - BUILDING"	38	05-15
02	29-04-2023 (1-Day)	One day Workshop "Advances in Geotechnical & Structural Engineering"	60	16-19
03	20-12-2022 to 22-12-2022	Department of Civil Engineering organized a virtual International Conference "International Conference on Advances in Civil Engineering 2022" in collaboration with Civil Engineering Department, Accra Technical University, Ghana, LSKBJ College of Engineering, Chandwad, Nashik, India, Sant Gajanan Maharaj College of Engineering, Mahagaon, Maharashtra, India and Technology Research and Innovation Centre, India	6	20-25
04	30-08-2022	Alumni talk on "Characterizations of Novel mutations in Spleen Tyrosine kinase (SYK)" by Dr. Madan Mohan Gambheer, Product Manager, Cell Analysis Marketing, Miltenyi Biotec B.V & Co. KG., Bergisch Gladbach, Germany, 2013th Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, CBIT.	10	26-54
05	06-09-2022	The Department of Biotechnology has organized an Industrial visit to "Institute of Genetics and Hospital for Genetic Diseases, Hyderabad" for B. Tech. Biotech Vth Semester students	4	26-54
06	13-09-2022	The Department of Biotechnology has organized an Industrial visit to "Institute of Genetics and Hospital for Genetic Diseases, Hyderabad" for B. Tech. Biotech Vth Semester students	3	26-54
07	15-09-2022	Placement training sessions for basic techniques in biotechnology by Dr. C. Obula Reddy, Asst Professor, and Dr. B. Mishra, Asst Professor, Organized by the Department of Biotechnology, CBIT.	4	55-60
08	20-09-2022	Guest Lecture on "Bioprocess engineering concepts and their application in Biotech Industries" as a	16	61-67

		part of pre-placement training activities by Dr. Prasad Ernala, Sr. Scientist/Technology Specialist, Fermentation Technology Development Center, Dr. Reddy's Laboratories, Hyderabad, for V and VII Semester students, teaching and non-teaching staff of the Dept., Biotechnology, Organized by the Department of Biotechnology, CBIT.		
09	26-09-2022	The Department of Biotechnology has organized an Industrial visit to "CCMB, Hyderabad" for B. Tech. Biotech Vth Semester students	2	68-86
10	20-10-2022	On 20 th October 2022, organized an orientation session of placement and higher studies for the current prefinal year students of B. Tech. Biotechnology (2020-24) by the final year students of B. Tech. Biotechnology (2019-23), Dept of Biotechnology.	2	87-115
11	04-11-2022	On 4 th November 2022, Career Labs organized a profile-building session (Higher Education & Placements) for the 5 th semester, B. Tech. Biotechnology department students	2	116-152
12	10-11-2022	On 10 th Nov 2022, Dr. NLN Reddy, Director, Career Development Centre (CDC), and Mrs. T. Prathima, PO, CDC of Chaitanya Bharathi Institute of Technology (CBIT) organized an orientation session of placement and higher studies for the current prefinal year students of B. Tech. Biotechnology (2020-24).	5	153-180
13	17-11-2022	Alumni talk on "Brief Overview of Cell Culture Process Development of Biosimilars" by Ms. B. Navya, Research Associate, Mammalian Cell Culture, Upstream Process Development, Dr. Reddy's Laboratory, Hyderabad, an Alumnus of CBIT, 2020 Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, CBIT.	16	181-210
14	17-11-2022	Alumni talk on "Overview of Downstream Process Development of Monoclonal Antibodies" by Ms. D. Sai Harshitha, Research Associate, Downstream Process Development, Dr. Reddy's Laboratory, Hyderabad, an Alumnus of CBIT, 2020 Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, CBIT.	16	
15	24-11-2022	Industrial Visit to Prathista Industries, Choutuppal on 24 th Nov 2022 for 5 th Sem B.Tech. Biotechnology Students	4	211-218

16	01-12-2022	Industrial Visit to Food Cooperation of India (FCI), Sanath Nagar, Hyderabad on 1st Dec 2022 for 3rd Sem B.Tech. Biotechnology Students	5	219-224
17	28-11-2022 to 02-12-2022	Five days Workshop on Basic techniques in Biotechnology, organized by Bioengineering and Biotechnology Club of CBIT (BBCC), CBIT	10	225-234
18	17-12-2022	Various events were conducted such as Oral Presentations, Poster Presentations, and Product Display Exhibitions as part of Research Day'2022, Organized by the Department of Biotechnology, CBIT.	16	
19	31-01-2023	A Keynote address given by Dr. Mohanakrishna Gunda, Associate Professor, KLE Technological University, Hubballi, Karnataka delivered a talk on "Bioelectrochemical Systems: A versatile process for value addition and environmental abatement" as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	235-302
20	31-01-2023	The paper presentation was organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	
21	31-01-2023	Various non-technical events were organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	
22	02-01-2023	Poster presentation was organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	
23	02-01-2023	Live-Project presentation was organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	
24	02-01-2023	Bio-Quiz was organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	4	
25	02-01-2023	Valedictory Session was organized as part of NEOZION'2023, Organized by the Department of Biotechnology, CBIT.	16	
26	06-03-2023	The Department of Biotechnology has organized an Industrial visit to "National Institute of Animal Biotechnology (NIAB), Hyderabad" for B. Tech. Biotech VIth Semester students	5	
27	09-03-2023	Alumni talk on "Career Prospects in the fields of Biotechnology and Public Health" by Ms. Mahitha Kasturi, Master's in Public Health(MPH) at the Rollins School of Public Health, Emory University, Atlanta, USA an	10	348-357

		Alumnus of CBIT, 2021 Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, CBIT.		
28	28-04-2023	Internative Sessions for IV Sem students by Mr. K. Srikanth, Director of Grad Clinic, Hyderabad	2	
29	23-05-2023	Alumni talk on "Biopharmaceuticals Market" by Mr. Anil Kumar Jagirdar, Vice President, Investments, InvAscent Advisory, Hyderabad, an Alumnus of CBIT, 2009 Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, CBIT.	5	358-377
30	05-09-2022 to 17-09-2022.	STTP: Robotics And Drones	50	378-429
31	08-04-23	Training for DF Lab	15	
32	19-06-23 to 14-07-23	Summer Internship Program	60	
33	24-04-23 to 28-04-23	"Digital Manufacturing and IoT Based Prototype Development" - FDP	70	
34	14-03-23 to 18-03-23	Faculty Development Programme On "Establishment & Management of Business Incubators"	25	

WHO CAN ATTEND

Students (UG & PG)
Faculty Members
Research Scholars
Consultants and Industry Professionals

VENUE

Seminar Hall ,CBIT ,Gandipet, Hyderabad, 500075

DURATION

18 Hours (Each day 3hours in the FN session for 6 days)

ORGANISING COMMITTEE

CHAIRMAN

Dr. P. Ravinder Reddy
Principal – CBIT

CONVENER

Dr.K.JagannadhaRao
Head,
Department of Civil Engineering,CBIT

CO-ORDINATOR

Sri. P. Srinivas Reddy
Assistant Professor,
Department of Civil Engineering,CBIT
Sri. M. Kalyan
Assistant Professor
Department of Civil Engineering,CBIT
Dr. T. Chaitanya Srikrishna
Assistant Professor
Department of Civil Engineering,CBIT

REGISTRATION LINK

https://docs.google.com/forms/d/e/1FAIpQLSeIV00Pr2HwWl6qSwdwQ0-fdSXxeYm7QSevnujYOnlxMwz1Bw/viewform?usp=sf_link

REGISTRATION

No registration fee, Registration is mandatory

CONTACT

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Dr. T. Chaitanya Srikrishna
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CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

Nokool (Vikret), Gandipet, Hyderabad, Telangana 500075. www.cbti.ac.in

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

43
years

AICTE approved
One Week Practice –Oriented Intensive Training Program
On
Crying Need in BRIDGE Engineering for CAPACITY-BUILDING

22-27, August 2022



Organized by

DEPARTMENT OF CIVIL ENGINEERING

ChaitanyaBharathi Institute of Technology
(Autonomous under UGC)

Affiliated to Osmania University

Accredited by NAAC-UGC and NBA-AICTE

ISO 9001:2015 Certified Institution

Gandipet, Hyderabad, 500075

Telangana State, INDIA

ABOUT COLLEGE

CBIT, a pioneer in technical education in the state of Telangana, is one of the premier Engineering Colleges in India. It is located in idyllic surroundings of Gandipetlake, Hyderabad and has been standing as a temple of knowledge for the past 42 years. CBIT is an autonomous institution under UGC from 2013 and accredited by NBA-AICTE and NAAC-UGC. The college offers 9 UG and 11 PG programs over the years. CBIT produced several eminent and skillful engineers, spread all over the globe. The institute has received research grants to the tune of Rs. 2.5 Crores from various funding agencies such as AICTE/UGC/DST. Brilliant and meritorious candidates with good EAMCET ranks seek admissions at CBIT. The students are prepared and perfected to secure placements in MNCs through college Career Development Center.

ABOUT THE DEPARTMENT

Civil Engineering Department of the institute started functioning right from the inception of the institute, in the year 1979. It has well qualified, experienced and dedicated faculty and committed supporting staff. Apart from giving their best in academics, the students of the department are highly enthusiastic & actively participate in various co-curricular & extra-curricular activities. The laboratories of the department are well equipped with advanced and sophisticated instruments, to fully satisfy the training needs of the students and research and consultancy needs of the department as well. The department offers one UG programme (Two Sections) and one PG Programme (Structural Engineering). Conducting seminars, workshops and conferences on the latest developments in civil engineering, arranging expert lectures and industrial visits for the benefit of staff & students, is a regular feature in the department. The department also offers Consultancy Services for various Government and Private Agencies and has completed a good number of prestigious projects. It is a matter of great pride that this Department has submitted the draft for 'Water Policy' for the newly formed Telangana State.

ABOUT THE TRAINING PROGRAMME :

Bridges have been the symbols of Civilization and the standing examples of human ingenuity over the years. Bridge construction dates back to as old as the age of primitive man and the bridge forms have evolved over centuries posing challenge to not only structural engineers but also many interdisciplinary allied fields. A deeper insight into this field reveals that although there is not much of change in the basic principles of analysis and design of bridges, it is the new materials and the techniques that have brought in a striking difference in the modern context. There is thus a glaring need for the budding engineers to keep themselves abreast of the developments in bridge construction while comprehending the basics of bridge analysis and design. Realising this need, the Civil Engineering Department of CBIT has taken initiation in organising this training programme by utilizing the services of a renowned professional in the field as facilitated by AICTE.

TOPICS TO BE COVERED IN THE TRAINING PROGRAM

1. Development of the bridge-form globally during the past 3500 years – 1 day
2. Why do bridges in our part of the world crack and demise much earlier than in many of the first world countries ?? – 2 days
3. Economics and quantity-trends in alternative bridge-structure schemes – 2 days
4. Economics and quantity-trends in alternative flyover-structure schemes – 1 day

OBJECTIVES OF THE TRAINING PROGRAM

This training programme is intended to enable the participants

1. Understand and appreciate the evolution of bridge form over the years
2. Know the specific reasons for why the bridges in this part of the world are more vulnerable to damages and decay
3. Understand the economics of various types of bridge structures and the adaptability of various alternative forms
4. To gain exposure to various alternative form of flyover structures.

ABOUT THE SPEAKER

Dr. Virindra K. Raina

- Ph.D.(London), DIC (London), MICE (London), C.Eng.(London),
P.Eng. (Ontario, Canada)
- Registered CHARTERED Engineer: UK and Europe
 - Registered PROFESSIONAL Engineer: Ontario, CANADA
 - Distinguished Chair Professor - BRIDGES : AICTE

Dr. Virindra Kumar Raina is a towering personality in the field of bridge engineering. He is a highly qualified and experienced practicing professional civil engineer with sustained private sector experience.

Dr. Raina has completed many challenging consultancy assignments in over 20 countries in the world, like Qatar Sea link (40km long Causeway through the Arabian Gulf). He has designed and supervised construction of over 100,000 lanemeters of concrete bridges in different countries on various types of foundations in different substrata conditions. He has imparted training to many senior engineers, all over the world. Dr. Raina is a recipient of various prestigious awards.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS), HYD-75
DEPARTMENT OF CIVIL ENGINEERING

Date: 29-06-2022

No: CBIT/CED/038/25-6-2022.

Note submitted to the Principal:

Sub.: Request for Budget approval for conducting workshop -Reg.

- Ref.1. Letter of AICTE, SCRO; from Principal, Email Dated: 13-5-2022.
2: Department letter email to AICTE, SCRO, dated: 19-5-2022.
3: Email from AICTE, SCRO dated: 23-06-2022.


In Ref.1 cited above, AICTE has approved five training programs of 6 days each (every day two sessions of 3 hours each) on "Crying Needs in Bridge Engineering" to be delivered by Prof Dr. Virindra K. Raina, Distinguished Chair Professor - BRIDGES: AICTE to the Faculty and Students (UG & PG) from Civil Engineering and allied disciplines. AICTE, SCRO asked for the consent of CBIT to organise one such programme as a nodal centre. In the Ref2. Cited above, the department of Civil Engineering has prepared the budget estimate (Rs.1,80,000/-) and drafted a letter to the AICTE. AICTE has approved CBIT as a nodal center to conduct the above workshop from 22nd to 27th August, 2022 (Ref 3). The honorarium for the resource person will be borne by the AICTE. The expenses for lunch and snacks are proposed to be met from the registration fees. Hence an amount of Rs 65,000/- is the budget to be sanctioned by the Institute. The proposal and the budget for the workshop may be approved.


Head CED.

Enclosures:

Ref.2 & 3 above

An Amount of
Rs 65,000 may be approved


29/06/2022
Principal


Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), Hyderabad
Department of Civil Engineering

Date: 05-09-2022

Note Submitted to the Principal:

Sub: CBIT – CED -AICTE Approved One week Training program on Crying Need in Bridge Engineering for Capacity – Building – Adjustment of accounts - Reg.
Ref: 1. Email from Director FDC AICTE dated July 25, 2022.
Ref: 2. Letter for Budget Approval No- CBIT/CED/038/25-06-2022 dated – 29-06-2022.

The following is the expenditure incurred for the training programme mentioned in the subject:

EXPENDITURE DETAILS

S. No	Particulars	Amount
1.	Conveyance charges (To Airport & return) on 21/08/2022	1,000.00
2.	Conveyance charges (Hotel to CBIT and return) 22 nd to 27 th August 2022(2000+2000+500)	4,500.00
3.	Conveying charges (To Airport & return) 28/08/2022 + Local Trip	1,500.00
4.	Parking charges at Airport on 21/08/2022	200.00
5.	Parking charges at Airport on 28/08/2022	100.00
6.	Food Expenses from 23/08/2022 to 28/08/2022	
	a). 23.08.2022	465.41
	b). 24.08.2022	450.40
	c). 25.08.2022	326.46
	d). 25.08.2022	644.70
	c). 27.08.2022	784.95
	d). 28.08.2022	854.94
		3,526.86
7.	Flower Bouquets for guests	400.00
8.	Flight Tickets	
	a). Delhi to Hyderabad -21/08/2022	7,871.00
	b). Hyderabad to Delhi – 28/08/2022	8,184.00
	c). Aisle seat charges Delhi to Hyderabad	250.00
	d). Aisle seat charges Hyderabad to Delhi	250.00
		16,555.00
9.,	Hospitality and Accommodation at the hotel	27,115.00
	Total Expenditure	54,896.86

Total Expenditure excluding Hospitality and Accommodation at the hotel = 27,782

Advanced Drawn (15,000+12,000) = 27,000

Balanced to be reimbursed = 782

An amount of Rs. 782/- is to be reimbursed to HoD (Civil), and the bill for Hospitality and Accommodation at the hotel Rs. 27,115/- to be paid to the account details given in the cancelled cheque attached.


Head, CED

File

Chaitanya Bharathi Institute Of Technology (A)		
Crying Need in Bridge Engineering for Capacity - Building		
Participants List		
S.No	Name	Designation
1	Dr.K.Jagannadha Rao	Faculty
2	Dr.M.V.Krishna Rao	Faculty
3	Sri A. Balaji Rao	Faculty
4	Dr. N. R. Dakshina Murthy	Faculty
5	Smt K. Manasa	Faculty
6	Sri. P. Srinivasa Reddy	Faculty
7	Sri.E Maheshwar Reddy	Faculty
8	Sri. M. Kalyan	Faculty
9	Dr. T. Chaitanya Srikrishna	Faculty
10	Sri. Vishwanath Gopisetty	Faculty
11	B.S.Chaitanya	Research Scholar, NIT Warangal
12	S.Vinod Kumar	Engineer
13	G.Karunakar	ME
14	A.Sai Krishna	ME
15	S.V.muthesham Ahmed	ME
16	S.Anil	ME
17	M.Sai Maheshwar Reddy	ME
18	SK.Humer	ME
19	P.Rithvik Sai Kumar	ME
20	S.Kavya Sri	ME
21	D.Ashok Kumar	ME
22	R.John	ME
23	Md.Maurijuddin	ME
24	M.A.Quadar	BE
25	Sreejan Reddy Kandi	BE
26	chirag nankani	BE
27	K.Anjaneya varma	BE
28	P.Rakesh	BE
29	Khyathi Vardhini	BE
30	S.Ibrahim	BE
31	B.K.R.Srikari	BE
32	S.Akhila	BE
33	Pravalika	BE
34	G.Tulasi	BE
35	B.Nandini	BE
36	Gundoju rahul	BE
37	Moosa Mohammed	BE
38	Jaivanth Kumar	BE

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Gandipet, Hyderabad – 500075

Report
on
AICTE Approved
One Week Practice – Oriented Intensive Training Program
on
Crying Needs in BRIDGE Engineering for CAPACITY-BUILDING
22-27, August 2022

Resource Person – Dr.Virindra K.Raina

Convener – Dr.K.Jagannadha Rao

The Following Topics were discussed in the Training Program by the speaker

DAY - 1

Development of the bridge-form globally during the past 3500 years

Dr.Virindra K.Raina has briefed about the historical development of bridges

Back in 1502, the great master Leonardo da Vinci produced master sketch for a 240 M stone Structure intended to span the Golden horn inlet in Istanbul but then nearly 500 years ago, when the sketch was made, the available technology was incapable of realising such an ambitious structure. Later in 1840's the transition from timber to steel began. In this period cast iron was tried out by bridge builders in 1856.

Bessemer patented a process for making large quantities of steel economically by the turn of 19th century, the growing use and availability of structural steel and greater skills in analysis, design and construction-methods paved the way for longer span bridges. Many elegant bridges were built, like Lin-dem-thal's manhattan bridge (1909) with 450m span. Amman, a Swiss engineer. Amman's Verrazano narrow bridge in New York was opened in 1964 with a span of 1300m which was a landmark in history of long span suspension bridges.

Dr. Raina also explained the lessons in ensuring aerodynamic stability were learnt in a hard way by the tragedy of the 855 Tacoma Narrows Bridges which fluttered and perished in 1940 at a 64 km/hr wind. Later in 1960's a new type bridge of suspension bridge deck was made for the Tagus Bridge in Libson. Severn Bridge, Wales, and it was the first suspension bridge of the modern type (Aerofoil deck-section), 1962-1966. Dr. Raina also explained The Hyatt Regency hotel walkway collapse as a major introspection based on many a Bridge Disaster. Later he added that the Kings Bridge failure due to brittle fracture did not mean that welding of steel box girders was banned. It only underlined the need for the right welding technique to be made available for the bridges. He then discussed the series of box girder failures of the 1970's could not lead to the conclusion that there was anything fundamentally wrong with the thin plated structures.

Sound design is achieved above all by wisdom and judgment with which the designer applies his results with great courage and judgment are demanded of the Enquirer, as he has a task which requires freedom from bias while at the same time demanding a definite option "good judgment comes out of experience and good experience often comes out of bad judgement".

Dr. Raina concluded the session on Day 1 with a gratitude to a great prof. Fritz Leonhard, who hypothecated the use of A-form pylons with corresponding inclination of planes of cables, fan shaped smaller diameter cables at closer spacing etc., are the new trends in the design to realise the large spans.



Mr. M. Kalyan, Dr. K. Jagannadha Rao, Dr. Virindra K. Raina, during the inaugural session.

DAY - 2

Why do Bridges in our part of the world crack and Demise much earlier than in many of the first world countries??

Dr. Virindra K. Raina clarified the error we make when determining compressive strength by testing three cubes, which has an accuracy of 3/20. Later, he described the acceptable cube strength criterion, the appropriate time to start concrete curing, concrete mixing drum agitating rpm, effect of wind, relative humidity and ambient temperature for concreting. He then explained why Plastic concrete can develop cracks when the surface evaporation is much more than the rate of bleeding of the concrete. This majorly occurs in slabs and quite less in beams because beams have less surface area exposed to the atmosphere. But the lack of knowledge about this in the filed costed a contractor around \$64M USD.

The solutions to the above mentioned aspects were very clearly explained by Dr. Raina stating that the the cube should be tested when it is wet inside and dry outside, curing is done

right after its initial setting time and the concrete's initial setting time should be 45- 60 min without additives and 120-180 min with additives like plasticisers and retarders. While mixing concrete, the speed should be 25rpm and it should be mixed well for 90-120 sec and while transporting the concrete the agitating speed should not be more than 2- 5 rpm.

Dr. Raina explained the importance and effect of optimum temperature for concrete work and stated that it should be around 32°C, and variation in temperature will have adverse effects and results in poor durable concrete. The surface evaporation of concrete should be 1 lit/sqm/hr. This can also be calculated from the Neville's graph. He further suggested that, in order to tackle this issue when the temperatures are high in summers the concreting work should start from 5pm and continue all through night until morning 11am or accordingly where the temperature is below 32°C.

Dr. Raina went on to provide more comprehensive explanations of the various plastic shrinkage, plastic settlement, and contraction cracks, as well as the typical failure modes in concrete structures, such as flexural cracks, shear cracks, flexure-shear cracks, web shear cracks, failure in deep beams, shear-compression failure, cantilever failure, and torsional failure.

DAY - 3

Dr. Raina continued his talk on "Why do Bridges in our part of the world crack and Demise much earlier than in many of the first world countries?" on Day 3. He explained the various failures in bridge bearings, expansion joints, shrinkage cracks in abutment footings and also suggested measure to rectify such problems. He further continued to explain the pier-column subjected to sea water, delamination of concrete, plastic shrinkage cracks in i.e.wearing course, etc. The cause for shear, flexure and abutment crushing failure in bridges were clearly explained by Dr. Raina and further he suggested the measures to strengthen them.

Dr. Raina classified the Cracks mainly of 2 types, one is dead cracks – which never open, and the second is live cracks -which open and close. The 28days time is a green phase where the concrete is young and gains strength very fast during this phase the top surface shrinks faster than the bottom surface results in the example given 64 million USD loss. After 28 days the phase of the concrete is known as the service phase.

He further discussed the chemical cracks occur after 4 years that mostly occur in the areas of high moisture like Vizag and Bombay. The chemical cracks are due to Sulphate attack and Chloride attack. To avoid this Dr. Raina suggested to use Colloidal concrete (blast furnace slag cement) or use sulphate resisting cement when the temperatures of that area is below 25 degrees and should be strictly avoided in tropical regions.

Dr. Raina explained the common repair technique in treating cracks, i.e. epoxy injection. He further added that it is advisable to use a 2-component epoxy (resin + hardener) for effectiveness. He further explained the crack healing by epoxy use various real life examples. He further explained the significance of stapling / stitching in arresting cracks.

DAY - 4

Economics and quality-trends in alternative bridge-structure schemes

The training course's fourth day is titled "Quantity trends in certain alternative Flyover structure schemes." The program started with the Pearl of Perfection by the great master Leonardo Da Vinci, but the inspiration for it extends back many years to earlier from a log across a stream, successive logs jetting out, a cantilever, etc. The development of bridge forms, grade separators, viaducts, flyovers, etc. were also covered by Dr. Raina. He then went on to describe the requirement and significance of design, drawings, and bill of quantities that the customer is expected to provide.

Dr. Raina explained how to decide the trial dimensions, analysing a structure, designing based on iterations, detailing, drawings, bill of quantities and finally the cost. He then discussed the choice of construction materials, type of bridges to be considered for design based on the field conditions and extended to the efficiency of flanged I & T sections, voided slab deck.

As the discussion went from short span bridges to heavier and longer spans, Dr. Raina explained how circular void cells evolved into rectangular void cells, leading to the creation of the Box section. He continued shortly after by saying that a single cell box was transformed into a multiple cell box whose section depth was limited and offered greater torsional strength.

"FLY-the-traffic-OVER-and-across-an-obstruction" is how Dr. Raina defined the term "FLYOVERS." The significance of the flexibility and stiffness matrix approach of structural analysis was then discussed. Dr. Raina discussed the various types of sectional elements in a flyover girder, stability tower, precast abutments and wingwalls.

DAY -5

The training program's fifth day is titled "Economics and Quantity - Trends in alternative bridge structural plans." The resource person has described how bridges will be analyzed and developed in accordance with the client's requirements while taking into account a variety of alternative choices, such as the types of bridge, span, deck type, type of concrete, etc. Dr. V.K. Raina also went over the development of the drawings, detailing, and bill of quantities.

The development of building materials and construction techniques, including the voided deck slab, single cell box section, and multiple cell box section, was then covered by Dr. Raina. The resource person has described the relationship between span length and cost per unit of deck plain area as well as the estimated amounts of concrete and steel used in different types of bridge decks.

Dr. Raina also discussed the optimal span lengths for various bridge designs. Dr. Raina went into great depth on the various types of bridge structure, construction, traffic details, construction time, and maintenance for various types of bridges i.e.: continuous beam and slab R.C.deck bridge(cast-in-situ), continuous box girder R.C. decks(cast-in-situ), simply supported precast prestressed girders with cast-in-situ R.C. diaphragms, simply supported

P.S.C. box girder. He then went on to discuss how different criteria, such as deck depth, span, cost per unit area, reinforcement, concrete content, prestressing force, etc., affect different bridge types.

DAY - 6

Economics and quality-trends in alternative Flyover-structure schemes

Dr. Raina has continued his lecture from Day 5 by addressing the significance of span lengths (two, three, and four spans), the span-to-depth ratio, and concrete deck thickness for the safety and efficiency of the bridge structure. Different types of bridges, including continuous beam and slab R.C. deck bridges (cast in situ), continuous box girder R.C. decks (cast in situ), simply supported precast prestressed girders with cast-in-situ R.C. diaphragms, and simply supported P.S.C. box girder, were the subject of the design investigation.

These studies gave us some really useful information for developing a concrete bridge part. The design output was then described by Dr. Raina in terms of the reinforcement requirements based on different span lengths and span-to-depth ratios. Dr. Raina displayed the several forms of bridges, each with a different number of spans, span-to-depth ratios, and the accompanying concrete and reinforcement requirements, showing the most efficient type of bridge based on those specifications. The resource person's extensive material shows how the economics of a bridge is impacted by factors like the number of spans, span lengths, and span-to-depth ratios.

Finally, in addition to the necessary amount of concrete, the reinforcement in terms of kg/cu.m of concrete and kg/unit length was also discussed. Dr. Raina assimilated all of the available data and profoundly recommended the bridge that would be the strongest and most cost-effective.



Head, CED

PROFESSOR & HEAD

Department of Civil Engineering

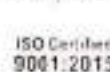
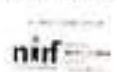
Chaitanya Bharathi Institute of Technology

GANDIPET, HYDERABAD-5000 075,



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



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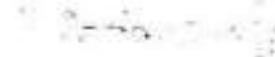
43
years

AICTE Sponsored One week Training Program
On
CRYING NEEDS IN BRIDGE ENGINEERING FOR CAPACITY-BUILDING

CERTIFICATE

This is to certify that Mr. A.Sai Krishna, III Semester M.E., CBIT(A), Hyderabad has participated and successfully completed the AICTE Sponsored One week Training Program on "CRYING NEEDS IN BRIDGE ENGINEERING FOR CAPACITY-BUILDING" organized by the Department of Civil Engineering in association with Prof.V.K.Raina during 22 - 27 August,2022.

Dr. K. Jagannadha Rao
Convener


Dr. P. Ravinder Reddy
Principal

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Gandipet, Hyderabad - 500075

Report on

One day Workshop “Advances in Geotechnical & Structural Engineering”

29th April 2023

Department of Civil Engineering CBIT organized a one-day workshop on “Advances in Civil Engineering - Special Reference to Structural and Geotechnical Engineering” In honor of Dr MVK Rao, Professor, Department of Civil Engineering and Sri G Bhaskar Reddy, Assistant Professor, Department of Civil Engineering on attaining Superannuation.



Dr K Jagannadha Rao, Sri G Baskara Reddy, Dr M. R. Madhav, Dr P. Ravinder Reddy, Dr P Rateesh Kumar, Dr M.V Kriahna Rao during the inaugural session

Prof. P. Ravinder Reddy, principal CBIT welcomed the participants and through light on the role of skills in the growth of students. And he also emphasised growth of civil engineering now a days. on in his remarks to the participants, Professor K. Jagannadha Rao outlined the department's activities in research and consultancy. He also uttered the

importance of these kinds of activities for the overall development of the students. And mentioned some of the recent achievements in civil engineering department. Dr N.R.D Murthy coordinated the workshop. The workshop is conducted in offline attracted more than 60 participants (students, working professionals and faculty from various colleges).

The gathering was addressed by the most experienced individuals, Dr M. R. Madhav, Emeritus Professor JNTUH, (Former Professor IIT Kanpur) and Dr P Ratish Kumar Professor, CED, NITW. The speakers shared their experiences and knowledge among students regarding advantages of Geo-synthetics for sustainability”, and concrete deterioration causes with remedies, deterioration of concrete Structures and overview of strengthening techniques.

Dr M. R. Madhav, Emeritus Professor JNTUH, (Former Professor IIT Kanpur) presented a knowledgeable talk on "Geo-synthetics for sustainability" in which he covered various geo textile and geosynthetic types. And presented different case studies of natural geotextile embankment stabilisation, which he dealt with as a consultant. Additionally, various natural geo-synthetics that are widely accessible and useful for stabilising soil were presented. In his presentation he also discussed about economics aspect also.



Dr M. R. Madhav delivering a lecture on geo-synthetics for sustainability

The following lecture was delivered Dr P Rateesh Kumar, Professor, NIT Warangal on “Repair, Rehabilitation & Retrofitting” Delivered a presentation on Concrete Structure

Deterioration and an Overview of Strengthening Techniques. He focused more on the fundamentals of retrofitting techniques and how concrete is deteriorated by time and harmful environmental conditions in that talk. In his presentation he also shown and explained some of the case studies. Students were actively participated during the session.



Dr P. Rateesh Kumar delivering a lecture on repair, rehabilitation and retrofitting



Participants during the session

Later, the department of civil engineering honoured Dr. MVK Rao and Sri G. Bhaskar Reddy. Both the faculty members recollected their experiences working with CBIT, many faculty shared their relationship with both the faculties.



Felicitation of Mr & Mrs Dr M.V. Krishna Rao



Felicitation of Dr G Baskara Reddy

Head, CED

International Conference on Advances in Civil Engineering 2022

ICACE
20-22 DEC 2022

Acknowledgment

We wholeheartedly acknowledge the role of

Dr. Jnana Ranjan Khuntia

from **Chaitanya Bharathi Institute of Technology, Gandipet, Telangana, India** as a

Session Chair

at the International Conference on Advances in Civil Engineering 2022 held on 20-22 December 2022, organized by Technology Research and Innovation Centre, India and hosted by the LSKBJ College of Engineering, Chandwad, Nashik, India.



Dr. Sandip A. Kale
Technical Committee Chair



Dr. Yuvaraj L. Bhirud
Chairperson



Dr. K Jagannadha Rao
Chairperson



Dr. Mahadeo D. Kokate
Principal, LSKBJ COE, India



LSKBJ College of
Engineering,
Chandwad, India



Chaitanya Bharathi
Institute of Technology
(A), Hyderabad, India



Technology Research
and Innovation Centre,
India



Academy of
Nanotechnology & Waste
Water Innovations, SA



Accra Technical
University,
Ghana



SGM College of
Engineering,
Mahagaon, India

International Conference on Advances in Civil Engineering 2022

ICACE
20-22 DEC 2022

Acknowledgment

We wholeheartedly acknowledge the role of

Dr. N.R. Dakshina Murthy

from **Chaitanya Bharathi Institute of Technology, Gandipet, Telangana, India** as a

Session Chair

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Acknowledgment

We wholeheartedly acknowledge the role of

Dr. K. Jagannadha Rao

from Chaitanya Bharathi Institute of Technology, Gandipet, Telangana, India as a

Session Chair

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International Conference on Advances in Civil Engineering 2022

ICACE
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Acknowledgment

We wholeheartedly acknowledge the role of

Dr. T. Chaitanya Srikrishna

from **Chaitanya Bharathi Institute of Technology, Gandipet, Telangana, India** as a

Session Chair

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Chairperson



Dr. K Jagannadha Rao
Chairperson



Dr. Mahadeo D. Kokate
Principal, LSKBJ COE, India



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We wholeheartedly acknowledge the role of

Dr. Dudam Bharath Kumar

from **Chaitanya Bharathi Institute of Technology, Gandipet, Telangana, India** as a

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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

43
years

No. 326/CBIT-AEC/2022

DT: 27.08.2022

CIRCULAR

It is proposed to organize an Alumni Talk No. 6 / 2022 on "Characterization of novel mutations in Spleen Tyrosine Kinase (SYK)" to the V and VII Semester Students of B. Tech (Biotechnology) on 30.08.2022 from 01.30 PM to 02.30 PM through online mode as part of the CBIT Alumni Theme for 2022, The Knowledge Partners. Dr. Madan Mohan Gambheer, Sudheer, Product Manager, Cell Analysis Marketing, Miltenyi Biotec B.V. & Co. KG., Bergisch Gladbach, Germany, an Alumnus of CBIT, 2013 batch of Biotechnology, will deliver the talk. All the above said students are directed to attend the same and the attendance will be taken by the concerned Class Teachers. *1/c* Head, Department of Bio-Technology, is advised to instruct the concerned Faculty to take attendance of the respective students during the Session. Other interested Students and Faculty of other departments may also attend.

Meeting Link:

<https://cbithyd.webex.com/cbithyd/j.php?MTID=md86a9103d508af54b934ad14796a57f8>

Meeting number: 2643 928 4253

Meeting password: inRvDhje996


PRINCIPAL

To

The Head of the Department of Bio-Technology, for information & *n/a*.
CC: All Directors, COE, HR & PRO for information.

No. 326/CBIT-AEC/2022

Dt: 27.08.2022

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PRINCIPAL

To

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Chaitanya Bharathi Institute of Technology (A), Hyderabad
Department of Biotechnology

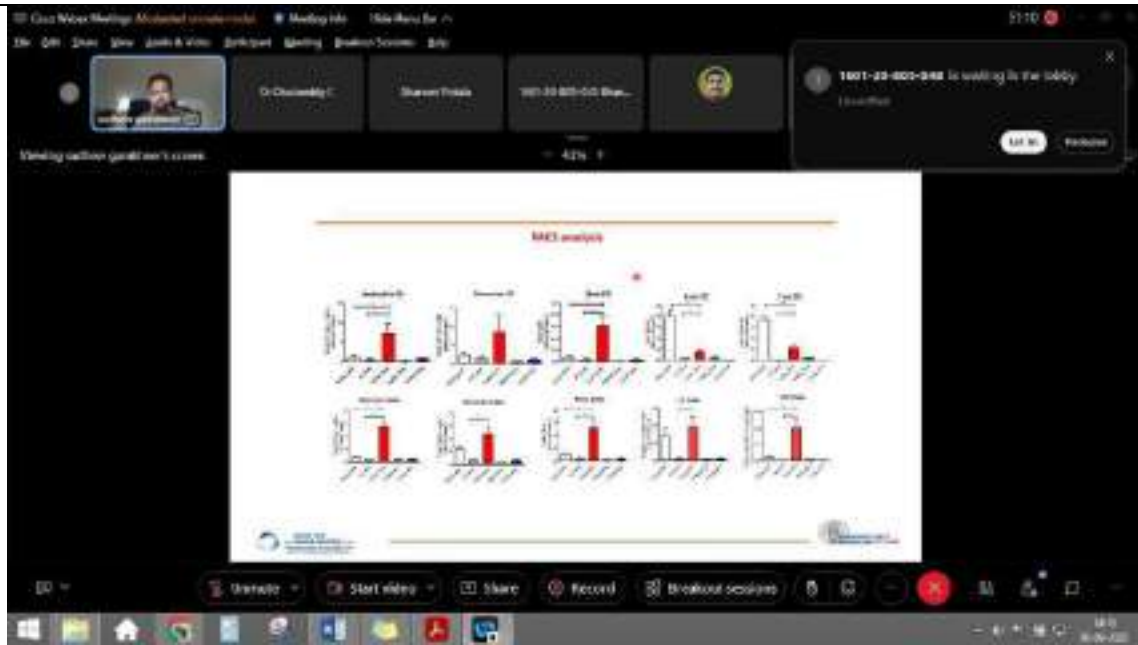
A BRIEF REPORT

On

Biotechnology-Alumni Talk conducted on **30.08.2022; 01:30 to 02:30 PM**

CISCO WEBEX Meeting : https://cbithyd.webex.com/meet/hod_biotech

Name of the Knowledge Partners	Dr Madan Mohan gambheer (2013 batch of Bio-Technology)
Designation	Product Manager, Cell Analysis Marketing, Miltenyi Biotec B.V & Co. KG., Bergisch Gladbach, Germany
Topic of presentation	Characterizations of Novel mutations in Spleen Tyrosine kinase (SYK)
Overview of Session Ms Sirisha of 5 th Sem Biotechnology gave a brief introduction about Dr Madan Mohan gambheer, Product Manager, Cell Analysis Marketing, Miltenyi Biotec B.V & Co. KG., Bergisch Gladbach, Germany The lecture session was started with introduction to “Spleen Tyrosine kinase (SYK)” and its different malignancies viz., haematological, etc. In later slides, novel point mutations, invitro characterization of SYK mutations, constitutive activation of SYK and its downstream targets, activation by SYK dimerization, mutations leading to sensitivity to SYK inhibitor treatment, invivo characterization of SYK mutations (bone marrow transplantation model, FACS analysis, etc.), etc. have been discussed in detail. There was Q/A session for both students and faculties after the talk.	
Target Participants: All the students of B.Tech Biotechnology (V and VII Sem students) and Faculty members of Biotechnology department have attended the session.	
Outcome of the Session <ul style="list-style-type: none">• Mutations and its importance has been understood• Spleen Tyrosine kinase (SYK) and its role in different malignancies	
Snapshot during the session	



Dr. V. Aruna
Asst. Professor, Biotechnology
Coordinator-Program Content
Committees

Dr. C. Nagendranatha Reddy
Asst. Professor, Biotechnology
Coordinator-Program Content
Committees

Dr. B. Mishra
Asst. Professor, Biotechnology
Coordinator-Program Content
Committees

Dr. Y. Rajasri
Associate Professor and Head, Biotechnology

















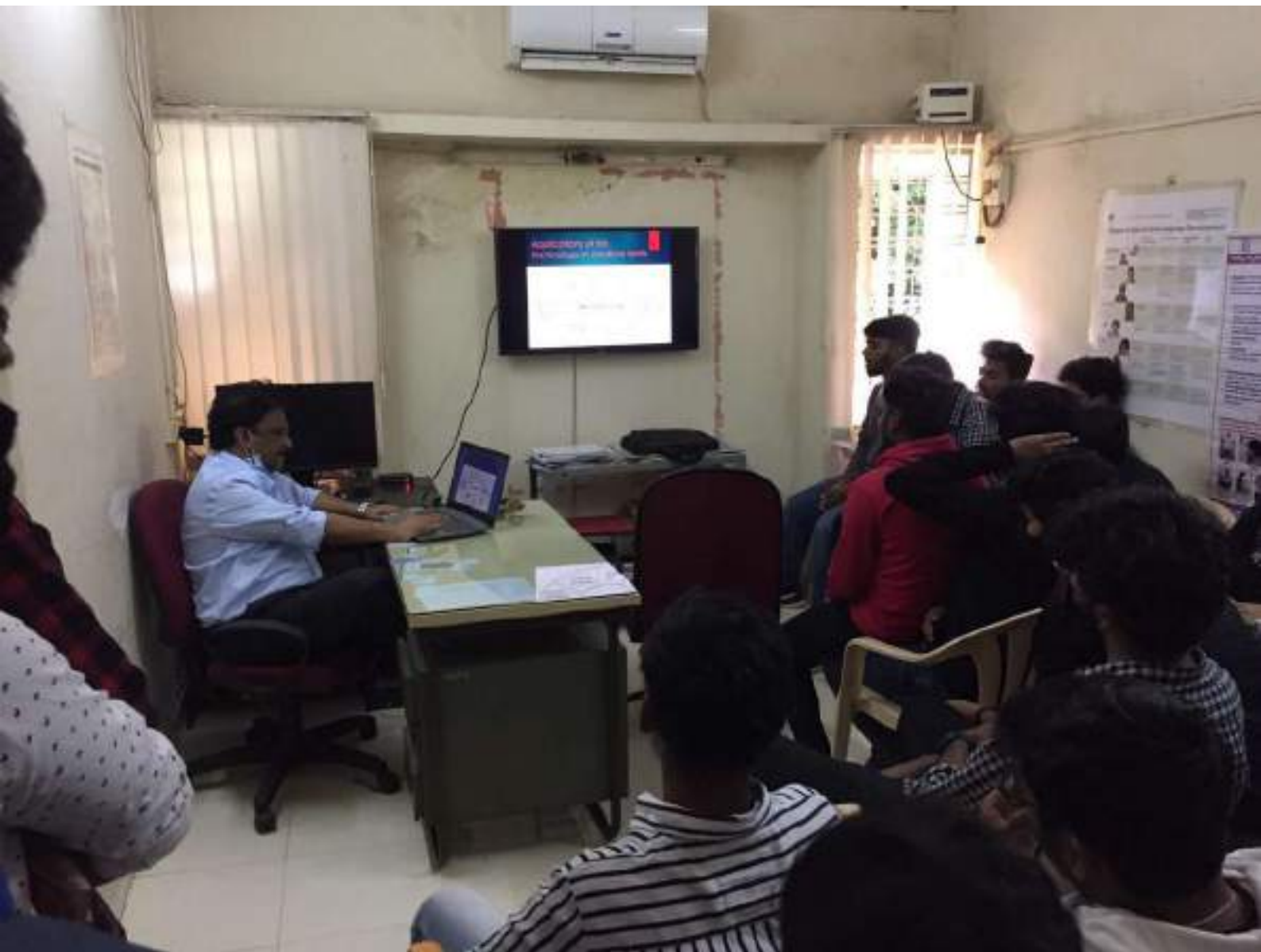


























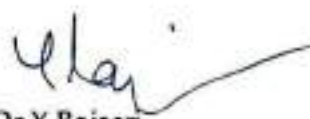






CIRCULAR

Department of Biotechnology is organizing hands on Training on "Techniques in Biochemistry, Immunology and microbiology" as a part of pre placement training activities conducted by the department on 15.09.2022 from 9:00 AM to 1:00PM. Dr. C. Obula reddy, Assistant Professor and Dr.Bishwambhar Mishra, Assistant Professor Department of Biotechnology ,will provide the training. In this regard all the VII semester Students of the Department are hereby advised to attend the same without Fail. Attendance will be taken by the above mentioned faculty



Dr.Y.Rajasri

Head

Department of Biotechnology

9:00am to 12:15pm

Chaitanya Bharathi Institute of Technology**Department of Biotechnology**Pre-Placement training activity -15th September, 2022

Hands on training on techniques in Biochemistry, Immunology & Microbiology

S.no	Roll no. (1601198050XX)	Name	Signature
1.	160118805004	Dedeepya Adicherla	ABS ENT
2.	160119805001	Aishwarya CVS	Aishwarya CVS
3.	160119805002	Amalya Adavalli	Amalya Adavalli
4.	160119805003	Anushka Bera	Anushka Bera
5.	160119805004	T Bhavya	T. Bhavya
6.	160119805005	Chikitha Andela	Chikitha Andela
7.	160119805006	M.Deekshitha	Deekshitha
8.	160119805008	D kavya	D Kavya
9.	160119805009	Janardhan Keerthi	Keerthi
10.	160119805010	Krushe Mundru	ABS ENT
11.	160119805011	Lahari	Lahari
13.	160119805012	Mahitha Pyla	Mahitha Pyla
13.	160119805013	Manishareddy.g	Manishareddy.g
14.	160119805014	Bellapurla Mary Karen	Mary Karen
15.	160119805016	DUGGI REDDY NAVYA SREE	Navya Sree
16.	160119805017	Shekhar Ravalika	ABS ENT
17.	160119805018	Rishivika Shruthi Vankadam	Rishivika Shruthi Vankadam
18.	160119805019	V. Rohini Reddy	V. K. V. Reddy
19.	160119805020	Ruthika	Ruthika
20.	160119805021	M. Sai Sahithi	Sahithi
21.	160119805022	Samhitha Cheruku	Samhitha Cheruku
22.	160119805023	Sanjana. K	Sanjana. K
23.	160119805024	KVSSN Mounika	ABS ENT
24.	160119805025	Shaik Nousheen	Nousheen
25.	160119805026	Hazari shivani	H shivani
26.	160119805027	Shivanmitha Gudipati	Shivanmitha Gudipati
27.	160119805029	Sravya Kunaparaju	Sravya Kunaparaju
28.	160119805030	Sri harshini Kothamasu	Sri harshini Kothamasu
29.	160119805031	Sruthi Reddy Sompuram	Sruthi Reddy Sompuram
30.	160119805032	Sushma Eunice Rekala	Sushma Eunice Rekala
31.	160119805033	Vaishnavi Mokkalapati	Vaishnavi Mokkalapati
32.	160119805034	Punna vaishnavi	P. vaishnavi
33.	160119805035	Vamshipriya	Vamshipriya

34.	160119805036	Varshini Upputerla	Varshini
35.	160119805037	Veniya Gollhi	Veniya
36.	160119805038	Abdul Muqceeth	Abdul
37.	160119805039	Kansoth Abhishek Naik	Kansoth
38.	160119805040	Avinash Thammanaboina	Avinash
39.	160119805041	Bhanu Shankar Dhulipalla	ANS GWT
40.	160119805042	Caleb Joel Raj	Caleb
41.	160119805045	Dilip kumar	Dilip
42.	160119805046	Goremuchu Jeremiah Paul	ANS GWT
43.	160119805047	N.Likhit Sai Phani Chowdary	N.Likhit
44.	160119805049	Karnam Muktananda	Karnam
45.	160119805050	Balam Prashanth kumar	Prashanth
46.	160119805051	V.rithwik	Rithwik
47.	160119805052	Sai phani raj.B	Sai phani
48.	160119805053	Allum Sai Ram	Allum
49.	160119805054	NELANTI SANTHOSH KUMAR	NELANTI
50.	160119805055	SATYANARAYANA REDDY	SATYANARAYANA
51.	160119805056	Chenna Sumeet	Chenna
52.	160119805057	Veerabhadram	Veerabhadram
53.	160119805058	Malavathu Venkateshh	Malavathu
54.	160119805059	Yashir	Yashir
55.	160119805060	Sahithi Bathula	Sahithi

Faculty Signature

C. S. S. S.
15/9/22

B. S. S. S.
15/09/2022

Y. S. S. S.
Head
Dept. of Biotechnology
15/9/22

Chaitanya Bharathi Institute of Technology (A), Hyderabad

Department of Biotechnology

A BRIEF REPORT

On

Pre-Placement activity conducted on 15th September, 2022; 09:00AM - 01.00 PM

Name of the Knowledge Partners	Dr. C Obula Reddy, Dr. Bishwambhar Mishra
Designation	Assistant professors, department of biotechnology, CBIT
Topic	Hands on training on “Techniques in Biochemistry, Immunology and Microbiology”.
Overview of Session Under the guidance of Dr. C. Obula Reddy, Asst. professor Biotechnology, Dr. Bishwambhar Mishra Asst. professor Biotechnology a hands-on training on “Techniques in Biochemistry, Immunology, and Microbiology” was conducted for the 7th Semester students on 15th September 2022. The session was conducted to brush up and enhance their technical skills and to strengthen the performance of the students in the upcoming placements. The session concentrated on the basics of biotechnology in the fields of immunology, microbiology, and biochemistry. Antibiotic testing, measurement of pH, estimation of macromolecules using different methods, microscopy, gram staining techniques, plating techniques, etc.	
Target Participants: Students of B.Tech Biotechnology (VII-Semester)	
Outcome of the Session <ul style="list-style-type: none">• Revision of all the important biotechnology laboratory procedures.• Hands-on experience, instrument handling.• Doubts clarification	







Chaitanya Bharathi Institute of Technology

Department of Biotechnology(VIIth Sem)

Pre-Placement training activity - Career Development Cell(20th September, 2022)

Guest lecture on "Bioprocess Engineering and their applications in Biotech Industries" - By Dr. Prasad Ernala

2:00 pm to 4:00 pm

S.no	Roll no. (1601198050XX)	Name	Signature
1.	160118805004	Dedeepya Adicherla	Dedeepya
2.	160119805001	Aishwarya CVS	Aishwarya
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35.	160119805037	Veniya Golthi	H Veniya
36.	160119805038	Abdul Muqeeth	Abdull
37.	160119805039	Kansoth Ablishek Naik	Abis
38.	160119805040	Avinash Thammanaboina	Avi
39.	160119805041	Bhanu Shankar Dhulipalla	D. Bhanu
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53.	160119805058	Malavathu Venkateshh	ASSET
54.	160119805059	Yashir	Yashir
55.	160119805060	Sahithi Bathula	Sahithi

Chaitanya Bharathi Institute of Technology

2:00 pm to 4:00 pm

Department of Biotechnology(Vth Sem)

Pre-Placement training activity – Career Development Cell(20th September, 2022)

Guest lecture on “Bioprocess Engineering and their applications in Biotech Industries” –
By Dr. Prasad Ernala

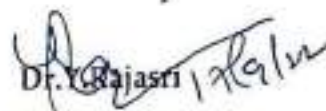
S.no.	Name of the student	RollNo	Signature
1	AdithiReddiKamana	160120805001	Adithi
2	KulkarniAishwarya	160120805002	Aishwarya
3	Alwina.G	160120805003	Alwina G.
4	B.Mounika	160120805005	B.Mounika
5	BodikaShynisha	160120805006	Shynisha
6	ChaitraGali	160120805007	G. Chaitra
7	ChSh Sudheshna	160120805008	Ch. Sudheshna
8	DivyaPremaSuroju	160120805009	Divya
9	ShaikFouziaRafath	160120805010	Fouzia
10	HamsiniKatla	160120805012	Hamsini
11	JyothikaMeenakshikambhampati	160120805013	K. Jyothika
12	P.Kavya Pasirika	160120805014	P. Kavya Pasirika
13	SujathaKolluru	160120805016	Sujatha
14	NehaReddyMarapalli	160120805017	Neha
15	BallaReenaPravallika	160120805018	B. Reena Pravallika
16	ValluruSaileelaSirisha	160120805019	Saileela
17	SaiShriyaY	160120805020	Sai Shriya
18	SanjanaReddy Paila	160120805021	Sanjana
19	K. Sathvika	160120805022	K. Sathvika
20	PokalaSharvani	160120805023	P. Sharvani
21	Shivani Reddy	160120805024	Shivani Reddy
22	ShreechandraSalukuti	160120805025	Shreechandra
23	Shreenija Peri	160120805026	Shreenija
24	Banalla Shreya	160120805027	B. Shreya
25	Shriya Reddy Patlolla	160120805028	Shriya
26	B Sneha	160120805029	B. Sneha
27	Souborni Nandy	160120805030	Souborni
28	Soumya Mandala	160120805031	Soumya
29	SpoorthiSada	160120805032	Spoorthi
30	Sravani Neelam	160120805033	N. Sravani
31	V. Sri Varsha	160120805034	V. Sri Varsha
32	TanmayiBoreda	160120805035	T. Tanmayi
33	SyedaUmamah Fatima	160120805036	Syeda Umamah

34	V. Shreya Sharma	160120805037	ABSENT
35	L. Vennela	160120805038	L. Vennela
36	Gaddam Akash	160120805039	Gaddam Akash
37	Abhishek Alloju	160120805040	Abhishek Alloju
38	Anirudh	160120805041	Anirudh
39	RAMAGALLA ASHISH	160120805042	Ramagalla Ashish
40	BADHE NITIN RATNAM	160120805043	Bal
41	DOOLAM BALAJI	160120805044	D. Balaji
42	THIRUNAGARI BHANU PRAKASH	160120805045	Bhanu
43	MATTA CHENNA KESHAVA CHARAN	160120805046	M.C. Chenna Keshava Charan
44	PATLOLLA DINESH REDDY	160120805047	ABSENT
45	DIVYAMSHU SURABHI	160120805048	ABSENT
46	T GOURAV	160120805049	T Gourav
47	POLE HARISH	160120805050	Harish
48	KOLLURU HRITHIK	160120805051	Kolluru Hrithik
49	KALLURI CHETAN BABU	160120805052	chetan k
50	METTU VIKKI KUMAR	160120805053	Vikki
51	MADASU MIHIR CHANDRA	160120805054	Madasu Mihir Chandra
52	NARU RAKESH REDDY	160120805055	N Rakesh
53	SAI CHANDRA VARNA KORRAPATI	160120805056	Varna
54	DIDUGU LALITHA KUMARI SAI PRATHIBH	160120805057	Prathibha
55	CHINTHAKINDHI SAMANTH	160120805058	ABSENT
56	MAMIDI SUMANTH RAO	160120805059	Mamidi Sumanth Rao
57	KAMBHAMPATI YASHASVI	160120805060	Kambhampati Yashasvi

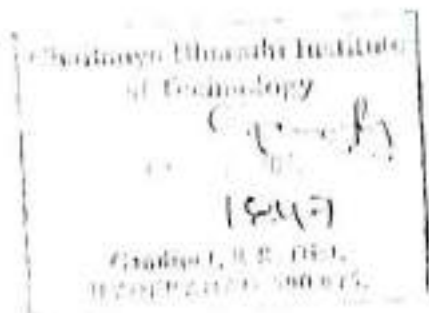
Department of Biotechnology

CIRCULAR

The Guest Lecture on "Bioprocess engineering concepts and their application in Biotech Industries" as a part of pre placement training activities which was planned to be conducted by the department on 17.09.2022 from 1:30 PM to 3:00 PM has been rescheduled to 20.09.2022. from 2:00pm to 4:00pm. Dr. PRASAD ERNALA, Sr. Scientist / Technology specialist, Fermentation Technology Development Center, Dr. Reddys Laboratories-Hyderabad,, will deliver the Lecture. In this regard all the V and VII semester Students, Faculty and non-teaching staff of the Department are hereby advised to attend the same without Fail. Attendance will be taken by the respective class teachers.


Dr. Y. Rajasri

Head, Department of Biotechnology



14/09/2022

Hyderabad.

To
The Principal
CBIT
Gandipet Hyderabad.

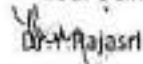
Respected Sir.,

Subject: Permission to conduct a Guest Lecture On "Bioprocess Engineering Concepts and their application in Biotech Industries" on 17/09/2022 at Department of biotechnology CBIT.

We would like to inform you that Department of biotechnology is interested in conducting a Guest Lecture On "Bioprocess Engineering Concepts and their application in biotech industries" as a part of pre placement training activities, on 17.09.2022 from 1:30 PM to 3:00PM. Dr. PRASAD ERNALA, Sr. Scientist / Technology specialist, Fermentation Technology Development Center, Dr. Reddys Laboratories-Hyderabad., will deliver the Lecture. In this regard, I request you to grant permission to conduct this Guest Lecture and sanction the Honararium as per college norms (Rs 3000 + Rs 1500) to be handed over to the speaker.

Thanking you,

Your's sincerely


Dr. V. Rajasri

Head of the department

Chaitanya Bharathi Institute of Technology (A), Hyderabad
Department of Biotechnology

A brief report on

Pre-Placement Talk conducted on 20th September, 2022; 02:00 - 04.00 PM

Name of the Knowledge Partners	Dr. Prasad Ernala (Dr Reddy's Laboratories, Hyderabad)
Designation	Senior Scientist/ Technology specialist, Fermentation Technology Development Centre. Dr. Reddy's Laboratories
Topic of presentation	Bioprocess engineering concepts and their application in Biotech industries.

Overview of the session:

Department of Biotechnology, CBIT, as a part of the pre-placement training activity, conducted a guest talk, given by Dr. Prasad Ernala, Senior Scientist/ Technology specialist, Fermentation Technology Development Centre. Dr. Reddy's Laboratories, Hyderabad. The placement talk was arranged by the Faculty Placement coordinator Dr. Sumithra Salla, and the student placement coordinators of the department.

The talk was inaugurated by a brief introduction of the esteemed speaker Dr. Rajasri Yadavalli, Head of the department, of Biotechnology. The honorable speaker started the talk by addressing the faculty and students of the department.

The talk was mainly focused on the final year students who are about to appear for the core placements. Dr. Prasad Ernala sir has given a few essential tips to the students on how to structure their career paths. He shed some light on the paths which will be available to the students after their graduation and encouraged the students to pursue the core subjects of biotechnology. The esteemed speaker has provided the students with some useful keys on how to structure their resumes and given some key points of what a company or an industry expects from a student. The talk is mainly focused on how a student should develop industry-ready skills and interpersonal skills to achieve their dream placement. The esteemed speaker shared some anecdotes from his career as well to motivate the students.

Towards the end of the session, 4th-year students were divided into groups of six, and a mock interview scenario was created by Dr. Prasad Ernala sir.

Target Participants:

Students of B.Tech Biotechnology (V-Semester, VII-Semester) and Faculty of Biotechnology department had attended the session.

CCMB September visit on 26-09-22
Time: 8-30AM-9-30AM

no.	Name	Roll no:	Signature
1.	Sirisha Valluru	1601-20-805-019	<u>Sirisha</u>
2.	Sai Shriya.Y	1601-20-805-020	<u>Sai</u>
3.	Sujatha Kolluru	1601-20-805-016	<u>K.Sujatha</u>
4.	Fouzia Rajath	1601-20-805-010	<u>Fouzia</u>
5.	Sharvani Pokala	1601-20-805-023	<u>P. Sharvani</u>
6.	Spoothi Sada	1601-20-805-032	<u>Spoothi Sada</u>
7.	M.G.K. Charan	1601-20-805-046	M.G.K. Charan <u>Meenakshi</u>
8.	Jyothika Meenakshi K	1601-20-805-013	<u>Meenakshi</u>
9.	Chaitra Gali	1601-20-805-007	G. Chaitra
10.	Balaji Doolani	1601-20-805-0044	<u>D. Balaji</u>
11.	N Rakesh Reddy	1601-20-805-055	<u>N Rakesh</u>
12.	Dinyanishu	1601-20-805-048	<u>Dinyanishu</u>
13.	Prathibh	1601-20-805-057	
14.	Skreenija	1601-20-805-026	
15.	Sudeshna	1601-20-805-008	
16.	Aishwarya	1601-20-805-002	
17.	M VIKKI KUMAR	1601-20-805-053	<u>Vikki</u>
18.	B.Reena Pravallika.	1601-20-805-028.	<u>B. Reena Pravallika</u>
19.	Aniruddha Wheeleram.B	1601-20-805-041	<u>Aniruddha</u>
20.	B. Wheeler	1601-20-805-027	<u>B. Wheeler</u>
21.	B. Nitin Ratnam	1601-20-805-043	<u>Nitin</u>
22.	K. Chetan Babu	1601-20-805-052	<u>Chetan</u>
23.	Dinya Purna	1601-20-805-009	<u>Dinya</u>

S.NO	Name	Roll no	Signature
24.	K. Sathvika	1601-20-805-022	<u>Sathvika</u>
25	T. Bhanu Prakash	1601-20-805-045	<u>Bhanu</u>
26.	M. Neha Reddy	1601-20-805-017	<u>Neha</u>
27.	K. Shivani Reddy	1601-20-805-024	<u>SL</u>
28.	K. Hrithik	1601-20-805-051	<u>Hrithik</u>
29.	M. Soumya	1601-20-805-031	<u>M Soumya</u>
30.	N. Sravani	1601-20-805-033	<u>N. Sravani</u>



P-106



HUMAN GENOME

THE BLUEPRINT OF HUMAN LIFE

Human body is made up of trillions of cells each cell has genetic material also known as DNA



99.9% percent share the same genome

Some genomic variants give us



I am Chromosome

Share the letters and only differs from my father and the other chromosome



Some part of the DNA codes genes for proteins which perform cellular functions in our body



Human genome made up of 3.1 Billion base 3,100,000,000!



TRACING VIRUS FOOTSTEPS



SNEAK ATTACK



TEST

TRACE

CONTROL



How to be a viral genome detective?



- Find mutations
- Catch new variants
- Explore our website below



GEAR-19 Genome Epidemiology and Response System for COVID-19



SNAKEBITE FIRST-AID

Do's



Bitten by a snake, Call the ambulance.



Immobilize the victim. Remove belt, jewellery, watch, rings, etc as the bitten area may swell.



If ambulance is delayed, rush to the nearest hospital using any mode of transport.



Transport the victim lying on left side, right leg bent and hand supporting the face. Patient will breathe better and not choke on vomit.



Inform the doctor details of the bite. Antivenom is the only cure.

Don'ts



Do not panic. Snakebite is a treatable condition.



Say no to faith healing. Do not try to kill or capture the snake.



Do not cut or suck the bite area.



Do not tie a tourniquet, apply ice or massage the bitten area as it causes further damage.



Do not self medicate or apply any herbs or spices. Nothing helps.

How To Avoid Snakebite



Wear a closed pair of shoes while going out.



Always use a torch at night. Look where you put your hand or foot.



Avoid sleeping on the floor and use a well tucked mosquito net.



Keep home and surroundings clean and clutter free. Control rodent population.



Prevent Snakebite Save a life!
Create awareness in communities. Help prevent snakebite.



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ड्रोसोफिला प्रयोगशाला
DROSOPHILA LAB



EQV 27A

12 mg

1.1 mg
24.05





LEVELS OF PROTEIN STRUCTURE



TERTIARY STRUCTURE





















Report on Orientation Session regarding the Placement Preparation,

Building and Preparation of Resume

On 20th October 2022, the Career Development Centre (CDC) of Chaitanya Bharathi Institute of Technology (CBIT) had organized an orientation session for the current prefinal year students of B.E/B. Tech with the following agenda:

- Placement preparation
- Building up of your Resume
- Guidelines for preparing your Resume

The Orientation Session for the current prefinal year students of Biotechnology department was scheduled and conducted during the time slot: 3:00 PM to 4:00 PM. The present session was organized and supervised by the Biotechnology faculty (Mrs. S Sumithra Ma'am and Dr. Sanjeeb Kumar Sir) and the Placement Co-ordinators for the Biotechnology Department (Ms. KVS Staya Nagalakshi Mounika; 4th Year and Mr. Bhanu Shankar Dhulipalla; 4th Year). The session was structured in the following pattern, where the Placement Co-ordinators wanted to emphasize on the non-core and core opportunities. And how to search, identify, decide, and seize the opportunities presented, before its too late. The session was conducted in the following pattern:

1. Brief explanation upon the Placements procedure, Career opportunities for those who are interested in non-core and/or core fields. By the Placement Co-ordinators.
2. Followed by insights into how non-core firms conduct interview, how they evaluate the students and how the selection process goes on. By the senior 4th Year students, who got placed in non-core companies like Accenture, Cognizant and Mindtree.

3. Similarly, insights into the testing, interview, and selection process by the core firm; Virchow Biotech. By the senior 4th Year students who received placements in that firm.
4. Further followed by one of the Placement Co-ordinators: Mr. Bhanu Shankar Dhulipalla; 4th Year, who explained the process of pursuing masters.
5. And concluded with a talk by our 4th Year senior student; Ms. Anushka Bera. Who briefed us upon the difficulties, opportunities, and the achievable aspect of pursuing dual streams.

A word by our Placement Co-ordinators:

Initially, the Placement Co-ordinators had explained and extensively elaborated upon the gravity that the present prefinal year holds for us and why it is incredibly important that we utilize this present time to prepare ourselves for the upcoming battles. They shared their present experiences about how difficult and in some cases quite impossible it had become for them to organize, plan, prepare and manage all the nerve-racking placements process and all the while management of their final year project. They further accentuated upon the building of resume and why the prefinal is the best time to do that. Therefore, they advised us to participate in multiple conferences, perform projects and present them. And also, that to focus or channelize our efforts in a specialized manner. For instance, taking up projects and internships that co-relate with career decisions and also not to penalize our scope of improvement by solely focusing on technical skills, as overall development is important.

Placement Process of Non-Core Firms:

- **Accenture:** Firstly, one of our seniors; Ms. Sri Harshini Kothamasu who got placement in Accenture, had explained her journey. She explained the pattern which starts with cognitive ability test which contained 50 – 55 questions and lasted for 1h 30 minutes.

After qualifying this round, the examinee moves onto the coding round where they are presented with 2 questions and the duration is 45 minutes. She highlighted that the examiner does pay attention to how quickly the examinee is able to write the code. The 3rd round, includes a communication assessment which does not affect your chances of attending the interview. As nonetheless, you will move on the interview which is purely HR based. In the end, she stressed on the importance of being brushed up with mathematics, being thorough with at least one coding language, having knowledge on basics of coding languages like could networks and that the interviewers are very much interested in our final year project (especially the expected/experimental results).

- **Cognizant:** Moving on, next we were briefed on the placement process of Cognizant by our senior Ms. Lahari Mekala. The process consisted of 3 rounds in the following order: Aptitude Test (logical reasoning), Communication Assessment and then the Interview (which is comprised of aptitude questions, technical questions and questions related to the biotechnology subjects). She extensively underlined that your confidence is the key i.e., the interviewer is testing on how confident you are on the knowledge you have acquired. And unlike Accenture, Cognizant does not have a coding-based round.
- **Mindtree:** The final non-core firm that we were introduced about was Mindtree by our senior and the Placement Co-ordinator: Ms. KVS Staya Nagalakshi Mounika. The Assessment part of Mindtree's placement process consists of 3 sections: Aptitude test, Mathematics test and English language test. Followed by 2 types of Interview: Technical based and HR based. And similar to Cognizant, the Mindtree's placement process does not have a coding round. And our senior stressed on the fact that since we are Biotechnology graduates, the interviewers would not be expecting professional level coding knowledge from us, but they would expect us to be perfect with the basics of coding.

Placement Process of Core Firm (Virchow Biotech):

- Now coming to one of the Core firms, which conducted placement screening at CBIT for the Biotechnology graduates is Virchow Biotech. Some of our seniors who placement in Virchow Biotech: Ms. Mahitha, Ms. Sanjana, and Mr. Paul had described to us, the placement process. The process started off with an interview, which focused of basics of Fermentation technology, Downstream Processing, Immunology, Microbiology, and all other subjects that are a part of our curriculum over the 4 years of B. Tech Biotechnology. And the interviewer also focused on various laboratory techniques we have learnt; about the projects we had conducted, and the internships taken up.

In summary, the key take aways of all the placements process is that we have to be confident in answering, be thorough with basic knowledge, have a grip on at least one coding language (for non-core) & have a grip on the core subjects that we have/will study during our 4 year course, participate in multiple conferences, perform & present substantial projects and its high-time that we should start building up our resume during our prefinal year (as once you enter into the 4th Year, you'll have no time to focus on these aspects). And it is highly essential to not panic, stress yourself to the extremes. As *“Health is the greatest of human blessings.” – Hippocrates.*

Pursuing Masters after graduation:

- Moving on, our senior and Placement Co-ordinator: Mr. Bhanu Shankar Dhulipalla, explained about to plan efficiently and apply for masters. He firstly discussed about the different intakes that universities offer and that we should concentrate more on the fall intake as it coincides with our academic plan. However, he also mentioned that because this fact, the competition for the fall intake is a lot higher, so we must be prepared

thoroughly. He had also mentioned that the requirements of certain exams like TOEFL, IELTS, GRE etc. differ from university to university and it is our responsibility to investigate into all the requirements of the university that we plan on applying. Additionally, some universities demand for your CGPA, whilst some demand for a detailed converted scoresheet from the 1st Semester to 8th Semester. And to convert one's CGPA into GPA, a special service exists called: WES (World Education Services) Evaluation.

Pursuing MBA after graduation:

- The session was concluded with a talk from our senior Ms. Anushka Bera, who talked about the aspects of pursuing management streamline alongside focusing on your core science stream. She mentioned that if you are genuinely interested and have the zeal to put in the needed efforts to pursue management. Then it is possible to pursue dual stream in parallel. She had also mentioned about the various exams available for a variety of management courses such as CMAT, GMAT, CAT etc. Moreover, she informed us that in general, majority of MBA exams consists of 3 sections: Quantitative (Mathematics), English and Logical Reasoning & Data Interpretation (mandatory in all MBA exams). However, there are additional 2 sections: Decision making and General knowledge, when pursuing for HR (Human Resources).

In the end, we prefinal year students would like to thank Mrs. S Sumithra Ma'am, Dr. Sanjeeb Kumar Sir, our Placement Co-ordinators (Ms. KVS Staya Nagalakshi Mounika; 4th Year and Mr. Bhanu Shankar Dhulipalla; 4th Year), and our seniors, for arranging this orientation session and for enlightening us about how important it the current prefinal year for us and how the decisions that we take now will mould our career path in the future.



























CHATTOPADHYAY INSTITUTE OF TECHNOLOGY
DEPARTMENT OF DISTANCE EDUCATION
DEPARTMENT VISION
DEPARTMENT MISSION

CHATTOPADHYAY INSTITUTE OF TECHNOLOGY
DEPARTMENT OF DISTANCE EDUCATION
VISION OF DEPARTMENT
MISSION OF DEPARTMENT
VALUES OF DEPARTMENT























REPORT ON IMPORTANCE OF PROFILE BUILDING FOR HIGHER EDUCATION & PLACEMENTS

On 4th November, 2022, Career Labs organised a profile building session for 5th semester, B.Tech Biotechnology department students with the following agenda:

- Awareness on the available opportunities after engineering
- Master's in abroad and India
- Awareness on GRE test

The profile session for the current prefinal year students of Biotechnology department was scheduled and conducted during the time slot: 10:10 PM to 12:15 PM. The present session was organized and supervised by the Biotechnology faculty (Mrs. S Sumithra and Dr. Sanjeeb Kumar). The session was initiated by Mr. Saikiran Dudyala, who introduced us about CareerLabs and different opportunities for an engineering undergraduate.

Awareness on the available opportunities after engineering:

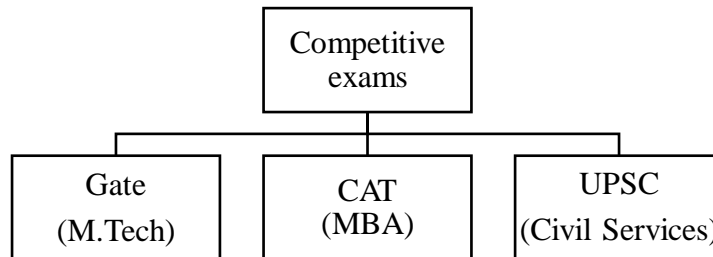
Mr. Saikiran Dudyala, Associate Vice President, Academics and Delivery explained about the opportunities after engineering, those are:

1. **Start own business:** Entrepreneurship or starting your own business is an option for engineering graduates who are innovative and risk-takers.
2. **Placements:** Mr. Saikiran gave us a clear picture on different job opportunities an engineering graduate can try for:
 - Engineering & Technical roles
 - Creative roles
 - Managerial & Techno-managerial roles

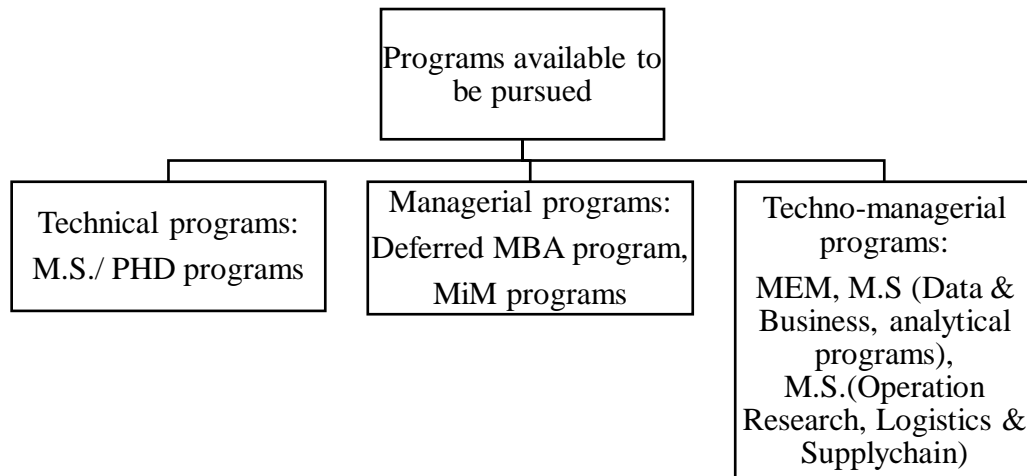
3. **Higher education:** Mr. Saikiran discussed about the opportunities of Higher studies in India or Abroad.

- **Pursuing higher education in India:**

Mr.Saikiran explained about the respective examinations that needs to be attempted to secure a Master’s seat in India.



- **Pursuing higher education in abroad:**



Mr. Saikiran also emphasised on reasons why to attempt GRE test.

Insights about Master's in India & abroad:

Moving on, **Mr. Ganesh Babu**, Team lead at Careerlabs, explained about the opportunities available for master's in abroad and in India. He further stressed on the fact that the ratio between number of opportunities available and the number of aspirants is quite low in India. As the no. of aspirants overwhelm the available opportunities. In addition to that, he distinguished the screening procedure of India and foreign countries. In India, the examination-based screening occurs, whereas foreign universities prefer a holistic approach.

He also discussed the 3 critical approaches for any student to achieve a Master's seat in top foreign universities. They were:

1. **GRE score:** Even though GRE scores is not mandatory for every top university, it will still help you as neutraliser to compensate your grades and help you to stay in the cream layer in the process of screening. Mr. Ganesh also mentioned that GRE test can be mastered with ample amounts practice.
2. **Profile:** A profile of the applicant tells almost everything about him/her. A basic profile should consist of what are your long-term and short-term goals and what have you done to achieve them. It should discuss about your internships, certifications, projects, research publications, etc and, they should be in coherence with the degree you are applying for.
3. **Documentation & Application:** SOP (Statement of purpose) and (LOR) Letter of recommendation) are very important elements of the application and you admission into the aspired university. The SOP and LOR should be complementary to each other. It is also important to maintain the timeline of the applications and complete the documentation procedure in advance.

Awareness on GRE (Graduate Record Examinations) Test:

Mr. Akash D, a business development associate at CareerLabs, provided us with information regarding the GRE test's actuality. He described each section of the GRE test (namely Analytical Writing, Verbal Reasoning, and Quantitative Reasoning). Additionally, he also emphasized on the frequency at which GRE scams occur in India and how such scams may lead the students astray. Furthermore, he also discussed the available career labs' programmes for GRE preparation and profile development (for employment or master's degrees overseas).























































DBS Tech India - HR Discussion

Invite Inbox



Priyanka NANDA_A... Yesterday
to me ▾



Dear Garigabolna Revanth Sai,

Thank you for showing interest in joining DBS Tech India.

We are delighted to share that your profile has been shortlisted for one of our open role. As next steps, we would like to invite you for the discussion with our HR Managers. Our teams here are looking forward to interacting with you & also keen on sharing more details about the job at hand.

More Information on the Interview Details:

Date / Day	2 nd Nov (Wednesday)
Interview Time	9:00 AM IST
Mode Of Discussion	<p>Microsoft Teams meeting – Video Conference</p> <p>https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmZkZmRjNzYtNzY0Zi00Mjg2LTljODUzNDcxMDU4YTNmNmNl%40thread.v2/0?context=%7b%22id%22%3a%22278ad577-c008-4fc4-ad48-4467be94beb5%22%2c%22oid%22%3a%22d6b7c674-7e92-47e1-81d5-24788312f28a%22%7d</p>

































































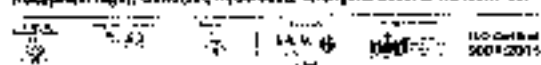






**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kowloonpally, Gandipet, Hyderabad, Telangana 500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

No. 181 /CBIT-AEC/2022

Dt: 16.11.2022

CIRCULAR

It is proposed to organize an Alumni Talks No. 07 /2022 for III, V, and VII Semester Students of B. Tech (Biotechnology) on 17.11.2022 from 2.00 to 3.00 PM as part of the CBIT Alumni Theme for 2022, The Knowledge Partners.

Ms. B. Navya, Research Associate - Mammalian Cell Culture, Upstream Process Development, Dr. Reddy's Laboratory, Hyderabad an Alumnus of CBIT, 2020 batch of Biotechnology, will deliver the talk on "Brief Overview of Cell Culture Process Development of Biosimilars".

Ms. D. Sai Harshitha, Research Associate - Downstream Process Development, Dr. Reddy's Laboratory, Hyderabad an Alumnus of CBIT, 2020 batch of Biotechnology, will deliver the talk on "Overview of Downstream Process Development of Monoclonal Antibodies".

Date: 17.11.2022

Time: 2.00 pm to 3.00 pm

Venue: M 002 (Biotech Seminar Hall)

All the above said students are directed to attend the same and the attendance will be taken by the concerned Class Teachers. I/c Head, Department of Biotechnology, is advised to instruct the concerned Faculty to take attendance of the respective students during the Session. Other interested Students and Faculty of other departments may also attend.



PRINCIPAL

To

The Head of the Department of Bio-Technology, for information & n/a.
CC: All Directors, COE, HR & PRO for information.



No. 481/CBIT-AEC/2022

Dt: 16.11.2022

CIRCULAR

It is proposed to organize an Alumni Talks No. 07/2022 for III, V, and VII Semester Students of B. Tech (Biotechnology) on 17.11.2022 from 2.00 to 3.00 PM as part of the CBIT Alumni Theme for 2022, 'The Knowledge Partners'.

Ms. B. Navya, Research Associate - Mammalian Cell Culture, Upstream Process Development, Dr. Reddy's Laboratory, Hyderabad an Alumnus of CBIT, 2020 batch of Biotechnology, will deliver the talk on "Brief Overview of Cell Culture Process Development of Biosimilars".

Ms. D. Sai Harshitha, Research Associate - Downstream Process Development, Dr. Reddy's Laboratory, Hyderabad an Alumnus of CBIT, 2020 batch of Biotechnology, will deliver the talk on "Overview of Downstream Process Development of Monoclonal Antibodies".

Date: 17.11.2022
Time: 2.00 pm to 3.00 pm
Venue: M - 002 (Biotech Seminar Hall)


All the above said students are directed to attend the same and the attendance will be taken by the concerned Class Teachers. The Head, Department of Biotechnology, is advised to instruct the concerned Faculty to take attendance of the respective students during the Session. Other interested Students and Faculty of other departments may also attend.


PRINCIPAL

To

The Head of the Department of Bio-Technology, for information & n/a
CC: All Directors, COE, HR & PRO for information.


Faculty Present

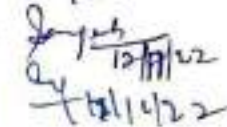
Dr. V. Aruna 
17/11/22

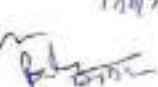
Dr. Karan Yeluppe Vajanthi 
17/11/22

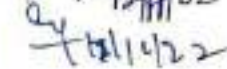
Dr. B. Sumitha 
17-11-22

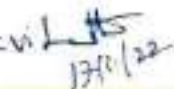
Dr. G. Vyayala 
17/11/22

Dr. Dharmalingam
K. E. 
17/11/22

Dr. SANJEEB Kumar mundal 
17/11/22

Dr. B. Nishu 
17/11/22

Dr. Cobular Reddy 
17/11/22

Dr. Madhavi 
17/11/22

B.Tech, (Biotech) - III Sem 2022, 17/11/2022

B.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Department of Biotechnology

B.Tech. (BIOTECH) - III SEMESTER

S.No	Rolls List	Name of the Candidate	Signature
1	1801-21-805-001	ALEKHYA PASUMARTHY	[Signature]
2	1801-21-805-002	AMATUL RAHMAN KHADUA	[Signature]
3	1801-21-805-003	ANANYA SURABHI	[Signature]
4	1801-21-805-004	ANSHKA GUPTA	[Signature]
5	1801-21-805-005	ASHRITA KOTTAKOTA	[Signature]
6	1801-21-805-006	BIKKUMALLA SHRUTI	[Signature]
7	1801-21-805-007	BOCHA SRIHITHA	[Signature]
8	1801-21-805-008	CAMBAMPATY AKSHITA NAIDU	[Signature]
9	1801-21-805-009	DANNE SHAMITHA	[Signature]
10	1801-21-805-010	DENDI MEGHANA	[Signature]
11	1801-21-805-011	GADDA THASITHA	[Signature]
12	1801-21-805-012	GODHA PRIYANKA	[Signature]
13	1801-21-805-013	GOLLA VASANTHI	[Signature]
14	1801-21-805-014	GOTTE GRACE HEPSIBAH	[Signature]
15	1801-21-805-015	GRANDHI MANOGNADEVI	[Signature]
16	1801-21-805-016	J KAVYASRI	[Signature]
17	1801-21-805-017	JANGALA HARI PRIYA	[Signature]
18	1801-21-805-018	JELLA RITHIKA	[Signature]
19	1801-21-805-019	KAMMARI HARSHITHA	[Signature]
20	1801-21-805-020	KANUGANTI AKHILA	[Signature]
21	1801-21-805-021	KEERTHANA NALLA	[Signature]
22	1801-21-805-022	KIRTHIKHA SHANMUGA SUNDER	[Signature]
23	1801-21-805-023	LOKAM PRANAVI SRI SAI	[Signature]
24	1801-21-805-024	MADAMANCHI LAKSHMI PRASANNA SAI	[Signature]
25	1801-21-805-025	MADIKUNTA DIVYASREE	[Signature]
26	1801-21-805-026	MADU AISHWARYA	[Signature]
27	1801-21-805-027	MAHIMA KALYANAM	[Signature]
28	1801-21-805-028	MEDSETTY RASHMI	[Signature]
29	1801-21-805-029	MUKKA JAHNAVI	[Signature]
30	1801-21-805-030	MUSKAN	[Signature]
31	1801-21-805-031	N PRASHANTHI	[Signature]
32	1801-21-805-032	NIDHI BHIDE	[Signature]
33	1801-21-805-033	PHALGUNI NADIGER	[Signature]
34	1801-21-805-034	PUNREDDY AKSHITHA	[Signature]
35	1801-21-805-036	REKHAM POJITHA	[Signature]
36	1801-21-805-037	REMALLA PRIYANKA	[Signature]
37	1801-21-805-038	ROSHINI PERUMAL	[Signature]
38	1801-21-805-039	SHREYA TATI	[Signature]
39	1801-21-805-040	THODE NEHA	[Signature]
40	1801-21-805-041	THOGARI RASHMITHA	[Signature]
41	1801-21-805-042	VAISHNAVI GANGAPURI	[Signature]
42	1801-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	[Signature]
43	1801-21-805-044	VISLAVATH SNEHA	[Signature]
44	1801-21-805-045	VUYURU HASANTHI	[Signature]
45	1801-21-805-046	YAKKANTI VAISHNAVI	[Signature]
46	1801-21-805-047	ADVAITH ROY	[Signature]
47	1801-21-805-048	DHRUV TADIKONDA	[Signature]
48	1801-21-805-049	E SAMPELLE PRAMOD KUMAR	[Signature]
49	1801-21-805-050	GILKAPALLY KOLUSHIK	[Signature]
50	1801-21-805-051	GUGULOTH BHASKAR	[Signature]
51	1801-21-805-052	GUTHIKONDA SAI PRASHANTH	[Signature]

17/11/2022

B.Tech (Biotech) - III Sem, 2022

52	1601-21-805-053	HANOK ADITYA K	VTK
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	K. S. S. S. S.
54	1601-21-805-055	KUNAM SAI SUNDER	M. R. R. R.
55	1601-21-805-056	MANIKONDA RAHUL	Rahul
56	1601-21-805-057	MOHAMMED RAHMANUDDIN	
57	1601-21-805-058	PARSHA TILAK	
58	1601-21-805-059	POLAMRAJU VENKATA KASYAP	
59	1601-21-805-060	REGOTI SAIRAM	Shiva
60	1601-21-805-061	SAVARKAR SHIVA PRASAD	
61	1601-21-805-062	SHUMAYL MOHAMMED SAMI	
62	1601-21-805-063	SYED ZUBER ALI	
63	1601-21-805-064	TOGANTI KRANTHI	

Dept. of Biotechnology

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS
Department of Biotechnology

B.Tech. (BIOTECH) - V SEMESTER

S.No	Roll No.	Name of the Candidate	Signature
1	1601-20-805-001	ADITHI REDDI KAMANA	[Signature]
2	1601-20-805-002	AISHWARYA KULKARNI	[Signature]
3	1601-20-805-003	ALWINA G	[Signature]
4	1601-20-805-005	BADAVATH MOUNKA	[Signature]
5	1601-20-805-006	BODIKA SHYNISHA	[Signature]
6	1601-20-805-007	CHAITRA GALI	[Signature]
7	1601-20-805-008	CHUNDURU SAI HARI HARA SUDHESHNA	[Signature]
8	1601-20-805-009	DIVYA PREMA SUROJU	[Signature]
9	1601-20-805-010	FOUZIA RAFATH SHAIK	[Signature]
10	1601-20-805-012	HAMSINI KATLA	[Signature]
11	1601-20-805-013	JYOTHIKA MEENAKSHI KAMBHAMPATI	[Signature]
12	1601-20-805-014	KAVYA PASIRIKA PATHIPAKA	[Signature]
13	1601-20-805-016	NAGA VENKATA SUJATHA KOLLURU	[Signature]
14	1601-20-805-017	NEHA REDDY MARAPALLI	[Signature]
15	1601-20-805-018	REENA PRAVALLIKA BALLA	[Signature]
16	1601-20-805-019	SAI LEELA SIRISHA VALLURU	[Signature]
17	1601-20-805-020	SAI SHRIYA Y	[Signature]
18	1601-20-805-021	SANJANA REDDY PAILLA	[Signature]
19	1601-20-805-022	SATHVIKA KURUVELLA	[Signature]
20	1601-20-805-023	SHARVANI POKALA	[Signature]
21	1601-20-805-024	SHIVANI REDDY KAPPATI	[Signature]
22	1601-20-805-025	SHREECHANDRA SALUKUTI	[Signature]
23	1601-20-805-026	SHREENIJA PERI	[Signature]
24	1601-20-805-027	SHREYA BANALLA	[Signature]
25	1601-20-805-028	SHRIYA REDDY PATLOLLA	[Signature]
26	1601-20-805-029	SNEHA B	[Signature]
27	1601-20-805-030	SOUBORNI NANDY	[Signature]
28	1601-20-805-031	SOUMYA MANDALA	[Signature]
29	1601-20-805-032	SPOORTHI SADA	[Signature]
30	1601-20-805-033	SRAVANI NEELAM	[Signature]
31	1601-20-805-034	SRI VARSHA VANGA	[Signature]
32	1601-20-805-035	TANMAYI BOREDA	[Signature]
33	1601-20-805-036	UMAMAH FATIMA SYEDA	[Signature]
34	1601-20-805-037	V SHREYA SHARMA	[Signature]
35	1601-20-805-038	VENNELA LAKAVATH	[Signature]
36	1601-20-805-039	AKASH GADDAM	[Signature]
37	1601-20-805-040	ALLOJU ABHISHEK	[Signature]
38	1601-20-805-041	ANIRUDDHA SREERAM BOBBILI	[Signature]
39	1601-20-805-042	ASHISH RAMAGALLA	[Signature]
40	1601-20-805-043	BADHE NITIN RATNAM	[Signature]

17/11/2022

B.Tech (Biotech) - V Sem, 2022

S.No	Roll No.	Name of the Candidate	Signature
41	1601-20-805-044	BALAJI DOOLAM	<i>Balaji</i>
42	1601-20-805-045	BHANU PRAKASH THIRUNAGARI	<i>Bhanu</i>
43	1601-20-805-046	CHENNA KESHAVA CHARAN MATTA	<i>M. Chenna</i>
44	1601-20-805-047	DINESH REDDY PATLOLLA	<i>Dinesh</i>
45	1601-20-805-048	DIVYAMSHU SURABHI	<i>Divya</i>
46	1601-20-805-049	GOURAV T	<i>Gourav</i>
47	1601-20-805-050	HARISH POLE	<i>H. Harish</i>
48	1601-20-805-051	HRITHIK KOLLURU	<i>Hrithik</i>
49	1601-20-805-052	KALLURI CHETAN BABU	<i>Chetan</i>
50	1601-20-805-053	METTU VIKKI KUMAR	<i>Vikki</i>
51	1601-20-805-054	MIHIR CHANDRA MADASU	<i>Mihir</i>
52	1601-20-805-055	RAKESH REDDY NARU	<i>Rakesh</i>
53	1601-20-805-056	SAI CHANDRA VARNA KORRAPATI	<i>Sai</i>
54	1601-20-805-057	SAI PRATHIB DIDUGU LALITHA KUMARI	<i>Prathib</i>
55	1601-20-805-058	SAMANTH CHINTHAKINDHI	<i>Samanth</i>
56	1601-20-805-059	SUMANTH RAO MAMIDI	<i>Sumanth</i>
57	1601-20-805-060	YASHASVI KAMBHAMPATI	<i>Yashasvi</i>

[Signature]
Head

Dept. of Biotechnology

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
Department of Biotechnology

B. TECH. (BIOTECH) - VII SEMESTER

S.No	Roll No.	Name of the Student	Signature
1	1601-19-805-001	AISHWARYA CVS	[Signature]
2	1601-19-805-002	AMULYA ADAVALLE	[Signature]
3	1601-19-805-003	ANUSHKA BERA	[Signature]
4	1601-19-805-004	BHAVYA T	[Signature]
5	1601-19-805-005	CHIKITHA ANDELA	[Signature]
6	1601-19-805-006	DEEKSHITHA MEGAVATH	[Signature]
7	1601-19-805-008	KAVYA DONGA	[Signature]
8	1601-19-805-009	KEERTHI JANARDHAN	[Signature]
9	1601-19-805-010	KRUSHI MUNDRI	[Signature]
10	1601-19-805-011	LAHARI MEKALA	[Signature]
11	1601-19-805-012	MAHITHA PYLA	[Signature]
12	1601-19-805-013	MANISHA REDDY GAVINI	[Signature]
13	1601-19-805-014	MARY KAREN BELLAPURLA	[Signature]
14	1601-19-805-016	NAVYA SREE DUGGI REDDY	[Signature]
15	1601-19-805-017	RAVALIKA SHEKKAR	[Signature]
16	1601-19-805-018	RISHVIKA SHRUTHI VANKADARA	[Signature]
17	1601-19-805-019	ROHINI REDDY VENKANNAGARI	[Signature]
18	1601-19-805-020	RUTHIKA RASALA	[Signature]
19	1601-19-805-021	SAI SAHITHI M	[Signature]
20	1601-19-805-022	SAMHITHA C	[Signature]
21	1601-19-805-023	SANJANA KANKIPATI	[Signature]
22	1601-19-805-024	SATYA NAGALAKSHMI MOUNIKA KAVURI V S	[Signature]
23	1601-19-805-025	SHAIK NOUSHEEN	[Signature]
24	1601-19-805-026	SHIVANI HAZARI	[Signature]
25	1601-19-805-027	SHIVANMITHA GUDIPATI	[Signature]
26	1601-19-805-029	SRAVYA KUNAPARAJU	[Signature]
27	1601-19-805-030	SRI HARSHINI KOTHAMASU	[Signature]
28	1601-19-805-031	SRUTHI REDDY SOMPURAM	[Signature]
29	1601-19-805-032	SUSHMA EUNICE REKALA	[Signature]
30	1601-19-805-033	VAISHNAVI MOKKAPATI	[Signature]
31	1601-19-805-034	VAISHNAVI PUNNA	[Signature]
32	1601-19-805-035	VAMSHI PRIYA BIRRE	[Signature]
33	1601-19-805-036	VARSHINI UPPUTERLA	[Signature]
34	1601-19-805-037	VENIYA GOLTHI	[Signature]
35	1601-19-805-038	ABDUL MUQEETH	[Signature]
36	1601-19-805-039	ABHISHEK NAIK KANSOTH	[Signature]
37	1601-19-805-040	AVINASH THAMMANABOINA	[Signature]
38	1601-19-805-041	BHANU SHANKAR DHULIPALLA	[Signature]
39	1601-19-805-042	CALEB JOEL RAJ J	[Signature]
40	1601-19-805-045	DILIP KUMAR GOLLAMONI	[Signature]
41	1601-19-805-046	JEREMIAH PAUL GORREMUCHU	[Signature]
42	1601-19-805-047	LIKHIT SAI PHANI CHOWDARY N	[Signature]
43	1601-19-805-049	MUKTANANDA KARNAM	[Signature]
44	1601-19-805-050	PRASHANTH KUMAR BALAM	[Signature]
45	1601-19-805-051	RITHWIK VARDINENI	[Signature]
46	1601-19-805-053	SAI RAM ALLUM	[Signature]
47	1601-19-805-055	SATYANARAYANA REDDY MARUDI	[Signature]

24 B Tech (Biotech) Vth Sem, 2022

17/11/2022

S.No	Roll No.	Name of the Student	Signature
48	1001 19 805 056	SUMELI CHENNA	
49	1001 19 805 057	VELRABHADRAM BANDHURI	Velra Bhadraram
50	1001 19 805 058	VENKATESH MALAVATHI	Venkatash
51	1001 19 805 059	YASIR DURAIJAN	
52	1001 19 805 060	SATHISH BATHULA	
53	1001 19 805 061	DEDEEVA ADICHEERA	

Sey 1601980602 Sai phant var. B

Dept. of Biotechnology



Sanjeebkumar Asst. Professor <sanjeebkumar_biotech@cbit.ac.in>

Fwd: Circular - Alumni Talk on 17.11.2022 - Reg.

1 message

Bio Tech HEAD <hod_biotech@cbit.ac.in>

Wed, Nov 16, 2022 at 2:52 PM

To: "Smt. S.Sumitra" <ssumitra_biotech@cbit.ac.in>, Dr G Vijayalaxmi <drgvlaxmi_biotech@cbit.ac.in>, "Dr.Kiran Y.V" <kiranyellappa_biotech@cbit.ac.in>, "Dr.C. Nagendranatha Reddy" <nagendranath_biotech@cbit.ac.in>, "Dr. C.Obul Reddy" <cobulreddy_biotech@cbit.ac.in>, "Dr.V.Aruna Assistant Professor" <varuna_biotech@cbit.ac.in>, "Dr. B. SUMITHRA" <sumithrab_biotech@cbit.ac.in>, "Dr. Dharmalingam" <dharmalingam_biotech@cbit.ac.in>, "Dr. Sanjeeb kumar .M" <sanjeebkumar_biotech@cbit.ac.in>, rajasri yadavalli <rajasriy_biotech@cbit.ac.in>, "Dr. B.Mishra" <bishwambhar_biotech@cbit.ac.in>, bebio21-22@cbit.org.in, bebiotech19-20@cbit.ac.in, biotechstudents@cbit.org.in

----- Forwarded message -----

From: **academic and exam cell** <aec@cbit.ac.in>

Date: Wed, Nov 16, 2022 at 2:40 PM

Subject: Circular - Alumni Talk on 17.11.2022 - Reg.

To: Bio Tech HEAD <hod_biotech@cbit.ac.in>, Chemical HEAD <hod_chem@cbit.ac.in>, CSE HEAD <hod_cse@cbit.ac.in>, IT HEAD <hod_it@cbit.ac.in>, ECE HEAD <hod_ece@cbit.ac.in>, EEE HEAD <hod_eee@cbit.ac.in>, Mechanical HEAD <hod_mech@cbit.ac.in>, hod_civil <hod_civil@cbit.ac.in>, Head, Physics <hod_physics@cbit.ac.in>, MATHS HEAD <hod_math@cbit.ac.in>, English <hod_english@cbit.ac.in>, Chemistry HEAD <hod_chemistry@cbit.ac.in>, SMS HEAD <hod_sms@cbit.ac.in>, MCA HEAD <hod_mca@cbit.ac.in>

Cc: Joint Director_Academics <jd_academics@cbit.ac.in>, Director-Academics <director_academics@cbit.ac.in>, Director IQAC <director_iqac@cbit.ac.in>, Student Affairs Director <director_studentaffairs@cbit.ac.in>, Director Incubation & Innovation <director_ii@cbit.ac.in>, Director CDC <director_cdc@cbit.ac.in>, Director-SP <krishnaveni_eee@cbit.ac.in>, Director-Student Progression <director_studentprogression@cbit.ac.in>, Incubation Entrepreneurship <director_incubation@cbit.ac.in>, Director R&D <director_RandD@cbit.ac.in>, Director AEC <director_aec@cbit.ac.in>, principal <Principal@cbit.ac.in>, Anne Violet CBIT-HR <hr@cbit.ac.in>, <gnrp@cbit.ac.in>, contr aec <coe@cbit.ac.in>

Dear Professors,

Please find the attached circular on Alumni Talk **"The Knowledge Partners"** to the III, V and VII Semester Students of B. Tech (Biotechnology) in particular. This is for your information and necessary action of circulation among all the faculty members and students under your control.

With Regards,

Director - AEC & CoE,

CBIT

--

Dr.Rajasri Yadavalli Pendem B.Tech., M.Tech., Ph.D

Associate Professor and In-Charge Head

Dept..of Biotechnology

Chaitanya Bharathi Institute of Technology(CBIT), Gandipet, Hyderabad

<https://www.linkedin.com/in/rajasriyadavalli/>

<https://scholar.google.co.in/citations?user=WJHOc0UAAAAJ&hl=en>

<https://orcid.org/0000-0001-5926-4308>



Alumni Talk - The Knowledge Partners.pdf

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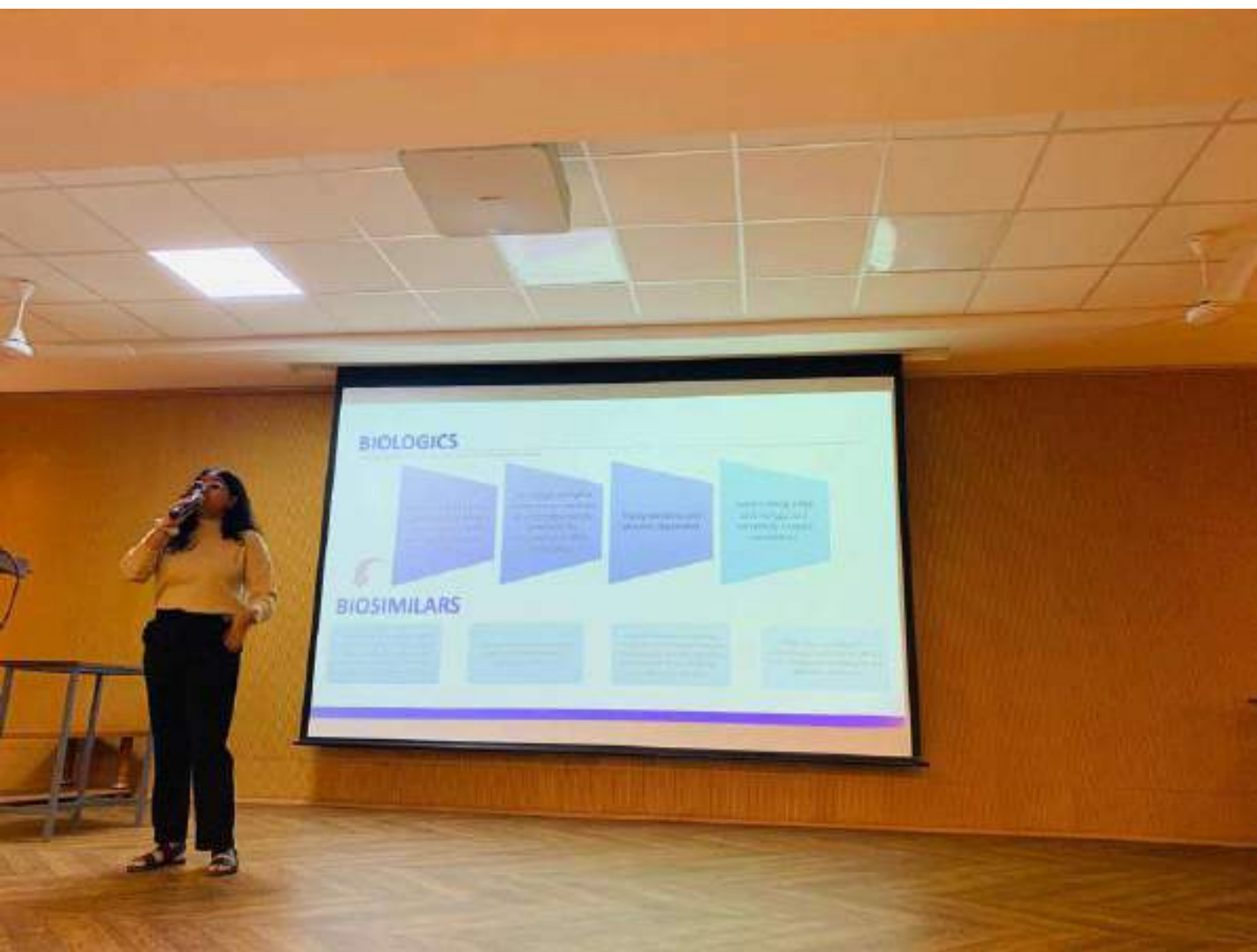




BOSMILAD

CELL CULTURE PROCESS DEVELOPMENT





BIOLOGICS



BIOSIMILARS

- 1. Similarity assessment
- 2. Quality attributes
- 3. Clinical studies
- 4. Regulatory requirements

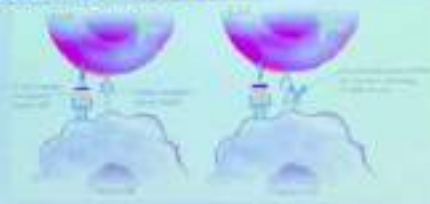


WISDOMS

CELL CULTURE PROCESS DEVELOPMENT

Dr. [Name]
[Institution]

MONOCLONAL ANTIBODIES



- 1. Production of monoclonal antibodies
- 2. Application of monoclonal antibodies
- 3. Hybridoma technology
- 4. Monoclonal antibody production







CHO CELL LINE DEVELOPMENT



- Top Gene Selection
- Subcloning/Integration of cells
- Screening/Selection





MONOCLONAL ANTIBODIES

WAD



- 1. Identification of the antigen
- 2. Immunization of the animal
- 3. Fusion of cells
- 4. Selection of the specific cell line





MAMMALIAN CELL CULTURE







CBIT/BI/749

Date: 22-11-2022

Chaitanya Bharathi Institute
of Technology

23 NOV 2022

2450

Gandipet, R.R. Dist.
HYDERABAD-500 075.

To
The Principal
CBIT

Sub: Request for permission to attend the Industrial visit to Prathista Industries & Food Corporation of India, Hyderabad-Reg.

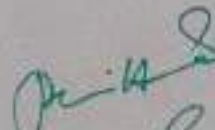
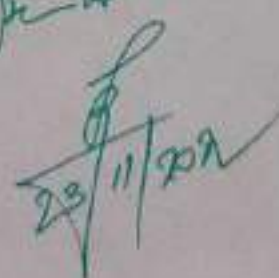
Respected Sir,

As part of Industrial visits, we have spoken with the Prathista Industries, choutuppal and Food Corporation of India, Sanath Nagar, Hyderabad, both the industries have agreed for the visit of our B.Tech, Biotechnology students.

- Vth Semester students (strength ~60) will be taken to Prathista Industries on 24th November, 2022.
- IIIrd semester students (strength ~60) will be taken to Food corporation of India (FCI) on 1st December, 2022

Hence, I request you to kindly give us permission to utilise the college bus accompanied by ~3 faculty coordinators for each visit, along with the students on both the days from 9 am to 3.30 pm.

Thanking you,



23/11/22

Yours Sincerely,


(Dr. Y. Rajasree)
I/C Head
Dept. of Biotechnology

నార్సింగ్ గురుకులంలో విద్యార్థులకు సీబిఎఫ్టీ అవగాహన




చారిత్రక
రెసిడెన్షియల్
విద్యార్థులతో
అధ్యాపకులు డాక్టర్
విజయలక్ష్మి,
లావణ్య, విద్యార్థులు

నార్సింగ్, నవంబర్ 24 (ఆంధ్రజ్యోతి): నార్సింగ్ లోని సోషల్ వెల్ఫేర్ రెసిడెన్షియల్(చారిత్రక) పాఠశాలను సీబిఎఫ్టీ అధ్యాపకులు, విద్యార్థులు గురువారం సందర్శించారు. ఈ కార్యక్రమంలో సీబిఎఫ్టీ అధ్యాపకులు డాక్టర్ విజయలక్ష్మి, లావణ్య, గీత సెమిస్టర్ విద్యార్థులు పాల్గొన్నారు. ఈ సందర్భంగా వెంసరి ఆరోగ్యం, పరిశుభ్రత అవశ్యకత అనే అంశాలపై వివరించారు. అనంతరం కళాకాల విద్యార్థులకు బహుమతులు పంపిణీ చేశారు. ఈ సందర్భంగా అధ్యాపకులు విజయలక్ష్మి, లావణ్య

మాట్లాడుతూ రుతుక్రమం నిపీర్ధంగా పరిగణించబడుతుందని, నేటికీ కొమారదళలో ఉన్న చారిత్రకం రుతుక్రమం పరిశుభ్రతపై సరిగా అవగాహన ఉండదన్నారు. తల్లులు కూడా తమ కుమార్తెలతో ఈ విషయం గురించి మాట్లాడడానికి ఇష్టపడరు, చారిత్రకం చాలా మందికి యుక్తవయస్సు, రుతుక్రమంపై శాస్త్రీయ పరిజ్ఞానం ఎంతో అవసరమని వారు తెలిపారు. ఈ కార్యక్రమంలో రీజనల్ కోఆర్డినేటర్ డాక్టర్ కారడ వెంకటేశ్, విద్యార్థులు, కోఆర్డినేటర్లు తదితరులు పాల్గొన్నారు.



 **GPS Map Camera**

Gandipet, Telangana, India

Hostel, CHAITANYA BHARATHI INSTITUTE OF
TECHNOLOGY, Kokapet, Gandipet, Telangana

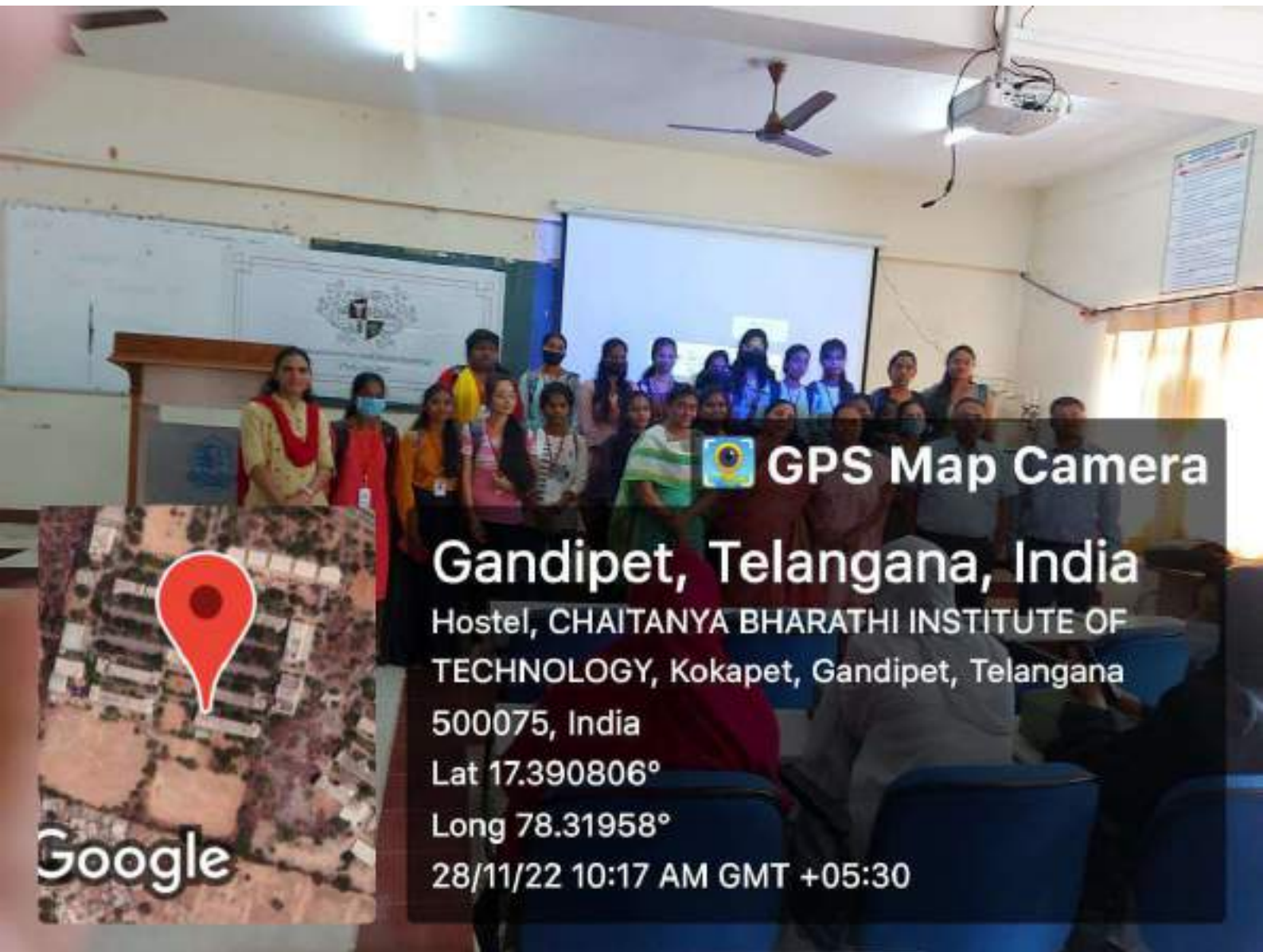
500075, India


Lat 17.390808°

Long 78.31957°

28/11/22 10:20 AM GMT +05:30

Google



 **GPS Map Camera**

Gandipet, Telangana, India

Hostel, CHAITANYA BHARATHI INSTITUTE OF
TECHNOLOGY, Kokapet, Gandipet, Telangana
500075, India

Lat 17.390806°

Long 78.31958°

28/11/22 10:17 AM GMT +05:30











vivo Y51A - gayu
Dec 02, 2022, 15:17

A REPORT ON
INDUSTRIAL VISIT TO
FOOD CORPORATION OF INDIA

(SANATH NAGAR, HYDERABAD)



The Food Corporation of India was setup under the Food Corporation Act 1964 , in order to fulfill following objectives of the Food Policy:

- Effective price support operations for safeguarding the interests of the farmers.
- Distribution of foodgrains throughout the country for public distribution system.
- Maintaining satisfactory level of operational and buffer stocks of foodgrains to ensure National Food Security

Since its inception, FCI has played a significant role in India's success in transforming the crisis management oriented food security into a stable security system. FCI has various departments controlling procurement of grains, storage, quality control, movement etc.

PROCUREMENT:

FCI procures stocks from the millers but not directly from farmers. There are several units which manufacture fortified rice from where government purchases and supplies to millers where they are mixed with non-fortified rice in appropriate proportion and then sent to FCI.

Fortified rice is artificially manufactured from rice powder. Fortified rice kernels (FRK) are produced from this mixture using an extruder machine. The kernels resemble rice grains. FRK is added to non-fortified rice in ratio ranging from 1:50 to 1: 200 (ideal is 1:100)

resulting in fortified rice nearly identical to traditional rice in aroma, taste, and texture. It is then distributed for regular consumption. Fortified rice is enriched with Vitamin A, Vitamin B1, Vitamin B12, Folic Acid, Iron and Zinc.

The procured rice is weighed, segregated and stored in gunny bags. These bags are assembled in a particular fashion in the form of stack.

STORAGE:

The Food Corporation of India has an extensive and scientific stock preservation system. The storage function assumes paramount importance in organization such as Food Corporation of India because of its requirement to hold huge inventory of foodgrains over a significant period of time.

To identify pest infestation in the bags, random samples are drawn from the bags, from all four sides of the stack in W-pattern with the help of a poker, then sieving the grains will help in identifying the pest. When more than 2 to 3 organisms are found immediately fumigation is done to curb the infestation.

Fumigation: Rice fumigation is a method of pest control that uses a phosphine (PH₃) or with low oxygen, treatment to exterminate pests in an enclosed space. The whole fumigation procedures take about ten days. After the fumigation is complete, the fumigator will have to aerate the fumigant from the structure and monitors the air for re-entering the area. The current fumigation uses Phosphine, a cost-effective method of eliminating Stored Product Insect Pests (SPIs); such as weevils, beetles, moths, and mites in commodities.

Fumigation tablets, made up of Aluminium phosphide are placed in the crevices of the stack. After 30 minutes of exposure to air the tablet starts disseminating, releasing phosphine gas which kills the pest. Tablets are put in paper and then placed inside the stack, so that post-fumigation cleaning process will be easy. Once the tablets are placed, the entire stack is sealed with a CLTF- cross laminated thermoplastic fumigation cover, which suffocates the pests and eventually kill them. Sand snakes are also placed at the corners to enhance the air-tight conditions.

Any holes or outlets found on the cover should be sealed immediately. The powder leftover after fumigation is Aluminium oxide which is inert, does not pollute the rice. There are least chances of this powder entering the gunny bags, and if it does in some cases, will get washed away when rice is washed and drained leaving the rice completely harmless.

1 fumigation tablet = 3 gms

Fumigation dosage = 9 gms per metric ton □ 3 tablets per metric ton

Before the onset of rainy season Pre-monsoon fumigation is done to all the stacks in the godown irrespective of the pest infestation to ensure safe preservation of the grains.



Fig: Post- fumigation stack

QUALITY CONTROL:

The Quality Control (QC) wing of FCI manned by qualified and trained personnel is entrusted with enormous task of procurement & preservation of foodgrains. The foodgrains are procured as per laid down Specifications of Government of India and inspected regularly during storage to monitor the quality. samples of the stocks are drawn for physical and chemical analysis to ensure whether the quality standard meets the parameters of laid down Specifications of Government of India.

A mixed indicator is used to test the quality of the grains. 5 gms of raw rice is added in the test tube containing red colored mixed indicator solution. Only freshly milled rice will produce green color on the addition of indicator. Yellow or orange color indicates the rice is recycled and not freshly milled and is sent back to miller. Freshly milled rice has bran layer which reacts with the chemical reagent and produces green or avocado green color, where as recycled rice loses bran layer and hence doesn't produce green color.

Once the rice has passed the indicator test then its moisture content is recorded using moisture meter. Rice having moisture content below 13 is only acceptable.



Fig: Mixed indicator test producing green color indicating freshly milled rice

MOVEMENT:

FCI undertakes movement of foodgrains in order to:

- Evacuate stocks from surplus regions
- Meet the requirements of deficit regions
- Create buffer stocks in deficit regions

Movement Plan is prepared on monthly basis keeping in view:

- Quantity available in surplus regions
- Quantity required by deficit regions
- Likely procurement
- Vacant storage capacity both in consuming as well as procuring regions
- Monthly allotment/ off take of foodgrains

Movement of foodgrains is undertaken by Rail, Road. Around 80% of stocks are moved by rail to different parts of the country. Inter-State movement by road is mainly undertaken in those parts of the country which are not connected by rail. The employees and labourers have to be available when ever wagon loading is scheduled as per the requirement.



Fig: Railway platform for wagon loading and unloading

CONCLUSION:

From the days when there was insufficient foodgrain to meet internal requirements to today's self-sufficiency, from the days of import of food grain to the days of maintaining buffer stocks and to the days of export of food grains, FCI has come a long way. FCI has played a vital role in providing food security to the nation and with the proposed Food Security Act, the role and the responsibilities of FCI will increase many folds. Keeping this and the ever changing scenario of food grains in mind, lot of initiatives have been taken by FCI in the recent past so as to keep itself ready in advance to face the new challenges effectively. Having learned from the experiences over the period of time, FCI is modernizing its

operations to meet these challenges. FCI and the State Government/its agencies ensure that the farmers are not compelled to sell their produce below support price.



















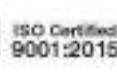






**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

Brief Report on “NEOZION-2023”

Department of Biotechnology, CBIT

Date: 31.01.2023 to 01.02.2023

Introduction

Sudhee NEOZION-2023 is a two-day national-level technical symposium where every student, mainly life science and biotechnology students across India, can showcase their knowledge and ideas via paper presentations, poster presentations, and live projects and many more. The main aim of this Annual Technical National Symposium is to provide a platform for participants to learn about the latest advances in Biotechnology besides interacting with eminent scientists. The purpose and objective of this event focuses on letting the students explore the real-time Ideas and advancements in the field of Biotechnology. Students with entrepreneurial interests and start up ideas can utilize this platform to present their innovative approach to difficult problems. This is a unique opportunity for participants to enhance their technical skills and broaden their perspectives in this exciting field.

Organizing Committee

Department of Biotechnology

Dr. Ashoutosh Panday, Professor
Dr. Yadavalli Rajasri (I/C. Head) Associate Professor
Dr. G. Vijaya Laxmi, Assistant Professor
Dr. C. Nagendranatha Reddy, Assistant Professor
Dr. K. Dharmalingam, Assistant Professor
Dr. V. Kiran Yellapa, Assistant Professor
Dr. Sanjeeb Kumar Mandal, Assistant Professor

Coordinators:

Mrs. S. Sumithra, Assistant Professor
Dr. B. Sumithra, Assistant Professor

Non-Teaching:

Dr .D. Madhavi latha
D.Mahboob Basha
S.Kavitha
Shaik Amir
B.Sekhar

NEOZION-2023
Volunteers list

S No.	Department	Designation	Name	Year
1	General Management	Chief Coordinators	Bhanu	4/4
			Veniya	4/4
			Sumeet	4/4
			Kavya	4/4
2	Paper Presentation	Organizer	Sudheshana	3/4
		Volunteer	Rahul	2/4
		Volunteer	Sairam	2/4
		Volunteer	Kaushal	2/4
3	Poster Presentation	Organizer	Shynisha	3/4
		Organizer	Alwina	3/4
		Volunteer	Keerthan	2/4
		Volunteer	Kashyap	2/4
		Volunteer	Prashant	2/4
4	Live Projects	Organizer	Sharvani	3/4
		Organizer	Samanth	3/4
		Volunteer	Zuber	2/4
5	Bio-Quiz	Organizer	Aishwarya	3/4
		Organizer	Aakash	3/4
		Volunteer	Manogna	2/4
		Volunteer	Akila	2/4
		Volunteer	Keerthana	2/4
6	Design team	Organizer	Divamshu	3/4
		Organizer	Sirisha	3/4
7	Registration	Organizer	Deekshitha	4/4
		Organizer	Charan	3/4
		Organizer	Chaitra	3/4
		Volunteer	Grace	2/4
		Volunteer	Prashanthi	2/4
8	Publicity	Organizer	Jyothika	3/4
		Organizer	Shreya Sharma	3/4
		Volunteer	Dhruv	2/4

Keynote Session

Topic: Bio electrochemical Systems: A versatile process for value addition and environmental abatement

Resource Person: Dr. Mohanakrishna Gunda, Associate Professor, KLE Technological University, Hubballi, Karnataka.

Profile: Former Marie Curie Fellow

TOP 2% World Scientist – 2021 (Stanford University)

Total Citations (Google Scholar) >4684 (Average- 73+ per publication)

Few Areas of Research Experience:

1. Bio electrochemical Systems (BES)

➤ Microbial electrosynthesis (MES) for CO₂ capture and conversion to biofuels or value-added products

➤ Microbial electrolysis cells (MECs) for energy generation from bioremediation

➤ Microbial Fuel Cells (MFCs) for bioelectricity generation

➤ Bio electrochemical treatment (BET)/Microbial electro remediation of industrial wastewaters

➤ Plant based and sediment type MFCs to harness energy from rhizo-deposits

2. Biohydrogen Production

➤ Dark and Photo fermentations for the treatment of waste organics

➤ Bio-augmentation strategies to H₂ production

Scope covered:

- *What is Microbial Fuel Cell*
- *Ideas and advancements in the Bio electrochemical treatment techniques*
- *Pros and Cons of Single-chamber, Dual-chamber and Hybrid MFC*

Outcome:

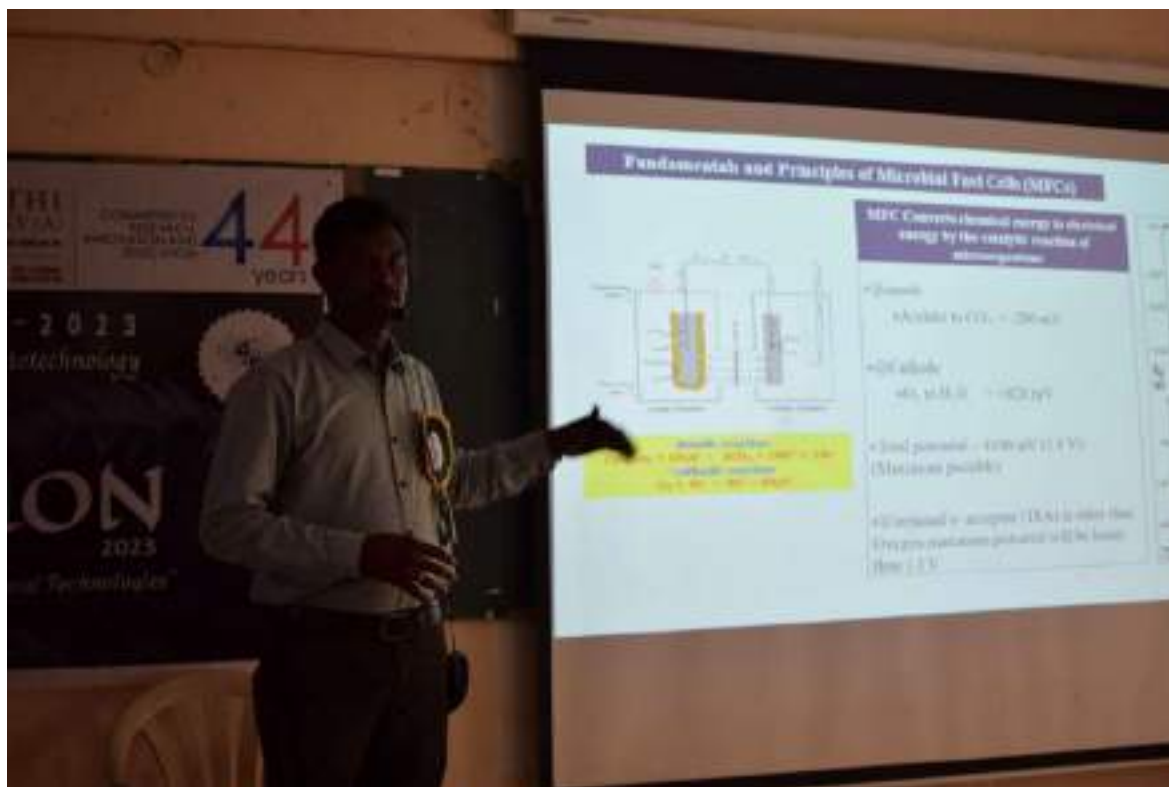
- *Students understood the definition of Microbial Fuel Cell and latest innovation in the field*
- *Students had exposed the real-time Ideas and advancements in Bio-electrochemical treatment techniques that are cost-effective*
- *Students understood different strategies for treatment of waste integrated with high-voltage generation*

Number of students and faculty attended:

Students: 80; Faculty: 11

Photographs:





Event Details

EVENT-1

Paper Presentation

Theme of the activity: Innovation trends in Biotechnology

Scope covered:

Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology, Bioprocess Technology, Bioinformatics, Biomedical Engineering, Pharmaceutical Biotechnology

Outcome:

- *Students understand the need and apply knowledge of Biotechnology to solve problems in the areas of Medicine, Agriculture, Fermentation technology, Food processing and Environment, and develop entrepreneurial ideas.*
- *Ability to present their project work through written, oral, and visual presentations.*
- *Exhibit an ability to work independently and collaboratively.*

Number of students and faculty attended:

Students: 70 ; Faculties: 11

Winners list for Paper presentation:

Committee members

1. Dr. Mohanakrishna Gunda, Associate Professor, KLE Technological University, Hubballi, Karnataka.
2. Dr. Ashutosh Panday, Professor, Department of Biotechnology, CBIT
3. Dr. G. Vijaya Laxmi, Assistant Professor, Department of Biotechnology, CBIT

1st prize given for “**STIMULI RESPONSIVE HYDROGELS FOR VARIOUS APPLICATIONS**” – **Research**

Presented by

1. Aishwarya CVS
2. Vaishnavi Mokkalpati
3. Abhishek Naik

College: CBIT

Abstract Id: PP-BT-06

2nd prize given for “**ANIMAL BIOTECHNOLOGY-APPLICATIONS & THE LINE BETWEEN EXPLOITATION AND ETHICS**”- **Review**

Presented by

1. VARAS RAMA KRISHNA.DUGGU

College: Babu Jag Jeevan Ram Government Degree College, Nampally

Abstract Id: PP-BT-01

Appreciation Certificate given for “**UNDERSTANDING CACHEXIA**”- **Review**

Presented by

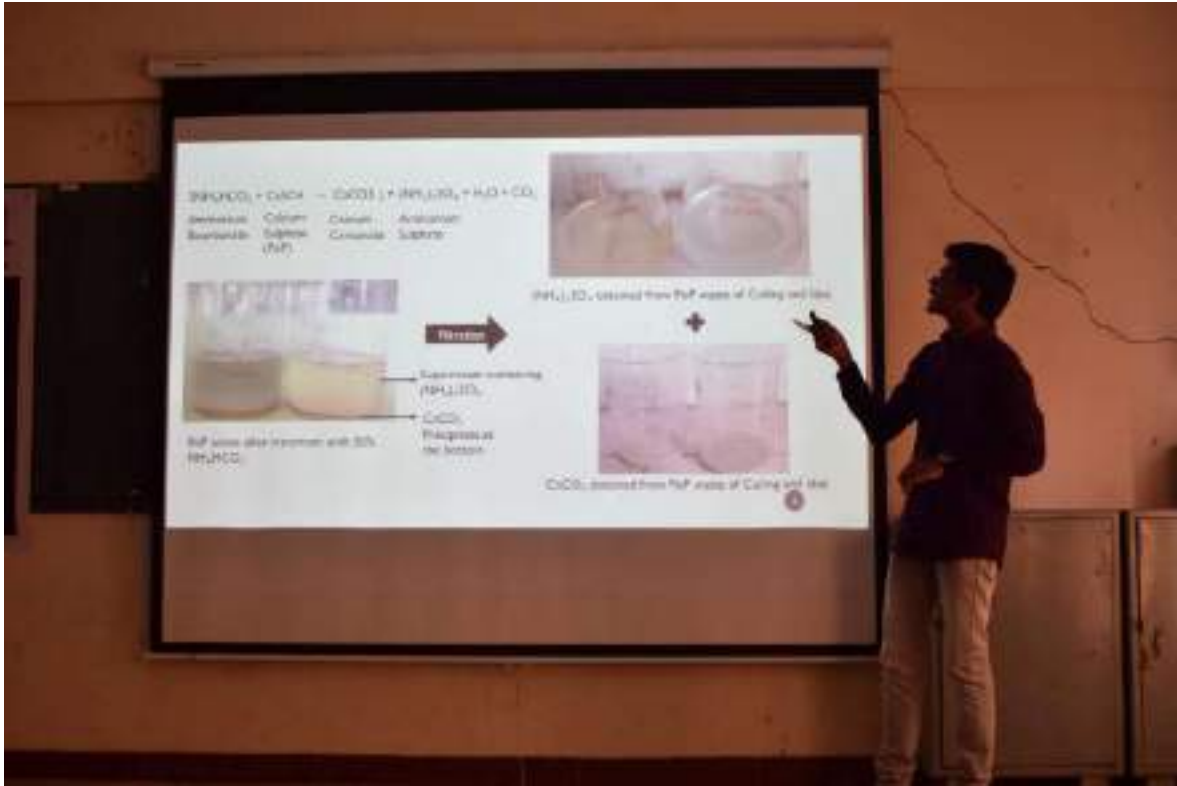
1. V Shreya Sharma
2. Souborni Nandy
3. Jyotika Meenakshi Kambhampati

College: CBIT

Abstract Id: PP-BT-04

Photographs:





EVENT-2

Poster Presentation

Theme of the activity: Innovation trends in Biotechnology

Scope covered: Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology, Bioprocess Technology, Bioinformatics, Biomedical Engineering, Pharmaceutical Biotechnology

Outcome:

- Students could apply the Biotechnology concepts to solve problems in the Agriculture, Fermentation technology, Food processing and Environment, and develop entrepreneurial ideas.
- Students got the chance to present their project work through pictorial presentations.
- Exhibit an ability to work independently and collaboratively.
- Get an exposure in current scientific literature pertaining to Biotechnology

Number of students and faculty attended:

Students: 12; Faculties: 4

Winners list for Poster presentation:

Committee members

1. DR. M. Anjaneyulu, Assistant professor, Department of Biotechnology, JNTU Hyderabad
2. Dr. C. Obula Reddy, Assistant Professor, Department of Biotechnology, CBIT
3. Dr.K. Dharmalingam, Assistant Professor, Department of Biotechnology, CBIT

1st prize given for **“MOLECULAR DOCKING STUDIES ON ANTI-FUNGAL ACTIVITY OF METABOLITES FROM MARINE ALGAE AGAINST MUCORMYCOSIS” – Research**

Presented by

1. Chundururu Sai Hari Hara Sudheshna
2. Matta Chenna Keshava Charan

College: CBIT

Abstract Id: PO-BT-01

2nd prize given for **“RECENT DEVELOPMENTS IN THE TECHNOLOGY OF BIODEGRADABLE FOOD PACKAGING”- Review**

Presented by

1. Konda Tanvi
2. Chitti Shirisha
3. Gundeti Rajesh

College: Bhavan's Vivekananda College of Science Humanities and Commerce

Abstract Id: PO-BT-03

Appreciation Certificate given for **“ENVIRONMENTAL AND ECONOMIC FEASIBILITY OF MUNICIPAL SOLID WASTE THROUGH THERMAL TREATMENT”- Review**

Presented by

1. Madikunta Divya Sree
2. Vempati Vaidehi Pravallika

College: CBIT

Abstract Id: PO-BT-02

Photographs:







EVENT-3

Live Projects

Theme of the activity: Application, Innovation, and Product development in Biotechnology

Scope covered: Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology, Bioprocess Technology, Bioinformatics, Biomedical Engineering, Pharmaceutical Biotechnology

Outcome:

- Demonstrate proficiency in basic laboratory skills like preparation of solutions and culture media, handling of equipment, portable microscope
- Perform, and analyze results of experiments using basic laboratory techniques in molecular biology

Number of students and faculty attended:

Students: 18; Faculties: 6

Winners list for Live Project:

Committee members

1. Dr. Anjaneyulu, Assistant Professor, Department of Biotechnology, JNTUH
2. Dr. B. Sumithra, Assistant Professor, Department of Biotechnology, CBIT
3. Dr. Sanjeeb Kumar Mandal, Assistant Professor, Department of Biotechnology, CBIT

1st prize given for **“DIRECT ORGANOGENESIS FROM THE LEAF EXPLANT OF BACOPA MONNIERI–A MEDICINAL PLANT”**

Presented by

1. V. Shreya sharma
2. Chaitra Gali
3. Balaji Doolam

College: CBIT

Abstract Id: LP-BT-05

1st prize given for **“DEMONSTRATION OF THE FLEXIBLE NATURE OF CARBOPOL-940 BASED HYDROGEL FILMS”**

Presented by

1. Samhita Cheruku
2. M. Sai Sahithi

College: CBIT

Abstract Id: LP-BT-06

Appreciation Certificate given for **“OPTIMIZATION OF CARBOXYMETHYL CELLULOSE BASED HYDROGEL FOR EFFECTIVE DYE REMOVAL”**

Presented by

1. Chenna Sumeet
2. Shivani Hazari

College: CBIT

Abstract Id: LP-BT-01

Appreciation Certificate given for **“PORTABLE MICROSCOPE FROM E-WASTE”**

Presented by

1. S. Shiva Prasad
2. P.V. Kashyap

College: CBIT

Abstract Id: LP-BT-09

Photographs:





EVENT-4

Bio-Quiz

Theme of the activity: Application and Innovation in Biotechnology

Scope covered: Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology, Bioprocess Technology, Bioinformatics, Biomedical Engineering, Pharmaceutical Biotechnology

Outcome:

- *Since questions are based out-of-syllabus and require critical thinking and extensive research, students get into the habit of innovative learning from an early age*
- *Students need to form teams while participating in quizzes, giving them an opportunity to hone their teamwork skills*
- *Gain knowledge, seek opportunities to excel beyond academics and secure their future*

Number of students and faculty attended:

Students: 15; Faculties: 3

Winners list for Bio-Quiz :

Committee members

1. Mrs. S Sumithra, Assistant Professor Department of Biotechnology.

1st prize: Team Six

V Sneha
J Haripriya
Muskan

College: CBIT

Runners: Team Bg

Prathibh
Harish
Yashasvi

College: CBIT

Photographs:



Participants

A total of 48 participants have been actively involved in the events, out of which 22 abstracts for papers, 12 abstracts for posters, and 18 abstracts for live projects have been accepted.

Students from various institutes like Babu Jagjeevan Ram Degree College, Bhavan's Vivekananda College of Science, Humanities, and Commerce, Telangana, have actively participated in paper and poster presentations. Out of the 11 abstracts that were submitted, 22 participants have signed up to present papers. Twelve people have signed up for the poster presentation session, and six posters have been displayed. For the nine live projects that have been received, a total of 18 students have participated. More than four teams have taken part in the Bio-Quiz, and they did so with great enthusiasm.

Participants Feedback

Duggu Varas Rama Krishna: One of the participants from Babu Jagjeevan Ram Degree College provided the following feedback:

I learned so much about the latest advancements and cutting-edge research in the field, and was able to network with experts and like-minded professionals. Interactive sessions provided a unique and engaging learning experience that I will not soon forget. Although it was my first time visiting this college, it felt as if this was my college, as the students here created a friendly environment for me. I appreciate how enlightening this experience was.

Abdul Muqeeth of B-Tech Biotechnology, CBIT provided the following feedback:

I just wanted to take a moment to express my gratitude for the opportunity to attend the recent technical event. As a participant, I was thoroughly impressed by the level of organization and the quality of the presentations and sessions.

I would like to thank the organizers for putting together such a fantastic event, and for providing an environment that fostered learning, growth, and collaboration. I am already looking forward to the next event and the continued growth of the community. Thank you for such a memorable and educational experience.

Sponsors and Partners

None

Conclusion

In conclusion, the technical event was a resounding success, providing valuable insights and opportunities for learning to all participants. Through a combination of expert presentations, interactive sessions, and hands-on demonstrations, attendees had the chance to expand their knowledge and deepen their understanding of cutting-edge research in the field.

Participants learned about a wide range of topics, from the latest advancements in technology to innovative approaches to problem-solving. The diversity of perspectives and backgrounds among the speakers and attendees added to the richness of the experience, fostering an environment of collaboration and cross-disciplinary learning.

It is evident that the participants left the event with a newfound appreciation for the complexity and excitement of research in their field, and with a wealth of new ideas and approaches to explore. We believe that the knowledge and skills acquired at this event will be invaluable in their future endeavors and will continue to drive progress in the field for years to come.

Annexures

Registration Details

S. n o.	Event Name	Registration Fee (Rs.)	No of Online Registrations	Online Registrations Amount (Rs.)	No of Spot Registrations	Spot Registrations Amount (Rs.)	Total Number of Registrations	Total Amount (Rs)
1	Paper presentation (Online)	400 + 200	5+17	2000+3400 =5400	Nil	NA	22	5400
2	Poster presentation (Online)	400+ 200	3 + 10	1200+2000 =3200	Nil	NA	13	3200
3	Live projects (Online)	400+ 200	0+18	0+3600	Nil	NA	18	3600
4	Delegates(Spot)	400+ 200	Nil	NA	0+5	2000	5	2000
5	Bio-quiz(Spot)	50	Nil	NA	7	350	7	350
6	Bio-debate(Spot)	50	Nil	NA	Nil	NA	NA	NA
7.	Non-Technical Events (Spot)	20	Nil	NA	98	1960	98	1960
	Total no of Online Registration = 53			12,200	Total no of spot registration = 110	4,310	163	16,510
	Total (Rs.) = 16,510							
Total Amount Received					Sixteen thousand, four hundred and ten rupees (Rs. 16,510)			

DEPARTMENT OF BIOTECHNOLOGY'S



NEOZION
2023

PAPER PRESENTATION



**AT
M-BLOCK**

For more information,
contact:
Sudheshna - 9014378300
Rahul - 6281671517
Sairam - 7780384299



**31st January
1st February**

**SPOT
REGISTRATIONS
ALSO
AVAILABLE!**

**SELECTED ABSTRACTS WILL BE AWARDED WITH THEIR
VERY OWN ISBN NUMBERS**

DEPARTMENT OF BIOTECHNOLOGY



POSTER
PRESENTATION



JAN 31st-
FEB 1st
M-BLOCK



Contact details:
Shynisha - 9542194165
Alwina - 7396387527

DEPARTMENT OF BIOTECHNOLOGY



presents

LIVE PROJECT

JAN 31st-FEB 1st

M-BLOCK

CONTACT DETAILS:

SHARVANI - 8341510190

SAMANTH - 9652553226

ZUBER - 9121258800



DEPARTMENT OF BIOTECHNOLOGY



*Quiz
Time!*



**Spot
Registration
Also
Available!**



Register Here

M-BLOCK

30 Jan to 01 Feb

Contact details

Aishwarya- 767108663

Akash-6302073267

Manogna-9502545583



Sanjeebkumar Asst. Professor <sanjeebkumar_biotech@cbit.ac.in>

Fwd: Invitation to deliver a key note session at NEOZION-2023

1 message

Dr. S.Sumitra Assistant Professor <ssumitra_biotech@cbit.ac.in>
To: Sanjeeb Kumar Mandal <sanjeebkumar_biotech@cbit.ac.in>

Wed, Feb 7, 2024 at 2:49 PM

PFA

----- Forwarded message -----

From: **Bio Tech HEAD** <hod_biotech@cbit.ac.in>
Date: Tue, Jan 24, 2023 at 4:32 PM
Subject: Fwd: Invitation to deliver a key note session at NEOZION-2023
To: Smt. S. Sumitra <ssumitra_biotech@cbit.ac.in>

Sent from [Outlook for Android](#)

From: Mohanakrishna <gmohanak@yahoo.com>
Sent: Monday, January 23, 2023 7:36:25 PM
To: gmohanak@gmail.com <gmohanak@gmail.com>; Bio Tech HEAD <hod_biotech@cbit.ac.in>
Subject: Re: Invitation to deliver a key note session at NEOZION-2023

Dear Madam,

Greetings and thanks for the invitation for technical symposium. I am herewith accepting your invitation. Please update me schedule of the symposium, if it finalized.

Best Regards
Mohanakrishna

Mohanakrishna Gunda M.Sc, Ph.D**Associate Professor**

"Marie Curie Fellow" AND "Top 2% World Scientist (Stanford University)"

School of Advanced Sciences
KLE Technological University
Hubli - 580031
India
e-mail: gmohanak@yahoo.com; gmohanak@gmail.com

[GM@GoogleScholar](#)
[GM@ResearchGate](#)
[GM@LinkedIn](#)

On Friday, January 20, 2023 at 03:38:20 PM GMT+5:30, Bio Tech HEAD <hod_biotech@cbit.ac.in> wrote:

Dear Mohankrishna sir,

I hereby take this opportunity to invite you for a guest lecture in Sudhee 2023 Technical fest being organised by students.

Please find the attachment

Thank you

--

Dr.Rajasri Yadavalli Pendem B.Tech., M.Tech., Ph.D
Associate Professor and In-Charge Head
Dept..of Biotechnology
Chaitanya Bharathi Institute of Technology(CBIT), Gandipet, Hyderabad
<https://www.linkedin.com/in/rajasriyadavalli/>
<https://scholar.google.co.in/citations?user=WJHOc0UAAAAJ&hl=en>
<https://orcid.org/0000-0001-5926-4308>

--

Dr. S. Sumithra, Ph.D., M. Tech. (Biotechnology /Biochemical Engineering)
Assistant Professor and Faculty Placement Co-Ordinator (FPC),
Department of Biotechnology,
Chaitanya Bharathi Institute of Technology (CBIT) [Autonomous Institute]
Email id: sumithra.chem@gmail.com (Personal)
ssumitra_biotech@cbit.ac.in (Official)
Mobile no: +91-9963710844
<https://cbit.irins.org/profile/271773>








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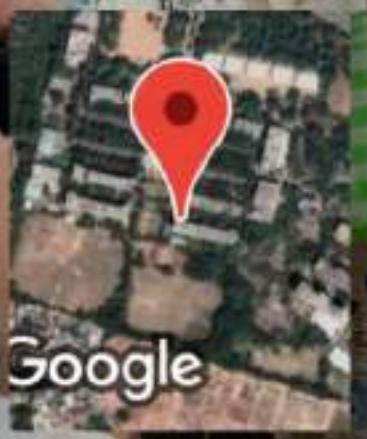
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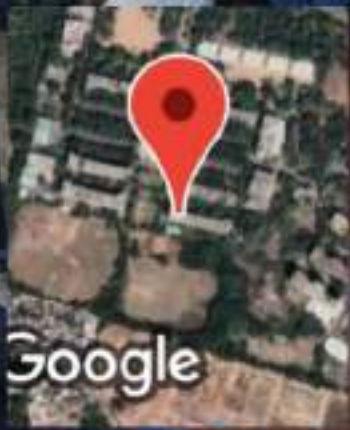
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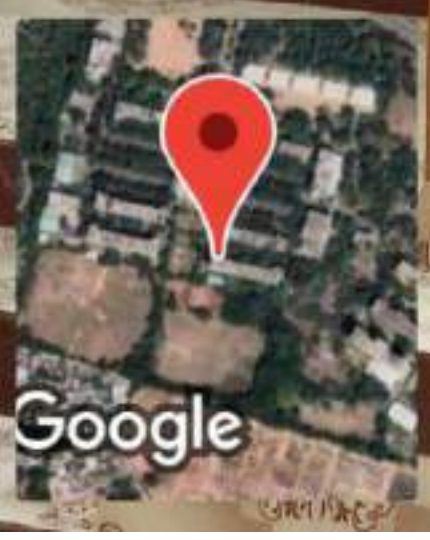
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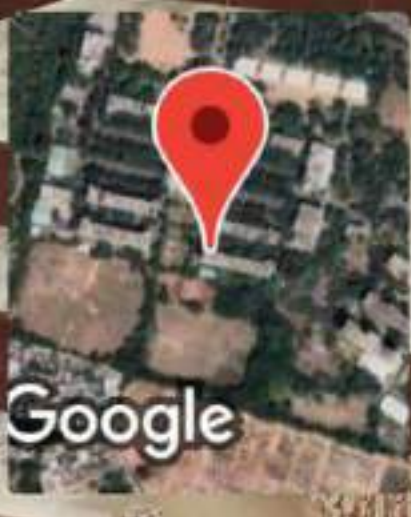
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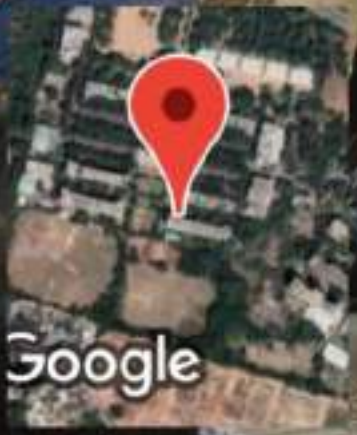
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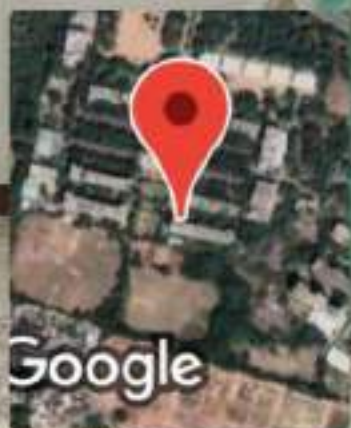
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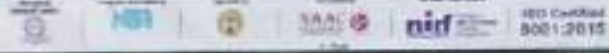
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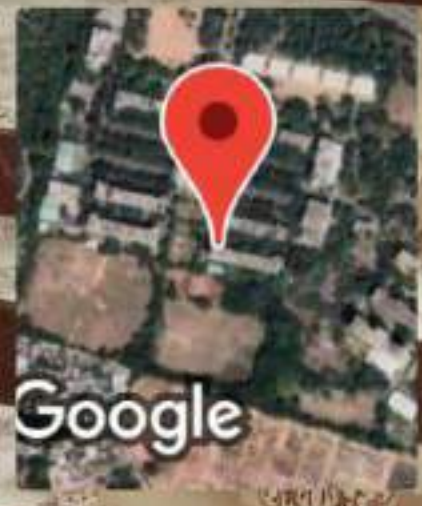
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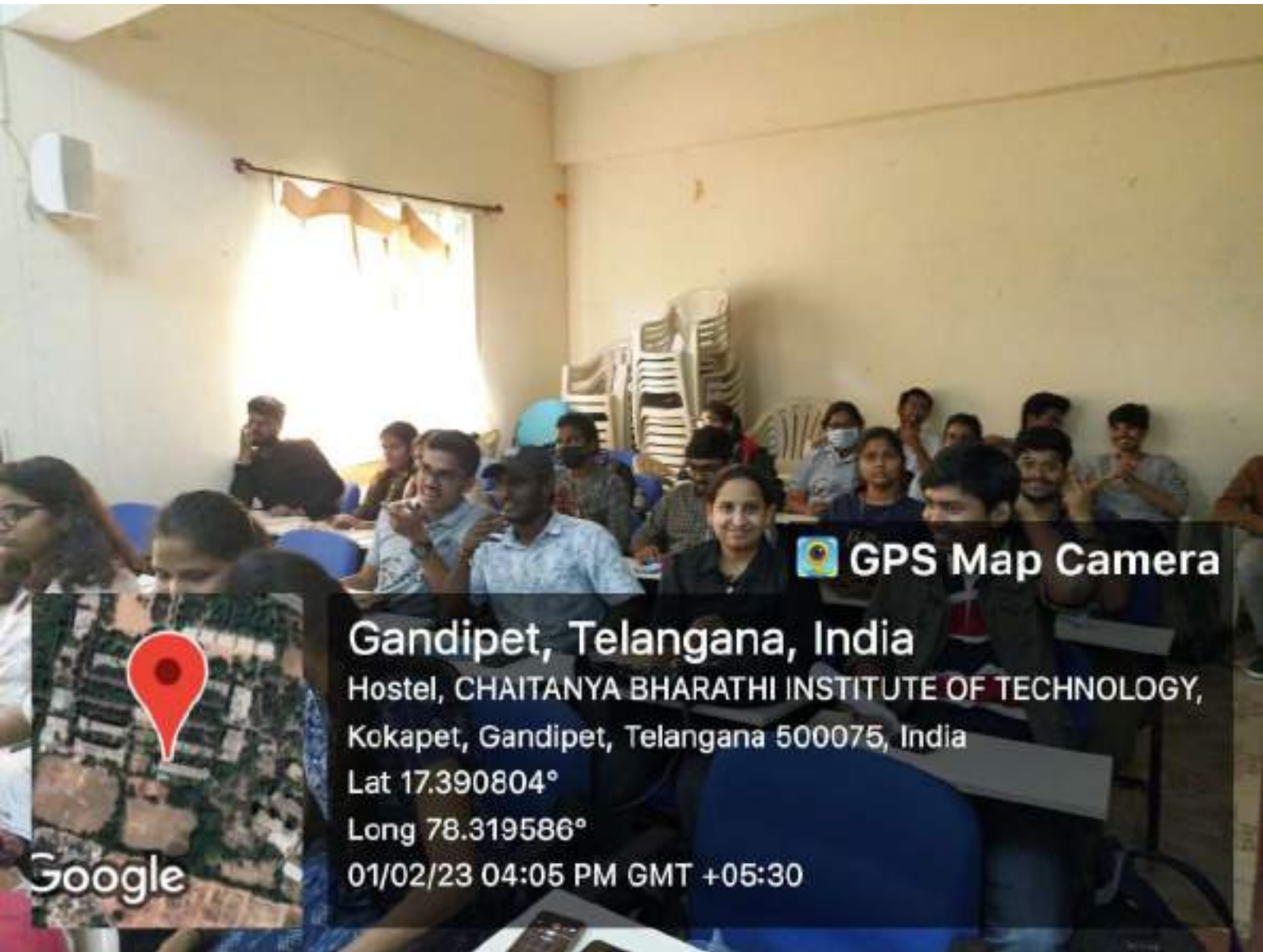
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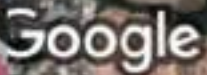
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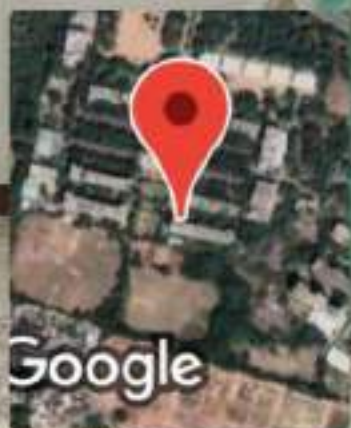
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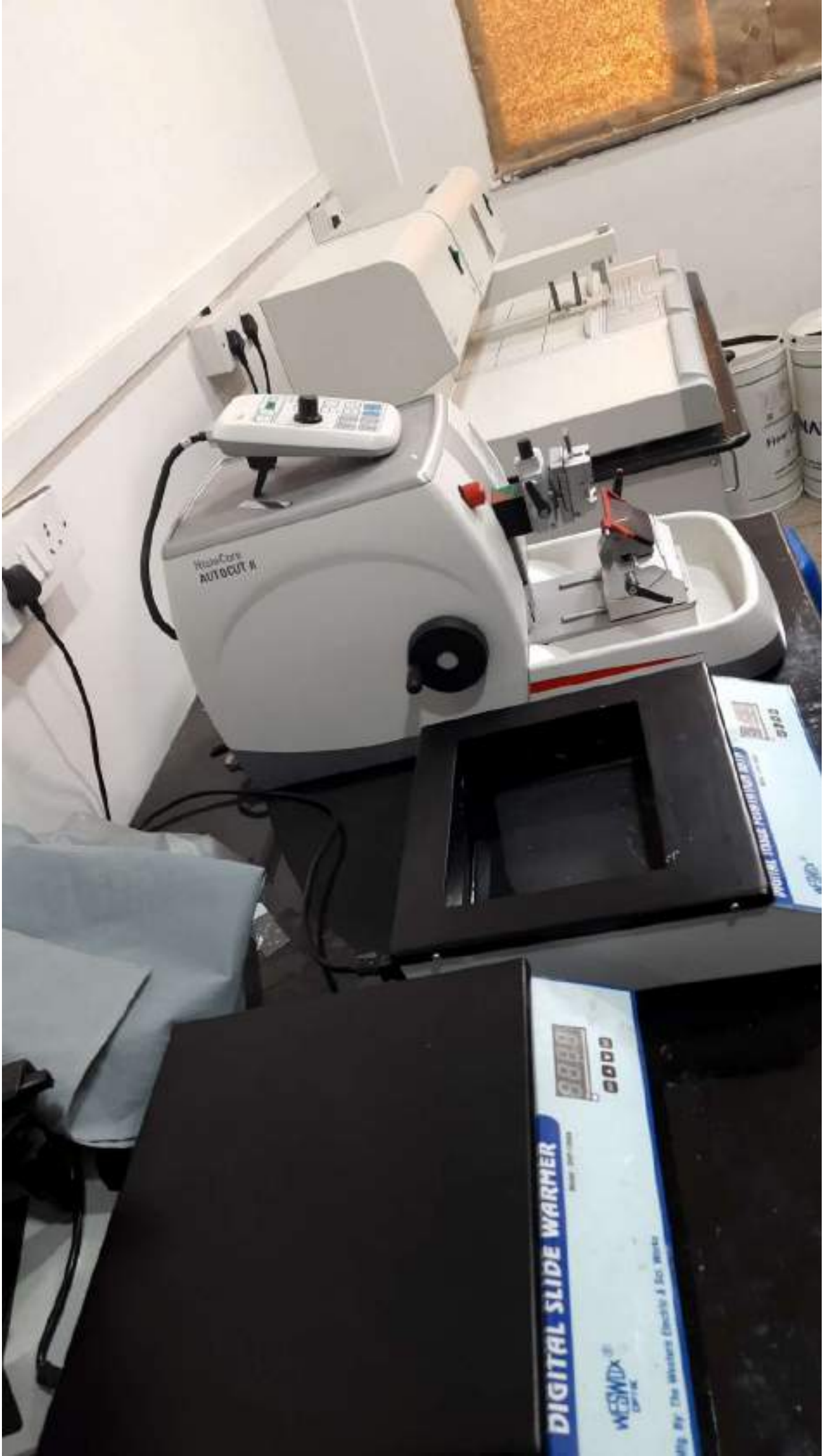






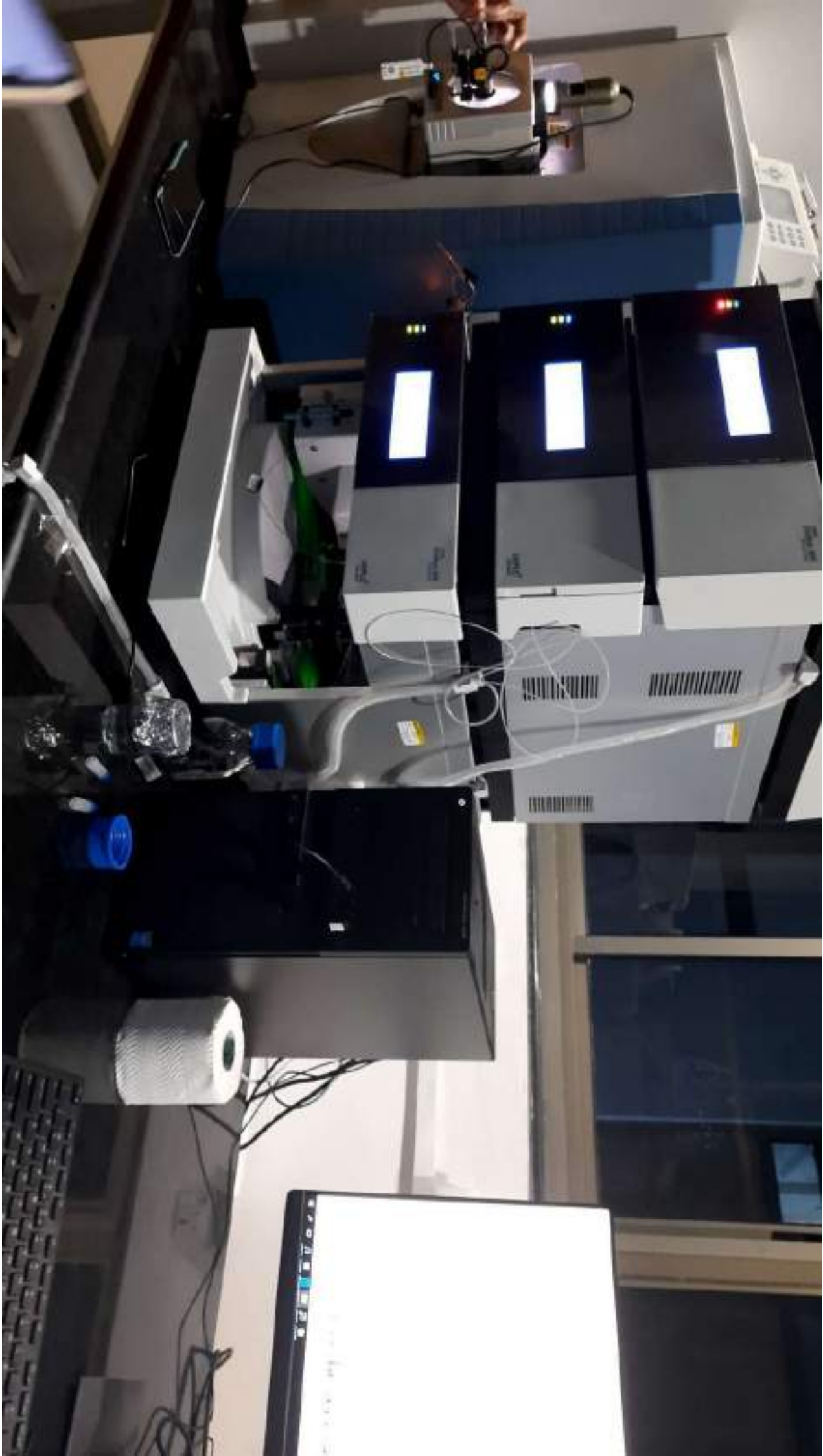






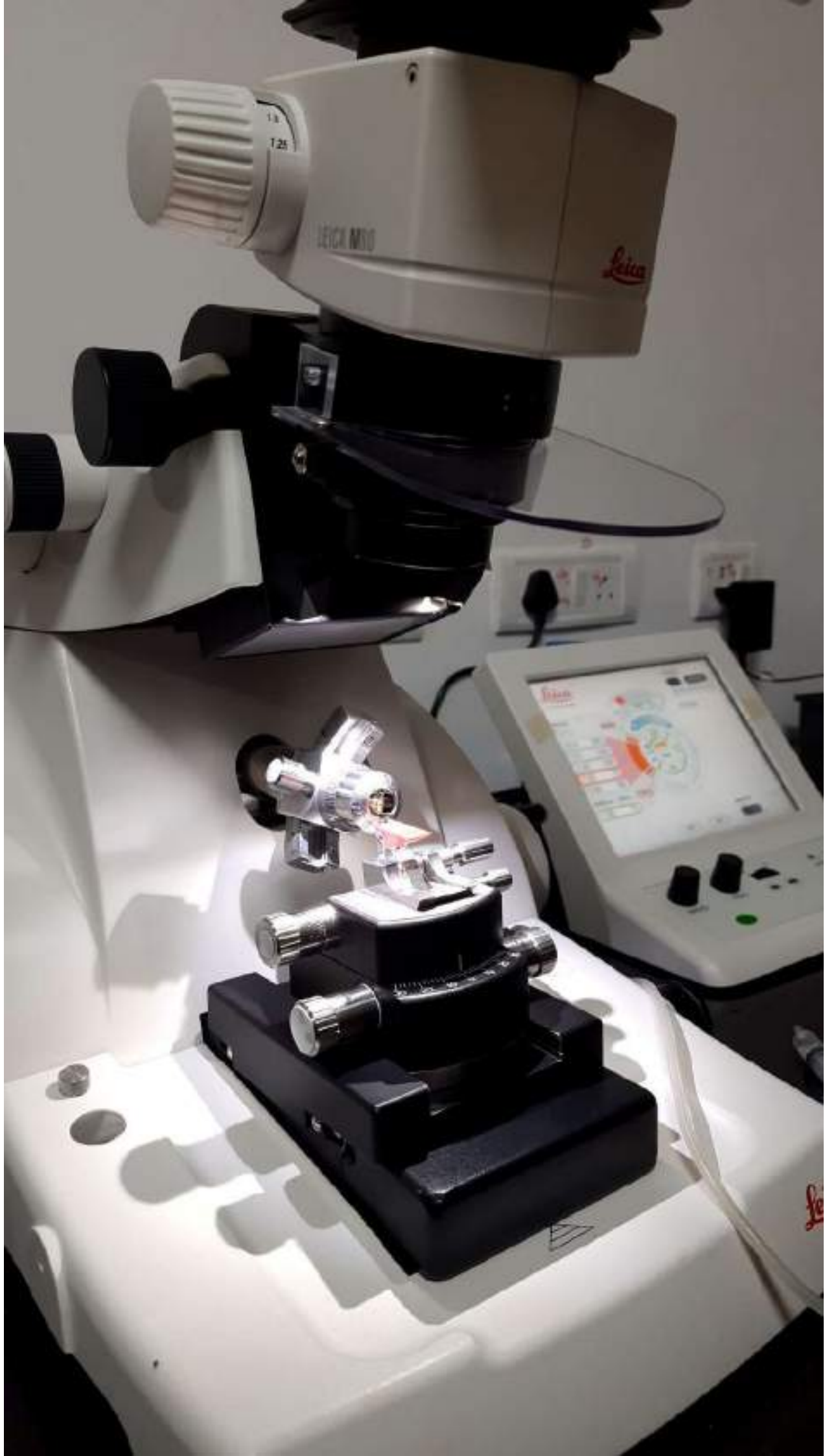


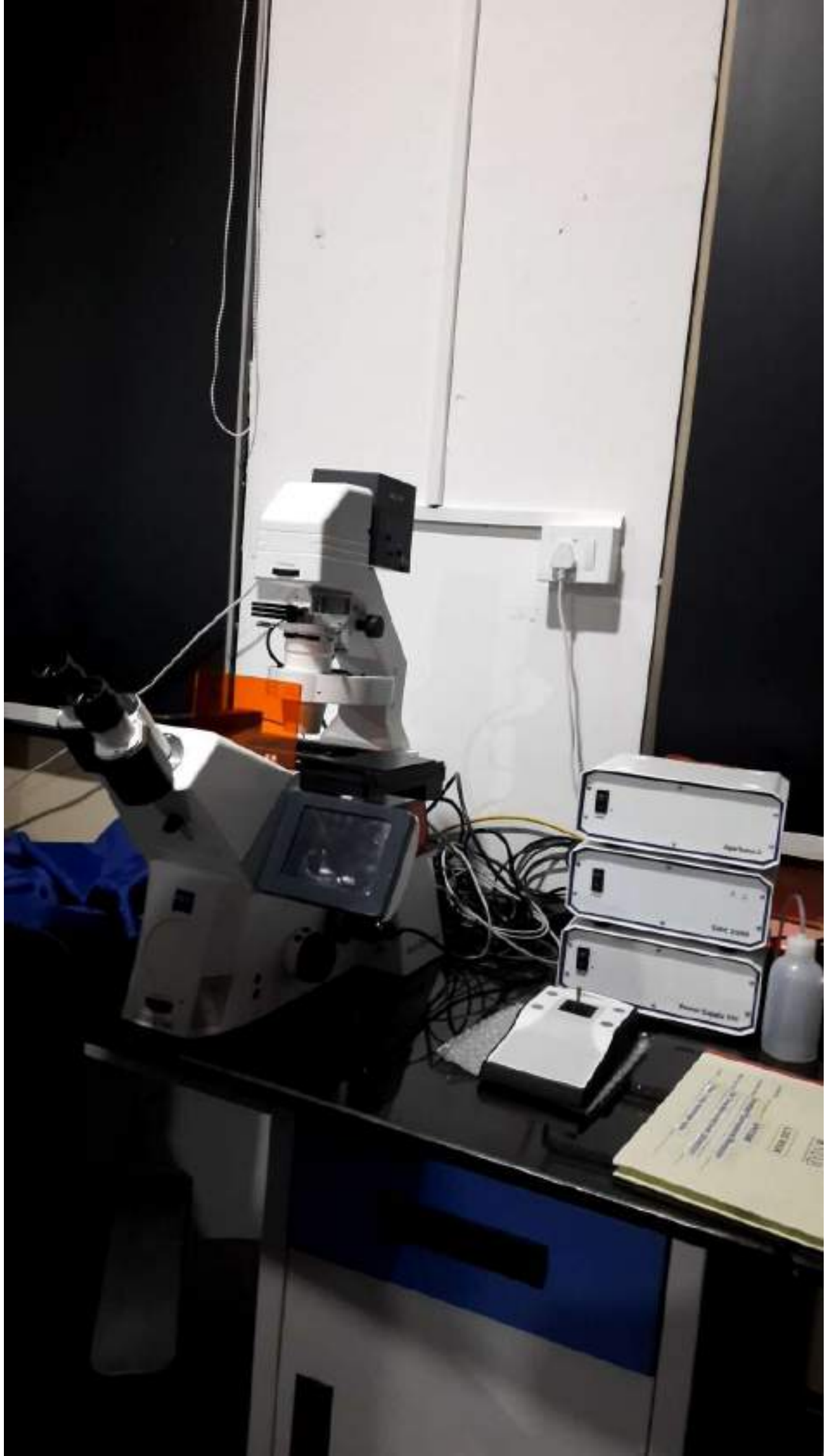








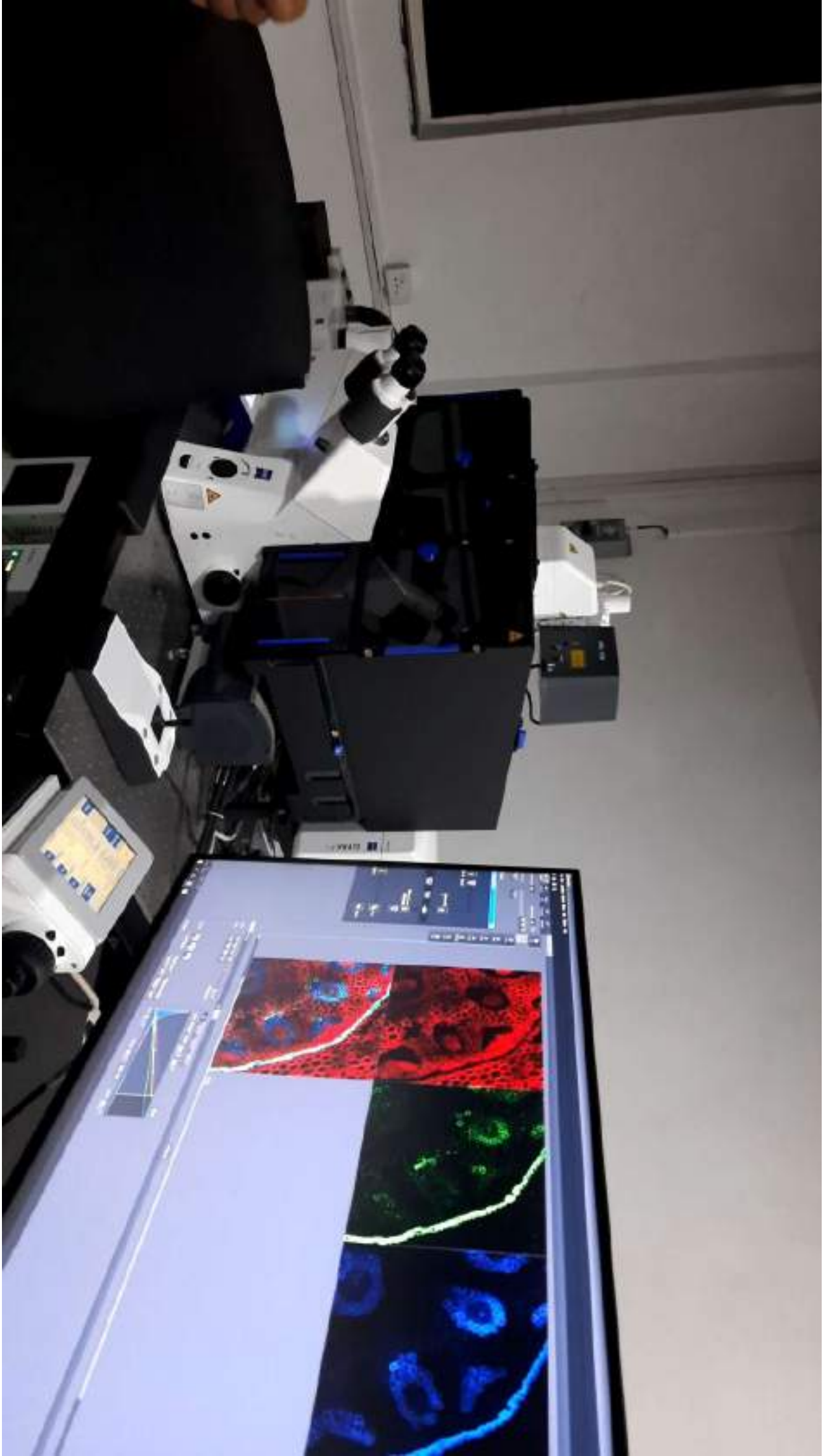


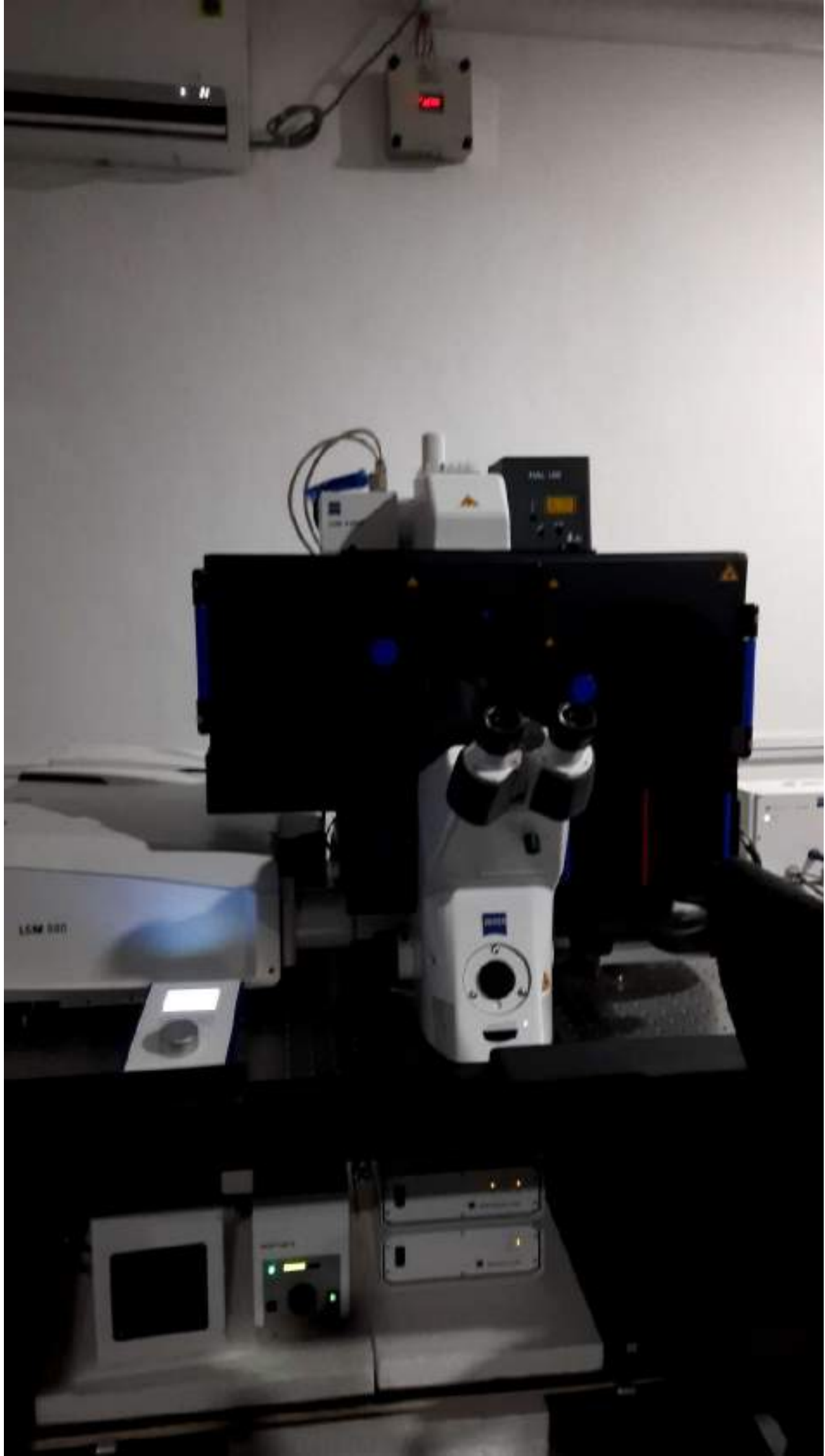


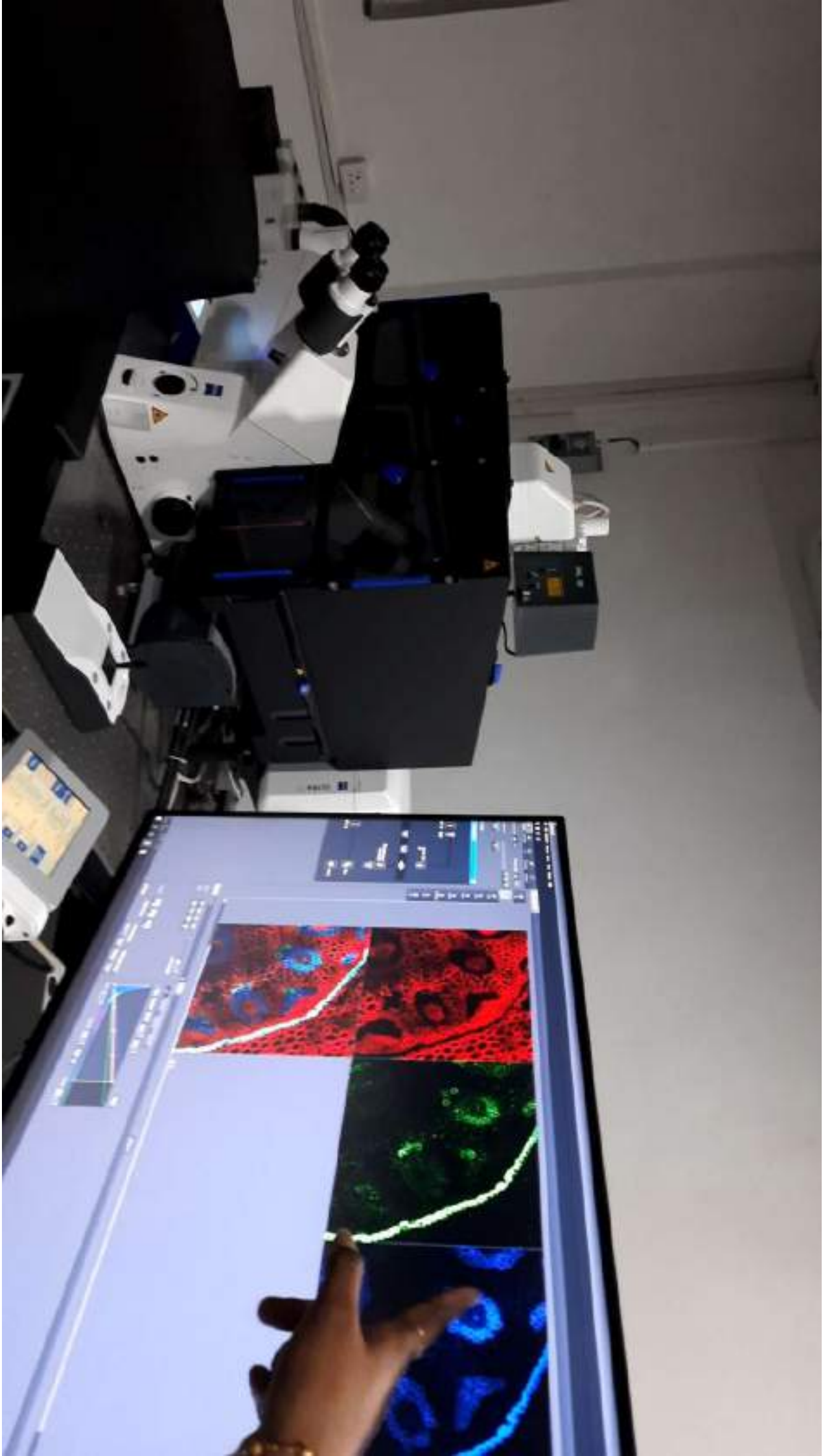


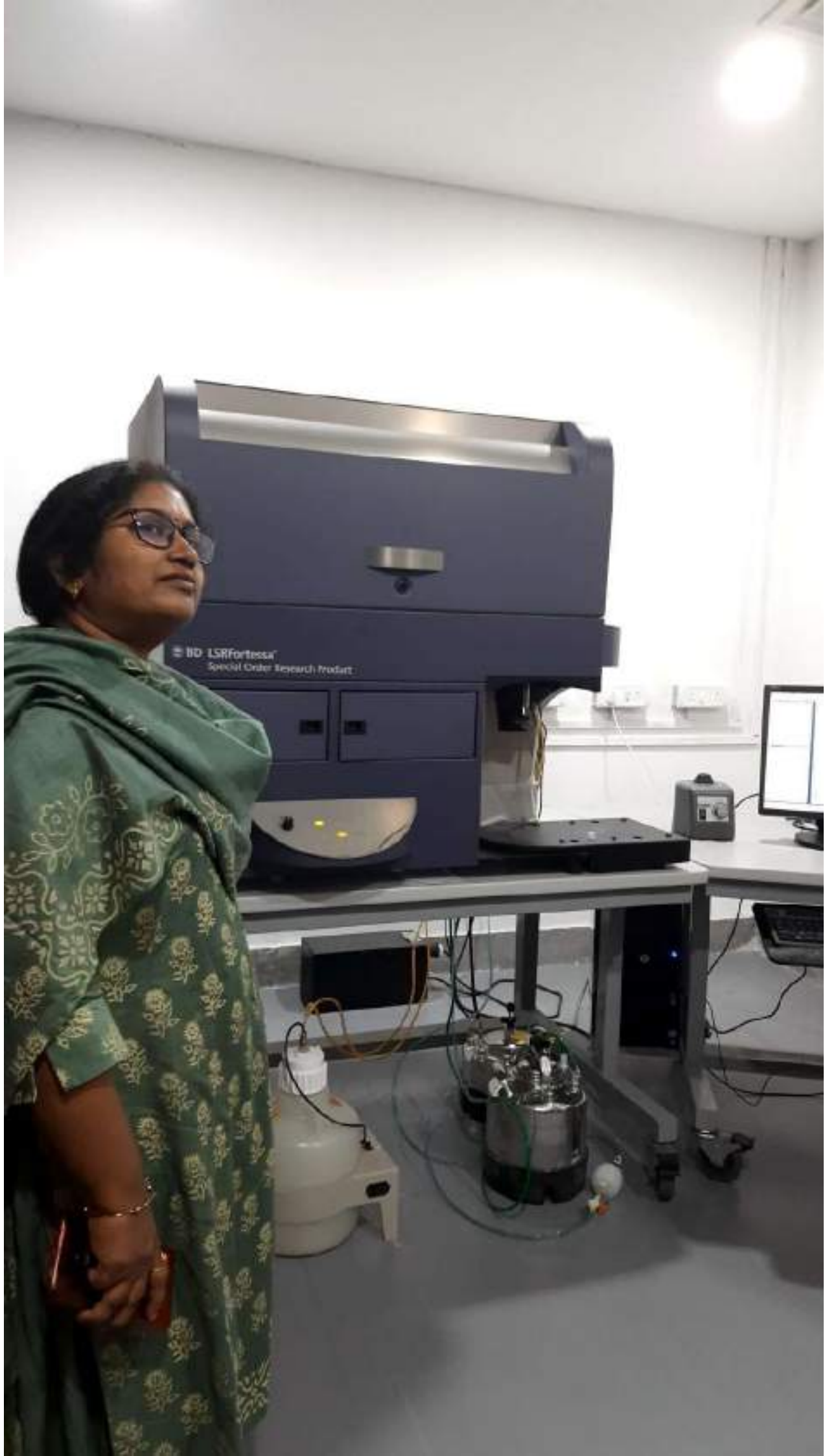


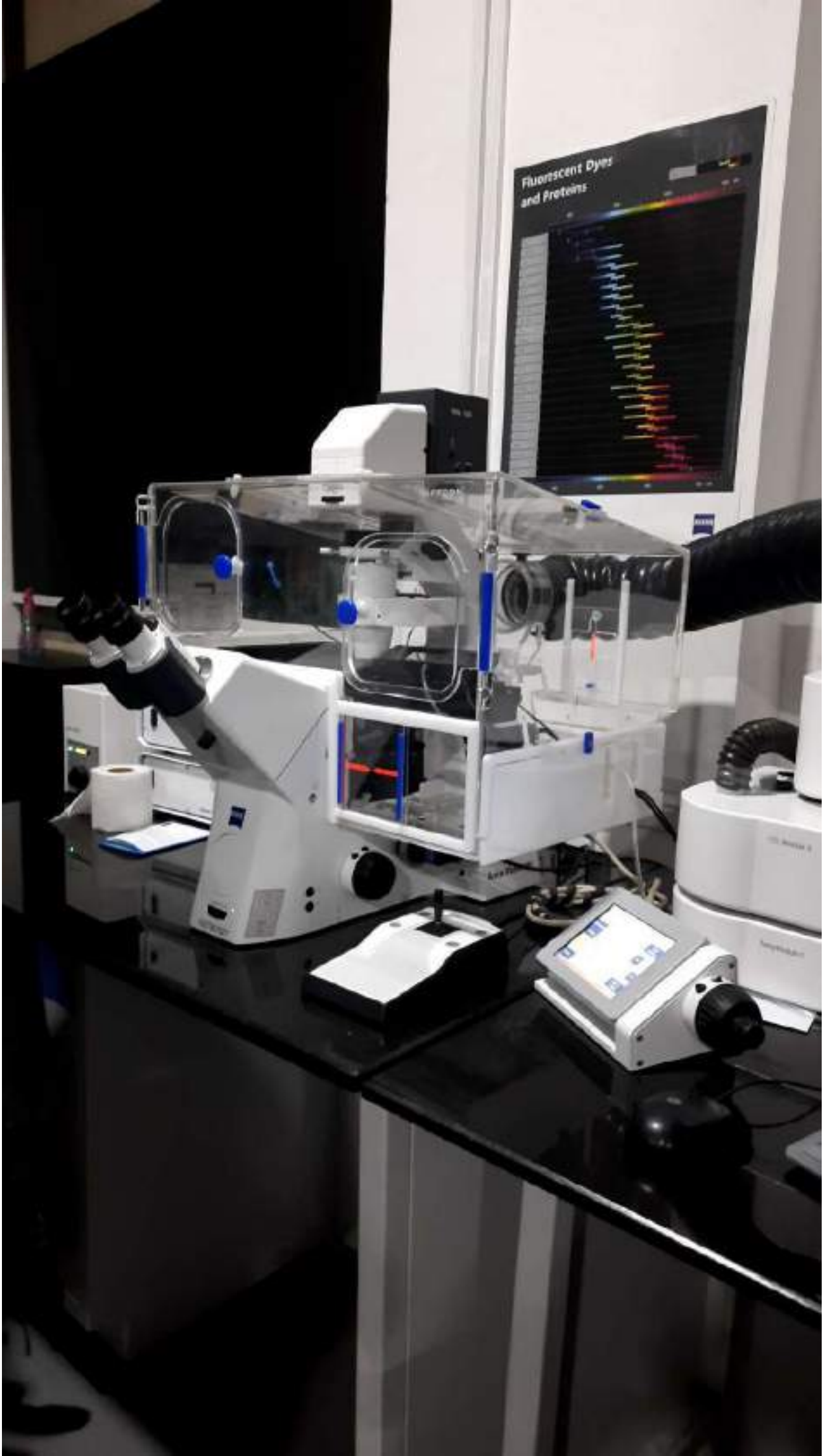

























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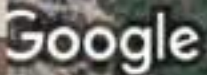
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Zoom Meeting interface showing a grid of participants. The grid is organized as follows:

 Dr. Varma Aruna	Sanjeeb Kumar... Sanjeeb Kumar Mondal	Mahitha Kasturi Mahitha Kasturi	Dr. Bishwambha... Dr. Bishwambhar Mishra	D. Madhavi latha D. Madhavi latha
1601-20-805-034 1601-20-805-034	1601-21-805-052 1601-21-805-052	1601-20-805-021 1601-20-805-021	Skvntba Skvntba	 1601-20-805-034, 1601-20-...
160119805037-... 160119805037-Sanya	1601-20-805-001 1601-20-805-001	Khadija Khadija	1601-20-805-01... 1601-20-805-017 Neta	 Dr. Chittesh Obula Reddy
1601-20-805-01... 1601-20-805-016 Sujatha C...	019 Sirisha Vallu... 019 Sirisha Vallu, 002 Astha...			B 1601-20-805-025 Sirsha
009_dhiya 009_dhiya		 1601-20-805-027 Shriya		















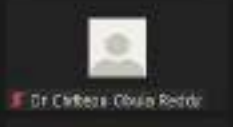





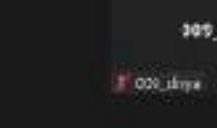
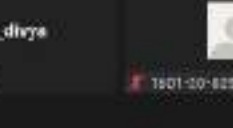


Participants (22)

Find a participant

- 34 Sanjeeb Kumar Mondal (M) [Mute] [Video]
- Dr. Varma Aruna (H) [Mute] [Video]
- 009_dhiya [Mute] [Video]
- 1 160119805037-Sanya [Mute] [Video]
- 1 160119805041_Shane [Mute] [Video]
- 1 1601-20-805-001 [Mute] [Video]
- 1601-20-805-006, 1601-20-805-... [Mute] [Video]
- 15 1601-20-805-016 Sujatha Koluru [Mute] [Video]
- 1M 1601-20-805-017 Neta [Mute] [Video]
- 1 1601-20-805-021 [Mute] [Video]
- B 1601-20-805-025 Sirsha [Mute] [Video]
- 1 1601-20-805-034 [Mute] [Video]
- 1 1601-20-805-052 [Mute] [Video]
- DM D. Madhavi latha [Mute] [Video]

Invite Unmute All

Zoom Meeting

 Skavitha Katar	 Sanjeeb Kumar...	 Dr. Varalakshmi Anura	 Dr. Bishwambhar...	 D. Madhavi Iatha
1601-20-805-034 	1601-21-805-052 	1601-20-805-021 	Skavitha 	
160119801037-... 	1601-20-805-001 	Khadija 	1601-20-805-01... 	
1601-20-805-01... 	019 Sirisha Vallu... 			
009_divya 				

Participants (24)

Find a participant

- Sanjeeb Kumar Mandal (Mz)
- Dr. Varalakshmi Anura (Host)
- Skavitha Katar
- 009_divya
- 160119805027-Neha
- 160119805041_Shara
- 1601-20-805-001
- 1601-20-805-008, 1601-20-805-009
- 1601-20-805-016-Sujatha Kolluru
- 1601-20-805-017-Neha
- 1601-20-805-021
- 1601-20-805-027-Sireya
- 1601-20-805-028-Sreya
- 1601-20-805-034

Invite Update Me

Recording

View

**CAREER PROSPECTS
IN THE FIELDS OF
BIOTECHNOLOGY
AND PUBLIC HEALTH**

Sanjeev Kumar...

Sanjeev Kumar Nand...

Dr. Varma Raju A...

Dr. Bishwambha...

Dr. Bishwan Bhar Mis...

D. Madhavi Iatha

D. Madhavi Iatha

Unmute Start Video Participants Chat Share Screen Record Reactions Apps

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Participants (27)

Find a participant

- Sanjeev Kumar Mandal (Me)
- Dr. Varma Raju A...
- Varsha Kasturi
- 003_ditya
- 100116802007-Neelja
- 100116802041-Bhara
- 1001-20-005-001
- 1001-20-005-008, 1001-20-005...
- 1001-20-005-014 Sugitha Kolluru
- 1001-20-005-017 Neha
- 1001-20-005-021
- 1001-20-005-027 Shreya
- 1001-20-005-029 Sneha
- 1001-20-005-034

Unmute Me

24°C Mostly cloudy 10:42 AM 3/9/2021

Recording View


Mahitha Kasturi

- CBIT Alumni, Bachelor of Technology, Biotechnology- 2021. GPA: 7
- Junior Researcher- Cognizant Technology Solutions, Hyderabad, India (October '21- July '22)
- Master's in Public Health (MPH) candidate at the Rollins School of Public Health, Emory University (August 2022- present)
 - Specialization: Global Epidemiology. GPA: 3.6



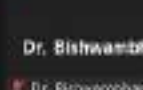
Mahitha Kasturi

Sanjeeb Kumar...



Sanjeeb Kumar Mand...

Neelam Sravani



Neelam Sravani
































Dr. Bishwambha...



Dr. Bishwambha...

Participants (27)

Search participants

	Sanjeeb Kumar Mandal (Me)		
	Dr. Venkatasuga An...		
	Mahitha Kasturi		
	009_dhiya		
	160119803037-weiya		
	160119805041_bharu		
	1601-20-885-001		
	1601-20-885-008, 1601-20-885...		
	1601-20-885-016 Susha Kolluri		
	1601-20-885-017 Neha		
	1601-20-885-021		
	1601-20-885-027 Shreya		
	1601-20-885-029 Sneha		
	1601-20-885-034		

[Invite](#) [Unmute Me](#)

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Participants 27

Chat

Show Screen

Record

Reactions

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24°C Mostly cloudy

10:42 AM 3/24/23

Recording

Manufacturing

- Designing and optimizing biomanufacturing processes to improve efficiency and yield.
- Relevant courses in your integrated program: Molecular Biology and its applications, Microbiology, Downstream Processing, Fermentation Technology, Thermosterases, etc.
- Roles include Upstream Processing Scientists, Downstream Process Technicians, Biomanufacturing Technicians, etc.
- Companies include: InVivo Biogen, Bharat Biotech, Mylan, Wipro, TCS Corporation, Dr. Reddy's, GE Healthcare, etc., IITs/MTs, Amgen, ThermoFisher Scientific, Eli Lilly, Merck, University laboratories, etc.

Sanjeeb Kumar...

Sanjeeb Kumar Mond...

Dr. Varmedugu...

Neelam Sravani

Neelam Sravani

Mirasa K.

4/23

Participants

Chat

Share Screen

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Participants (23)

Find a participant

Sanjeeb Kumar Mondal (M)	🔊	🗑️
Dr. Varmedugu Ars... (H)	🔊	🗑️
Nalitha Kattari	🟢	🗑️
209_driya	🔊	🗑️
022-Sourabh	🔊	🗑️
18011880505-ranika	🔊	🗑️
180118805041_Thara	🔊	🗑️
1801-20-805-801	🔊	🗑️
1801-20-805-808, 1801-20-805...	🔊	🗑️
1801-20-805-816 Seetha Kolluru	🔊	🗑️
1801-20-805-817 Naha	🔊	🗑️
1801-20-805-822_051	🔊	🗑️
1801-20-805-827 Skreya	🔊	🗑️
1801-20-805-828 Saaha	🔊	🗑️

Invite

Unmute All

Recording View

Clinical Research

- Involves the study of new drugs or medical devices or treatments to evaluate their safety and effectiveness in human patients.
- Closely work with investigators, regulatory agencies, pharma companies and other stakeholders to bring new drugs and medical devices to market.
- Roles include: CRA, CRC, CTM, Medical Writer, etc.
- Companies include: In India- Cognizant Technology Solutions, Viatris, Omax Research, MakroCare, IQVIA. In the US- IQVIA, PPD, E.L.L.I.P.Y, Covance etc.



Sarjeeb Kumar...

sarjeeb kumar mand...



Neelam Sravani

Neelam Sravani

Manasa K

Participants (33)

Find a participant


1	961208802042	🔊 📹
1	961-21-905-052	🔊 📹
AB	Aneeka Bora	🔊 📹
AP	Ashutosh Pandey	🔊 📹
BT	Bhava DAS	🔊 📹
DN	D. Madhuri Isha	🔊 📹
DC	Dr Chittapa Obula Reddy	🔊 📹
DB	Dr. Satwanthar Mishra	🔊 📹
D	Dr.S.Sunitha	🔊 📹
K	Kharaji	🔊 📹
KH	Kolluru Hethik	🔊 📹
K	Manasa K	🔊 📹
NS	Neelam Sravani	🔊 📹
NB	Nitin Budha 042	🔊 📹

24°C. Mostly cloudy 11:52AM 3/5/2023

Recording Resuming Meeting Time 07:05

Biotech Entrepreneur

- Although it is a challenging field that requires a significant amount of expertise, capital, and regulatory compliance, biotech entrepreneurship offers a wide range of opportunities for those who are passionate about developing innovative technologies and products that can make a positive impact on society.
- Drug discovery and development
- Medical devices
- Bioinformatics and data analysis
- Agricultural biotechnology
- Industrial biotechnology/ Cosmetic industry
- Contract research and development




Sanjeeb Kumar...

Sanjeeb Kumar Mand...

1601-20-805-001

1601-20-805-001



Mansa K.

1601-20-805-030

1601-20-805-030

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ADAMANT - 3.53%
11:00 AM 9/9/2023

Participants (24)

04	Sanjeeb Kumar Mantal (M)	🔊 📺
01	Dr. Varadugu An... (Hbt)	🔊 📺
05	Nalini Katturi	🟢 🔊 📺
08	209_driya	🔊 📺
00	022-Sourabh	🔊 📺
01	160118805057-nanipa	🔊 📺
01	1601-20-805-001	🔊 📺
01	1601-20-805-003(Avina)	🔊 📺
02	1601-20-805-006 Sreyasha	🔊 📺
01	1601-20-805-008, 1601-20-845...	🔊 📺
15	1601-20-805-014 Sajitha Kulkarni	🔊 📺
10	1601-20-805-020, 051	🔊 📺
01	1601-20-805-021, 094, 035, 060	🔊 📺
01	1601-20-805-022	🔊 📺


Invite
Update Role

Recording Remaining Meeting Time: 00:51 View

Being a public health professional:

Rewarding and a challenging experience. Public health is a field that focuses on the health of populations, rather than individual patients, and involves the application of knowledge from a variety of disciplines, including epidemiology, biostatistics, environmental health, and social and behavioral sciences. As a public health student, you will learn about the social and environmental determinants of health, health promotion and disease prevention strategies, and the design and evaluation of public health programs and policies.

- Interdisciplinary learning
- Real-world experience
- Research opportunities
- Global perspective



Participants

Sergeeb Kumar...
▶ sarjeb.kumar@ind...

1601-20-895-001
▶ 1601-20-895-001

Mansab K...

1601-20-895-030
▶ 1601-20-895-030

Screen

Stop Video
Participants
Chat
Share Screen
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Reactions
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Participants (14)

Find a participant

A	1601-20-895-048 Adcock	▶ ▶
I	160126885262042	▶ ▶
I	1601-20-895-052	▶ ▶
AP	Ashutosh Pandey	▶ ▶
BT	Bhona DAS	▶ ▶
DN	D. Madhuri Iyengar	▶ ▶
DC	Dr. Chittaranjan Das Reddy	▶ ▶
DB	Dr. Satwanbhar Mishra	▶ ▶
D	Dr. S. Sumithra	▶ ▶
K	Kharjje	▶ ▶
M	Mansab K.	▶ ▶
MR	Mri Rahmanuddin	▶ ▶
NR	Nitin Bhatia (4)	▶ ▶
SS	Shravan G02, Soanysa G01	▶ ▶

Invite
Unmute All

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

(Affiliated to Osmania University)

Alumni Talk on 23-05-2023**B.Tech. (BIOTECH) - IV SEMESTER**

S.No	Rolls List	Name of the Candidate	Signature
1	1601-21-805-001	ALEKHYA PASUMARTHY	<i>Alekhyas</i>
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	<i>Khadija</i>
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	<i>Anshika</i>
5	1601-21-805-005	ASHRITA KOTTAKOTA	
6	1601-21-805-006	BIKKUMALLA SHRUTI	
7	1601-21-805-007	BOCHA SRIHITHA	
8	1601-21-805-008	CAMBAMPATY AKSHITA NAIDU	
9	1601-21-805-009	DANNE SHAMITHA	<i>Danne</i>
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	<i>Thabitha</i>
12	1601-21-805-012	GODHA PRIYANKA	
13	1601-21-805-013	GOLLA VASANTHI	
14	1601-21-805-014	GOTTE GRACE HEPSIBAH	
15	1601-21-805-015	GRANDHI MANOGNADEVI	<i>G.Manogna</i>
16	1601-21-805-016	J KAVYASRI	<i>Kavya</i>
17	1601-21-805-017	JANGALA HARI PRIYA	<i>H.Priya</i>
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	<i>K.Akhila</i>
21	1601-21-805-021	KEERTHANA NALLA	<i>Keerthana</i>
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	<i>Kirthika</i>
23	1601-21-805-023	LOKAM PRANAVI SRI SAI	
24	1601-21-805-024	MADAMANCHI LAKSHMI PRASANNA SAI	
25	1601-21-805-025	MADIKUNTA DIVYASREE	<i>M.Divyasree</i>
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	<i>Mahima</i>
28	1601-21-805-028	MEDISETTY RASHMI	<i>Rashmi</i>
29	1601-21-805-029	MUKKA JAHNAVI	
30	1601-21-805-030	MUSKAN	
31	1601-21-805-031	N PRASHANTHI	
32	1601-21-805-032	NIDHI BHIDE	
33	1601-21-805-033	PHALGUNI NADIGER	
34	1601-21-805-034	PUNREDDY AKSHITHA	<i>P.Akshitha</i>





UNIVERSITY GUARANTEES
MINISTRY OF TECHNOLOGY

REGULASI

1. Tujuan dan Maksud

2. Ruang Lingkup

3. Maksud dan Tujuan

4. Sasaran

5. Ruang Lingkup

6. Maksud dan Tujuan

7. Sasaran

8. Ruang Lingkup

9. Maksud dan Tujuan

10. Sasaran











Indian medical device industry exhibiting rapid growth amidst emerging healthcare trends; fragmented sector with a few scaled-up players

Indian Medical Devices Market (\$ Bn)



Distribution of no. of Indian medical device manufacturers (by revenue)

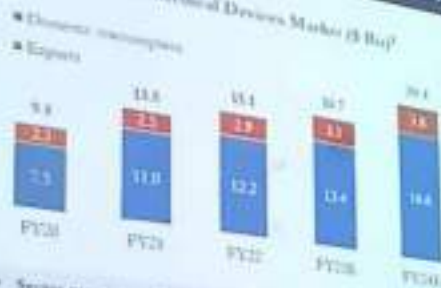


- Sector growing at CAGR of ~15% driven by emerging trends in the Indian healthcare and diagnostics space
 - Increase in minimally-invasive/non-invasive procedures
 - Rising demand for faster and more accurate diagnostics
 - Increasing affordability, improving healthcare penetration in Tier II & III cities
- 4th largest Asian medical devices market after Japan, China, and South Korea
- Among top 20 global medical devices markets in the world
- Industry is fragmented – consists of over 800 players, both large MNCs as well as SMEs
- India has an overall ~75% import dependency on medical devices; however, exports are rapidly catching up
- Favourable government policy measures such as setting up of Export Promotion Council for Medical Devices (EPCMD), PLI Schemes and MedTech parks to boost domestic manufacturing and exports

*Average CAGR/EXE includes one-time for the respective fiscal year; Average export CAGR FY22 to FY24E ~11%
 Source: Department of Pharmaceuticals – Annual Reports & PIBs, NITI Aayog Reports, KPMG Research

Indian medical device industry exhibiting rapid growth amidst emerging healthcare trends; fragmented sector with a few scaled-up players

Indian Medical Devices Market (Bn\$)



Distribution of top 10 Indian medical device manufacturers (by revenue)



- Sector growing at CAGR of ~10% driven by emerging trends in the Indian healthcare and diagnostic space
 - Increase in minimally-invasive/surgically-assisted procedures
 - Rising demand for faster and more accurate diagnostics
 - Increasing affordability: improving healthcare penetration in Tier II & III cities
- 4th largest Asian medical device market after Japan, China, and South Korea
- Among top 20 global medical device markets in the world
- Industry is fragmented - consists of over 800 players, both large MNCs as well as SMEs
- India has an overall ~75% import dependency on medical devices, however, exports are rapidly growing
- Favorable government policy initiatives such as setting up of Export Promotion Council for Medical Devices (EPC-MD), PLI Schemes and MedTech parks to boost domestic manufacturing and exports

*Average CAGR/CAGR average are subject to reports from year 2020 to year 2024 (FY20 to FY24) ~10%
Source: Department of Pharmaceuticals - Annual Report & PDR, Statista Research, SPIC Research

India Life Sciences Industry Update

MEDICAL DEVICES



India Life Sciences Industry Update

PHARMA



Increasing burden of diseases necessitates supply-side ramp-up

India's healthcare delivery market: large gap between supply and demand

INCREASING DISEASE BURDEN

CHANGING DISEASE PATTERN

India: percent of total DALY



HIGH PREVALENCE OF CHRONIC DISEASES

Prevalence: million of Indians



Increasing prevalence of chronic diseases creates an urgent need for additional healthcare capacity

INDIA VS OTHER COUNTRIES: SIGNIFICANT SCARCITY OF SUPPLY

ONCOLOGY

Linear Accelerators per million people



INTENSIVE CARE

ICU beds per 100,000 people



OPHTHALMOLOGY

Ophthalmologic surgeons per million people



CARDIOLOGY

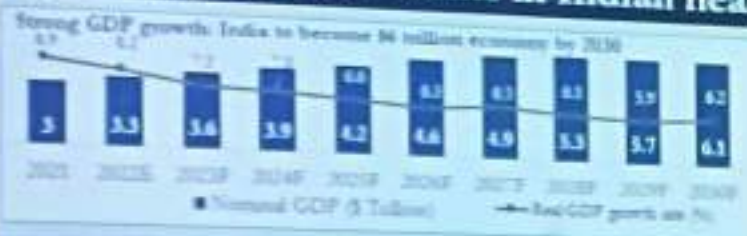
Cath Labs per 100,000 people



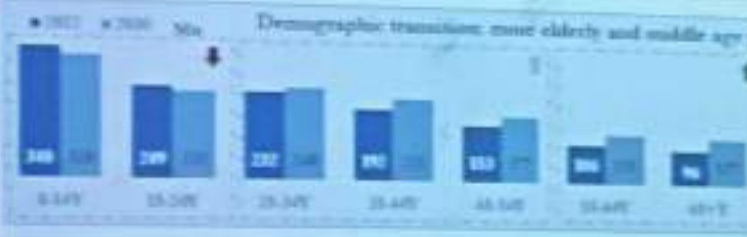
Investment in healthcare infrastructure in India is required to bridge the wide gap



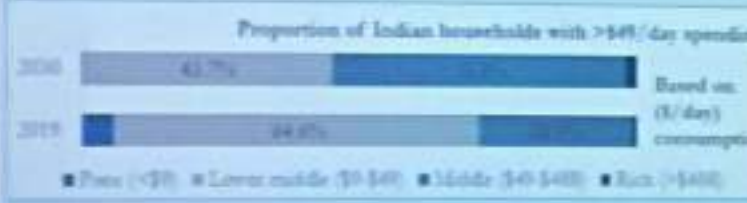
Favorable macro and socio-economic factors expected to drive spending and investments in Indian healthcare industry



- Public health spending in India, which is over 1.7% of GDP, is anticipated to grow to 2.1% of GDP in the coming years
- FDI announcements in the sector and national health insurance schemes are anticipated to stimulate growth



- By 2030, India will have 127 million more citizens, a 10% rise from today
- Growing elderly and middle-aged populations are anticipated to increase healthcare spending



- Rising household income, increasing health consciousness, and higher incidence of lifestyle diseases are anticipated to increase healthcare demand



- Need to increase healthcare services to satisfy the rising demand of Tier II and Tier III cities

Indian Healthcare delivery market currently stands at ~USD 132 Bn, expected to grow at 15-17% CAGR in next 5-7 years

Investment Opportunities of c. \$ 25 -30 Bn in Indian Healthcare delivery over the next 7 years

ESL, D&F, Frost and Sullivan, Techno analysis, The Army report 2021. * assuming average Indian household size of 4.44 persons



Indian pharma market continues to grow despite multiple shocks over the last two decades



...While continuing to capitalize on growing Rest of the World markets

Indian pharma exports in USD bn



- Indian pharmaceutical exports have grown from \$17 billion in FY11 to \$24 billion in FY22, a CAGR of over 10%.
- Out of which exports to the Rest of the World market constitutes 30% of total exports and have grown at a CAGR of ~15%.
- Exports to Asia, LATAM¹, and the CIS² regions are growing by double-digits.

Source: Pharmaceutical Research and Manufacturers of India (PMDA) and industry estimates. Data is in USD billion. FY11 = 2010-11, FY22 = 2021-22. CAGR = Compound Annual Growth Rate. ¹ Latin America, ² Commonwealth of Independent States and Former Soviet Union.



2016

PGDIT Graduates are made to realize the importance of lifelong self-learning to be abreast with the constantly evolving technologies.

Program Specific Outcomes (PSOs)

1. To produce well trained graduates meeting the requirements of (biotechnology) industries, academic and research institutions.
2. Graduates are able to identify needs and problems of the sector and design (biotechnology) driven solutions.





Report on Two-week Short Term Training Programme on ‘Robotics and Drones’

Two-week Short Term Training Programme (STTP) on ‘Robotics and Drones’ organized by Dept. of Mechanical Engineering, Electronics and Communication Engineering, Information Technology and Electrical Electronics Engineering of **Chaitanya Bharathi Institute of Technology (A)**, Hyderabad, in collaboration with **IEEE Robotics and Automation Society**, was held during **05th September to 17th September 2022** from 3.15-4.45 PM in online mode. The program was inaugurated by the Principal (**Dr. P. Ravinder Reddy**), CBIT (A), in which 95 faculty members from various organizations attended first of-its-kind STTP that provided multi-disciplinary concepts and training program on Robotics, Arduino, Linux, Python fundamentals, Open CV and Controlling drones.

First day (05.09.2022): **Smt. Ch. V. Sushma**, Assistant Professor, CBIT (A), welcomed the speakers and participants, briefed them about the activities going on, and introduced Principal, Director I&I, CBIT (A), to the inaugural function. **Dr. Inturi Vamsi**, one of the Co-ordinators of the program, Assistant Professor, CBIT (A), gave opening remarks and briefed about the contents along with the objective of the STTP. **Dr. Rakesh Kumar Sidhardhan**, Technical Manager, HCL Technology Pvt. Ltd., Chennai, delivered a keynote address on the importance of robotics and its implications. **Prof. G. Chandra Mohan Reddy**, Principal, MGIT, Hyderabad, talked about the ‘Introduction to robotics’ in various arenas and **Mr. Sidhanth**, Managing Director, Binford Industries, Hyderabad, explained about ‘Introduction to Drones and its peripherals’.

Second day (06.09.2022): **Mr. G. Mallikarjuna Rao**, Assistant Professor, CBIT (A) explained the ‘Arduino and its internals’ followed by a training session.

Third day (07.09.2022): **Prof. Umakanta Choudhury**, Director, I&I, CBIT (A), delivered a talk about the various types of ‘Motors’.

Fourth day (08.09.2022): **Mr. G. Mallikarjuna Rao**, Assistant Professor, CBIT (A), explained the ‘Interfacing of various sensors (ultrasonic sensor, proximity sensor, etc.) and motors (servomotor, stepper motor, etc.)’ followed by training session through Arduino.

Fifth day (09.09.2022): **Dr. T. Murali Krishna**, Assistant Professor, CBIT (A), delivered a talk about the various types of ‘Drivers’.

Sixth day (12.09.2022): **Prof. Umakanta Choudhury**, Director, I&I, CBIT (A), explained various types of batteries and safety management.

Seventh day (13.09.2022): Dr. A. Rajanikanth, Associate Professor, CBIT (A), explained the ‘Linux CLI and Linux commands’ followed by a training session through Jupyter notebook.

Eighth day (14.09.2022): Dr. A. Rajanikanth, Associate Professor, CBIT (A), delivered a talk about ‘Understanding Python fundamentals’ followed by a training session through Jupyter notebook.

Ninth day (15.09.2022): Mr. B. Suresh Kumar, Salesforce Developer, PopcornApps, Hyderabad, explained about ‘Understanding Open CV’ followed by a training session.

Tenth day (16.09.2022): Dr. Md. Sirajuddin, Assistant Professor, VIT University, delivered a talk about ‘Controlling the Drone with Python’ followed by a training session.

Finally, a formal valedictory session was conducted on the last day (17.09.2022). In this session, the co-ordinator gave the overall remarks on the program. A total of 95 registrations were received from the faculty and research scholars. The feedback was recorded from the participants during the post-valedictory function. The majority of the participants highly appreciated the efforts put forward by the organizing members in their feedback. One of the participants suggested including a few talks relevant to research contributions made by eminent researchers in the contemporary applications of drones and bio-inspired robotics. Followed by a valedictory session, an online test was conducted to assess the participants learning skills. A total of 60 participants appeared for the online test, in which 54 participants received the certificate.

The co-ordinators thanked all the participants for their active participation in the STTP. The team of co-ordinators expressed their gratitude towards CBIT (A) and IEEE.

Report prepared by Dr. Inturi Vamsi,

Co-ordinator, STTP,

19.10.2022.

No. CBIT/MED/ B2/ Sept-2022

Note Submitted to the Principal

Sub: Conduction of a Two Week Short Term Training Programme on Robotics and Drones
Request of approval-Reg.

01-09-2022

Respected Sir,

I am here by submitting that Robotics and Drones Lab is introduced in the curriculum of 1-Year from 2022 onwards for all sections. As it is multi disciplinary course involving Mechanical, Electrical, Electronics and Computer Science concepts, training programme to the faculty (11 Sections x 3 faculty per section) is essential. Hence, a two week short term training programme is planned in collaboration with IEEE Robotics and Automation society from 05-05-2022 where tentative schedule is as follows:

Date	Time	Topic	Resource Person
05-09-2022	02.00-02-15	Inauguration	Address by the Principal, Director-I & I, Director-R & D
	02.15-03-15	Key note address	Dr. Rakesh Kumar Sidhardhan, Technical Manager, Robotics Engineering, R& D services, HCL Technology Pvt.Ltd., Chennai
	03.15-04-00	Introduction to Robotics	Dr. G.Chandra Mohan Reddy, Principal, MGIT
	4.00-04-45	Introduction to Drones	Mr Sidhanth, MD, Binford industries
06-09-2022	03.15-04-45	Introduction to Aurdino and its internals	Mr. G.Mallikarjuna Rao, Asst. Prof. Department of ECE,CBIT
07-09-2022	03.15-04-45	Motors	Dr. N.Vasantha Gowri, Asst. Prof., EEE
08-09-2022	03.15-04-45	Interfacing of Sensors & Motors	Mr. G.Mallikarjuna Rao, Asst. Prof. Department of ECE,CBIT
09-09-2022	03.15-04-45	Drivers	Dr. N.Vasantha Gowri, Asst. Prof., EEE
12-09-2022	03.15-04-45	Batteries and safety	Dr.U.K.Chaudary, Director, I&I
13-09-2022	03.15-04-45	Linux CLI and Linux Commands	Dr A.RajaniKanth, Associate Professor, Department of IT,CBIT
14-09-2022	03.15-04-45	Understanding Python fundamentals	Dr A.RajaniKanth, Associate Professor, Department of IT,CBIT

Approved
02/09/2022

15-09-2022	03.15-04-45	Understanding Open CV	Mr B.SureshKumar, Salesforce Developer, PopCornApps Pvt Ltd,
16-09-2022	03.15-04-45	Controlling Drone with Python	Dr Mohammed Sirajuddin, Assistant Professor, Department of Computer Science, VIT,A.P
17-09-2022	03.00-04-30	Introduction to Mathematical modelling of robotic arm and its Kinematics	Dr Sudharsan Jayabalan, Chair,IEEE-RAS ,Hyderabad Section.
	04.30-04-45	Valedictory	Concluding remarks by the one of the coordinators

The external resource persons kindly agreed to deliver the lecture without any remuneration. A certificate appreciation may be provided to them as a token of gratitude.

The organising team is as follows

Chief Advisor: Dr. P.Ravinder Reddy, Principal, CBIT

Advisors: Dr U.K Chaudary, Director I&I

Dr. D.Krishna Reddy, HoD, ECE

Dr. K.Radhika, HoD,IT

Dr. G.Suresh Babu, HoD, EEE

Dr.P.Narahari Sastry, Professor,ECE

Dr.P.V.R.Ravindra Reddy,HoD,MED

Dr.Sudharshan Jayabalan,Chair, IEEE-RAS, Hyderabad Section

Coordinators;

Dr A.Ranjanikath, Associate Professor, IT

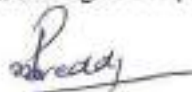
Mr. G.Mallikarjuna Rao, Assistant Professor, ECE

Dr.N.Vasanth Gowri, Assistant Professor,EEE

Dr.I.Vamsi, Assistant Professor, MED

The sessions from external resource persons are planned online and from the internal resource persons are planned offline or online depending on the content, convenience and requirement.

In this regard I request your kind approval.



Head, MED

7857

Report on Two-week Short Term Training Programme on 'Robotics and Drones'

Two-week Short Term Training Programme (STTP) on 'Robotics and Drones' organized by Dept. of Mechanical Engineering, Electronics and Communication Engineering, Information Technology and Electrical Electronics Engineering of **Chaitanya Bharathi Institute of Technology (A)**, Hyderabad, in collaboration with **IEEE Robotics and Automation Society**, was held during **05th September to 17th September 2022** from 3.15-4.45 PM in online mode. The program was inaugurated by the Principal (**Dr. P. Ravinder Reddy**), CBIT (A), in which 95 faculty members from various organizations attended first of-its-kind STTP that provided multi-disciplinary concepts and training program on Robotics, Arduino, Linux, Python fundamentals, Open CV and Controlling drones.

First day (05.09.2022): **Smt. Ch. V. Sushma**, Assistant Professor, CBIT (A), welcomed the speakers and participants, briefed them about the activities going on, and introduced Principal, Director I&I, CBIT (A), to the inaugural function. **Dr. Inturi Vamsi**, one of the Co-ordinators of the program, Assistant Professor, CBIT (A), gave opening remarks and briefed about the contents along with the objective of the STTP. **Dr. Rakesh Kumar Sidhardhan**, Technical Manager, HCL Technology Pvt. Ltd., Chennai, delivered a keynote address on the importance of robotics and its implications. **Prof. G. Chandra Mohan Reddy**, Principal, MGIT, Hyderabad, talked about the 'Introduction to robotics' in various arenas and **Mr. Sidhanth**, Managing Director, Binford Industries, Hyderabad, explained about 'Introduction to Drones and its peripherals'.

Second day (06.09.2022): **Mr. G. Mallikarjuna Rao**, Assistant Professor, CBIT (A) explained the 'Arduino and its internals' followed by a training session.

Third day (07.09.2022): **Prof. Umakanta Choudhury**, Director, I&I, CBIT (A), delivered a talk about the various types of 'Motors'.

Fourth day (08.09.2022): **Mr. G. Mallikarjuna Rao**, Assistant Professor, CBIT (A), explained the 'Interfacing of various sensors (ultrasonic sensor, proximity sensor, etc.) and motors (servomotor, stepper motor, etc.)' followed by training session through Arduino.

Fifth day (09.09.2022): **Dr. T. Murali Krishna**, Assistant Professor, CBIT (A), delivered a talk about the various types of 'Drivers'.

Sixth day (12.09.2022): **Prof. Umakanta Choudhury**, Director, I&I, CBIT (A), explained various types of batteries and safety management.

Seventh day (13.09.2022): Dr. A. Rajanikanth, Associate Professor, CBIT (A), explained the 'Linux CLI and Linux commands' followed by a training session through Jupyter notebook.

Eighth day (14.09.2022): Dr. A. Rajanikanth, Associate Professor, CBIT (A), delivered a talk about 'Understanding Python fundamentals' followed by a training session through Jupyter notebook.

Ninth day (15.09.2022): Mr. B. Suresh Kumar, Salesforce Developer, PopcornApps, Hyderabad, explained about 'Understanding Open CV' followed by a training session.

Tenth day (16.09.2022): Dr. Md. Sirajuddin, Assistant Professor, VIT University, delivered a talk about 'Controlling the Drone with Python' followed by a training session.

Finally, a formal valedictory session was conducted on the last day (17.09.2022). In this session, the co-ordinator gave the overall remarks on the program. A total of 95 registrations were received from the faculty and research scholars. The feedback was recorded from the participants during the post-valedictory function. The majority of the participants highly appreciated the efforts put forward by the organizing members in their feedback. One of the participants suggested including a few talks relevant to research contributions made by eminent researchers in the contemporary applications of drones and bio-inspired robotics. Followed by a valedictory session, an online test was conducted to assess the participants learning skills. A total of 60 participants appeared for the online test, in which 54 participants received the certificate.

The co-ordinators thanked all the participants for their active participation in the STTP. The team of co-ordinators expressed their gratitude towards CBIT (A) and IEEE.

Report prepared by Dr. Inturi Vamsi,

Co-ordinator, STTP,

19.10.2022.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
MECHANICAL ENGINEERING DEPARTMENT

No. CBIT/MED/162 /Sept-2022

01-09-2022

Note Submitted to the Principal

Sub: Conduction of a Two Week Short Term Training Programme on Robotics and Drones -
Reg.

Respected Sir,

I am here by submitting that Robotics and Drones Lab is introduced in the curriculum of 1-Year from 2022 onwards for all sections. As it is multi disciplinary course involving Mechanical, Electrical, Electronics and Computer Science concepts, training programme to the faculty (11 Sections x 3 faculty per section) is essential. Hence, a two week short term training programme is planned in collaboration with IEEE Robotics and Automation society from 05-05-2022 where tentative schedule is as follows:

Date	Time	Topic	Resource Person
05-09-2022	02.00-02-15	Inauguration	Address by the Principal, Director-I & I, Director-R & D
	02.15-03-15	Key note address	Dr. Rakesh Kumar Sidhardhan, Technical Manager, Robotics Engineering, R& D services, HCL Technology Pvt.Ltd., Chennai
	03.15-04-00	Introduction to Robotics	Dr. G.Chandra Mohan Reddy, Principal, MGIT
	4.00-04-45	Introduction to Drones	Mr Sidhanth, MD, Binford industries
06-09-2022	03.15-04-45	Introduction to Aurdino and its internals	Mr. G.Mallikarjuna Rao, Asst. Prof. Department of ECE,CBIT
07-09-2022	03.15-04-45	Motors	Dr. N.Vasantha Gowri, Asst. Prof., EEE
08-09-2022	03.15-04-45	Interfacing of Sensors & Motors	Mr. G.Mallikarjuna Rao, Asst. Prof. Department of ECE,CBIT
09-09-2022	03.15-04-45	Drivers	Dr. N.Vasantha Gowri, Asst. Prof., EEE
12-09-2022	03.15-04-45	Batteries and safety	Dr.U,K.Chaudary, Director, I&I
13-09-2022	03.15-04-45	Linux CLI and Linux Commands	Dr A.RajaniKanth, Associate Professor, Department of IT,CBIT
14-09-2022	03.15-04-45	Understanding Python fundamentals	Dr A.RajaniKanth, Associate Professor,



15-09-2022	03.15-04-45	Understanding Open CV	Department of IT, CBIT Mr.B.SureshKumar, Salesforce Developer, PopCornApps Pvt Ltd,
16-09-2022	03.15-04-45	Controlling Drone with Python	Dr Mohammed Sirajuddin, Assistant Professor, Department of Computer Science, VIT,A.P
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	04.30-04-45	Valedictory	Concluding remarks by the one of the coordinators

The external resource persons kindly agreed to deliver the lecture without any remuneration. A certificate appreciation may be provided to them as token of gratitude.

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Dr. D.Krishna Reddy, HoD, ECE

Dr. K.Radhika, HoD,IT

Dr. G.Suresh Babu, HoD, EEE

Dr.P.Narahari Sastry, Professor,ECE

Dr.P.V.R.Ravindra Reddy,HoD,MED

Dr.Sudharshan Jayabalan,Chair, IEEE-RAS, Hyderabad Section

Coordinators:

Dr A.Ranjanikath, Associate Professor, IT

Mr. G.Mallikarjuna Rao, Assistant Professor, ECE

Dr.N.Vasanth Gowri, Assistant Professor,EEE

Dr.I.Vamsi, Assistant Professor, MED

The sessions from external resource persons are planned online and from the internal resource persons are planned offline or online depending on the content, convenience and requirement.

P. Reddy

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DEPARTMENT OF MECHANICAL ENGINEERING,

CIRCULAR

Date: 06.08.2023

The Department of Mechanical Engineering is conducting a one-day In-house training program to its faculty on 08-04-2023 from 2.00 pm to 4.00 pm on SOLIDWORKS Software Package. The venue for this training program will be CFD Lab. This training program is being organized to familiarize its faculty with reference to the requirement of Digital Fabrication Lab of first year students. The following topics will be covered during this training program using SOLIDWORKS

- Sketch tool bars
- Feature tool bars
- Modeling of door bracket

All the faculty members of MED are requested to attend this program and get benefit out of it.


HOD, MED

PROF. S. S. ...



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY

WARRANTED TO
PROVIDE THE BEST
TECHNICAL EDUCATION

44
YEARS



One Week AICTE IDEA LAB FDP
On
Digital Manufacturing and IoT based
Prototype Development
April 24 - 28, 2023

CERTIFICATE

This is to certify that Mr. / Ms. / Dr. Sushma Ch of
Chaitanya Bharathi Institute of Technology has Delivered Guest Lecture
for one week AICTE IDEA LAB FDP on "Digital Manufacturing and IoT based Prototype Development" during
24-28 April 2023 at Chaitanya Bharathi Institute of Technology (A), Hyderabad - 500 075, Telangana, India.

T. Choudry

Dr. U.K Choudhury
Technical Advisor-FDP

P. Ravinder Reddy

Dr. P. Ravinder Reddy
Principal, I.B.T.I

ORGANIZING COMMITTEE

Chair Person
Dr. V. Subash Prasad, CBIT

Member
Dr. P. Ravinder Reddy, Principal, CBIT

Member
Prof. Vinayaka Choudhary, Director I&I, CBIT

Member
Dr. T. Prathibha Reddy, I&I Mechanical, CBIT

Member
Dr. Kiran Kumar Amireddy, Assistant Professor, MED

Member
Mrs. Venkata Sushma Chitra, Assistant Professor, MED

Member
Dr. B. V. S. Rao, Assistant Professor, MED

Member
Mr. E. Ramakrishna, Assistant Professor, IT

Mode of class: Hybrid

Timing: 9 to 4 PM

ABOUT THE COLLEGE

CBIT is one of the premier Engineering colleges in the state of Telangana located in the scenic surroundings of Gandipet Lake where the past 44 years this institute has become a temple of knowledge and produced about 21,000 engineers and 4,000 graduate and postgraduate engineers serving all over the world. Various programmes of the college were accredited first time by NBA, AICTE and the institute is also accredited A++ by NAAC. CBIT has granted autonomous status to the institute from the academic year 2013-2014 and renewed in 2019-2020. The total constructed area is about 6.77 lakh sq. ft. Worth about Rs. 4500 crores spread over 50.75 acres. The grants received from AICTE, I&I, DST are worth about Rs. 10 crores. The college offers B.Tech (4) and B.E./ECE (2) courses. The institute has signed MoU's with various reputed organizations.

ABOUT THE AICTE IDEA LAB @ CBIT

The aim of AICTE IDEA Lab at CBIT is to provide all facilities for conversion of an idea into a prototype. With these facilities in the campus, more students and faculty are being encouraged to take up creative work and, in the process, are getting involved in creative thinking, problem solving, collaboration etc. The IDEA Lab of CBIT is headed by Principal & Professor Dr. P. Ravinder Reddy, who is the chief mentor and the program is being actively guided by Dr. UK Choudhary, Director I & I, Dr. BVS Rao and Dr. P. Prathiba are coordinators. We also have strong team of four Technical Guru's. The IDEA lab at CBIT is equipped with 15 3-D Printers, 50 Robotic Kits. About 600 Students have already undergone training for Digital Fabrication using 3-D Printers and in Arduino. So that they become technically more competitive and confident. Presently, the IDEA Lab at CBIT is also trying to reach schools and industries in and around Hyderabad.



CBIT is a member of the G20 nations
National Innovation Ecosystem - NIEP

"Python, Image processing using openCV and Innovative Projects"

19 June - 14 July, 2023

Coordinators
Mrs. Venkata Sushma Chitra
Dr. Kiran Kumar Amireddy

Organized by



AICTE IDEA LAB

Chaitanya Bharathi Institute of
Technology (A)

(Affiliated to Osmania University &
Approved by AICTE, Accredited by NBA,
AICTE, NAAC-A GC, ISO 9001:
2015 certified institute)

Kokapet, V. Gandipet (M), Hyderabad
Telangana-500075
Website: <http://www.cbit.ac.in>

ABOUT THE PROGRAMME

The objective of the program is to provide basic knowledge of Python and Image Analysis.

- **Practical Skills:** will develop a strong foundation in Python programming and OpenCV, giving you a competitive edge in the job market.
- **Problem-Solving Abilities:** The hands-on project will provide challenges, critical thinking, and problem analysis skills.
- **Real-World Relevance:** The skills acquired will provide applications in industries such as computer vision, image processing, artificial intelligence, robotics, and more.
- **Career Opportunities:** Python and OpenCV are highly sought-after skills in the industry.

The internship will cover:

Week1: BASICS OF PYTHON:

- Variable creation
- Arithmetic and logical operators
- Data types and associated operations
- Conditional Statements, Loops

Week2: SEQUENCE DATA TYPE

- Strings, Lists and Arrays
- Tuples, Dictionary and Sets
- Range

Week3: Open CV

- Read an image and change pixel values
- Convert the image to grayscale
- Apply Gaussian blur to the image
- Crop a region of interest (ROI)
- Apply a binary threshold, color filter
- Draw shapes on the image etc.

Week4: Innovative Projects

- On Python and/or OpenCV

ELIGIBILITY

Student from BE, B.Tech and M.E/M.Tech of any discipline

GUIDELINES

- Payment of fee and registration is first.
- Mention **SIP by MED** while payment
- Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only.

REGISTRATION DETAILS

Registration fee: Rs. 1000/-

Bank Details: Acc.No: 180401001442

ICIC000385



For details visit:

Mrs. Ch. V. Sushma, Assistant Professor,

Dept. of Mechanical Engineering, CBIT,

Hyderabad-500075

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Dr. Kiran Kumar Amireddy, Assistant Professor,

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REGISTRATION FORM

A One-Month Hybrid mode

AICTE IDFA LAB SIP on

Python, Image processing using Open CV

and Innovative Projects

(13 June-14 July, 2023)

Organized by

DEPARTMENT OF MECHANICAL

ENGINEERING and

AICTE IDFA LAB

Chaitanya Bharathi Institute of Technology

Gandipet, Hyderabad

Telangana-500075

1. Name:
2. Date of Birth:
3. Gender:
4. Course and Year:
5. Branch:
6. Institute:
7. Address for Communication:
8. E-mail:
9. Mobile:
10. Any other information:

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the programme and shall attend the course for the entire duration.

<https://docs.google.com/spreadsheets/d/1NAoJ8>

[8Mf5ZYqaqf57W509H1nIZ-](https://docs.google.com/spreadsheets/d/1NAoJ8)

[t40skMIXTh5lag9bc/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1NAoJ8)

Signature of the Candidate

Date:



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Konapur/Venages, Guntur Dist., Hyderabad, Telangana-500075, www.cbit.ac.in

UPEAC | NIRF | NAAC | AICTE | ISO 9001:2015

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years



CERTIFICATE OF APPRECIATION

This is to certify that Mr. / Ms. / Dr. Kiran Kumar Amireddy, Assistant Professor, Department of Mechanical Engineering is a **Coordinator** and in association with AICTE IDEA LAB successfully organized One Month Summer Internship Programme (SIP) on **"Python, Image Processing using OpenCV and Innovative Projects"** during 19th June-14th July 2023 at Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad – 500 075, Telangana, India.

Dr. U.K Choudhury
Technical Advisor-SIP

Dr. P. Prabhakar Reddy
Head, MED

Dr. C. V. Narasimhulu
Principal, CBIT

A One-Month Hybrid mode

AICTE IDEA LAB SIP on

Python, Image processing using Open CV and Innovative Projects

(19 June-14 July 2023)

Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING and AICTE IDEA
LAB**

Program Schedule:

Date	Topic	Faculty Name / Contact Information	
Week 1			
Inauguration on 19/06/2023			
1	19-06-2023	Significance of image processing / Introduction to Python, interfacing IDE	Dr. A. Kiran kumar/ Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
2	20-06-2023	Variable Creation Operators	Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
3	21-06-2023	Data types and associated operations	Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
4	22-06-2023	Conditional Statements	Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
5	23-06-2023	Loops	Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
Week 2			
1	26-06-2023	Tuple, Lists	Sri. M. Venkata Krishna Reddy Assistant Professor CSE CBIT
2	27-06-2023	Arrays, Strings	Sri. B. Ramana Reddy Assistant Professor

			CSE CBIT
3	28-06-2023	Sets, Dictionaries	Smt. E. Swathi Assistant Professor CSE CBIT
4	29-06-2023	GUI programming basics with tkinter, Build a basic calculator program in Python that performs arithmetic operations (project)	Dr. Naga Raja Prasad Goli Senior Asst. Professor MCA CBIT
5	30-06-2023	Data Visualization using Python Libraries Matplotlib and Seaborn	Smt. E. Ramalakshmi Assistant Professor IT CBIT
Week 3			
1	03-07-2023	Introduction to image processing using OpenCV, basic programs	Smt. Venkata Sushma Chinta Assistant Professor MED CBIT
2	04-07-2023	Image Cropper: Design a tool that allows users to select a region of interest in an image and crop it using OpenCV (project)	Dr. A. Kiran kumar Assistant Professor MED CBIT
3	05-07-2023	Disparities matching in design of Graphical models Image Filters: Apply various image filters, Draw shapes on the image	Sri. Varun Chandra Samudrala Senior software consultant, CAD vision Engineer Pvt ltd Smt. Venkata Sushma Chinta / Dr.A.Kiran kumar Assistant Professor MED CBIT
4	06-07-2023	Optical Character Recognition (OCR) (Project)	Dr. S. Praveena Associate Professor CSE MGIT
5	07-07-2023	Image Rotator (Project), Image Thresholding using OpenCV (Project)	Dr. T. Sridevi Associate Professor CSE CBIT
Week4			
1	10-07-2023	GUI programming using Python to develop a Contact Book (Project)	Mrs. I. Srujana Assistant Professor CSE CBIT isrujana_cse@cbit.ac.in
2	11-07-2023	Object Detection: Use OpenCV to	Dr. B. Swathi Sowmya

		detect and track objects in a live video stream. (Project)	Assistant Professor IT CBIT
3	12-07-2023	GUI programming using Python to develop Password Generator (Project)	Dr. Katta Suganya Assistant Professor IT CBIT
4	13-07-2023	Face Recognition: Develop a program that recognizes and identifies faces in images or live video streams using OpenCV. (Project)	Mrs. I. Srujana Assistant Professor CSE CBIT
5	14-07-2023	Valedictory	

REPORT

*A One-Month Hybrid mode
Summer Internship Program*

on

Python, Image processing using Open CV and Innovative Projects

(19 June-14 July 2023)

Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING and AICTE IDEA
LAB**

**Title: Report on Summer Internship Programme on Python, Image
Processing using OpenCV, and Innovative Projects**

Introduction:

The Mechanical Engineering Department in collaboration with AICTE IDEA LAB at Chaitanya Bharathi Institute of Technology (CBIT) organized a one-month summer internship program on "Python, Image Processing using OpenCV, and Innovative Projects." The program aimed to provide participants with a strong foundation in Python programming, image analysis, and practical skills using OpenCV. This report highlights the key aspects of the program and its successful implementation.

Program Details:

- Title: Summer Internship Programme (SIP) on "Python, Image processing using OpenCV and Innovative Projects"
- Duration: 19 June - 14 July, 2023
- Coordinators: Mrs. Venkata Sushma Chinta and Dr. Kiran Kumar Amireddy

Organizing Institution:

- Chaitanya Bharathi Institute of Technology (CBIT), Kokapet(V), Gandipet(M), Hyderabad, Telangana-500075
- Website: <http://www.cbit.ac.in>

Key Personnel:

- Chief Patron: Sri. N. Subash, President, CBIT
- Patron: Dr. P. Ravinder Reddy, Principal, CBIT
- Advisor: Prof. Umakant Choudhary, Director I&I, CBIT

- Convener: Dr. P. Prabhakar Reddy, HOD, Mechanical, CBIT
- Coordinators: Dr. Kiran Kumar Amireddy, Mrs. Venkata Sushma Chinta
- Co-Coordinators: Dr. B.V.S Rao, Mrs. E. Ramalakshmi

Program Objectives:

The program aimed to:

1. Provide basic knowledge of Python programming and image analysis using OpenCV.
2. Develop practical skills in Python programming and OpenCV, enhancing participants' employability.
3. Foster problem-solving abilities, critical thinking, and problem analysis skills through hands-on projects.
4. Demonstrate the real-world relevance of Python and OpenCV skills in various industries, including computer vision, image processing, artificial intelligence, and robotics.
5. Highlight career opportunities associated with Python and OpenCV skills.

Program Curriculum:

The internship program was structured into four weeks, covering the following topics:

Week 1: Basics of Python

Week 2: Sequence Data Type

Week 3: OpenCV

Week 4: Innovative Projects on Python and/or OpenCV

Program Highlights:

- Inauguration: The program commenced with an inaugural session on 19th June 2023.
- Expert Speakers:
 - The Summer Internship Programme (SIP) featured enlightening lectures from a total of 13 distinguished speakers, who shared their expertise on various topics. All the speakers delivered the content effectively, meeting the program's objectives. These sessions provided valuable insights and knowledge to the 20 participating faculty members and 40 students. The active engagement and enthusiastic participation of the faculty and students greatly benefited them, enhancing their skills and understanding in the respective areas of focus. The combined efforts of the speakers, faculty, and students made the SIP a highly impactful and rewarding experience for all involved.

Session Details and Importance:

Week 1: Basics of Python

- Session 1: Significance of image processing / Introduction to Python, interfacing IDE

Faculty: Dr. A. Kiran Kumar / Mrs. Venkata Sushma Chinta

Importance: This session set the foundation by introducing participants to the significance of image processing and providing an overview of Python programming and the IDE used for coding. Understanding the fundamentals of Python was crucial for the subsequent sessions.

- Session 2: Variable Creation, Operators

Faculty: Mrs. Venkata Sushma Chinta

Importance: Exploring variable creation and operators in Python allowed participants to grasp the core concepts of programming. This session facilitated hands-on practice and familiarized participants with essential programming constructs.

- Session 3: Data types and associated operations

Faculty: Mrs. Venkata Sushma Chinta

Importance: Understanding data types and their associated operations enabled participants to manipulate and work with different types of data efficiently. This knowledge formed the basis for further programming tasks and analysis.

- Session 4: Conditional Statements

Faculty: Mrs. Venkata Sushma Chinta

Importance: Learning conditional statements empowered participants to make decisions and control the flow of their programs. This session enhanced their problem-solving abilities and critical thinking skills.

- Session 5: Loops

Faculty: Mrs. Venkata Sushma Chinta

Importance: Mastery of loop structures provided participants with the ability to iterate over data and perform repetitive tasks. Loops are essential for efficient programming and are widely used in image processing and analysis.

Week 2: Sequence Data Type

- Session 1: Tuple, Lists

Faculty: Sri. M. Venkata Krishna Reddy

Importance: Understanding tuples and lists equipped participants with powerful data structures to store and manipulate collections of values. These concepts are vital for handling image data and performing operations on pixel values.

- Session 2: Arrays, Strings

Faculty: Sri. B. Ramana Reddy

Importance: Arrays and strings are fundamental in programming and image processing. This session focused on their usage and manipulation, enabling participants to work with multidimensional data and process textual information.

- Session 3: Sets, Dictionaries

Faculty: Smt. E. Swathi

Importance: Sets and dictionaries provided efficient data structures for storing and retrieving data. Participants learned how to utilize these structures for various tasks, including image analysis and feature extraction.

- Session 4: GUI programming basics with tkinter. Build a basic calculator program in Python that performs arithmetic operations (project)

Faculty: Dr. Naga Raja Prasad Goli

Importance: Graphical User Interfaces (GUI) play a crucial role in developing user-friendly applications. This session introduced participants to GUI programming using tkinter and enabled them to create a basic calculator, showcasing their problem-solving abilities.

- Session 5: Data Visualization using Python Libraries Matplotlib and Seaborn

Faculty: Smt. E. Ramalakshmi

Importance: Data visualization is essential for analyzing and interpreting image processing results. Participants learned to use Python libraries such as Matplotlib and Seaborn to create meaningful visual representations of data.

Week 3: OpenCV

- Session 1: Introduction to image processing using OpenCV, basic programs

Faculty: Smt. Venkata Sushma Chinta

Importance: This session introduced participants to OpenCV, a powerful library for image processing. They learned basic image manipulation techniques and acquired the skills needed for subsequent project-based sessions.

- Session 2: Image Cropper: Design a tool that allows users to select a region of interest in an image and crop it using OpenCV (project)

Faculty: Dr. A. Kiran Kumar

Importance: Through this project, participants applied their knowledge of OpenCV to develop a practical tool for image cropping. This project enhanced their problem-solving abilities and provided hands-on experience in implementing image processing algorithms.

- Session 3: Image Filters: Apply various image filters, draw shapes on the image, etc. (project)

Faculty: Smt. Venkata Sushma Chinta / Dr. A. Kiran Kumar

Importance: The project-based session focused on applying different image filters and drawing shapes on images using OpenCV. Participants gained practical experience in enhancing and manipulating images, honing their image analysis skills.

Disparities matching in design of Graphical models

Industry resource person: Sri. Varun Chandra Samudrala

Importance: Disparities matching in the design of graphical models plays a crucial role in various fields such as computer vision, robotics, and image processing. By understanding the importance of disparities matching, participants were able to develop a solid foundation in graphical models and enhance their image analysis skills.

- Session 4: Optical Character Recognition (OCR) (Project)

Faculty: Dr. S. Praveena

Importance: This project delved into the field of OCR, where participants developed a program capable of recognizing and extracting text from images. It exposed participants to advanced image processing techniques and their real-world applications.

- Session 5: Image Rotator (Project), Image Thresholding using OpenCV (Project)

Faculty: Dr. T. Sridevi

Importance: These projects allowed participants to explore image rotation and thresholding techniques using OpenCV. They developed practical skills in manipulating and enhancing images, preparing them for more complex image processing tasks.

Week 4: Innovative Projects

- Session 1. GUI programming using Python to develop a Contact Book (Project)

Faculty: Mrs. I. Srujana

Highlights:

- This project focused on utilizing Python's GUI programming capabilities to develop a contact book application.

- Participants learned to create an interactive user interface, implement contact management functionalities, and ensure data persistence.

- The project allowed participants to enhance their GUI programming skills and gain practical experience in building a useful application.

- Session 2. Object Detection: Use OpenCV to detect and track objects in a live video stream (Project)

Faculty: Dr. B. Swathi Sowmya

Highlights:

- This project involved using OpenCV to implement object detection and tracking algorithms in a real-time video stream.

- Participants learned to apply techniques such as Haar cascades, feature extraction, and bounding box detection.

- The project provided hands-on experience in computer vision and showcased the practical applications of OpenCV in object detection scenarios.

- Session 3. GUI programming using Python to develop a Password Generator (Project)

Faculty: Dr. Katta Suganya

Highlights:

- Participants were introduced to GUI programming in Python and used their skills to create a password generator application.

- The project involved generating secure passwords based on user-defined parameters, such as length and character sets.

- Participants gained experience in creating user-friendly interfaces and implementing algorithms for secure password generation.

- Session 4. Face Recognition: Develop a program that recognizes and identifies faces in images or live video streams using OpenCV (Project)

Faculty: Mrs. I. Srujana

Highlights:

- This project focused on implementing face recognition techniques using OpenCV.

- Participants learned about face detection, feature extraction, and face matching algorithms.

- The project allowed participants to develop a face recognition program capable of identifying individuals in images or live video streams, demonstrating the practical applications of computer vision.

- 5. Valedictory

- The internship program concluded with a valedictory session on 14th July 2023.

- The valedictory session provided an opportunity to celebrate the achievements of the participants and acknowledge their dedication and hard work throughout the program.

Attachments:

- Brochure of the program

SIP-Final Evaluation-Participants Response (Responses)

Timestamp	Email Address	Dr. Kiran Kumar Amredd	Mrs. Venkata Sushma Ci	Sri. M. Venkata Krishna Rbi
7/13/2023 19:10:34	anvithakalapalapu7@gmail.com	Excellent	Excellent	Very Good
7/13/2023 19:11:26	magnareddy26@gmail.com	Very Good	Very Good	Very Good
7/13/2023 19:11:31	charansaibillineni@gmail.com	Very Good	Very Good	Good
7/13/2023 19:11:49	lomaniyar@gmail.com	Excellent	Excellent	Very Good
7/13/2023 19:13:43	Isureshkumar_mech@cb	Excellent	Excellent	Excellent
7/13/2023 19:14:40	reddivs@gmail.com	Excellent	Excellent	Very Good
7/13/2023 19:16:59	vjaipalreddy_mech@cbit	Excellent	Excellent	Excellent
7/13/2023 19:20:49	sreejamadaka47@gmail	Very Good	Very Good	Excellent
7/13/2023 19:21:43	praneethcvm@gmail.com	Good	Excellent	Very Good
7/13/2023 19:23:32	venkateshwarrao_mech@	Excellent	Excellent	Excellent
7/13/2023 19:23:40	prkprasad_mech@cbit.a	Excellent	Excellent	Excellent
7/13/2023 19:32:15	s.amareshwaryadav63@	Excellent	Excellent	Excellent
7/13/2023 19:34:27	shanmukhamyithri@gma	Excellent	Excellent	Excellent
7/13/2023 19:34:28	aakashabhayankar@gm	Excellent	Excellent	Excellent
7/13/2023 19:48:54	snspraneeth@gmail.com	Very Good	Very Good	Very Good
7/13/2023 19:57:19	pkirankumar_mech@cbit	Excellent	Excellent	Excellent
7/13/2023 20:03:45	vishnutejapola@gmail.co	Excellent	Excellent	Excellent
7/13/2023 20:04:38	kssb990@gmail.com	Excellent	Excellent	Excellent
7/13/2023 20:14:48	wendymarla.marak@gmail	Excellent	Excellent	Very Good
7/13/2023 20:41:21	varuncnitw@gmail.com	Very Good	Very Good	Very Good
7/13/2023 20:42:46	bandijayanth7378@gmai	Very Good	Excellent	Good
7/13/2023 20:42:50	veerajyothi_it@cbit.ac.in	Excellent	Very Good	Good
7/13/2023 20:49:59	kirthikasunder07@gmai	Excellent	Excellent	Excellent
7/13/2023 22:40:23	dsmadhuri_mexh@cbit.a	Excellent	Excellent	Excellent
7/13/2023 23:27:44	munigayathri9035@gmai	Very Good	Excellent	Good
7/14/2023 8:02:24	kgiridharreddy2022@gm	Excellent	Very Good	Very Good
7/14/2023 8:39:36	rpchowdary_mech@cbit	Excellent	Excellent	Very Good
7/14/2023 8:56:46	munigayathri9035@gmai	Very Good	Excellent	Very Good
7/14/2023 9:39:24	glaxmaiah_mech@cbit.a	Excellent	Excellent	Excellent

Sri. B. Ramana Reddy (Smt. E. Swathi (Topic : Dr. Naga Raja Prasad C Smt. E. Ramalakshmi (Mr. Samudrala Varun C- Dr. S. Praveena (Topic :

Very Good	Very Good	Good	Excellent	Excellent	Excellent
Very Good	Good	Very Good	Very Good	Very Good	Very Good
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Very Good	Very Good	Excellent	Very Good	Excellent	Very Good

Dr. T. Sindevi (Topic: In	Mrs. I. Sujana (Topic:	Dr. B. Swathi Sowmya (T	Dr. Katta Suganya (Top	Mrs. I. Sujana (Topic: I	Is this Internship topic is
Excellent	Excellent	Excellent	Excellent	Excellent	Yes
Very Good	Very Good	Very Good	Very Good	Very Good	Yes
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Excellent	Excellent	Excellent	Excellent	Excellent	Yes
Excellent	Excellent	Very Good	Excellent	Excellent	Yes
Excellent	Excellent	Excellent	Excellent	Excellent	Yes
Good	Very Good	Very Good	Very Good	Very Good	Maybe
Very Good	Very Good	Very Good	Very Good	Very Good	Yes
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Excellent	Excellent	Excellent	Excellent	Excellent	Yes
Excellent	Excellent	Excellent	Excellent	Excellent	Yes
Excellent	Excellent	Excellent	Excellent	Excellent	Maybe
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Very Good	Very Good	Very Good	Very Good	Very Good	Yes
Excellent	Excellent	Very Good	Excellent	Excellent	Yes

	Is the topics covered in it	We value your feedback. Would you	Overall Rating of the SIP	Any suggestions to the coordinators
Yes	yes anything on ai or ml or data man		5	no
Yes	Yes, may be on other courses like D		5	No
Yes	not decided any st		3	N/A
Yes	Something in core so that it can be z		5	No
Yes	Yes		5	NI
Yes	Yes ML applications using python		5	The session were planned and executed perfectly
Yes	yes		5	NIL
Yes	yes		4	nil
Yes	3D Modelling, Solid works		4	No
Yes	cloud computing		5	Very good
Yes	Yes		5	Very good
Yes	Yes,It was very helpful and interacti		1	Duration is more like it is 2 hours...it could be lesse
Yes	yes, electronics topics like Arduino c		5	would recommend offline classes occasionally as v
Yes	Yes, Java programming with AI appl		5	Please do not keep attendance mandatory
Yes	Robotics		4	Very good sessions
Yes	Yes		5	Better if it is in offline mode with hands on sessions
Yes	yes and we are interested in full star		4	no
Yes	More Intership on software engineer		5	No thanks
Yes	3D printing		5	-
Yes	good		4	good work
Yes	Java ,web development and DSA		4	Please upload the recording video's so that if we m
Yes	Yes		4	Good
Yes	Yes		5	No
Yes	Yes		5	NIL
Yes	Yes,,JAVA ,WEB DEVELOPMENT A		3	Nothing
Yes	Yes. I would also like to attend a pro		4	Live classes would be more interactive and resourt
Yes	Yes		1	NIL
Yes	Yes		4	No
Yes	control systems		5	Professionally organised

Capacity Building Program






“School to Industry”

Capacity building program curated for school students to introduce innovative mindset and new manufacturing technologies. Exposure visit to IdeaLab and AICTE-CBIT facility.



 09th December 2022

 CBIT, Gandpet

 Participating schools

- 10 Government schools (CBT Nagar, Anubandh, Golconda Road/Padu, Hyderabad, Basolepuri, Chennigat, Anasapur, Vengal Rao Nagar, SRI Kanchigadda)
- The Hyderabad Public School
- St. Ann's Girls High School

A one day programme was organised at CBIT on behalf of AICTE Idea Lab for school students

Totally, 100 students from 10 Government schools have participated in the programme. And also students from Hyderabad Public School and St Anns' Girls High School, Vijayanagar Colony have participated in the programme.

A session on Design Thinking was conducted by Mr Shravan Kumar Students were also shown AICTE Idea Lab facilities like 3D printers, Arduino boards, various sensors and assembly equipment for

CBIT-AICTE Idea Lab (Robotics and Drone Section)



Capacity Building Program



"School to Industry"

Capacity building program curated for school students to introduce innovation mindset and new manufacturing technologies.
Exposure visit to IdeaLab and ACIC-CBIT Facility



📅 09th December 2022

📍 CBIT- Gandpet

📋 Participating schools

- 10 Government schools (NBT Ilapor, Anavara's, Colleen's Ramdipudi, Hyderabad, Razolebora, Annapurna, Bantelket, Vengal Apo Nagar, GHS Kachigudi)
- The Hyderabad Public School
- St. Ann's Girls High School

A one day programme for School Students and Teachers

- A one day programme was organised at CBIT on behalf of AICTE Idea Lab for school students
- Totally, 100 students from 10 Government schools have participated in the programme. And also students from Hyderabad Public School and St Anns' Girls High School, Vijayanagar Colony have participated in the programme.
- A session on Design Thinking was conducted by Mr Shravan Kumar
- Students were also shown AICTE Idea Lab facilities like 3D printers, Arduino boards, various sensors and assembly equipment for Robotics.







Awareness Program



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (AI)
Kannanur, Hyderabad, Karnataka, India

44
YEARS

Open Day For School Students Under IDEA Lab

- Session 1 : Awareness In Innovation and Design Thinking
- Session 2 : Lab Visit

School to Industry



- 📅 23rd January 2023
- 📍 CBIT - Gandipet
- 🏫 Participating School
➤ Vidya Vikas High School

Programme for Vidya Vikas School Students

- A half day programme was conducted for students of Vidya Vikas High School, Kannapur, Hyderabad on 23 Jan'2023 .
- An awareness session on Design Thinking and Additive manufacturing (3D Printing) was conducted.
- Also the students were shown with different Labs, like 3D Printing, Drone lab and Machine Tools lab etc.,
- Totally 60 students have participated in the Programme.



CBIT-AICTE Idea Lab in News

అకర శకం
ఆంధ్ర ప్రదేశ్

మంగళవారం 24, మే 2020

10వ తరగతి విద్యార్థులు సీజీబీ కళాశాల సందర్శన



అల్ల సీజీబీ కళాశాలలో ఆదిత్య 28 బాలికలతో కూర్చున్న 10వ తరగతి విద్యార్థులు సీజీబీ కళాశాలను సందర్శించారు. విద్యార్థులకు అనేక విషయాలు తెలిపారు. విద్యార్థులకు అనేక విషయాలు తెలిపారు. విద్యార్థులకు అనేక విషయాలు తెలిపారు.

విద్యార్థులకు అనేక విషయాలు తెలిపారు. విద్యార్థులకు అనేక విషయాలు తెలిపారు. విద్యార్థులకు అనేక విషయాలు తెలిపారు.



Robotics



Awareness Program



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY
GANDIPET, HYDERABAD, TELANGANA, INDIA



Open Day For School Students Under IDEA Lab

School to Industry

Session 1 : Awareness In Innovation and Design Thinking

Session 2 : Lab Visit

📅 23rd January 2023

📍 CBIT - Gandipet

🏫 Participating School
➤ Vidya Vikas High School



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10వ తరగతి విద్యార్థులు సీబీఐటీ కళాశాల సందర్శన



అల్లం జిల్లా ప్రాంతంలో ఉన్న 10వ తరగతి విద్యార్థులు సీబీఐటీ కళాశాలకు సందర్శనకు వెళ్లారు. అల్లం జిల్లాలోని వివిధ కళాశాలల నుండి వచ్చిన విద్యార్థులు సీబీఐటీ కళాశాలను సందర్శించి విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు.

ప్రైవేట్ ప్రాజెక్ట్ కళాశాలలో వారి అధ్యయన మరియు క్రీడలకు సంబంధించిన వివరాలు తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు. కళాశాలలో ఉన్న విద్యార్థులకు విద్యా సౌకర్యాలను తెలియజేశారు.

PROGRAMME REPORT

FDP DT [AICTE IDEA Lab]

-Ayushi Chaturvedi, Student Coordinator, IDEA Lab

2023-23

The AICTE IDEA Lab of Chaitanya Bharathi Institute of Technology recently hosted a week-long Faculty Development Programme from 24th to 28th April 2023. The programme was coordinated by Dr. B.V. S. Rao and Dr. P. Satish, faculty coordinators of IDEA Lab, CBIT. The event was aimed at providing a technological extravaganza designed to enhance the skills and knowledge of the faculty members. The programme was a great success and was attended by distinguished speakers, technical experts, and faculty members from various institutions.

The inaugural ceremony was held on 24th April 2023, and it was graced by the presence of Dr. L. Sivaramkrishna, the chief guest, who delivered a lecture on "Digital Manufacturing for Innovative Product Development". The participants, faculty members and students, were also given the opportunity to try their hands on designing in Solidworks, which proved to be an excellent creative exercise.

Day 2 was equally exciting, with Dr. G. Chandramohan Reddy delivering a guest lecture on "Digital Manufacturing and its Industry Applications". Dr. Umakanta Chowdhury, the Technical Advisor of the AICTE IDEA Lab of CBIT, delivered an address on "Prototyping and Technology Readiness", taking the participants on a journey of discovery. They also had hands-on sessions on 3D printing using Flashprint, the resulting models of which were an absolute delight to witness.

Day 3 was the highlight of the event, with the participants visiting RamTech Industries, located in Cherlapally, Hyderabad. They were exposed to 5-axis and 7-axis turn mills from Japan and Germany, which was nothing short of a visual treat. The participants learned about CNC operations, witnessed injection moulding, laser engraving, and the arrival of the first Ultrasonic Machining Center of the country. The experience was inspiring to all the presentees.

Day 4 was all about IoT and its applications, with Dr. M. Shyam Sunder delivering a guest lecture on the realm of Internet of Things. The participants had hands-on sessions on TinkerCAD and interfacing of various sensors on the Arduino board. It was quite a challenge, but the participants rose to the occasion.

Day 5 was the perfect grand finale to the event, with Dr. D. Krishnamohan delivering a guest lecture on the overview of NodeMCU and its applications. The participants were also given hands-on sessions on NodeMCU, which was an absolute delight.

The programme concluded with the valedictory function, which was graced by the presence of Mr. Sitaram Geddam, an alumnus of CBIT (Batch of 1992), as the chief guest.



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

A Report on
Faculty Development Programme
On
Establishment & Management of
Business Incubators
(14-18 March 2023)
Organized by
Entrepreneurship Development Cell, CBIT

2022-23



Entrepreneur "rising" ideas



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EDUCATION

44
years

FACULTY DEVELOPMENT PROGRAMME



ON

Establishment and Management

OF

Business Incubators

14-03-2023 To 18-03-2023

Organized by

Entrepreneuership Development cell



Chaitanya Bharathi Institute of Technology (A)

Fig : Poster - Faculty Development Programme On Establishment & Management of Business Incubators (14-18 March 2023)

Convener	Dr. P.Prabhakar Reddy, Professor & Head, Department of Mechanical Engineering, CBIT
Coordinator	Ms V.Sandhya, Assistant Profesor, Department of Mechanical Engineering, CBIT
Coordinator	Dr. K.Prasad Babu, Assistant Professor, Department of Chemical Engineering, CBIT

నిర్వహణపై అధ్యాపకులకు

వృద్ధి చేసే కార్యక్రమం.

మీరు
సహజ
ప్రకృతి
అర్జునం
వి. బి. డి.
యం. ముఖ్య
మాత్రాధికారి,
యం. బి.



అందరికీ భారత ప్రభుత్వం అందిస్తున్న వివిధ కార్యక్రమాల గురించి
అని ఈ కార్యక్రమ ప్రాధికారి డాక్టర్ పి. రవీందర్ రెడ్డి తెలిపారు.
అని కార్యక్రమ ప్రాధికారి డాక్టర్ పి. రవీందర్ రెడ్డి తెలిపారు.
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అని కార్యక్రమ ప్రాధికారి డాక్టర్ పి. రవీందర్ రెడ్డి తెలిపారు.

Fig: Inaugural of FDP in news paper

వ్యవస్థాపకత వాటి నిర్వహణపై అధ్యాపకులకు విజ్ఞాన అభివృద్ధి చేసే కార్యక్రమం.

(ప్రజావినికిడి, మొహరిపట్నం):

ఎన్ఐ-యూఎస్ యువ్ కు
స్పాస్పర్ చేస్తున్న వ్యవస్థాపకత
మరియు వాటి నిర్వహణపై ఫ్యాకల్టీ
డెవలప్ మెంట్ కార్యక్రమం
మంగళవారం రోజు ఏ బి ఐ సి
కళాశాల లో ప్రారంభమైంది. ముఖ్య
అతిథి గడ్డం సుదర్శన్ మాట్లాడుతూ,
ఎన్ఐ-యూఎస్ యువ్ కు



ఇంక్యుబేషన్ ప్రోత్సహించడానికి భారత ప్రభుత్వం అందిస్తున్న వివిధ కార్యక్రమాల గురించి వివరించారు. కళాశాల లో గల ఎంటర్ప్రెన్యూర్షిప్ డెవలప్ మెంట్ సెల్ ఈ కార్యక్రమం ను నిర్వహిస్తున్నది అని కళాశాల ప్రిన్సిపాల్ డాక్టర్ పి.రవీందర్ రెడ్డి తెలిపారు మాట్లాడుతూ, దేశాభివృద్ధికలో అవిష్కరణలు మరియు ఇంక్యుబేషన్ అవశ్యకత గురించి చెప్పారు. ఐ అండ్ ఐ డైరెక్టర్ ప్రొఫెసర్ యు.కె. చౌదరి మాట్లాడుతూ, శిశువు జన్మించినప్పుడు, ఆతను/ఆమెను మొదటి కొన్ని గంటలు మరియు కొన్ని రోజులు ఇంక్యుబేటర్ లో ఉంచుతారు - ఇది బయటి వాతావరణానికి సర్దుబాటు చేసే అవకాశాన్ని అస్తుంది మరియు వారు బయటి ప్రపంచాన్ని ఎదుర్కోవటానికి ఎంతో ఉపయోగపడుతుంది ! అదే విధంగా, ఒక స్టార్టప్ ఇంక్యుబేషన్ సెంటర్ లో ఇంక్యుబేట్ చేయటం ధ్వారా వారు ప్రపంచానికి చేరుకోవడానికి ముందు వారి వ్యాపారాన్ని ఒక ఆకృతిలోకి తీసుకురావడానికి వారికి ఒక అవకాశం ఇస్తుంది అని తెలిపారు. ఈ కార్యక్రమ కన్వీనర్ ప్రొఫెసర్ ప్రభాకర్ రెడ్డి కళాశాలలో జరుగుతున్న వ్యవస్థాపక కార్యక్రమాలను వివరించారు.

Fig: Inaugural of FDP in news paper

SCHEDULE

Session/Time	Theme
14 March 2023	
Session 1 9.30 hrs to 11.00 hrs	Registration & Inauguration Promotion of Innovation through Business Incubators
11.00 hrs to 11.30 hrs	Tea Break
Session 2 11.30 hrs to 13.00 hrs	SME Promotion through Skill Development
13.00 hrs to 14.00 hrs	Lunch
Session 3 & 4 14.00 hrs to 17.30 hrs	Presentation/ Experience sharing by participants
15 March 2023	
Session 1 9.30 hrs to 11.00 hrs	Introduction to IPR
11.00 hrs to 11.30 hrs	Tea Break
Session 2 11.30 hrs to 13.00 hrs	Role of Intellectual Property Facilitation Centre in promoting Innovation
13.00 hrs to 14.00 hrs	Lunch
Session 3 & 4 14.00 hrs to 17.30 hrs	Institution as Incubator to promote Innovative Businesses Managing Incubators: Incubation Policies, Services & Partnerships
16 March 2023	
Session 1 9.30 hrs to 11.00 hrs	Government Schemes and Programmes to set-up Incubation Centers & Financing Innovative Businesses
11.00 hrs to 11.30 hrs	Tea Break
Session 2 11.30 hrs to 13.00 hrs	Government Schemes and Programmes to set-up Incubation Centers & Financing Innovative Businesses
13.00 hrs to 14.00 hrs	Lunch
Session 3 & 4 14.00 hrs to 17.30 hrs	Characteristics, Structure and Establishment of Business Incubator
17 March 2023	
Session 1 9.30 hrs to 11.00 hrs	Managing Incubators: Techno-managerial services through Mentoring and networking
11.00 hrs to 11.30 hrs	Tea Break
Session 2 11.30 hrs to 13.00 hrs	Case Study on Managing Business Incubators
13.00 hrs to 14.00 hrs	Lunch
Session 3 & 4 14.00 hrs to 17.30 hrs	Cluster Development Approach and Promoting Innovation in Cluster
18 March 2023	
Session 1 & 2 9.30 hrs to 13.00 hrs	Project Feasibility & Preparation of Business Plan
13.00 hrs to 14.00 hrs	Lunch
Session 3 14.00 hrs to 15.30 hrs	Presentation by Participants
Session 4	Feedback & Conclusion

16.00 hrs to 17.30 hrs

FDP on Establishment & Management of Business Incubators- SCHEDULE

Session/Time	Theme
14 March 2023	
Session 1-9.30 hrs to 11.00 hrs	Registration & Introduction, Promotion of Innovation through Business Incubators
11.00 hrs to 11.30 hrs	Tea Break
Session 2- 11.30 hrs to 13.00 hrs	SME Promotion through Skill Development
13.00 hrs to 14.00 hrs	Lunch
Session 3 & 4 - 14.00 hrs to 17.30 hrs	Presentation Experience sharing by participants
15 March 2023	
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11.00 hrs to 11.30 hrs	Tea Break
Session 2-11.30 hrs to 13.00 hrs	Role of Intellectual Property Facilitation Centre in promoting innovation
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Session 4 - 16.00 hrs to 17.30 hrs	Feedback & Conclusions