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3.3.2 Details of Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development during the year

S. No.	Name of the Workshop/ Seminar	Page No.
1	Alumni Talk-Seminar on "Characterizations of Novel mutations in Spleen Tyrosine kinase (SYK)"	1-7
2	Alumni Talk-Seminar on "Brief overview of cell culture process development of biosimilars"	8-25
3	Alumni Talk-Seminar on "Awareness of Career Prospects in Public Health and Biotechnology"	26-30
4	Alumni Talk-Seminar on "Biopharmaceuticals Market"	31-45
5	Techniques in Biochemistry, Immunology and Microbiology	46-52
6	Report on Orientation Session regarding the Placement Preparation, Building and Preparation of Resume	53-68
7	Innovation IT applications in the domain of Bi-Informatics,and importance in Life Science.	69-70
8	Innovations for Bharat	71-72
9	World Creativity and Innovation Day	73-76
10	IPR Awareness, Drafting and Filing	77-115
11	Innovation Day	116-122
12	Session on Achieving Problem-Solution Fit Product-Market Fit	123-131
13	Workshop on Design Thinking, Critical thinking and Innovation Design	132-133
14	Innovation and Sustainable development Technology for Process Industries.	134-136
15	Organising Innovation & Entrepreneurship Outreach Program in Schools/Community	137-138
16	Ideathon Empowering Minds with AI	139-140
17	Workshop on Entrepreneurship and Innovation as Career Opportunity	141-143
18	HACKATHON IDEA TO PROBLEM SOLVING	144-161
19	IIC & YUKTI Innovations	162-163
20	Session on Problem Solving and Ideation Workshop	164-168
21	Innovative Bio electrochemical Systems, A versatile process for environmental abatement for sustainability	169-171
22	My Story- Motivation Session by Alumni Talk on "Success Story - Journey from Institute to Industry, Innovations & Opportunities towards Technologies"	172-173
23	Design Thinking Process and Application	174-176
24	AI In Healthcare, Robotics, and Biology.	177-178
25	Innovation and advancement in the Electronics area for product development in the Strategic Sector.(Electronic warfare)	179-182
26	NEP ki Samajh Celebrating 3 years of Implementation of NEP 2020	183-194
27	Innovation In Biodegradable Alternative to Plastic to address sustainability	195-197
28	Innovation & Technological Trends in IT-Global Opportunities and interaction.	198-200

CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in

ISO Certified 9001:2015

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. I/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.

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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 5th 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 treatnent, 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

- Mutations and its importance has been understood
- Spleen Tyrosine kinase (SYK) and its role in different malignancies

Snapshot during the session

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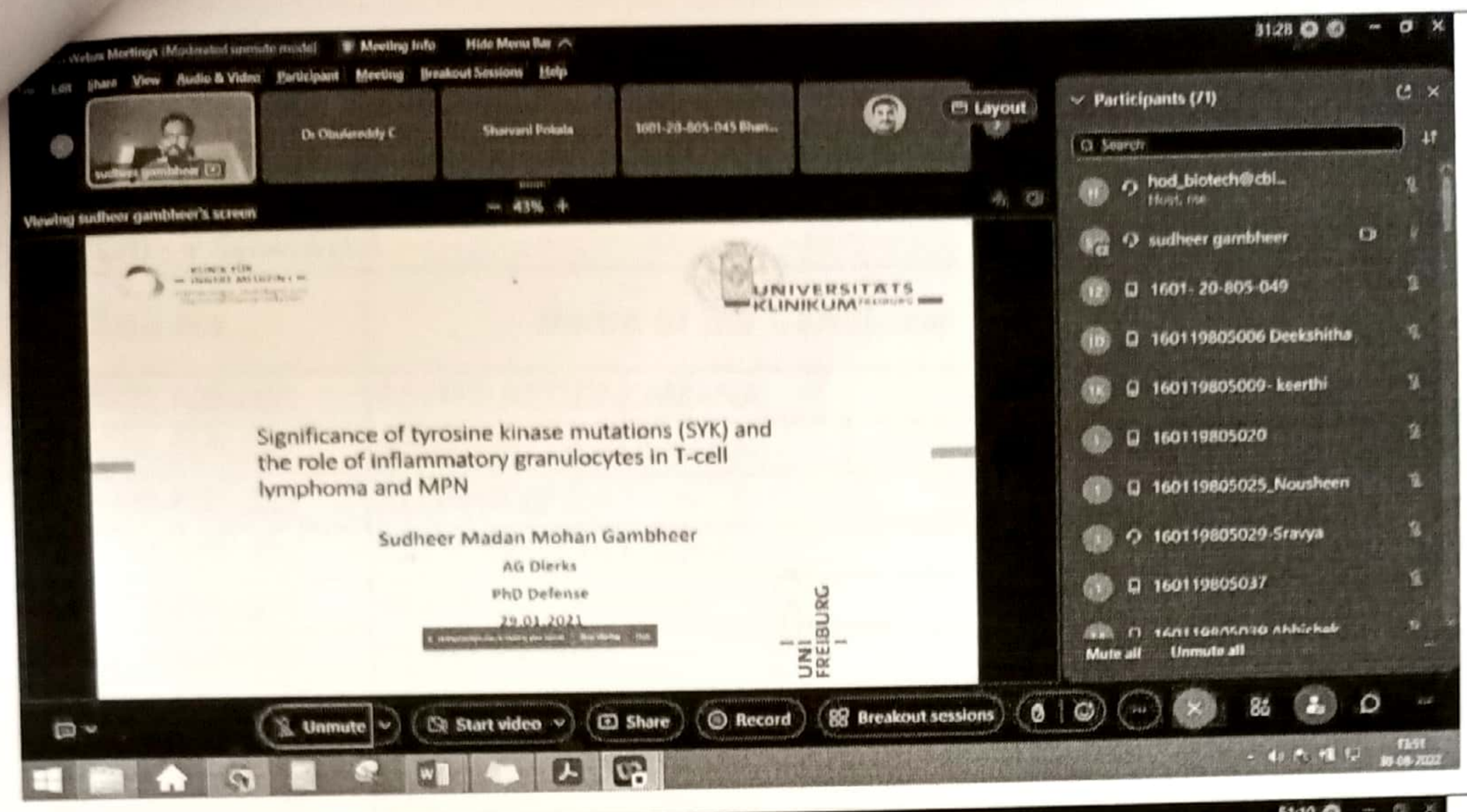
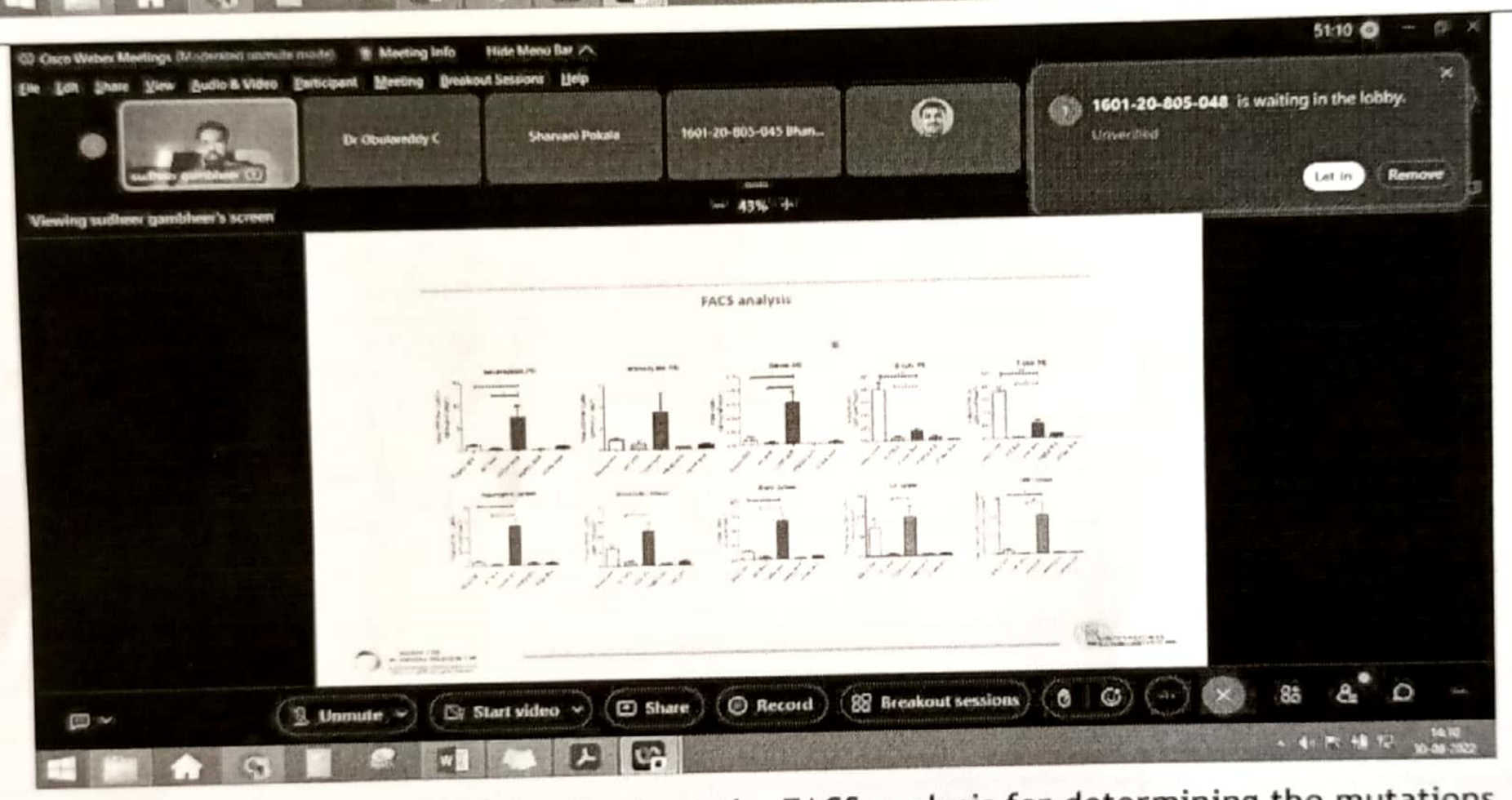
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.





Dr Madan Mohan giving brief details about the FACS analysis for determining the mutations

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

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

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

Dr. Y. Rajasri
Associate Professor and Head, Biotechnology

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Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Department of Biotechnology

B.Tech. (BIOTECH) - V SEMESTER

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

	1601-20-805-044	BALAJI DOOLAM	P
	1601-20-805-045	BHANU PRAKASH THIRUNAGARI	P
	1601-20-805-046	CHENNA KESHAVA CHARAN MATTA	P
44	1601-20-805-047	DINESH REDDY PATLOLLA	
45	1601-20-805-048	DIVYAMSHU SURABHI	P
46	1601-20-805-049	GOURAV T	P
47	1601-20-805-050	HARISH POLE	P
48	1601-20-805-051	HRITHIK KOLLURU	P
49	1601-20-805-052	KALLURI CHETAN BABU	P
50	1601-20-805-053	METTU VIKKI KUMAR	P
51	1601-20-805-054	MIHIR CHANDRA MADASU	P
52	1601-20-805-055	RAKESH REDDY NARU	P
53	1601-20-805-056	SAI CHANDRA VARNA KORRAPATI	
54	1601-20-805-057	SAI PRATHIB DIDUGU LALITHA KUMARI	P
55	1601-20-805-058	SAMANTH CHINTHAKINDHI	P
56	1601-20-805-059	SUMANTH RAO MAMIDI	P
57	1601-20-805-060	YASHASVI KAMBHAMPATI	P

I/C Head
Dept.of Biotechnology

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Department of Biotechnology

Biotech: VIIth Semester

Batch:2019-2023

S.No	Roll No.	Name of the Student	Attendance
1	1601-19-805-001	AISHWARYA CVS	P
2	1601-19-805-002	AMULYA ADAVALLI	P
3	1601-19-805-003	ANUSHKA BERA	P
4	1601-19-805-004	BHAVYA T	P
5	1601-19-805-005	CHIKITHA ANDELA	P
6	1601-19-805-006	DEEKSHITHA MEGAVATH	P
7	1601-19-805-008	KAVYA DONGA	P
8	1601-19-805-009	KEERTHI JANARDHAN	P
9	1601-19-805-010	KRUSHE MUNDRU	P
10	1601-19-805-011	LAHARI MEKALA	P
11	1601-19-805-012	MAHITHA PYLA	P
12	1601-19-805-013	MANISHA REDDY GAVINI	P
13	1601-19-805-014	MARY KAREN BELLAPURLA	
14	1601-19-805-016	NAVYA SREE DUGGI REDDY	P
15	1601-19-805-017	RAVALIKA SHEKKAR	P
16	1601-19-805-018	RISHIVIKA SHRUTHI VANKADARA	P
17	1601-19-805-019	ROHINI REDDY VENKANNAGARI	P
18	1601-19-805-020	RUTHIKA RASALA	P
19	1601-19-805-021	SAI SAHITHI M	
20	1601-19-805-022	SAMHITHA C	P
21	1601-19-805-023	SANJANA KANKIPATI	P
22	1601-19-805-024	SATYA NAGALAKSHMI MOUNIKA KAVURI V S	P
23	1601-19-805-025	SHAIK NOUSHEEN	P
24	1601-19-805-026	SHIVANI HAZARI	P
25	1601-19-805-027	SHIVANMITHA GUDIPATI	P
26	1601-19-805-029	SRAVYA KUNAPARAJU	P
27	1601-19-805-030	SRI HARSHINI KOTHAMASU	
28	1601-19-805-031	SRUTHI REDDY SOMPURAM	P
29	1601-19-805-032	SUSHMA EUNICE REKALA	P
30	1601-19-805-033	VAISHNAVI MOKKAPATI	P
31	1601-19-805-034	VAISHNAVI PUNNA	P
32	1601-19-805-035	VAMSHI PRIYA BIRRE	P
33	1601-19-805-036	VARSHINI UPPUTERLA	P
34	1601-19-805-037	VENIYA GOLTHI	P
35	1601-19-805-038	ABDUL MUQEETH	P
36	1601-19-805-039	ABHISHEK NAIK KANSOTH	P
37	1601-19-805-040	AVINASH THAMMANABOINA	
38	1601-19-805-041	BHANU SHANKAR DHULIPALLA	P
39	1601-19-805-042	CALEB JOEL RAJ J	P

	1601-19-805-045	DILIP KUMAR GOLLAMONI	P
	1601-19-805-046	JEREMIAH PAUL GORREMUCHU	P
	1601-19-805-047	LIKHIT SAI PHANI CHOWDARY N	P
43	1601-19-805-049	MUKTANANDA KARNAM	P
44	1601-19-805-050	PRASHANTH KUMAR BALAM	P
45	1601-19-805-051	RITHWIK VARDINENI	P
46	1601-19-805-053	SAI RAM ALLUM	P
47	1601-19-805-055	SATYANARAYANA REDDY MARUDI	
48	1601-19-805-056	SUMEET CHENNA	P
49	1601-19-805-057	VEERABHADRAM BANOTHU	P
50	1601-19-805-058	VENKATESHH MALAVATHU	P
51	1601-19-805-059	YASHIR DURAIRAJAN	P
52	1601-19-805-060	SAHITHI BATHULA	P
53	1601-18-805-004	DEDEEPYA ADICHERLA	P

Head of Departm
Biotechnolo

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Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075

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. 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.

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075

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

A BRIEF REPORT
On
Biotechnology-Alumni Talk conducted on **17.11.2022; 02:45 to 03:30 PM**

Name of the Knowledge Partners	Ms D. Sai Harshitha (2020 batch of Bio-Technology)
Designation	Research Associate –Downstream Process Development, Dr Reddy's Laboratory, Hyderabad
Topic of presentation	**Overview of Downstream Process Development of Monoclonal Antibodies**
Venue	**M-002, Biotechnology Seminar Hall**

Overview of Session

Ms D. Sai Harshitha, Research Associate –Downstream Process Development, Dr Reddy's Laboratory, Hyderabad, has given a brief overview of the Downstream Process Development of Monoclonal Antibodies.

- Briefed about the biosimilars, and various steps involved in the optimization of downstream processes in MABs processing for ensuring product quality, yield and sterility.
- Given insights into various purification methods such as:
  - Chromatography techniques for the separation of a mixture into its components.
  - It includes affinity, Cation exchanger, Anion exchange, and Size-exclusion chromatography techniques.
  - AKTA systems, FPLC (Fast protein Liquid chromatography.
  - Briefed about the role of resins and columns in the purification of the recombinant proteins.
- Explained the process and product-related impurities.
  - The process-related impurities include host cell proteins, host cell DNA and Protein A leachates. Whereas product-related impurities include Aggregates/HMWs, LMWs, and acidic and basic variants.
- Given an overview of MABs production of Upstream and downstream processes.
-

Target Participants: All the students of B.Tech Biotechnology (2nd, 3rd and 4th year students) and Faculty members of Biotechnology department have attended the session.

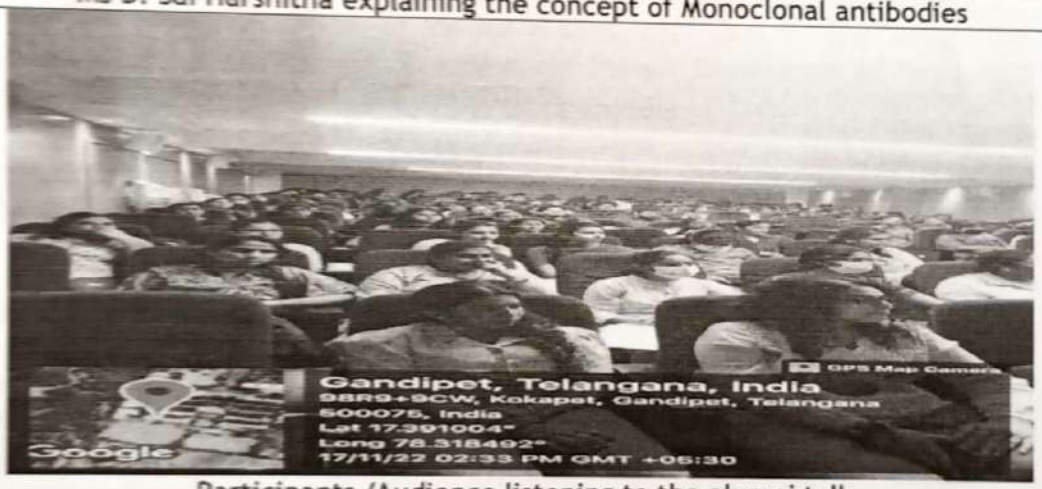
Outcome of the Session

- Upstream and Downstream process development
- Product analytics and Bio-analytics
- Formulation development and
- Manufacturing

Snapshot during the session

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Ms D. Sai Harshitha explaining the concept of Monoclonal antibodies



Participants /Audience listening to the alumni talk

17/11/2022

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

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

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

Dr. Y. Rajasri
Associate Professor and Head, Biotechnology

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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	1601-21-805-001	ALEKHYA PASUMARTHY	
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	
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	
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	
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	
16	1601-21-805-016	J KAVYASRI	
17	1601-21-805-017	JANGALA HARI PRIYA	
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	
21	1601-21-805-021	KEERTHANA NALLA	
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	
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	
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	
28	1601-21-805-028	MEDISETTY RASHMI	
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	
35	1601-21-805-036	REKHAM POOJITHA	
36	1601-21-805-037	REMALLA PRIYANKA	
37	1601-21-805-038	ROSHINI PERUMAL	
38	1601-21-805-039	SHREYA TATI	
39	1601-21-805-040	THODE NEHA	
40	1601-21-805-041	THOGARI RASHMITHA	
41	1601-21-805-042	VAISHNAVI GANGAPURI	
42	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	
43	1601-21-805-044	VISLAVATH SNEHA	
44	1601-21-805-045	VUYYURU HASANTHI	
45	1601-21-805-046	YAKKANTI VAISHNAVI	
46	1601-21-805-047	ADVAITH ROY	
47	1601-21-805-048	DHRUV TADIKONDA	
48	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	
49	1601-21-805-050	GILKAPALLY KOUSHIK	
50	1601-21-805-051	GUGULOTH BHASKAR	
51	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	

17/11/2022

B.Tech (Biotech) - III Sem, 2022

52	1601-21-805-053	HANOK ADITYA K	
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	
54	1601-21-805-055	KUNAM SAI SUNDER	
55	1601-21-805-056	MANIKONDA 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	
60	1601-21-805-061	SAVARKAR SHIVA PRASAD	Shiva
61	1601-21-805-062	SHUMAYL MOHAMMED SAMI	
62	1601-21-805-063	SYED ZUBER ALI	
63	1601-21-805-064	TOGANTI KRANTHI	

HOD
Dept.of Biotechnology

B.Tech (Biotech) - V Sem, 2022 17/11/22

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	
2	1601-20-805-002	AISHWARYA KULKARNI	
3	1601-20-805-003	ALWINA G	
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5	1601-20-805-006	BODIKA SHYNISHA	
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7	1601-20-805-008	CHUNDURU SAI HARI HARA SUDHESHNA	
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9	1601-20-805-010	FOUZIA RAFATH SHAIK	
10	1601-20-805-012	HAMSINI KATLA	
11	1601-20-805-013	JYOTHIKA MEENAKSHI KAMBHAMPATI	
12	1601-20-805-014	KAVYA PASIRIKA PATHIPAKA	
13	1601-20-805-016	NAGA VENKATA SUJATHA KOLLURU	
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18	1601-20-805-021	SANJANA REDDY PAILLA	
19	1601-20-805-022	SATHVIKA KURUVELLA	
20	1601-20-805-023	SHARVANI POKALA	
21	1601-20-805-024	SHIVANI REDDY KAPPATI	
22	1601-20-805-025	SHREECHANDRA SALUKUTI	
23	1601-20-805-026	SHREENIJA PERI	
24	1601-20-805-027	SHREYA BANALLA	
25	1601-20-805-028	SHRIYA REDDY PATLOLLA	
26	1601-20-805-029	SNEHA B	
27	1601-20-805-030	SOUBORNI NANDY	
28	1601-20-805-031	SOUMYA MANDALA	
29	1601-20-805-032	SPOORTHI SADA	
30	1601-20-805-033	SRAVANI NEELAM	
31	1601-20-805-034	SRI VARSHA VANGA	
32	1601-20-805-035	TANMAYI BOREDA	
33	1601-20-805-036	UMAMAH FATIMA SYEDA	
34	1601-20-805-037	V SHREYA SHARMA	
35	1601-20-805-038	VENNELA LAKAVATH	
36	1601-20-805-039	AKASH GADDAM	
37	1601-20-805-040	ALLOJU ABHISHEK	
38	1601-20-805-041	ANIRUDDHA SREERAM BOBBILI	
39	1601-20-805-042	ASHISH RAMAGALLA	
40	1601-20-805-043	BADHE NITIN RATNAM	

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	
42	1601-20-805-045	BHANU PRAKASH THIRUNAGARI	
43	1601-20-805-046	CHENNA KESHAVA CHARAN MATTA	
44	1601-20-805-047	DINESH REDDY PATLOLLA	
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47	1601-20-805-050	HARISH POLE	
48	1601-20-805-051	HRITHIK KOLLURU	
49	1601-20-805-052	KALLURI CHETAN BABU	
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51	1601-20-805-054	MIHIR CHANDRA MADASU	
52	1601-20-805-055	RAKESH REDDY NARU	
53	1601-20-805-056	SAI CHANDRA VARNA KORRAPATI	
54	1601-20-805-057	SAI PRATHIB DIDUGU LALITHA KUMARI	
55	1601-20-805-058	SAMANTH CHINTHAKINDHI	
56	1601-20-805-059	SUMANTH RAO MAMIDI	
57	1601-20-805-060	YASHASVI KAMBHAMPATI	

I/C Head
Dept.of Biotechnology

B. Tech (Biotech) - III Sem, 2022 1-1/11/2022

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	
2	1601-19-805-002	AMULYA ADAVALLI	
3	1601-19-805-003	ANUSHKA BERA	
4	1601-19-805-004	BHAVYA T	
5	1601-19-805-005	CHIKITHA ANDELA	
6	1601-19-805-006	DEEKSHITHA MEGAVATH	
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16	1601-19-805-018	RISHIVIKA SHRUTHI VANKADARA	
17	1601-19-805-019	ROHINI REDDY VENKANNAGARI	
18	1601-19-805-020	RUTHIKA RASALA	
19	1601-19-805-021	SAI SAHITHI M	
20	1601-19-805-022	SAMHITHA C	
21	1601-19-805-023	SANJANA KANKIPATI	
22	1601-19-805-024	SATYA NAGALAKSHMI MOUNIKA KAVURI V S	
23	1601-19-805-025	SHAIK NOUSHEEN	
24	1601-19-805-026	SHIVANI HAZARI	
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44	1601-19-805-050	PRASHANTH KUMAR BALAM	
45	1601-19-805-051	RITHWIK VARDINENI	
46	1601-19-805-053	SAI RAM ALLUM	
47	1601-19-805-055	SATYANARAYANA REDDY MARUDI	

B. Tech (Biotech) VII Sem, 2022

17/11/2022

S.No	Roll No:	Name of the Student	Signature
48	160119805056	SUMEET CHENNA	
49	160119805057	VEERABHADRAM BANOTHU	Veera Bhadram
50	160119805058	VENKATESHU MALAVATHU	Venkatesh
51	160119805059	YASHIR DURAIRAJAN	
52	160119805060	SAHITHI BATHULA	
53	160119805064	DEDEEPYA ADICHERLA	

Sai phani roll no: 160119805062

Dept.of Biotechnology

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Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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. 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.

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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

A BRIEF REPORT
On
Biotechnology-Alumni Talk conducted on **17.11.2022; 02:00 to 02:45 PM**

Name of the Knowledge Partners	Ms B. Navya (2020 batch of Bio-Technology)
Designation	Research Associate – Mammalian Cell Culture, Upstream Process Development, Dr Reddy's Laboratory, Hyderabad
Topic of presentation	**Brief Overview of Cell Culture Process Development of Biosimilars**
Venue	**M-002, Biotechnology Seminar Hall**

Overview of Session

Ms B. Navya, Research Associate – Mammalian Cell Culture, Upstream Process Development, Dr Reddy's Laboratory, Hyderabad, has given a brief overview of the Upstream processes of Cell Culture Process Development of Biosimilars.

- Brief explanation of the upstream process followed for the production of Monoclonal Antibodies and given insights on the differences between biosimilar and biologics.
- There are various stages of mammalian cell culture such as:
  - **Cell line development for recombinant proteins**: In this step, desired clones are selected which can produce recombinant proteins.
  - **Sub-culturing**: After the clone is selected, the clone will be cultured from 1-2 ml vials to various sizes of flasks to increase the cell count per ml. They added the fresh media and subcultured it for 17 generations after attaining peak cell density in each generation.
  - **Process Optimisation and scale-up**:
    - Mini Bioreactors are used whose volume would be 10-15 ml for optimizing process parameters. For this, they used automated AMBR bioreactors, which contain 45 mini bioreactors.
    - The process parameters are optimised for the following reasons:
    - To get a higher titre value to increase protein production.
    - To get the good quality of desired recombinant protein, which is done based on the RPM value.
    - The product formed should be cost-effective such that it can be available to all.
    - After scaleu, the manufacturing should be feasible.
    - After the product is formed, it takes 12 years to come into the market to sell it.
-

Target Participants: All the students of B.Tech Biotechnology (2nd, 3rd and 4th year students) and Faculty members of Biotechnology department have attended the session.

Outcome of the Session

- Cell line Development
- Upstream process development

Snapshot during the session

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Gandipet, Hyderabad-500 075.

Ms B. Navya explaining the concept of biosimilars

Participants /Audience listening to the alumni talk

17/11/2022

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

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

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

Dr. Y. Rajasri
Associate Professor and Head, Biotechnology

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Chaitanya Bharathi Institute of Technology
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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	1601-21-805-001	ALEKHYA PASUMARTHY	
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	
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	
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	
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	
16	1601-21-805-016	J KAVYASRI	
17	1601-21-805-017	JANGALA HARI PRIYA	
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	
21	1601-21-805-021	KEERTHANA NALLA	
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	
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	
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	
28	1601-21-805-028	MEDISETTY RASHMI	
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	
35	1601-21-805-036	REKHAM POOJITHA	
36	1601-21-805-037	REMALLA PRIYANKA	
37	1601-21-805-038	ROSHINI PERUMAL	
38	1601-21-805-039	SHREYA TATI	
39	1601-21-805-040	THODE NEHA	
40	1601-21-805-041	THOGARI RASHMITHA	
41	1601-21-805-042	VAISHNAVI GANGAPURI	
42	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	
43	1601-21-805-044	VISLAVATH SNEHA	
44	1601-21-805-045	VUYYURU HASANTHI	
45	1601-21-805-046	YAKKANTI VAISHNAVI	
46	1601-21-805-047	ADVAITH ROY	
47	1601-21-805-048	DHRUV TADIKONDA	
48	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	
49	1601-21-805-050	GILKAPALLY KOUSHIK	
50	1601-21-805-051	GUGULOTH BHASKAR	
51	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	

17/11/2022

B.Tech (Biotech) - III Sem, 2022

52	1601-21-805-053	HANOK ADITYA K	
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	
54	1601-21-805-055	KUNAM SAI SUNDER	
55	1601-21-805-056	MANIKONDA 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	
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	

HOD
Dept.of Biotechnology

B.Tech (Biotech) - V Sem, 2022 17/11/22

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	
2	1601-20-805-002	AISHWARYA KULKARNI	
3	1601-20-805-003	ALWINA G	
4	1601-20-805-005	BADAVATH MOUNIKA	
5	1601-20-805-006	BODIKA SHYNISHA	
6	1601-20-805-007	CHAITRA GALI	
7	1601-20-805-008	CHUNDURU SAI HARI HARA SUDHESHNA	
8	1601-20-805-009	DIVYA PREMA SUROJU	
9	1601-20-805-010	FOUZIA RAFATH SHAIK	
10	1601-20-805-012	HAMSINI KATLA	
11	1601-20-805-013	JYOTHIKA MEENAKSHI KAMBHAMPATI	
12	1601-20-805-014	KAVYA PASIRIKA PATHIPAKA	
13	1601-20-805-016	NAGA VENKATA SUJATHA KOLLURU	
14	1601-20-805-017	NEHA REDDY MARAPALLI	
15	1601-20-805-018	REENA PRAVALLIKA BALLA	
16	1601-20-805-019	SAI LEELA SIRISHA VALLURU	
17	1601-20-805-020	SAI SHRIYA Y	
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B.Tech (Biotech) - V Sem, 2022

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Dept.of Biotechnology

B. Tech (Biotech) - VII Sem, 2022 1-1-11-2022

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

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47	1601-19-805-055	SATYANARAYANA REDDY MARUDI	

B. Tech (Biotech) VII Sem, 2022

17/11/2022

S.No	Roll No.	Name of the Student	Signature
48	160119805056	SUMEET CHENNA	
49	160119805057	VEERABHADRAM BANOTHU	Veera Bhadram
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51	160119805059	YASHIR DURAIRAJAN	
52	160119805060	SAHITHI BATHULA	
53	160119805064	DEDEEPYA ADICHERLA	

Sai phani roll no. B

Dept.of Biotechnology

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No. 696 /CBIT-AEC/2023 Date: 08.03.2023

CIRCULAR

The Department of BioTechnology is organizing an Alumni Talk No. 1 /2023 on 09.03.2023 from 10:30 to 11:30 AM through online mode, as part of the **'CBIT Alumni Theme for 2023, The Knowledge Partners'**. The details of the talk and the Alumnus speaker are as follows:

Title of the talk	:	**Awareness of Career Prospects in Public Health and Biotechnology**
Speaker Name	:	**Ms. Mahitha Kasturi**
Meeting Link	:	https://us04web.zoom.us/j/78377153310?pwd=VoIpa5dbHOV5umVvnZecCDFg6RthwP.1
Meeting ID	:	783 7715 3310
Meeting Password	:	biotech

Ms. Mahitha Kasturi is an Alumnus of CBIT, 2021 batch of B. Tech. Biotechnology. Currently, Masters' Student, Department of Global Epidemiology, Rollins School of Public Health, Emory University, Atlanta, USA.

All the students of B. Tech (Biotechnology) of III, VI, and VIII Semester are required to attend the talk. The attendance will be taken by the concerned class teachers. Interested students and faculty of other departments are welcome to attend.

PRINCIPAL

CC: The Head of the Department of Bio-Technology & necessary action
CC: All Directors, COE, HR & PRO for information.
C.C. to the Advisor-RCG, CBIT, for kind information

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Chaitanya Bharathi Institute of Technology (A), Hyderabad

Department of Biotechnology

A BRIEF REPORT

On

Biotechnology-Alumni Talk conducted on 09th March, 2023; 10.30 - 11.30 AM

Zoom cloud Meeting Link:

https://us04web.zoom.us/j/78377153310?pwd=Volpa5dbHOV5umVvnZecCDFg6RthwP.1

(Meeting ID: 783 7715 3310; Passcode: biotech)

Name of the Knowledge Partners	**Ms. Mahitha Kasturi** (2021 batch of Biotechnology)
Designation	Master's Student, Department of Global Epidemiology, Rollins School of Public Health, Emory University, Atlanta, USA.
Topic of presentation	**Awareness of Career Prospects in Public Health and Biotechnology**

Background of the Talk

Global epidemiology is an important field of study, particularly in the context of emerging infectious diseases, such as COVID-19, and the growing threat of antimicrobial resistance. The Department of Global Epidemiology would likely be involved in conducting research on the global burden of disease, identifying risk factors for various health outcomes, and developing and evaluating interventions to improve health and prevent disease.

Overview of Session

Dr. V. Aruna, Associate professor Biotechnology hosted the meeting and gave a brief introduction about **Ms. Mahitha Kasturi,** Master's Student, Department of Global Epidemiology, Rollins School of Public Health, Emory University, Atlanta, USA.

Ms. Mahitha Kasturi started her talk exploring the scope of Biotechnology and its diversity so that one can choose from a range of industries such as increasing demand for healthcare solutions. And moved on to the career options that Biotechnology provides such as manufacturing, regulatory affairs, clinical research etc., It was an interactive session with the students by asking various questions. She elucidated how Bioinformatics and Health informatics plays a major role in public health sciences. She starts to elaborate her life as a public health student at Emory; wherein she joined MPH program specializing in Global Epidemiology while simultaneous pursuing a certificate in social determinants of Health, Graduate research assistant, social chair, and was doing her summer internship on 'Integrated care in prisons of

Mozambique addressing TB and other conditions'. There was Q/A session for both students and faculties about public health and opportunities that are available for a person with a background of Biotechnology after the talk. Vote of thanks was given by Dr. Ashoutosh Pandey.

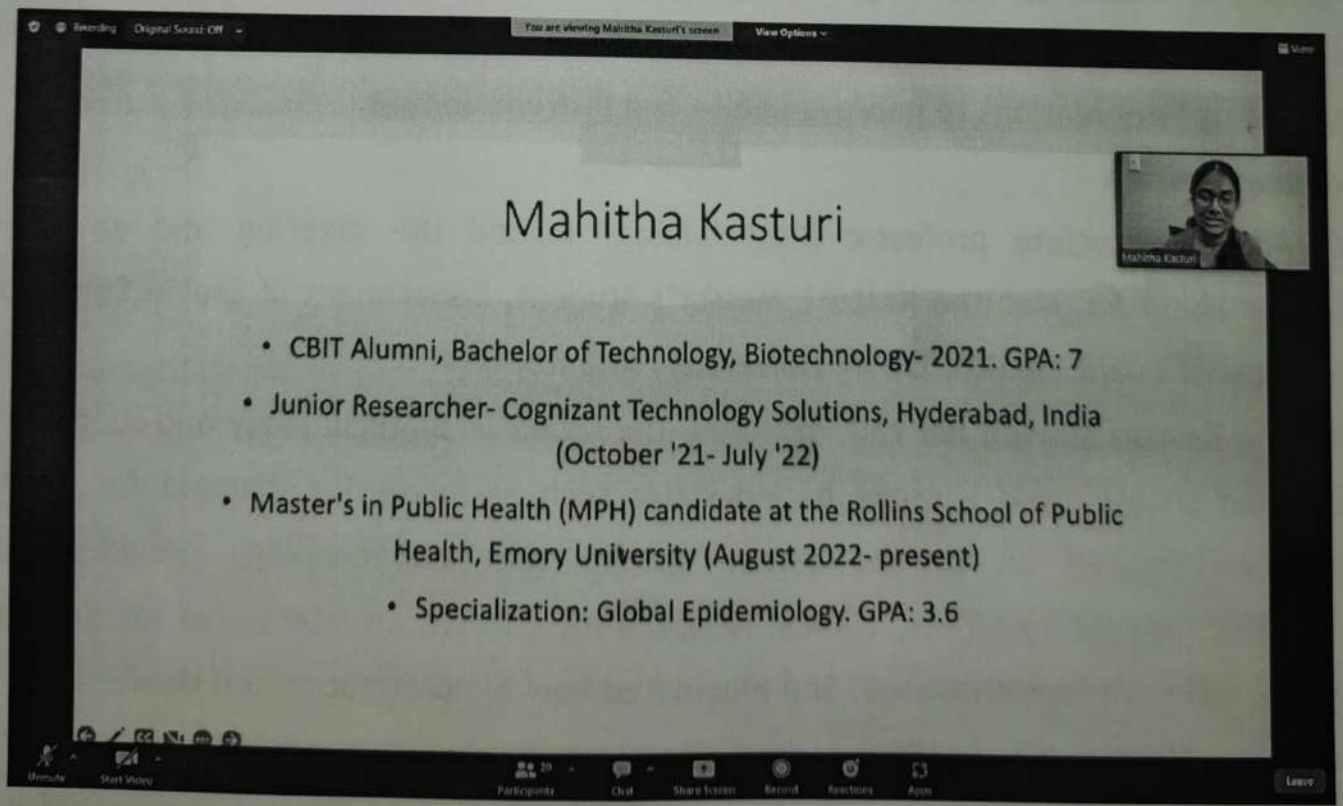
Target Participants:

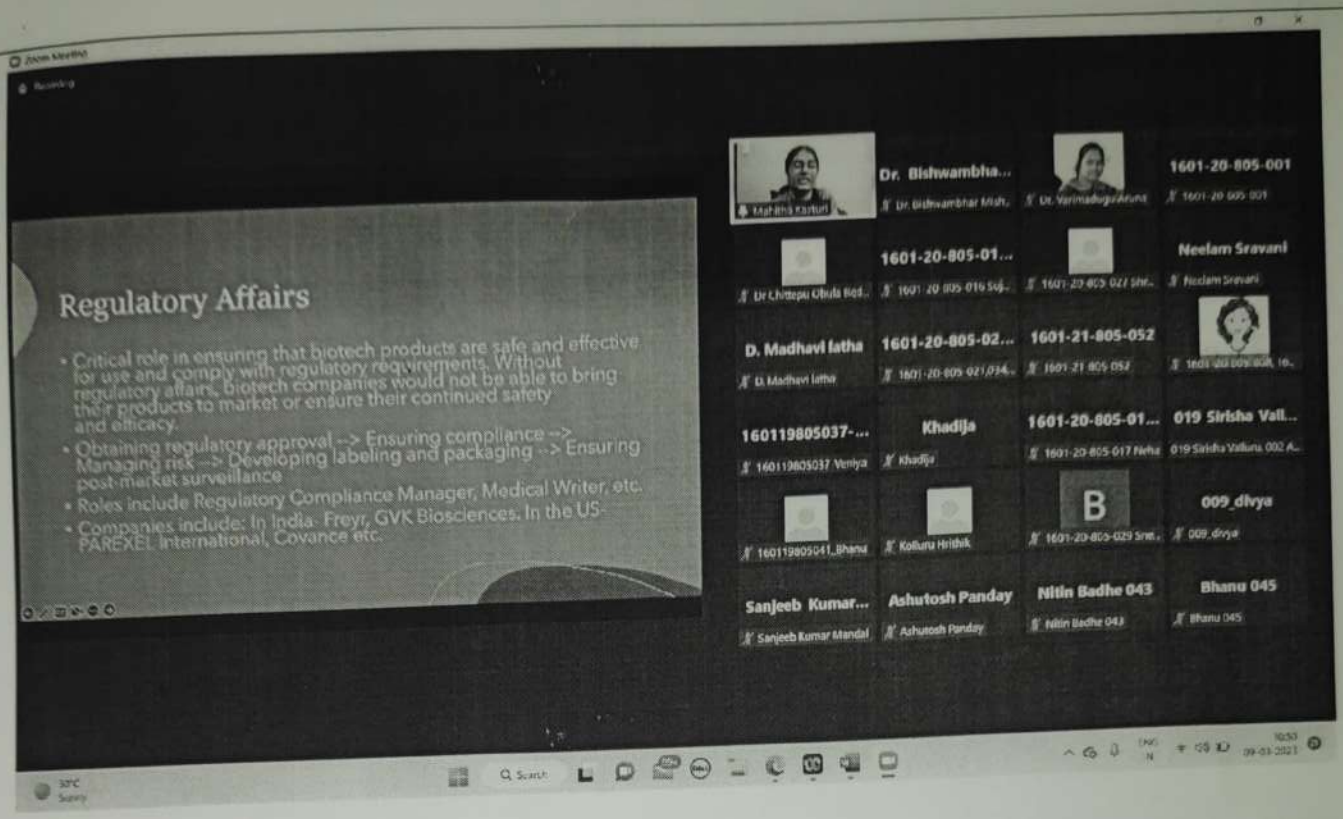
All the students of B.Tech Biotechnology (III-Semester; VI-Semester; VII-Semester) and Faculties of Biotechnology department were attended the session.

Outcome of the Session

- A thorough knowledge about the career prospectives that are there for public health sciences as well as Department of Biotechnology was learned.
- How Biotechnology and Bioinformatics tools help for treatment of diseases was understood.
- Overview on clinical research and development of products that are beneficial for life was learned.
- Vast scopes of Bioinformatics and Health informatics in various IT companies were understood.

Snapshot during the session




Zoom Meeting
Recording
Regulatory Affairs
• Critical role in ensuring that biotech products are safe and effective for use and comply with regulatory requirements. Without regulatory affairs, biotech companies would not be able to bring their products to market or ensure their continued safety and efficacy.
• Obtaining regulatory approval --> Ensuring compliance --> Managing risk --> Developing labeling and packaging --> Ensuring post-market surveillance
• Roles include Regulatory Compliance Manager, Medical Writer, etc.
• Companies include: In India- Freyr, GVK Biosciences. In the US- PAREXEL International, Covance etc.
Mahitha Kasturi
Dr. Bishwambha...
1601-20-805-001
Dr Chittepu Ubula Rad...
1601-20-805-01...
Neelam Sravani
D. Madhavi latha
1601-20-805-02...
1601-21-805-052
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Khadija
1601-20-805-01...
019 Sirisha Vall...
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Kolluru Hrithik
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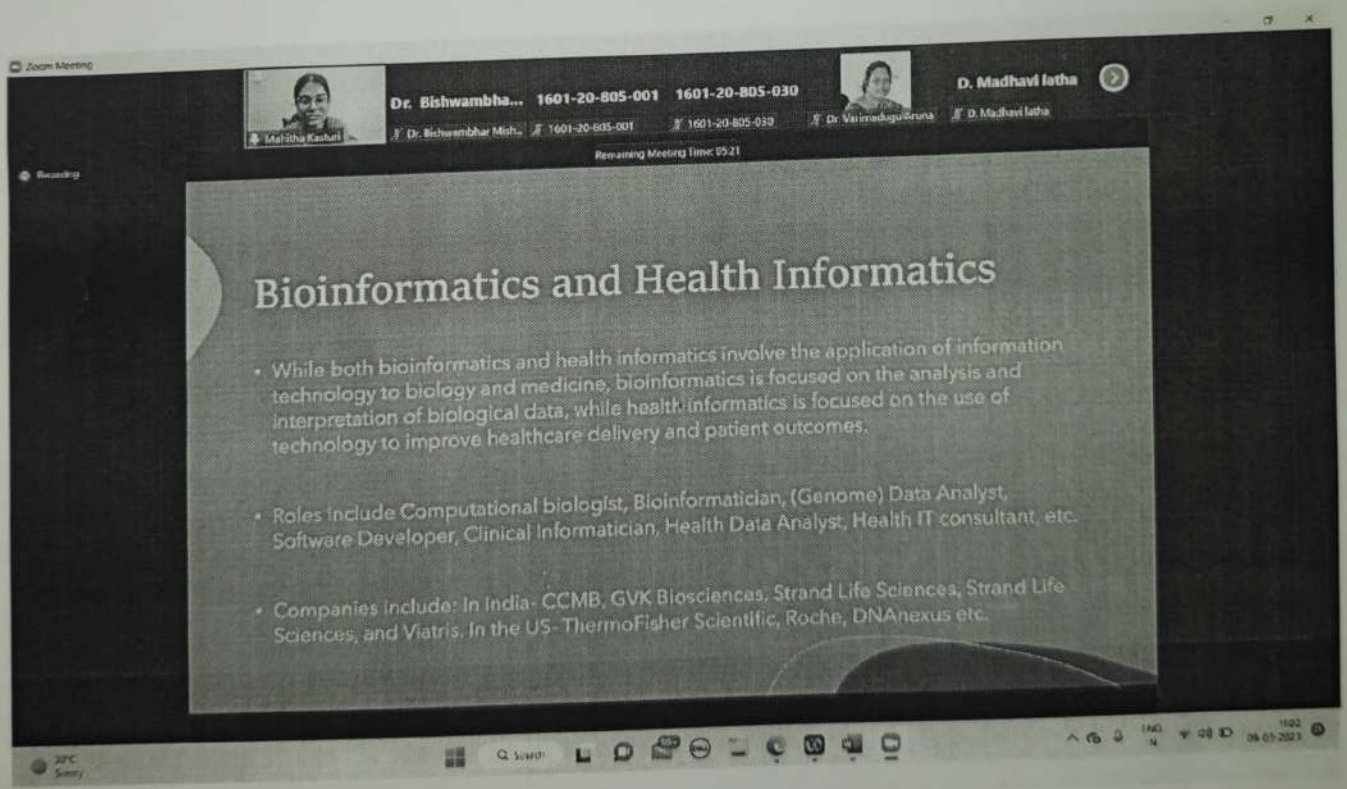
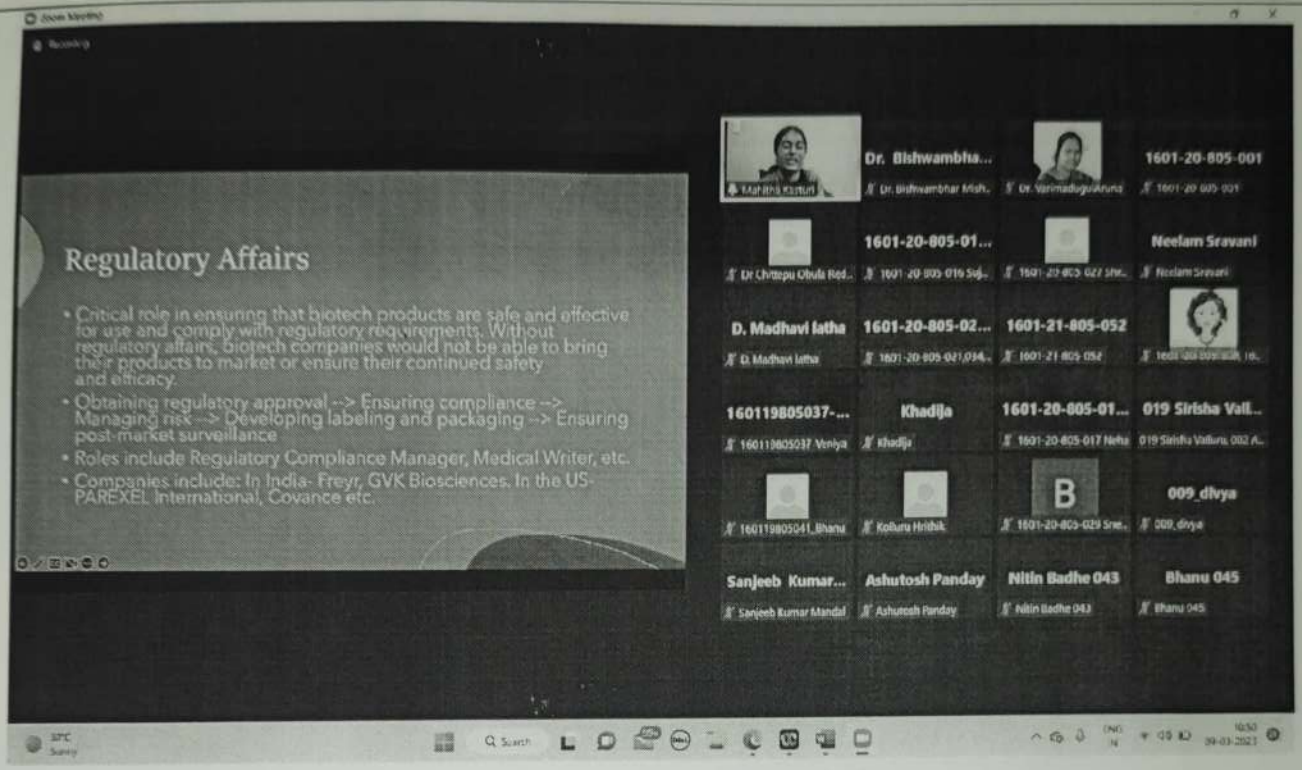
009_divya
Sanjeeb Kumar...
Ashutosh Panday
Nitin Badhe 043
Bhanu 045


Zoom Meeting
Recording
Mahitha Kasturi
Dr. Bishwambha...
1601-20-805-001
1601-20-805-030
Dr. Vasireddy Sruna
D. Madhavi latha
Remaining Meeting Time: 05:21
Bioinformatics and Health Informatics
• While both bioinformatics and health informatics involve the application of information technology to biology and medicine, bioinformatics is focused on the analysis and interpretation of biological data, while health informatics is focused on the use of technology to improve healthcare delivery and patient outcomes.
• Roles include Computational biologist, Bioinformatician, (Genome) Data Analyst, Software Developer, Clinical Informatician, Health Data Analyst, Health IT consultant, etc.
• Companies include: In India- CCMB, GVK Biosciences, Strand Life Sciences, Strand Life Sciences, and Viatris. In the US- ThermoFisher Scientific, Roche, DNAnexus etc.


Regulatory Affairs
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Dr. Bishwambha...
1601-20-805-001
1601-20-805-01...
Neelam Sravani
D. Madhavi latha
1601-20-805-02...
1601-21-805-052
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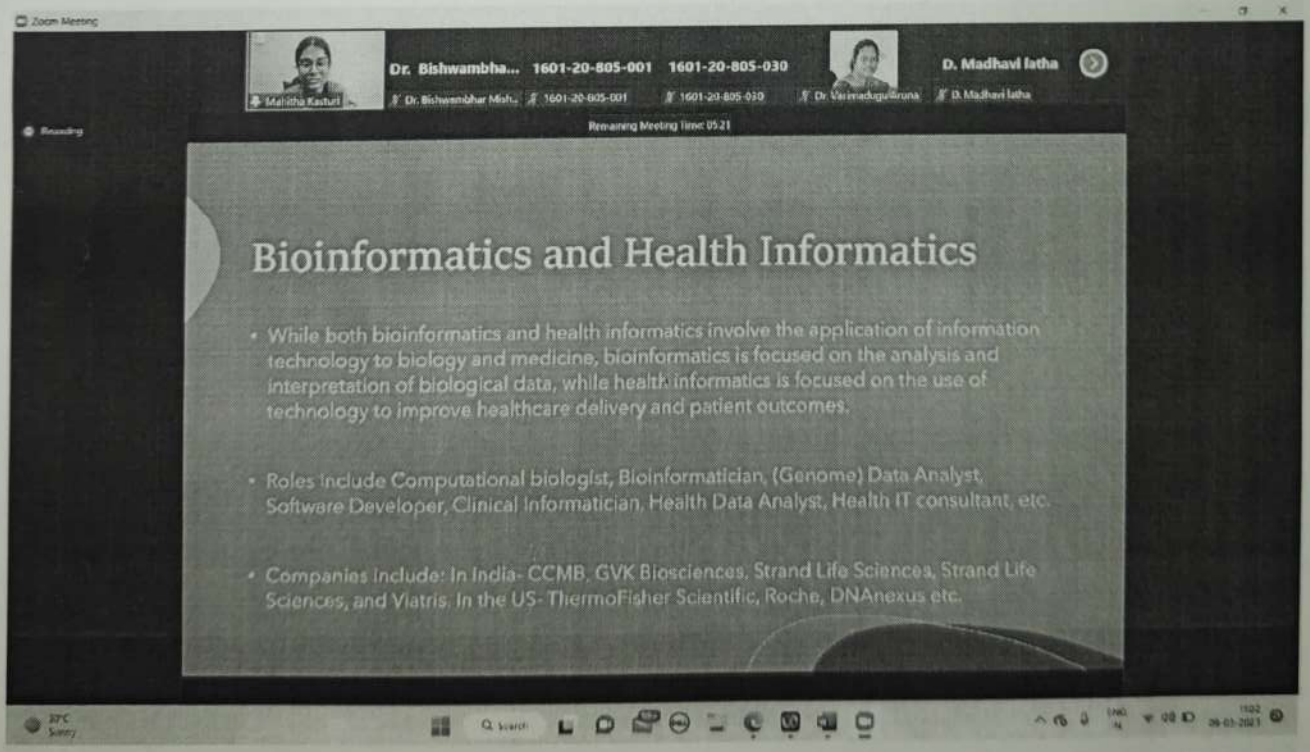
Khadija
1601-20-805-01...
019 Sirisha Vall...
009_divya
Sanjeeb Kumar...
Ashutosh Panday
Nitin Badhe 043
Bhanu 045


Zoom Meeting
Dr. Bishwambha...
1601-20-805-001
1601-20-805-030
D. Madhavi latha
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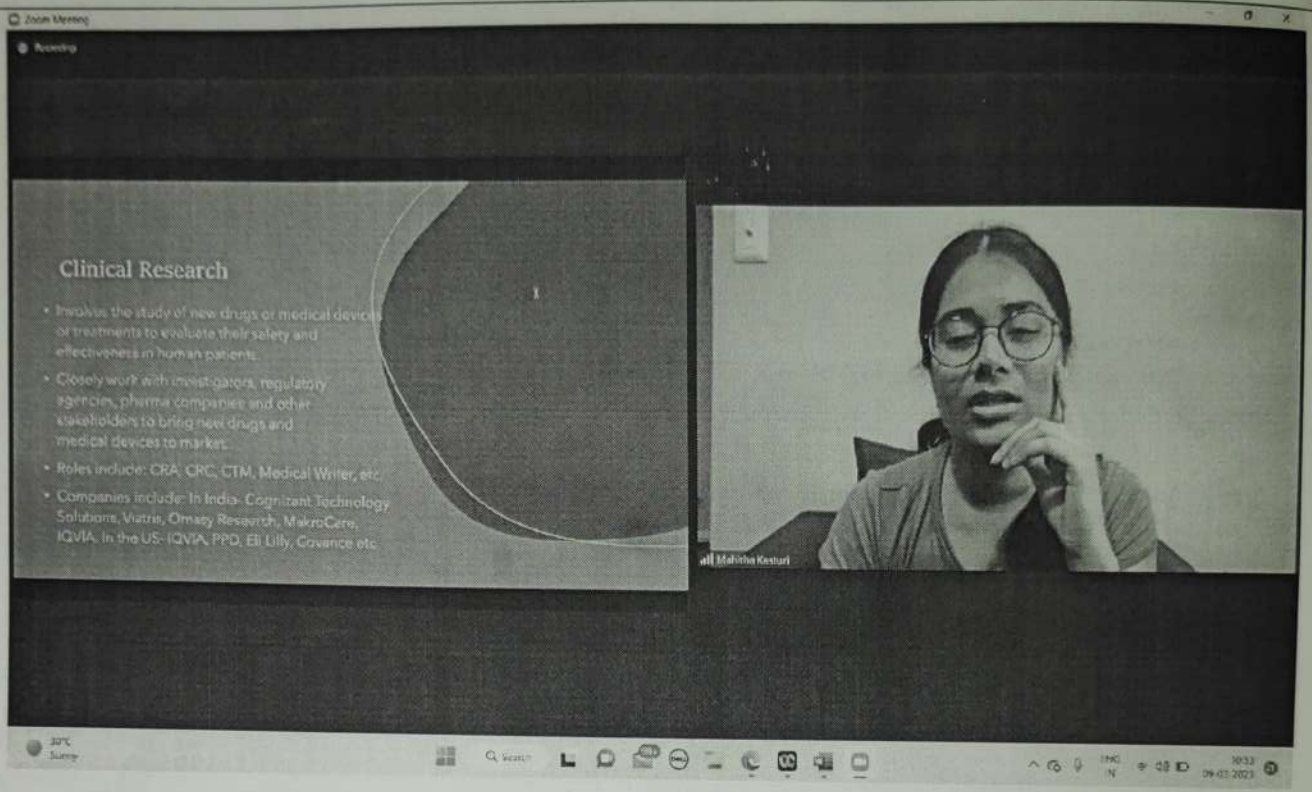
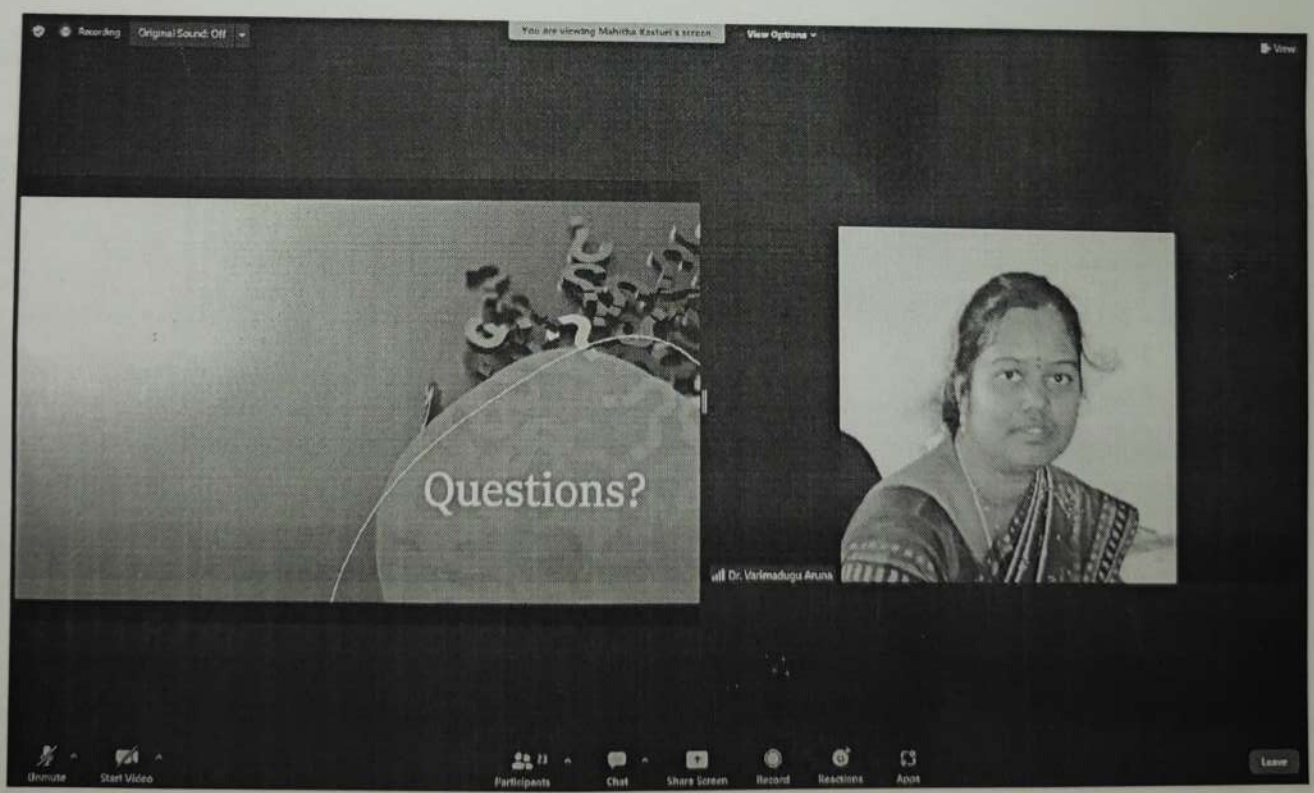
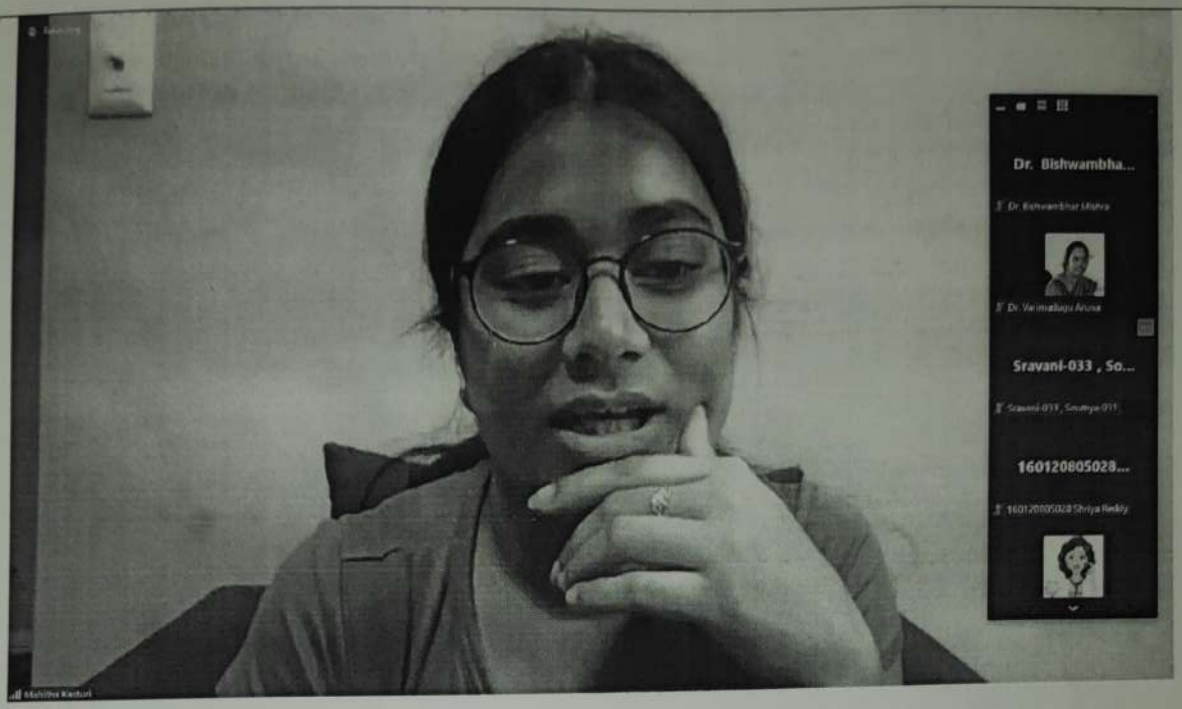
• Companies include: In India- CCMB, GVK Biosciences, Strand Life Sciences, Strand Life Sciences, and Viatris. In the US- ThermoFisher Scientific, Roche, DNAnexus etc.


Zoom Meeting
Recording
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, Omaxy Research, MakroCare, IQVIA, In the US- IQVIA, PPD, Eli Lilly, Covance etc.
Mahitha Kesturi
Search
ENG
IN
10:33
09-03-2023


Recording
Original Sound: Off
You are viewing Mahitha Kesturi's screen.
View Options
View
Questions?
Dr. Varlmadugu Aruna
Unmute
Start Video
Participants
Chat
Share Screen
Record
Reactions
Apps
Leave



Recording of the Talk:

https://drive.google.com/drive/folders/1s7vKVXlSYiHgUf97lRMF7lkvGhTLN3dg?usp=share_link

Dr. V. Aruna
Associate 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. Ashoutosh Pandey
Professor and Head, Biotechnology

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Department of Biotechnology

Alumni Talk on 9-03-2023

B.Tech. (BIOTECH) - VI SEMESTER

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

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

Class Teacher

Head
Dept.of Biotechnology

05.03.2023

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Alumni Talk on 9-03-2023

Department of Biotechnology

B.Tech. (BIOTECH) - III SEMESTER-

S.No	Rolls List	Name of the Candidate	Signature
1	1601-21-805-001	ALEKHYA PASUMARTHY	
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	
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	
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	
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	
16	1601-21-805-016	J KAVYASRI	
17	1601-21-805-017	JANGALA HARI PRIYA	
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	
21	1601-21-805-021	KEERTHANA NALLA	
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	
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	
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	
28	1601-21-805-028	MEDISETTY RASHMI	
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	
35	1601-21-805-036	REKHAM POOJITHA	

S.No	Rolls List	Name of the Candidate	Signature
36	1601-21-805-037	REMALLA PRIYANKA	Priyanka
37	1601-21-805-038	ROSHINI PERUMAL	
38	1601-21-805-039	SHREYA TATI	
39	1601-21-805-040	THODE NEHA	
40	1601-21-805-041	THOGARI RASHMITHA	
41	1601-21-805-042	VAISHNAVI GANGAPURI	
42	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	Pravallika
43	1601-21-805-044	VISLAVATH SNEHA	
44	1601-21-805-045	VUYYURU HASANTHI	
45	1601-21-805-046	YAKKANTI VAISHNAVI	
46	1601-21-805-047	ADVAITH ROY	Advaith
47	1601-21-805-048	DHRUV TADIKONDA	Dhruv T.
48	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	
49	1601-21-805-050	GILKAPALLY KOUSHIK	
50	1601-21-805-051	GUGULOTH BHASKAR	
51	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	Prashanth
52	1601-21-805-053	HANOK ADITYA K	
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	
54	1601-21-805-055	KUNAM SAI SUNDER	
55	1601-21-805-056	MANIKONDA RAHUL	
56	1601-21-805-057	MOHAMMED RAHMANUDDIN	
57	1601-21-805-058	PARSHA TILAK	
58	1601-21-805-059	POLAMRAJU VENKATA KASYAP	Kasyap
59	1601-21-805-060	REGOTI SAIRAM	
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	

Class Teacher

HOD
Department of Biotechnolc

A Pandas
05.03.2023

HEAD
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Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

Department of Biotechnology

Alumni Talk on 9-03-2023

B.TECH. (BIOTECH) - VIII SEMESTER

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

S.No	Roll No.	Name of the Student	Signature
47	1601-19-805-055	SATYANARAYANA REDDY MARUDI	
48	1601-19-805-056	SUMEET CHENNA	
49	1601-19-805-057	VEERABHADRAM BANOTHU	
50	1601-19-805-058	VENKATESHH MALAVATHU	
51	1601-19-805-059	YASHIR DURAIRAJAN	
52	1601-19-805-060	SAHITHI BATHULA	
53	1601-18-805-004	DEDEEPYA ADICHERLA	

Class Teacher

Head
Dept.of Biotechnology

09.03.2023

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 44 years

No. 835 /CBIT-AEC/2023 Date: 22.05.2023

CIRCULAR

The Department of BioTechnology is organizing an Alumni Talk No. 02/2023 on 23.05.2023 from 10:00 to 11:00 AM through offline mode, as part of the **'CBIT Alumni Theme for 2023, The Knowledge Partners'**. The details of the talk and the Alumnus speaker are as follows:

Title of the talk : **Biopharmaceuticals market**
Speaker Name : **Mr. Anil Kumar Jagirdar**
Venue : **M-002 (Biotech Seminar Hall)**

Mr. Anil Kumar Jagirdar is an Alumnus of CBIT, 2009 batch of B. Tech. Biotechnology. Currently, Vice President, investments, InvAscent Advisory, Hyderabad.

All the students of B. Tech (Biotechnology) of II, and IV, are required to attend the talk. The attendance will be taken by the concerned class teachers. Interested students and faculty of other departments are welcome to attend.

PRINCIPAL

CC: The Head of the Department of Bio-Technology & necessary action
CC: All Directors, COE, HR & PRO for information.
C.C. to the Advisor-RCG, CBIT, for kind information

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075

23.05.2023

Chaitanya Bharathi Institute of Technology (A), Hyderabad

Department of Biotechnology

A BRIEF REPORT

On

Biotechnology-Alumni Talk conducted on **23rd May, 2023; 10:00 - 11:00 AM**

Venue: M205; Biotechnology Building (M-Block), CBIT, Hyd

Name of the Knowledge Partners	**Mr Anil Kumar jagirdar** (2009 batch of Biotechnology)
Designation	Vice-President, investments, InvAscent Advisory, Hyderabad
Topic of presentation	**Biopharmaceuticals Market**

Report

The session began with the discussion about Indian healthcare and the life sciences industry and its statistical growth in future. The domino effect of the growing population, varying socio-economic factors, increase in non -communicable diseases etc. led to a tremendous growth in the healthcare industry. The key factors -quality, access, affordability and delivery necessary for the rise in the delivery in Indian markets and their shortcomings were discussed.

As the session proceeded, a brief on the other aspects of healthcare industry such as the delivery industry, devices (biomedical devices) and the pharmaceutical industry, along with insights of the growth of pharmaceutical industry from the early 2000's to 2022 were discussed. The future prospects of the industries such as the key focus of mass production of NCES or expired patented biologics and generic medicines, their export along with a brief overview of the biopharmaceutical market were discussed.

The session was concluded with the discussion of various industrial opportunities for biotechnologists and their scope for growth as per the current analysis and and one of the major key takeaway points for the students from the interactive session was to impart a business sense alongside innovativeness to reap success.

Overview of Session

Dr Kiran Yellappa Vajanthri and Dr Dharmalingam, Assistant professors, Biotechnology hosted the meeting and gave a brief introduction about **Mr Anil Kumar Jagirdar,** Vice-President,

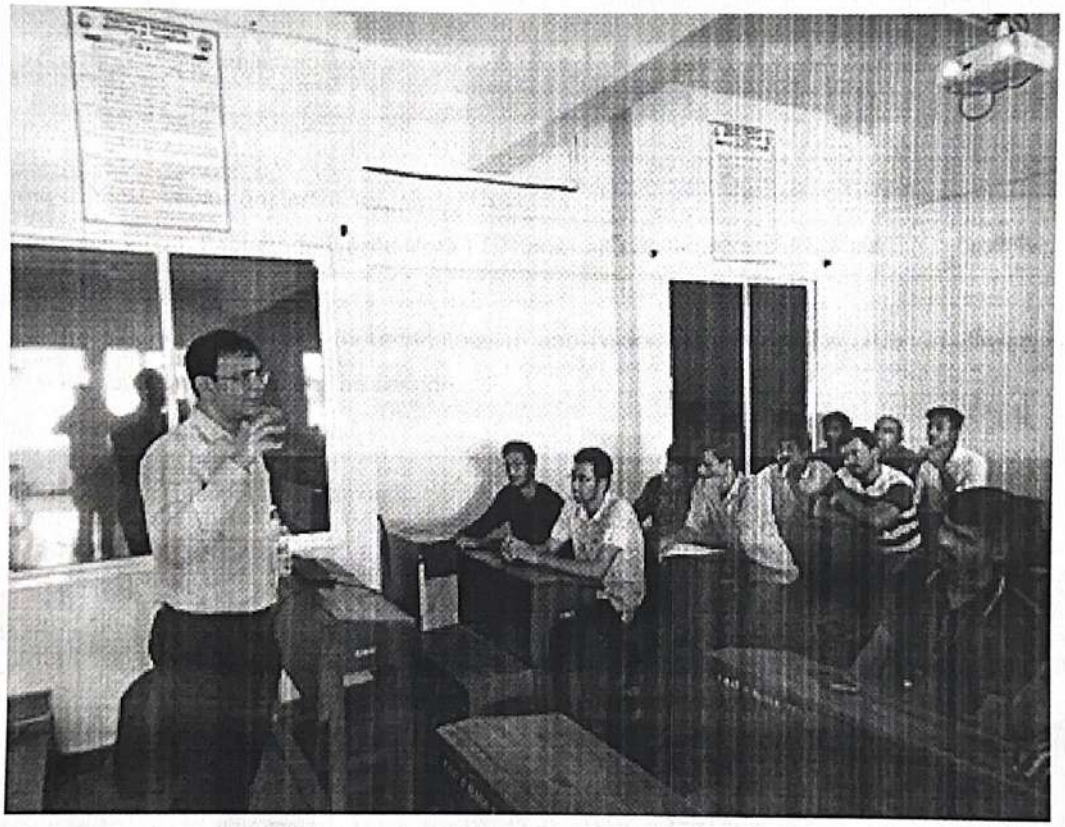
investments, InvAscent Advisory, Hyderabad.

Prof. Ashoutosh Panday delivered Vote of Thanks and conlcuded the session

Target Participants:

All the students of B.Tech Biotechnology (II and IV Semesters) and Faculties of Biotechnology department have attended the session.

Snapshot during the session



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

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

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

Dr. Ashoutosh Pandey
Professor and Head, Biotechnology

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Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

(Affiliated to Osmania University)

Alumni Talk on 23-05-2023 – Mr. Anil Kumar Jagirdar.

B.Tech. (BIOTECH) - IV SEMESTER

S.No	Rolls List	Name of the Candidate	Signature
1	1601-21-805-001	ALEKHYA PASUMARTHY	
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	
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	
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	
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	
16	1601-21-805-016	J KAVYASRI	
17	1601-21-805-017	JANGALA HARI PRIYA	
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	
21	1601-21-805-021	KEERTHANA NALLA	
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	
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	
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	
28	1601-21-805-028	MEDISETTY RASHMI	
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	

S.No	Rolls List	Name of the Candidate	Signature
35	1601-21-805-036	REKHAM POOJITHA	
36	1601-21-805-037	REMALLA PRIYANKA	
37	1601-21-805-038	ROSHINI PERUMAL	
38	1601-21-805-039	SHREYA TATI	
39	1601-21-805-040	THODE NEHA	
40	1601-21-805-041	THOGARI RASHMITHA	
41	1601-21-805-042	VAISHNAVI GANGAPURI	X
42	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	
43	1601-21-805-044	VISLAVATH SNEHA	
44	1601-21-805-045	VUYYURU HASANTHI	
45	1601-21-805-046	YAKKANTI VAISHNAVI	
46	1601-21-805-047	ADVAITH ROY	
47	1601-21-805-048	DHRUV TADIKONDA	
48	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	
49	1601-21-805-050	GILKAPALLY KOUSHIK	
50	1601-21-805-051	GUGULOTH BHASKAR	
51	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	
52	1601-21-805-053	HANOK ADITYA K	
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	
54	1601-21-805-055	KUNAM SAI SUNDER	
55	1601-21-805-056	MANIKONDA 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	
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	

Head
Dept.of Biotechnology

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Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075

CBIT, Hyderabad

Dept of Biotechnology

ALUMNI TALK BY Mr ANIL KUMAR

Dt: 23/05/2023

1. Dr. V. Aruna
2. Dr. B. Mishra
3. Dr. Kiran Y V
4. Dr. Dharmalingam K
5. DR. SANJEEB KUMAR MANDAL
6. Dr. B. Sumithra
7. Dr. S. SUMITHRA
8. Dr. Ashoutosh Pandey
9. Dr Nagendranath
10. Dr G Vijayalaxmi
11. Dr Y Lgani

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Dept. of Bio-Technology
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Gandipet, Hyderabad-500 075

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) :: HYDERABD-75

Dt.14.09.2022

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	
2.	160119805001	Aishwarya CVS	
3.	160119805002	Amulya Adavalli	
4.	160119805003	Anushka Bera	
5.	160119805004	T Bhavya	
6.	160119805005	Chikitha Andela	
7.	160119805006	M.Deekshitha	
8.	160119805008	D kavya	
9.	160119805009	Janardhan Keerthi	
10.	160119805010	Krushe Mundru	
11.	160119805011	Lahari	
13.	160119805012	Mahitha Pyla	
13.	160119805013	Manishareddy.g	
14.	160119805014	Bellapurla Mary Karen	
15.	160119805016	DUGGI REDDY NAVYA SREE	
16.	160119805017	Shekkar Ravalika	
17.	160119805018	Rishivika Shruthi Vankadara	
18.	160119805019	V. Rohini Reddy	
19.	160119805020	Ruthika	
20.	160119805021	M. Sai Sahithi	
21.	160119805022	Samhitha Cheruku	
22.	160119805023	Sanjana. K	
23.	160119805024	KVSSN Mounika	
24.	160119805025	Shaik Nousheen	
25.	160119805026	Hazari shivani	
26.	160119805027	Shivanmitha Gudipati	
27.	160119805029	Sravya Kunaparaju	
28.	160119805030	Sri harshini Kothamasu	
29.	160119805031	Sruthi Reddy Sompuram	
30.	160119805032	Sushma Eunice Rekala	
31.	160119805033	Vaishnavi Mokkapati	
32.	160119805034	Punna vaishnavi	
33.	160119805035	Vamshipriya	

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

15/9/2022.

Faculty Signature

15/9/22

15/09/2022

Head
Dept.of Biotechnology

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, platting techniques, etc.

Target Participants:

Students of B.Tech Biotechnology (VII-Semester)

Outcome of the Session

- Revision of all the important biotechnology laboratory procedures.
- Hands-on experience, instrument handling.
- Doubts clarification


Refrigerator

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 except 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 plane 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 covert 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.


CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
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DEPARTMENT MISSION
Binomial Dist:-
Fall
Spring/Summer
WES


DEPARTMENT OF BIOTECHNOLOGY
DEPARTMENT VISION
DEPARTMENT MISSION

<u>Title of the Session:</u> Innovation IT applications in the domain of Bi-Informatics,and importance in Life Science.

Speaker Profile: DR. M.BALAKRISHNAN - PRINCIPAL SCIENTIST, NAARM, Rajendranagar, Hyderabad

Date & Time: 31- 01 - 2023 & 11:30 am.

Scope:

Bioinformatics is a field of science that combines biology, computer science, and statistics to analyze and interpret biological data.

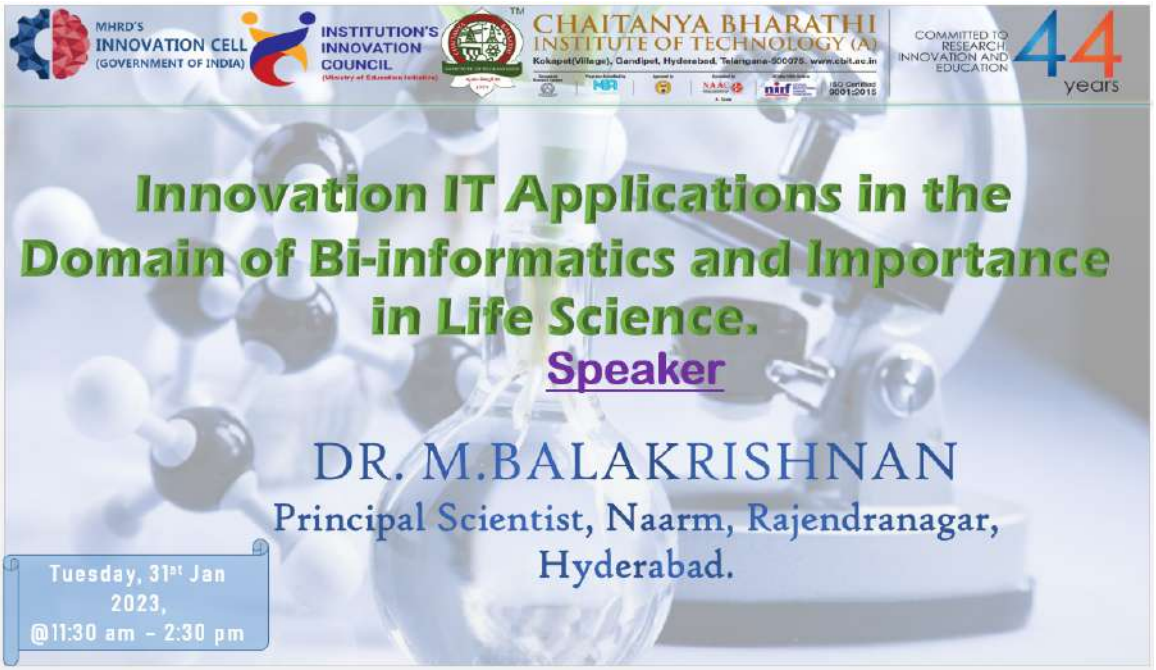
Learning Outcome of the session:

- Overall, bioinformatics is a critical field that has revolutionized the life sciences. It has enabled scientists to analyze and interpret vast amounts of biological data, leading to new discoveries and breakthroughs in fields ranging from genetics to drug discovery.
- It plays a critical role in advancing research in the life sciences, particularly in genomics, proteomics, and systems biology.

Number of Students Participated: 42

Number of Faculties Participated: 05

Poster:



Photographs of the session:

Title of the Session: **Innovations for Bharat.**

Speaker Profile: Sri Pranav Hebbar, Founder - Make Room India (Global) & Uttunga Ventures Bengaluru, Karnataka, India.

Date & Time: 17-12-2022 & 11:00 am.

Scope:

Sri Pranav Hebbar, Founder - Make Room India (Global) & Uttunga Ventures provided insights on Innovations for Bharat and Road to Societally Impactful Technologies in the context of Research and Development.

Learning Outcome of the session:

- By harnessing the power of technology and entrepreneurship, India can continue to make progress in improving the lives of its people and driving economic growth.
- Innovations such as online learning platforms, interactive educational tools, and AI-powered tutoring can help bridge the education gap and improve student outcomes.

Number of Students Participated: 81

Number of Faculties Participated: 08

Poster:

Photographs of the session:

IIC - Celebration Activity

Title of the Session: World Creativity and Innovation Day @ CBIT (A)

Date: 21st Apr 2023

Time: 11:00 am

No of Participants: 195

Poster:

Photographs of the Session:

World Creativity and Innovation Day is celebrated annually on April 21 to raise awareness about the crucial role that innovation and creativity play in human development.

World Creativity and Innovation Day 2023

World Creativity and Innovation Day is celebrated annually on April 21 to raise awareness about the crucial role that innovation and creativity play in human development. Creativity is the use of imagination, thinking, and skills to create new ideas, while innovation is the process of using creativity, knowledge, and skills to improve existing ideas or develop new products. This day is focused on achieving Sustainable Development Goals through promoting and celebrating creativity and innovation. The history and significance of this day revolve around recognizing the value of creativity and innovation in improving the quality of life, fostering economic growth, and addressing global challenges.

World Creativity and Innovation Day: Significance

World Creativity and Innovation Day is significant because it raises awareness about the crucial role that creativity and innovation play in human development and solving global problems. The day encourages individuals and organizations to use their creativity and innovation to develop new and innovative solutions that promote sustainable development and improve people's lives. By recognizing the value of creativity and innovation, the day fosters economic growth, generates employment, and enhances the overall quality of life. The United Nations has also recognized the importance of creativity and innovation in achieving its Sustainable Development Goals, making World Creativity and Innovation Day an essential part of its global initiative.

World Creativity and Innovation Day: History

World Creativity and Innovation Day is a part of the World Creativity and Innovation Week that begins on **April 15, celebrated as World Art Day in honor of Leonardo da Vinci's birthday and ends on April 21.** Marci Segal, a creativity specialist and futurist from Canada, founded this day in 2002 with the objective of inspiring people to employ creativity to develop fresh ideas, bring positive transformation, and perform problem-solving.

The United Nations (UN) recognized the importance of creativity and innovation in promoting sustainable development and included World Creativity and Innovation Day as a part of its initiative "Transforming our world: the 2030 Agenda for Sustainable Development." In 2013, the UN jointly published a report with UNESCO and UNDP that emphasized the significance of human creativity and innovation in the development of micro, small, and medium-sized industries.

In recognition of the importance of creativity and innovation, the UN declared April 21 as World Creativity and Innovation Day in 2017 during its 79th plenary meeting at the seventy-first session of the United Nations General Assembly (UNGA). The first World Creativity and Innovation Day was celebrated in 2018.

WORLD CREATIVITY AND INNOVATION DAY 2023: OBSERVANCE

The United Nations recognises the day as an opportunity to encourage individuals and organizations to generate new ideas and think creatively to address challenges such as poverty, inequality, and climate change.

On this day, people participate in activities such as brainstorming sessions, design thinking workshops, and hackathons, and showcase innovative ideas and projects that have the potential to make a positive impact on the world. It serves as a reminder of the power of human creativity and innovation to transform the world for the better.

QUOTES ABOUT CREATIVITY AND INNOVATION

- “I believe in innovation and that the way you get innovation is that you fund research and you learn the basic facts.” – Bill Gates
- “Creativity comes from a conflict of ideas.” – Donatella Versace
- “Innovation distinguishes between a leader and a follower.” – Steve Jobs
- “A hunch is creativity trying to tell you something.” – Frank Capra
- “Without tradition, art is a flock of sheep without a shepherd. Without innovation, it is a corpse.” – Winston Churchill
- “Creativity is intelligence and having fun.” – Albert Einstein
- “Creativity is just connecting things.” – Steve Jobs
- “Mystery is at the heart of creativity. That, and surprise.” – Julia Cameron

Objectives:

The day aims to promote the use of creative thinking in businesses, governments, and other organizations to foster innovation and growth.

Outcome:

The day encourages individuals and organizations to use their creativity and innovation to develop new and innovative solutions that promote sustainable development and improve people's lives.

Title of the Session: IPR Awarness, Drafting and Filing

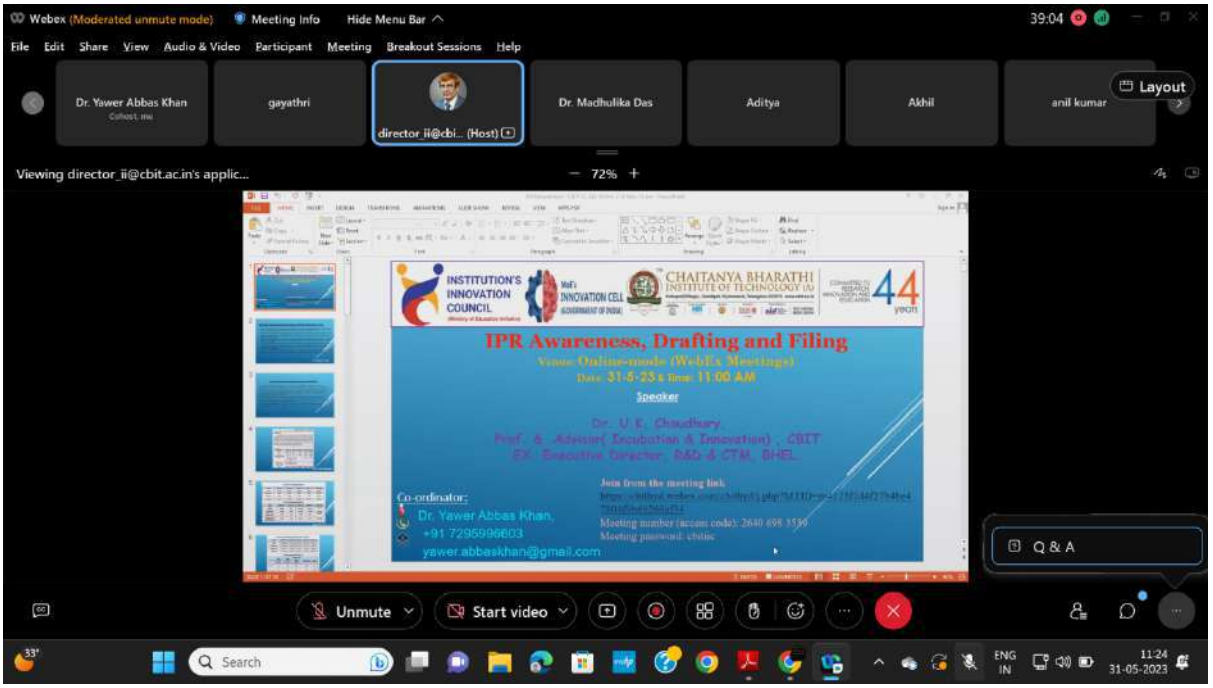
Speaker Profile: **Dr. U.K. Choudhury,** Prof.& Advisor(Incubation & Innovation), CBIT Ex.Exective Director, R&D & Corporated Technology Management, BHEL.

Date & Time: 31-5-2023 & 11:00 am.

Number of Participate in Hybrid mode: 46

Note: online Participate: 38, offline Participate: 8

PICS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INSTITUTION'S INNOVATION COUNCIL
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
44 years
IPR Awareness, Drafting and Filing
Venue: Online-mode (WebEx Meetings)
Date: 31-5-23 & time: 11.00 AM
Speaker
Co-ordinator:
Dr. Yawer Abbas Khan,
+91 7295996603
yawer.abbaskhan@gmail.com
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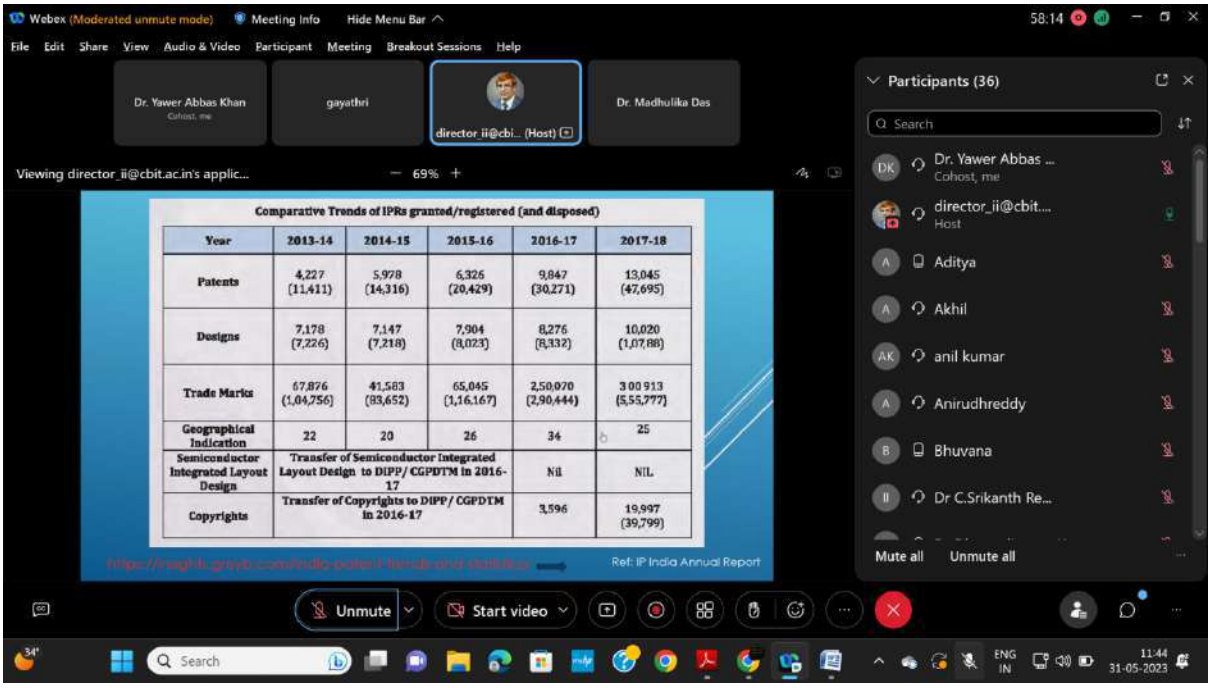
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Comparative Trends of IPRs granted/registered (and disposed)
Year | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18
Patents | 4,227 (11,411) | 5,978 (14,316) | 6,326 (20,429) | 9,847 (30,271) | 13,045 (47,695)
Designs | 7,178 (7,226) | 7,147 (7,218) | 7,904 (8,023) | 8,276 (8,332) | 10,020 (10,788)
Trade Marks | 67,876 (1,04,756) | 41,583 (83,652) | 65,045 (1,16,167) | 2,50,070 (2,90,444) | 3 00 913 (5,55,777)
Geographical Indication | 22 | 20 | 26 | 34 | 25
Semiconductor Integrated Layout Design | Transfer of Semiconductor Integrated Layout Design to DIPP/ CGPDTM in 2016-17 | | | Nil | NIL
Copyrights | Transfer of Copyrights to DIPP/ CGPDTM in 2016-17 | | | 3,596 | 19,997 (39,799)
Ref: IP India Annual Report
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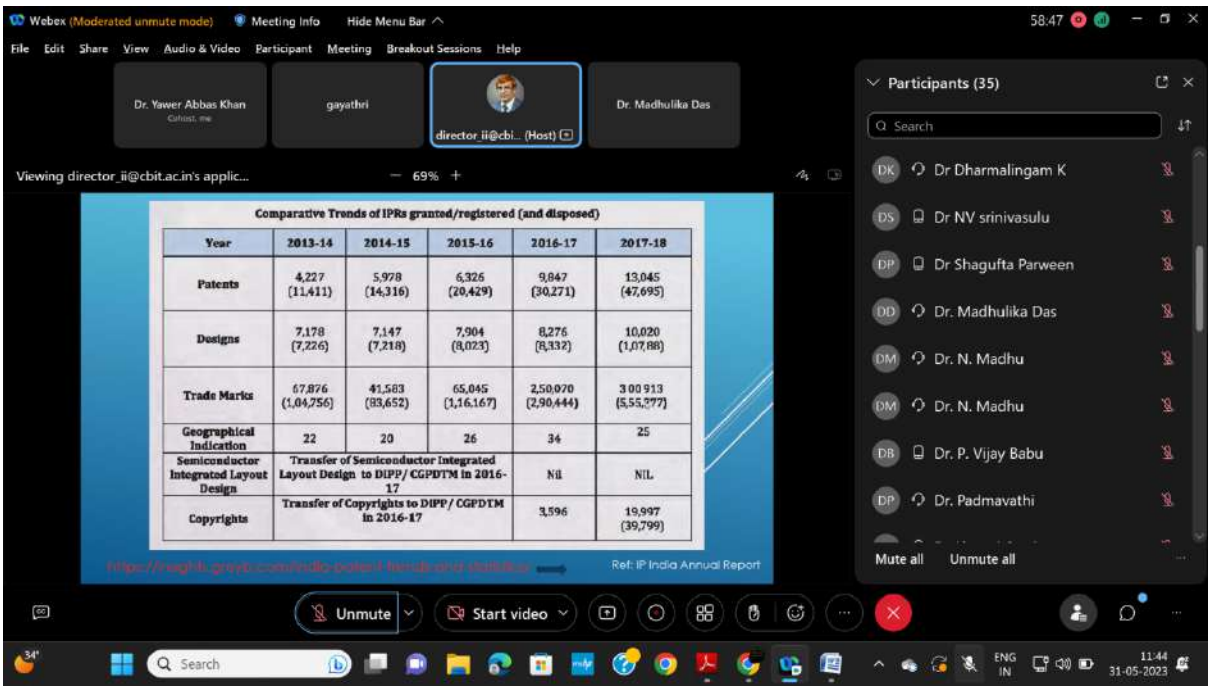
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Dr NV srinivasulu
Dr Shagufta Parween
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Comparative Trends of IPRs granted/registered (and disposed)
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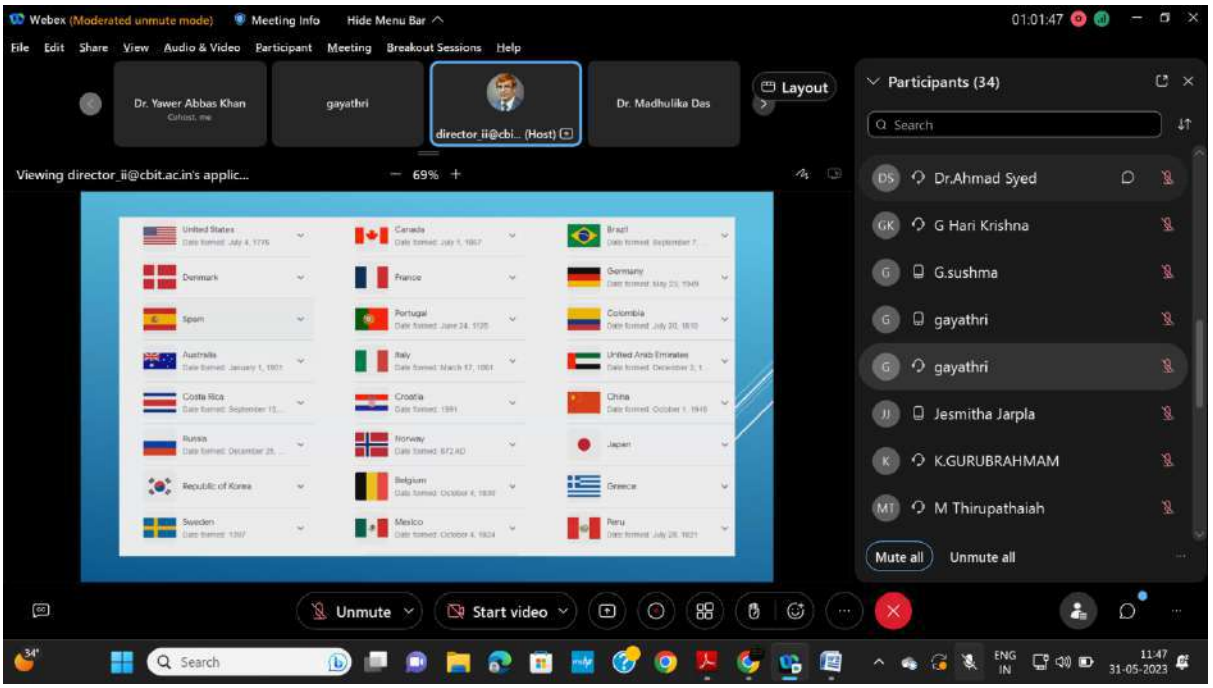
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Dr.Ahmad Syed
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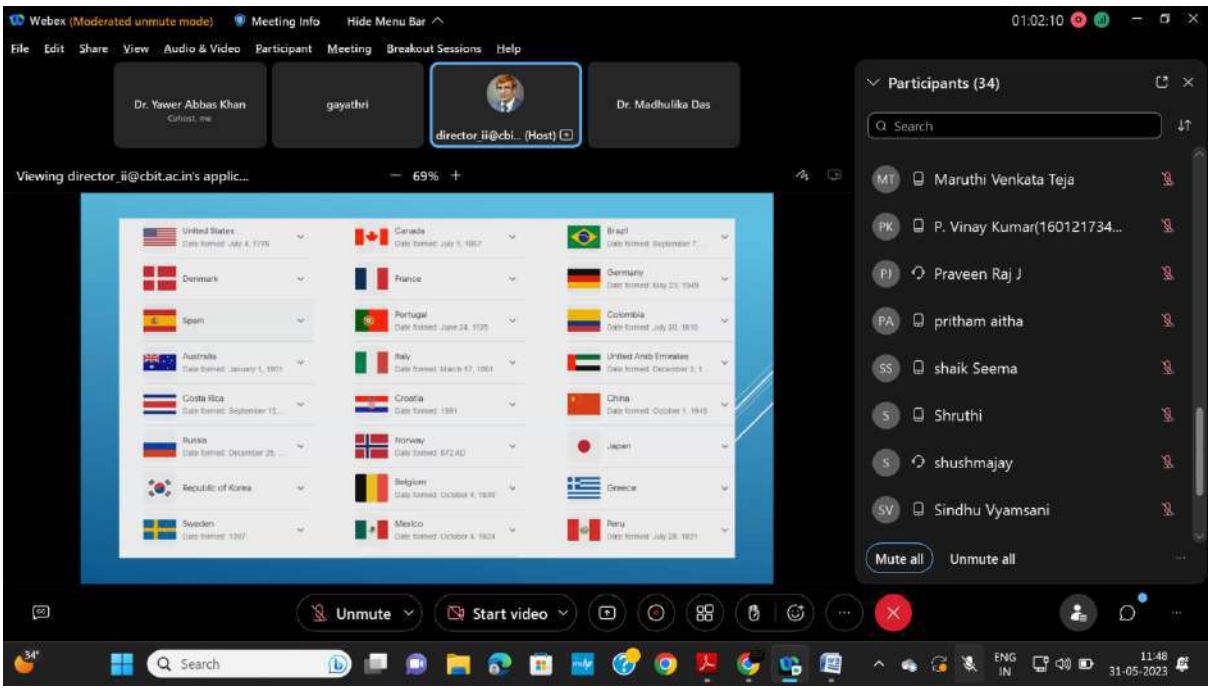
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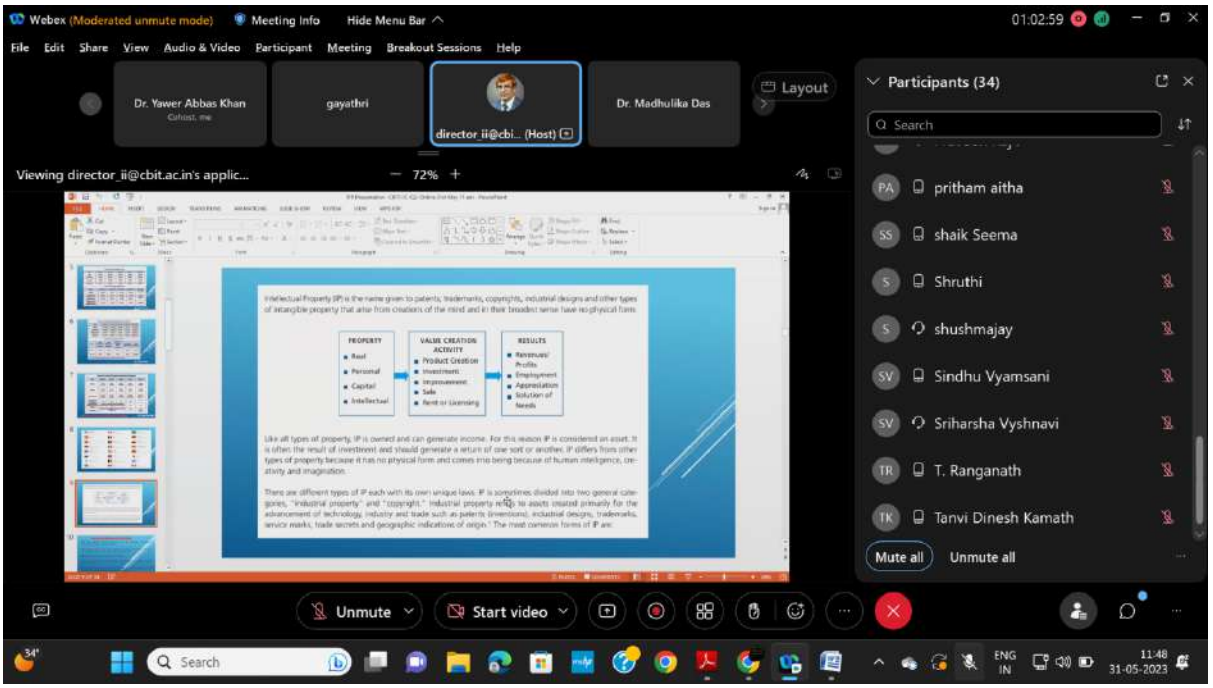
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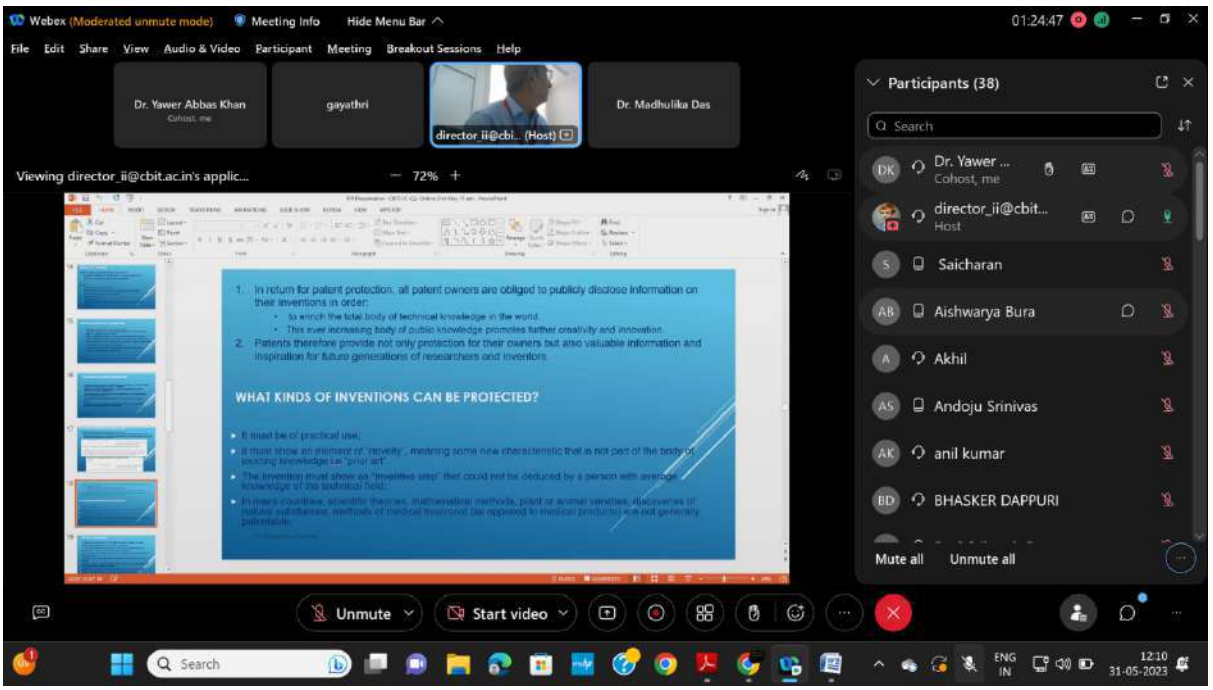
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to enrich the total body of technical knowledge in the world.
This ever increasing body of public knowledge promotes further creativity and innovation.
2. Patents therefore provide not only protection for their owners but also valuable information and inspiration for future generations of researchers and inventors
WHAT KINDS OF INVENTIONS CAN BE PROTECTED?
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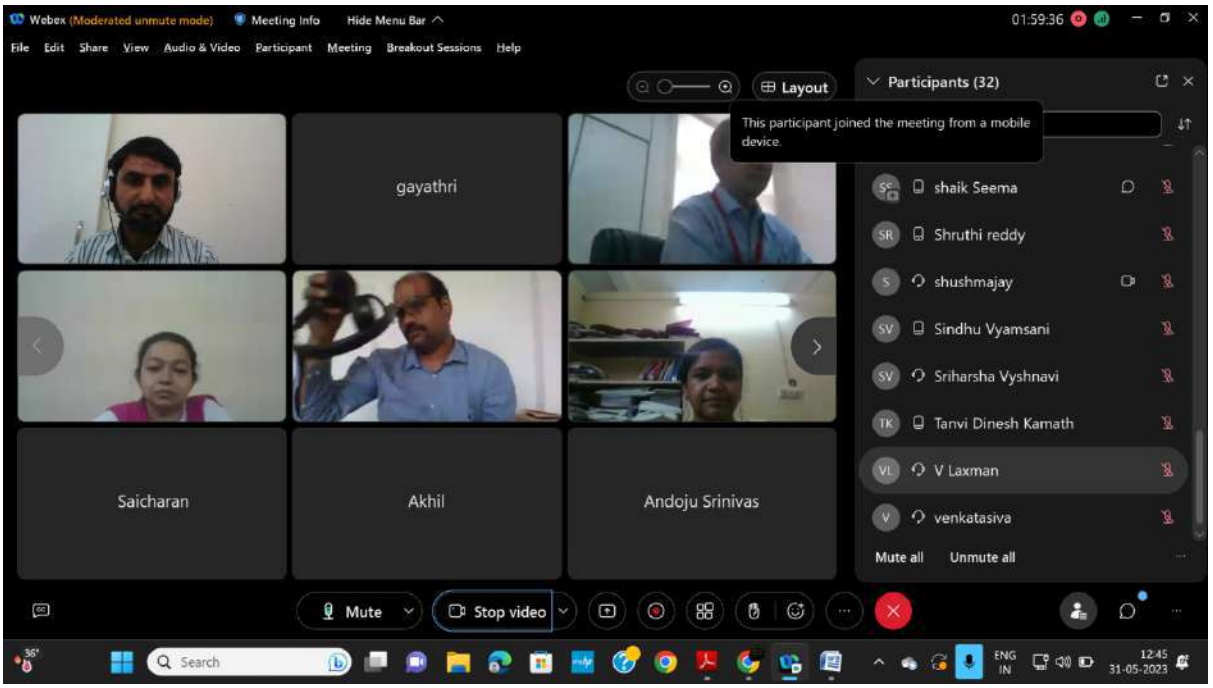
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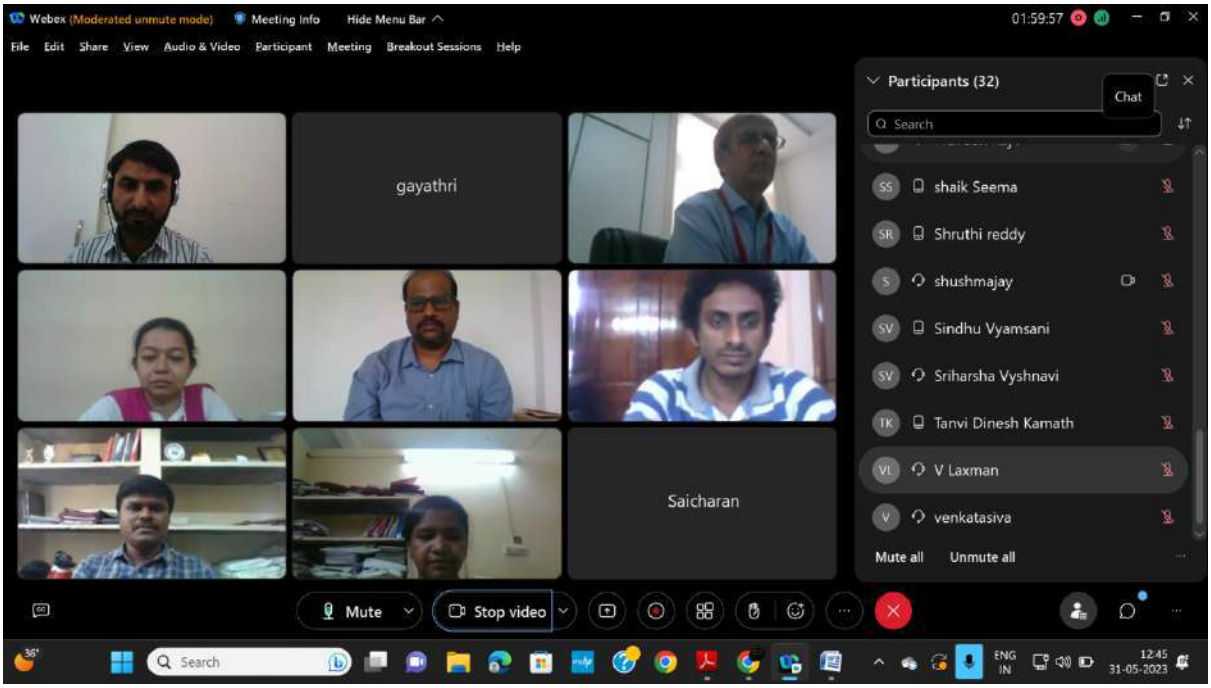
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"Creative India; Innovative India: रचनात्मक भारत; अभिनव भारत"

- The Union Cabinet has approved the National Intellectual Property Rights (IPR) Policy on 12th May, 2016 that shall lay the future roadmap for IPRs in India.
- The Policy recognises the abundance of creative and innovative energies that flow in India, and the need to tap into and channelize these energies towards a better and brighter future for all.
- The National IPR Policy is a vision document that encompasses and brings to a single platform all IPRs.
- It views IPRs holistically, taking into account all inter-linkages and thus aims to create and exploit synergies between all forms of intellectual property (IP), concerned statutes and agencies.
- It sets in place an institutional mechanism for implementation, monitoring and review. It aims to incorporate and adapt global best practices to the Indian scenario.

Ref: National IPR Policy

Kalam Program for IP Literacy and Awareness(KAPILA)

- To overcome the current limitations in our innovation ecosystem especially in our HEIs, a systematic holistic effort ‘KAPILA: Kalam Program for IP Literacy and Awareness’ is proposed.
- KAPILA sheme will create appropriate awareness regarding the need of IP filing, mechanism and methodology involved in filing IP in India and globally, especially amongst students and faculty of higher education institutions.
- KAPILA will help in establishing the much required IP filing ecosystem in large number of education institutions and thus create a culture of systematically protecting new ideas, research and innovation having national and global relevance.
- The objective of KAPILA is to recognise, facilitate and felicitate the Intellectual Property, innovations and best practices in HEIs.

Trends in IPR – At a Glance

INTRODUCTION

Filing of applications for protection of various Intellectual Property rights in IP offices under the administrative control of Controller General of Patents, Designs and Trademarks (CGPDTM) has been showing consistent growth over the years, in general. This year, overall filing of applications for various Intellectual Property rights (**3,50,546**) has been almost same as compared to the previous year (**3,50,467**). The increasing trend in filing of applications for Patents, Designs, Geographical indications and Copyright has been observed except for Trademarks where there is slight decrease as compared to 2016-17 .

Trends in last five years in respect of filing of intellectual property applications are shown below.

Application	2013-14	2014-15	2015-16	2016-17	2017-18
Patent	42,951	42,763	46,904	45,444	47,854
Design	8,533	9,327	11,108	10,213	11,837
Trade mark	2,00,005	2,10,501	2,83,060	2,78,170	2,72,974
Geographical Indication	75	47	14	32	38
Copyrights	Copyright administration shifted to DIPP/ CGPDTM in 2016-17			16,617	17,841
Semiconductor Integrated Layout Designs (SCILD)	SCILD administration shifted to DIPP/ CGPDTM in 2016-17				02
Total	**2,51,564**	**2,62,638**	**3,55,898**	**3,50,467**	**3,50,546**

Ref: IP India Annual Report

Trends in Patent Applications

Year	2013-14	2014-15	2015-16	2016-17	2017-18
Filed	42,951	42,763	46,904	45,444	47,854
Examined	18,615	22,631	16,851	28,967	60,330
Granted	4,227	5,978	6,326	9,847	13,045
Disposal	11,411	14,316	21,987	30,271	47,695

Trends in Design Applications

Year	2013-14	2014-15	2015-16	2016-17	2017-18
Filed	8,533	9,327	11,108	10,213	11,837
Examined	7,281	7,459	9,426	11,940	11,850
Registered	7,178	7,147	7,904	8,276	10,020
Disposal of Applications	7,226	7,218	8,023	8,332	**10,788**

Ref: IP India Annual Report

Trends in Trade Marks Applications for Last 5 Years

Year	2013-14	2014-15	2015-16	2016-17	2017-18
Filed	2,00,005	2,10,501	2,83,060	2,78,170	2,72,974
Examined	2,03,086	1,68,026	2,67,861	5,32,230	3,06,259
Registered	67,876	41,583	65,045	2,50,070	3,00,913
Disposal	1,04,756	83,652	1,16,167	2,90,444	**5,55,777**

Copyright Applications in 2017-18

Year	Total applications received	Total application examined	Register Of Copyright (ROC) generated	Discrepant letter issued	Total Disposal
2016-17	16617	16584	3596	12988	5444
2017-18	17841	34388*	19997	29309	**39799***

***This includes 8642 applications for which work is not received**

Ref: IP India Annual Report

Comparative Trends of IPRs granted/registered (and disposed)

Year	2013-14	2014-15	2015-16	2016-17	2017-18
Patents	4,227 (11,411)	5,978 (14,316)	6,326 (20,429)	9,847 (30,271)	13,045 (47,695)
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Copyrights	Transfer of Copyrights to DIPP/ CGPDTM in 2016-17			3,596	19,997 (39,799)

https://insights.greyb.com/india-patent-trends-and-statistics/

Ref: IP India Annual Report

United States
Date formed: July 4, 1776

Canada
Date formed: July 1, 1867

Brazil
Date formed: September 7, ...

Denmark

France

Germany
Date formed: May 23, 1949

Spain

Portugal
Date formed: June 24, 1128

Colombia
Date formed: July 20, 1810

Australia
Date formed: January 1, 1901

Italy
Date formed: March 17, 1861

United Arab Emirates
Date formed: December 2, 1...

Costa Rica
Date formed: September 15,...

Croatia
Date formed: 1991

China
Date formed: October 1, 1949

Russia
Date formed: December 25, ...

Norway
Date formed: 872 AD

Japan

Republic of Korea

Belgium
Date formed: October 4, 1830

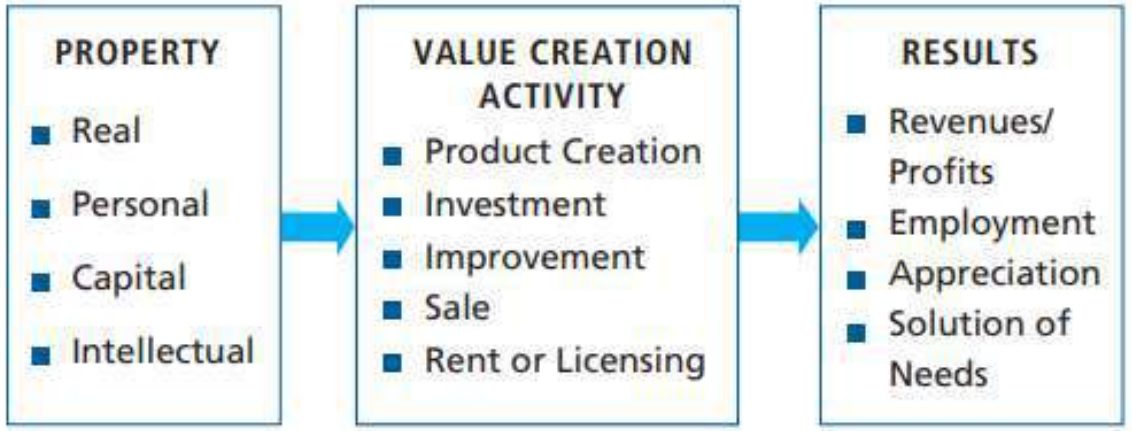
Greece

Sweden
Date formed: 1397

Mexico
Date formed: October 4, 1824

Peru
Date formed: July 28, 1821

Intellectual Property (IP) is the name given to patents, trademarks, copyrights, industrial designs and other types of intangible property that arise from creations of the mind and in their broadest sense have no physical form.



Like all types of property, IP is owned and can generate income. For this reason IP is considered an asset. It is often the result of investment and should generate a return of one sort or another. IP differs from other types of property because it has no physical form and comes into being because of human intelligence, creativity and imagination.

There are different types of IP each with its own unique laws. IP is sometimes divided into two general categories, "industrial property" and "copyright." Industrial property refers to assets created primarily for the advancement of technology, industry and trade such as patents (inventions), industrial designs, trademarks, service marks, trade secrets and geographic indications of origin.[1] The most common forms of IP are:

IPR initiative and its Importance

- IPR have gained special importance for the Industries, Researchers, Academicians, Artists and in all sectors.
- IPR protection plays a key role in gaining competitive advantage in terms of technological gains for achieving higher economic growth.
- IPR requires greater understanding and attention .
- More information, orientation and facilities for protecting their intellectual powers are to be provided.
- Majority of the countries have adopted strategies for implementing strong IPR protection for strengthening their industries and trades.
- Indian industries have also recognized its importance and adopting IPR as a business strategy for enhancing competitiveness.

MAJOR FACTORS

- Company brand, competition
- Entry Barriers
- Legal Monopoly
- Value creation
- Technological help to society and
- Intellectual asset is protected

WHAT IS INTELLECTUAL PROPERTY

- Intellectual property refers to creations of the mind:
  - inventions;
  - literary and artistic works; and
  - symbols, names and images used in commerce.
- Intellectual property is divided into two categories:

  1) Industrial Property includes
  - patents for inventions,
  - trademarks, industrial designs
  - and geographical indications.

  2) Copyright covers
  - literary works (such as novels, poems and plays), films, music,
  - artistic works (e.g., drawings, paintings, photographs and sculptures)
  - and architectural design.
  - Computer Program, formats

"Industrial property shall be understood in the broadest sense and shall apply not only to industry and commerce proper, but likewise to agricultural and extractive industries and to all manufactured or natural products, for example, wines, grain, tobacco leaf, fruit, cattle, minerals, mineral waters, beer, flowers, and flour."

Ref: WIPO Website

WHAT IS A PATENT?

A patent is an exclusive right granted for an invention –

- a product or process that provides a new way of doing something,
- or that offers a new technical solution to a problem.

Example:

- literary, artistic and scientific works;
- performances of performing artists, phonograms and broadcasts;
- inventions in all fields of human endeavor;
- scientific discoveries;
- industrial designs;
- trademarks, service marks, and commercial names and designations;

What kind of protection do patents offer?

- Protection against unfair competition; and
- "all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields".
- Patent protection means an invention cannot be commercially made, used, distributed or sold without the patent owner's consent.
- Patent rights are usually enforced in courts that, in most systems, hold the authority to stop patent infringement.
- Conversely, a court can also declare a patent invalid upon a successful challenge by a third party.

WHAT RIGHTS DO PATENT OWNERS HAVE?

- A patent owner has the right to decide who may – or may not – use the patented invention for the period during which it is protected.
- Patent owners may give permission to, or license, other parties to use their inventions on mutually agreed terms.
- Owners may also sell their invention rights to someone else, who then becomes the new owner of the patent.
- Once a patent expires, protection ends and the invention enters the public domain.
- the owner no longer holds exclusive rights to the invention, and it becomes available for commercial exploitation by others.

WHAT ROLE DO PATENTS PLAY IN EVERYDAY LIFE?

1. Patented inventions have pervaded every aspect of human life, from
   - Electric lighting (patents held by Edison and Swan) , Sewing machines (patents held by Howe and Singer),
   - magnetic resonance imaging (MRI) (patents held by Dr. Damadian) and the iPhone (patents held by Apple)
   - Many more such applications in our everyday life

On March 17, 1972 Armenian-American medical practitioner and inventor Raymond V. Damadian filed a patent for "An Apparatus and Method for Detecting Cancer in Tissue."

Damadian's patent 3,789,832 was granted on February 5, 1974. This was the first patent on the use of Nuclear Magnetic Resonance for scanning the human body, but it did not describe a method for generating pictures from such a scan, or precisely how such a scan might be achieved.

Raymond V. Damadian Files the First Patent for MRI

3/17/1972

Permalink

On March 17, 1972 Armenian-American medical practitioner and inventor Raymond V. Damadian filed a patent for "An Apparatus and Method for Detecting Cancer in Tissue."

1. In return for patent protection, all patent owners are obliged to publicly disclose information on their inventions in order:
    - to enrich the total body of technical knowledge in the world.
    - This ever increasing body of public knowledge promotes further creativity and innovation.
2. Patents therefore provide not only protection for their owners but also valuable information and inspiration for future generations of researchers and inventors.

WHAT KINDS OF INVENTIONS CAN BE PROTECTED?

- It must be of practical use;
- it must show an element of “novelty”, meaning some new characteristic that is not part of the body of existing knowledge i.e “prior art”.
- The invention must show an “inventive step” that could not be deduced by a person with average knowledge of the technical field.
- In many countries, scientific theories, mathematical methods, plant or animal varieties, discoveries of natural substances, methods of medical treatment (as opposed to medical products) are not generally patentable.

WHAT IS A TRADEMARK?

- A trademark is a distinctive sign that identifies certain goods or services produced or provided by an individual or a company.
- Its origin dates back to ancient times when craftsmen reproduced their signatures, or "marks", on their artistic works or products.
- Over the years, these marks have evolved into today's system of trademark registration and
- protection. The system helps consumers to identify and purchase a product or service
- based on whether its specific characteristics and quality – as indicated by its unique trademark – meet their needs.
- Trademarks may be one or a combination of words, letters and numerals.
- They may consist of drawings, symbols or three dimensional signs,
- The effects of the registration are, however, limited to the country (or, in the case of regional registration, countries)

WHAT IS AN INDUSTRIAL DESIGN?

- An industrial design refers to the ornamental or aesthetic aspects of an article.
- A design may consist of three-dimensional features, such as the shape or surface of an article, or two-dimensional features, such as patterns, lines or color.
- Industrial designs are applied to a wide variety of industrial products and handicrafts:
- from technical and medical instruments to watches, jewelry and other luxury items;
- from house wares and electrical appliances to vehicles and architectural structures; from textile designs to leisure goods.
- industrial design is primarily of an aesthetic nature.

How many types of IP Are in a Coca-Cola Bottle?

- **Utility Patent** in "tamper resistant cap design"
- **Trademark** in logos on label
- **Copyright** in text on label
- **Trade Dress** and **Design Patent** covering bottle shape
- Trade secret: the formula

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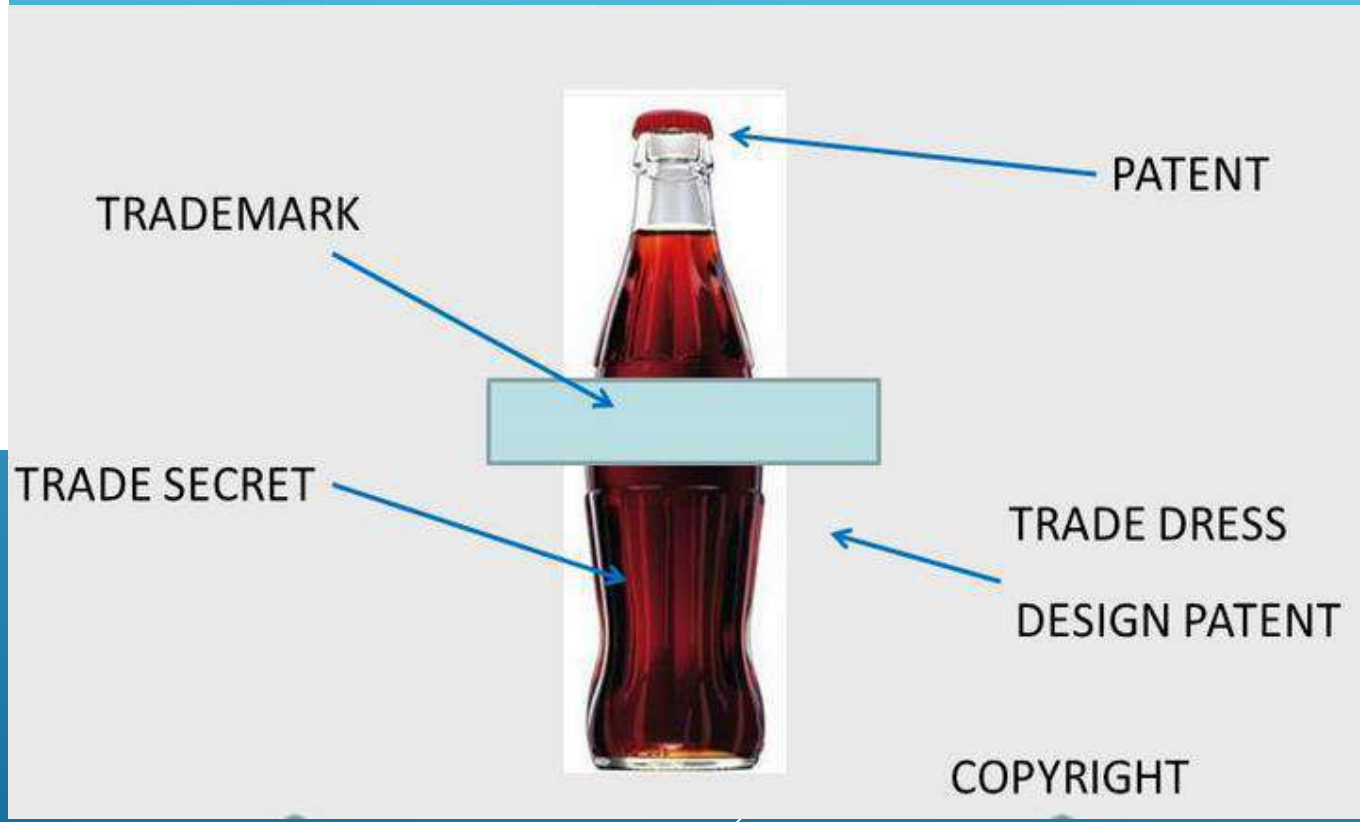


WHAT IS A GEOGRAPHICAL INDICATION?

- A geographical indication is a sign used on goods that have a specific geographical origin and possess qualities or a reputation due to that place of origin.
- The use of geographical indications is not limited to agricultural products.
- They may also highlight specific qualities of a product that are due to human factors found in the product's place of origin, such as specific manufacturing skills

GEOGRAPHICAL INDICATORS AND TRADITIONAL KNOWLEDGE

- Tirupati Laddu
- Darjeeling Tea
- Mysore Silk
- Kutchh Embrodery
- Feni
- Bikaneri Bhujia
- Nagpur Santra (Orange)
- Scotch Whisky
- Basmati Rice
- Neem as controlling Fungi in plants
- Haldi/Turmeric for healing wounds

TRADE SECRET

- The subject matter must be kept secret
- Capable of adding economic value
- Reasonable precautions and steps to be taken to keep it secret.
- The purpose is to ensure that no one claims protections for something which was flowing freely to competitors.

Famous Trade Secrets

Formula for Coca-Cola

The Big Mac Special Sauce

KFC Chicken Recipe

WD-40 Formula

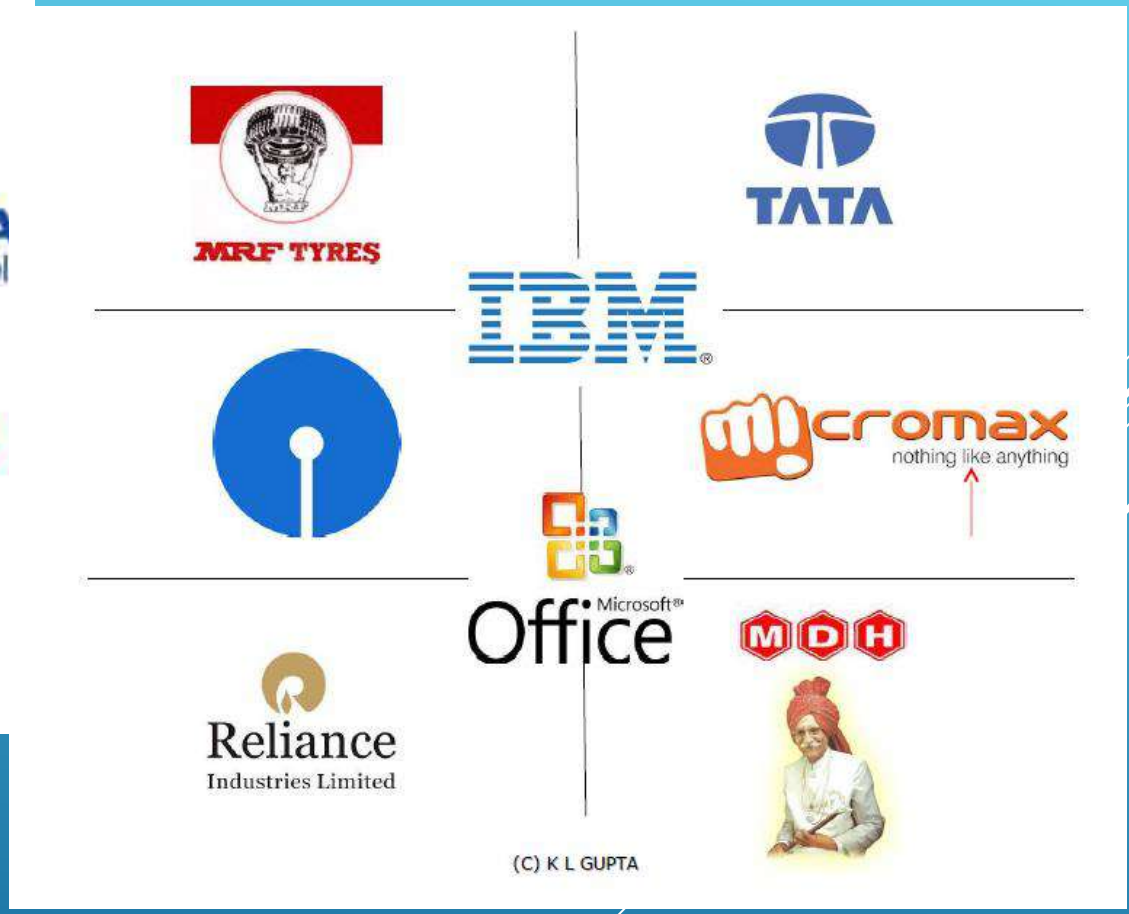
Ref: Internet Images

COPYRIGHT LAWS

Copyright laws grant authors, artists and other creators protection:

- for their literary and artistic creations, generally referred to as“works”.
- The beneficiaries are: performers (such as actors and musicians) in their performances; producers, Compact discs, DVDs in their sound recordings; and broadcasting organizations in their radio and television programs.
- Novels, poems, plays, reference works, newspapers, **advertisements**, **computer programs**, **software, databases**, films, musical compositions, choreography, paintings, drawings, photographs, sculpture, architecture, maps and **technical drawings**.

Ref: Internet Images



Some of the Trademarks

HOW TO FILE PATENTS/COPYRIGHT, PATENT COOPERATION TREATY(PCT) AND INTERNATIONAL PATENT. (FOLLOWING DETAILS WILL BE COVERED IN PART-II OF THE TALK)

Patent Specifications.

- Provisions Spec.
- Complete Spec.

Complete Specifications: Submission of Complete specification with following details are necessary to obtain a patent.

- Title of the Invention.
- Field to which the invention belongs
- Background of the invention
- Complete Description of the invention
- Drawings
- Claims

- Patenting Process, Fees Payable, Formats and Some Examples of Patents.

The parts of the patent application typically include the Background, Summary, Detailed Description and Drawings, Claims, and Abstract. The patent agent is unlikely to draft the patent application in this order and should ordinarily draft the claims first. This is because the claims are the heart of a patent. In reading a patent application:

- the Background section sets the stage for what is to come;
- the Summary section mirrors the claims;
- the Detailed Description and Drawings enable the claims by providing a sufficient technical disclosure of the invention;
- the Claims define the scope of exclusive protection, and
- the Abstract is primarily an aid for patent searchers and normally receives very little substantive review.

All these sections will be explained in more detail below.

Once a patent agent understands the invention he can begin preparing the patent application. The parts of the application are generally:

- claims
- detailed description (or specification)
- drawings
- background
- abstract
- summary

A patent agent will want to consider the patent application's title fairly early. This title should broadly describe the invention. However, titles are not generally examined. Occasionally a patent examiner will decide that a title is not descriptive of the invention. It is best to avoid being overly narrow in the invention's title, although the title should sufficiently indicate the subject matter of the invention.

The elements in a patent claim must have the correct antecedent basis. This means that the first time an element is introduced, the indefinite article "a" or "an" should be used. Later when referring back to previously introduced elements, the definite article "the" or "said" should be used. Proper antecedent basis is not just a good idea; like gravity, it is the law. The following set of claims will help explain proper antecedent basis:

1. *A device, comprising:*
   a pencil; and
   a light attached to the pencil.
2. *The device recited in claim 1 wherein the light is detachably attached to the pencil.*
3. *The device recited in claim 2 wherein the pencil is red in color.*

Notice that in Claim 1, we introduced the "pencil" for the first time by referring to it as "a pencil." In the same claim, we also introduced the light for the first time as "a light." However, when we wanted to specify that the light was attached to the pencil, we referred to the pencil as "the pencil." The use of the word "the" signaled that the pencil was the one we had previously defined in the claim. Otherwise, there would be ambiguity as to whether it was the same pencil or another pencil. The words "the" and "said" are interchangeable in claims drafting. ("Said" is old-fashioned legalese for the most part, while "the" is an attempt to make language more accessible to non-lawyers.)

The Patent Cooperation Treaty (PCT) is a multilateral treaty that became effective in 1978. The PCT is administered by the International Bureau of the World Intellectual Property Organization (WIPO) whose headquarters are in Geneva, Switzerland. The member countries of the PCT are called PCT Contracting States. As of August 1, 2006, there were 133 PCT Contracting States.

The PCT enables a patent applicant to file one "international" patent application to seek protection in any or all of the PCT Contracting States. The "international" patent application has the effect of filing a regular "national" patent application in each designated state[16] and it is important to understand that WIPO does not issue a "PCT patent" or "international patent" that provides protection in all the Contracting States.

Patents are granted or rejected by each PCT Contracting State or regional office individually under their respective patent laws. Thus, an applicant must still prosecute a patent application in each country or regional office in which he seeks protection and pay the national or regional fees.

The main advantage of filing a PCT application is the additional time gained before having to prosecute applications in other countries after the initial filing. Without the PCT the applicant generally has 12 months to file patent applications in other Paris Convention countries after filing the initial application. In contrast, by using the PCT the applicant has at least 30 months (and more in many countries) from the date of initial filing to begin prosecuting his application in other countries – effectively gaining 18 months. This delay provides time to obtain knowledge as to the patentability and commercial prospects of an invention. It also postpones the major costs of internationalizing a patent application such as paying national/regional fees, translating the patent application and paying fees to local patent agents in the various countries.

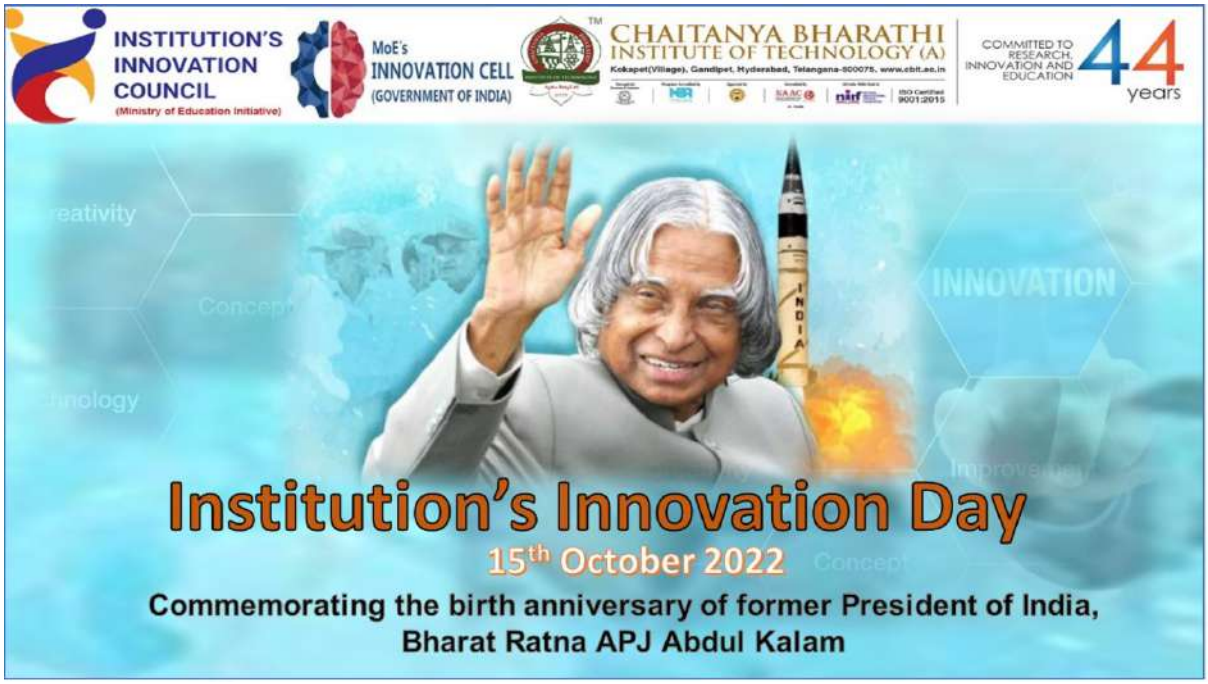
Many patent offices require claims to recite at least two elements. A patent claim without many limitations can be impossibly broad. One can readily see the necessity for this rule by comparing the following two claims:

Example 1. A computer, comprising:
a processor.

Example 2. A computer, comprising:
a processor;
a memory; and
a bus configured to transmit data between the memory and the processor.

The claim from the first example above does not tell the reader much about a computer other than that it is something containing a processor. Of course, the specification will define a processor for us and we can also assume that processors exist in the prior art. Thus, the applicant appears to be claiming anything that contains a processor especially if the preamble is not considered to be limiting. Such a claim is impossibly broad – it reads on a box in which a processor is shipped since we don't know anything more about computers other than that they are structures that contain processors. The second claim provides a lot more structure and definition for computers.

THANK YOU.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MoE's INNOVATION CELL
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44 years
INNOVATION
Institution's Innovation Day
15th October 2022
Commemorating the birth anniversary of former President of India,
Bharat Ratna APJ Abdul Kalam


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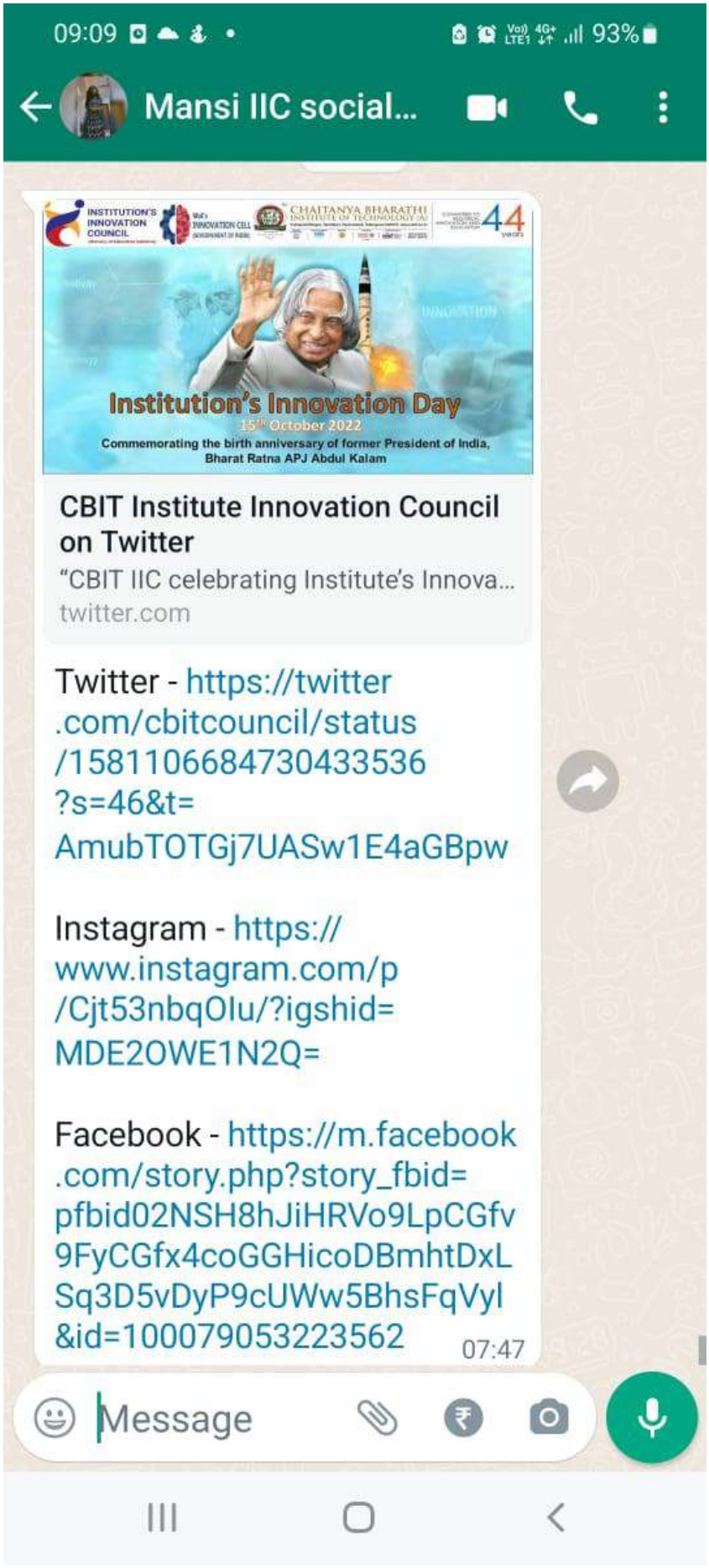
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075, www.cbit.ac.in
COMMITTED TO RESEARCH, INNOVATION AND EDUCATION
44 years
Innovation Day
Celebration by Engineering Departments
in the college "CBIT"
Venue: Department Seminar Halls
Date: 15-10-22
Sessions by Professors of the Department, ACIC Officials, Prof. & Director(I&I)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44 years
Institution's Innovation Day
15th October 2022
Commemorating the birth anniversary of former President of India, Bharat Ratna APJ Abdul Kalam
CBIT Institute Innovation Council on Twitter
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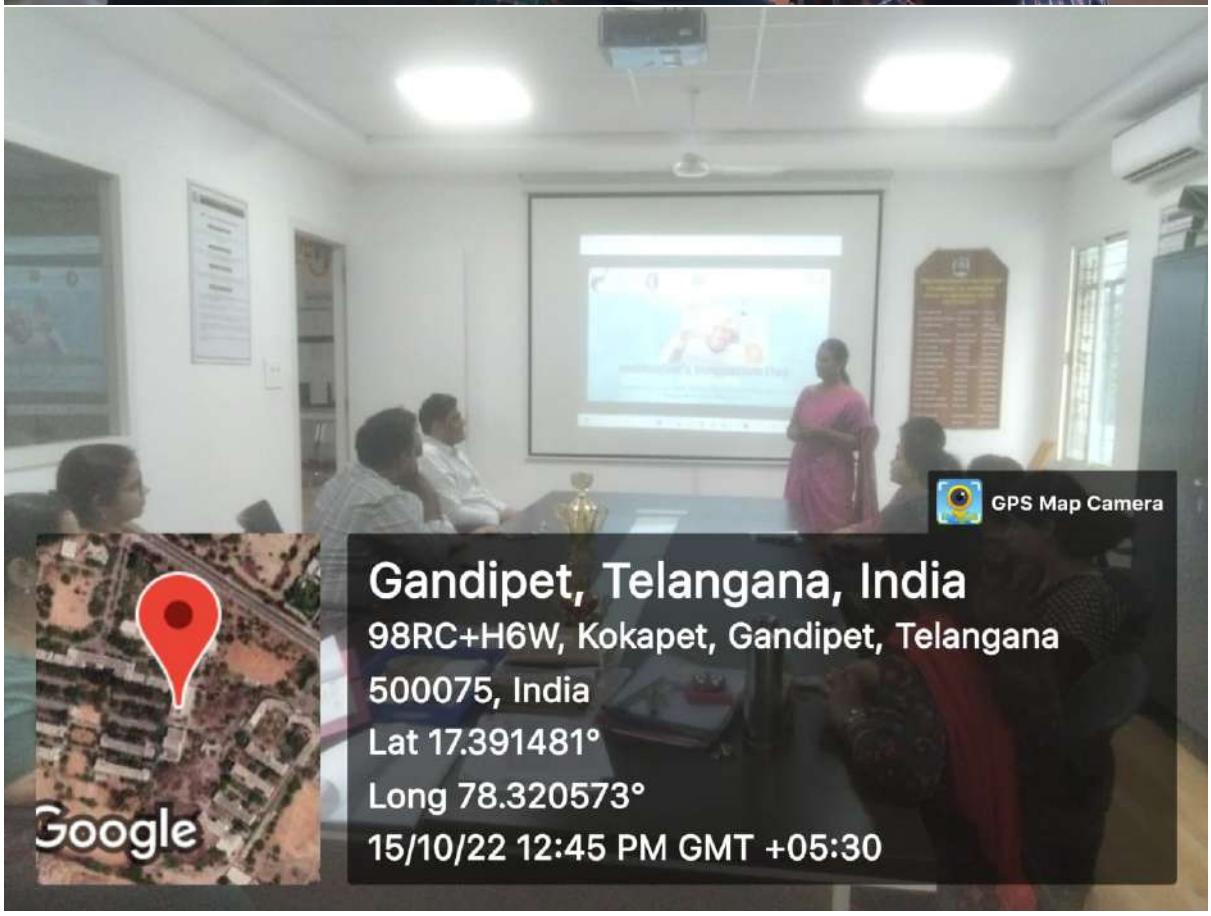
Message


Institution's Innovation Day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National Innovation Day Celebration
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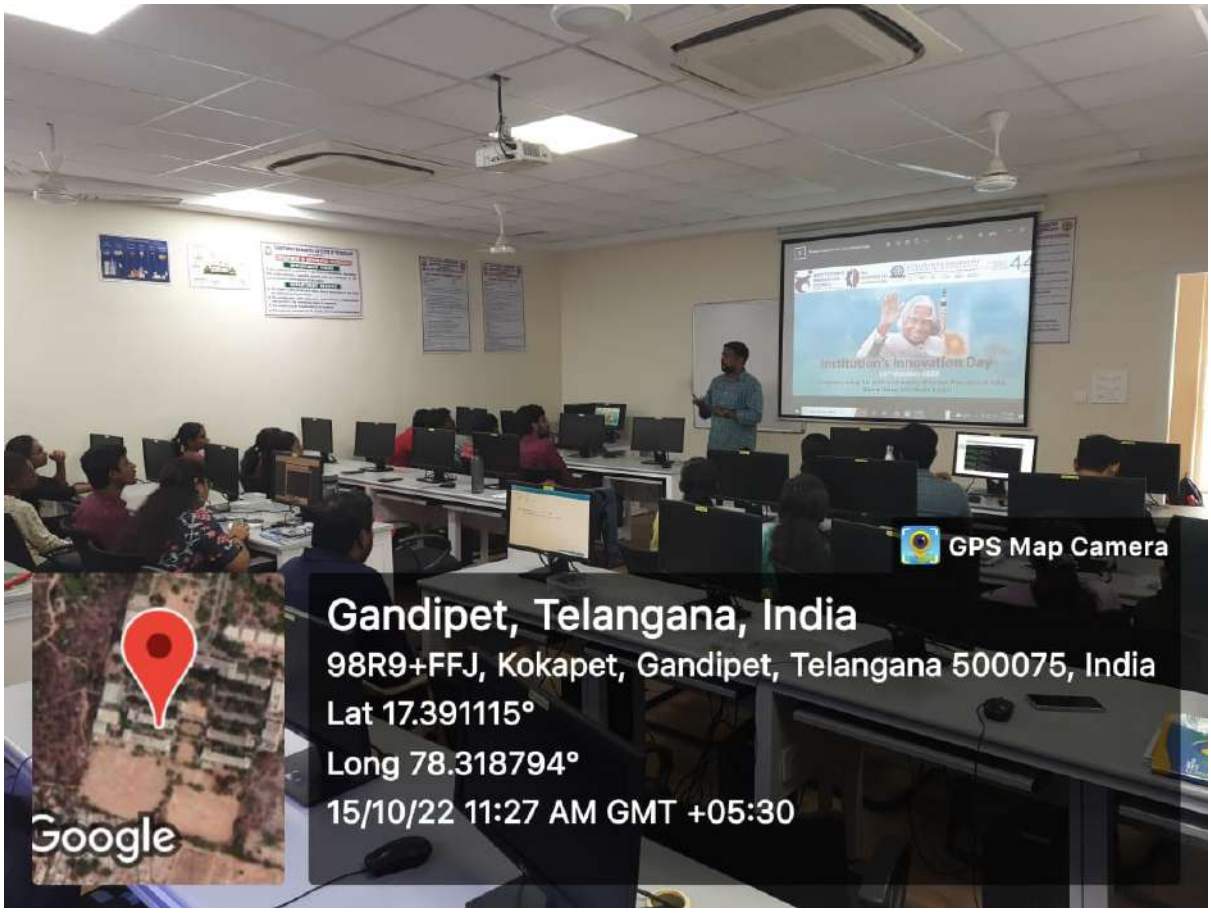
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Title of the Session: **Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit**

Speaker Profile: P RADHA KRISHNA PRASAD, Master of Engineering ,

33 years of Teaching Experience,12 JOURNAL Publications.

Date & Time: 25-02-2023 & 09:10 am.

Scope:

To inculcate the students the importance of Product market fit and offer the solution through the product or service which meets the requirement of customers.

Learning Outcome of the session:

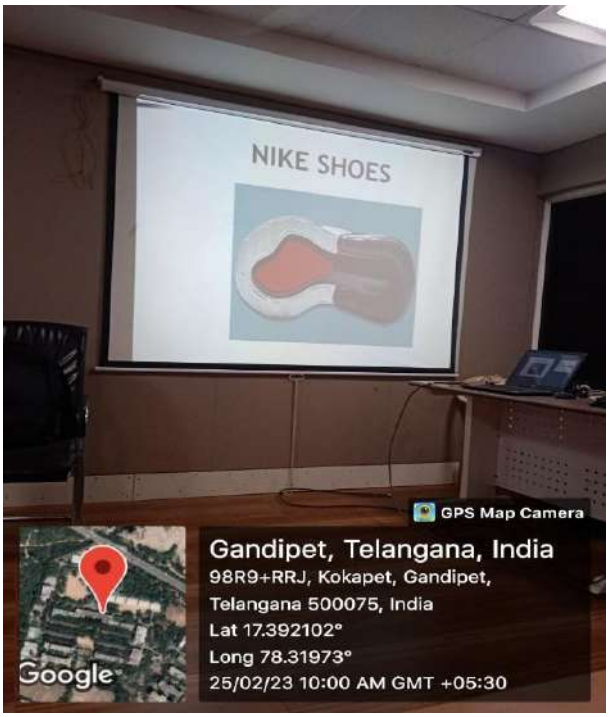
Audiences of the session have got the awareness of the factors to be taken into consideration while offering the solution like price of the product, price , place and promotion of the product.

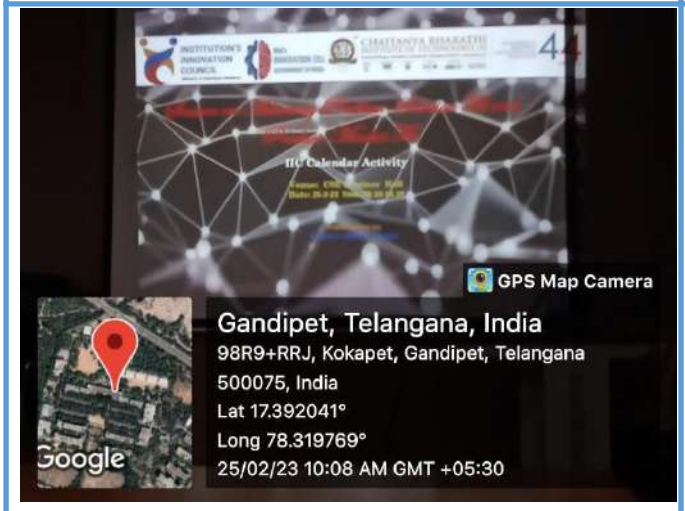
Number of Students Participated: 97

Number of Faculties Participated: 05

Poster:

Photographs of the session:





Information about future needs

These are probably the hardest questions to write in the survey

- Would you like to try New Toothbrush?
- If yes, which New Toothbrush would you prefer?
- Are you interested in buying New Toothbrush?
- If yes or maybe, how much would you be willing to pay for one New Toothbrush?

Marketing Mix

- Marketing is an important part of selling any new product by choosing a **marketing mix: product, price, place, and promotion.**
- Entrepreneurs and **businesses can communicate clearly and effectively with their target market** to create the best chance of success for their new product.

Marketing Mix

- It is combination of actions a business uses when selling
  - the right product,
  - for the right price,
  - at the right place,
  - at the right time.
- These are often described as the 4 P's.

Product

- A product is something sold by an enterprise to its customers.
- Anything that can be offered to a market for attention, acquisition, use, or consumption and that might satisfy a want or need.
- Includes: physical objects, services, events, persons, places, organizations, ideas, or some combination thereof.

Service

- A Service is a form of product that consist of activities, benefits, or satisfactions offered for sale that are essentially intangible and do not result in the ownership of anything
- A company's offer to the consumer often includes both tangible and intangible goods

Product Levels

- Product planners need to think about products and services on 5 levels
  - Core
  - Basic
  - Expected
  - Augmented
  - Potential

Expected Product

- Attributes buyers expected when they purchase a product
  - Four-zone climate control
  - Blind spot detection
  - Night vision

Product mix decisions

- Product Mix: all of the product lines and items that a particular seller offers for sale
- A product mix can possess
  - **Width** - The number of different product lines
  - **Length** - Total number of items the company carries within the product lines
  - **Depth** - Number of versions offered of each product in line

Place (Distribution)

The Second P, Place, describes where a product will be sold. When entrepreneurs and businesses are planning to sell a new product, they must decide

- Where the target market would want to buy the product, and
- How to get the product to the target market.

Place

Entrepreneurs and businesses also must decide

- whether to sell their product directly to the target market through their own stores or offices. Or
- to sell their product to other businesses who will then sell to the target market.

Price

- The Third P, Price describes the amount of money that people will pay for a product.
- For many products, the price people pay is related to what it costs for the business to provide that product.
- The difference between the price and the cost is profit.

Promotion

- The final P, promotion, describes **how people will learn about** the product. In other words, entrepreneurs and businesses must decide **how to communicate with the market** about the new product.
- This includes advertising and any **special pricing like sales and discounts** or other strategies to persuade people to try the product.

Title of the Session: Workshop on Design Thinking, Critical thinking and Innovation Design

Speaker Profile: Dr. B.V.S Rao, Assistant Professor, Mechanical Engineering Department.

Date & Time: 24-02-2023 & 02:00 pm to 04:00 pm.

Scope and Details:

- The scope covered process is to gain an empathic understanding , Define stage, you put together the information , Ideate , Prototyping and testing and co-relations among these processes.
- The first stage of the Design Thinking process is to gain an empathic understanding of the problem you are trying to solve.
- This involves consulting experts to find out more about the area of concern through observing, engaging and empathizing with people to understand their experiences and motivations.
- Immersing yourself in the physical environment so you can gain a deeper personal understanding of the issues involved
- During the Define stage, you put together the information you have created and gathered during the Empathise stage.
- This is where one will analyse your observations and synthesise them in order to define the core problems that you and your team have identified up to this point.
- one should seek to define the problem as a problem statement in a human-centred manner.
- During the third stage of the Design Thinking process, designers are ready to start generating ideas.
- To understand users and their needs in the Empathise stage, and analyse and synthesise observations in the Define stage, and ended up with a human-centered problem statement.
- It can increase your innovation opportunities
- Develop and refine those into better ones
- Helps you prioritize ideas and pick the most promising ones
- Open Innovation Culture
- Designers or evaluators rigorously test the complete product using the best solutions identified during the prototyping phase.
- This is the final stage of the 5 stage-model, but in an iterative process, the results generated during the testing phase are often used to *redefine* one or more problems

Number of Students Participated: 47

Number of Faculties Participated: 03

Poster:

Photographs of the session:

Title of the Session: Innovation and Sustainable development Technology for Process Industries

Speaker Profile: Sri Mikkilineni Akkaiah Chowdary, Retd. General Manager, Indian Oil Corporation Limited(Refineries Division)

Date & Time: 31-01-2023 & 11:10 am.

Scope:

- From the transformation from the early use of fire and animal power that improved lives.
- To the present world with use of electricity and cleaner sustainable fuels for a multitude of purposes – energy has been the enabler of development.
- Energy presents a fundamental need ranging from, but not limited to, the essential services of cooking, heating, cooling, lighting, mobility, and operation of appliances, to information and communications technology, and machines in every sector.
- The lack of access to reliable and clean energy supplies is now considered as a major barrier to improving human wellbeing around the globe.
- In his talk, Sri M. Akkaiah Chowdary has given an overview of the energy scenario in India and the sustainable development initiatives at refineries.
- The major initiatives adopted by refineries so far is to improve the quality & efficiency of operations to reduce emissions such as: Implementation of BS-VI fuels across the country

Learning Outcome of the session:

As we embark on economical production of use of hydrogen for mobility and other energy needs, future refineries would be more focussed towards enhancing the petrochemicals intensity which would call for significant investments in upgrading the existing the refineries as well as setting up future refineries targeting lower production of transportation fuels and higher conversion to petrochemicals.

Number of Students Participated: 48

Number of Faculties Participated: 06

Poster:

Photographs of the session: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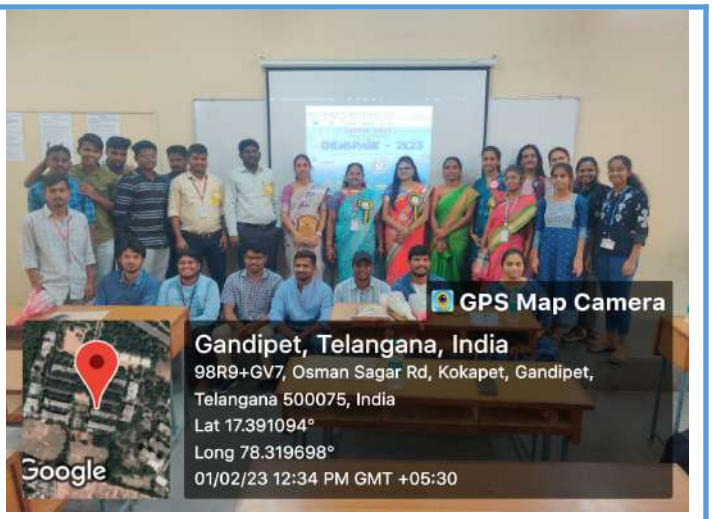
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HOW LONG DOES
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Title of the Session: **Organising Innovation & Entrepreneurship Outreach Program in Schools/Community**

Speaker Profile 1: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT(A)

Former Executive Director Corporate R&D and Corporate Technology ,angement, BHEL (38 years of Industrial R&D Experience , 3 years Collaboration and Joint Venture)

Speaker Profile 2: Dr. B.V.S Rao, Assistant Professor, Mechanical Engineering Department.

Date & Time: 25-02-2023 & 8:30 am.

Link:https://www.linkedin.com/in/dr-umakanta-choudhury-94a89a131/details/skills/?detailScreenTabIndex=0

Scope:

An outreach program in schools or the community is a way to engage with and support individuals and groups who may not have access to certain resources or opportunities.

Learning Outcome of the session:

- To increase awareness of a particular issue, improve health outcomes, or provide educational opportunities.
- This could be a specific demographic, such as low-income families or seniors, or a geographic area, such as a particular neighborhood or region.

Participant Students attended: 47

Participant Faculty attended: 07

Poster:

Photographs of the session:

Title of the Session: Ideathon Empowering Minds with AI

Judges Profile:

Prof. M Swamy Das (Head of CSE & Joint Director-Academics), Prof. U.K. Choudhury (Advisor I&I) & Mr. Tharun Sai Erukulla (Founder, Find Hope NIT A '21), Dr. Nishant , Consultant for the startup project (Find Hope NIT A '21).

Date & Time: 28-06-2023 to 1-07-2023 & 10:00 am.

Scope:

- This is an event which brings the participants an opportunity to showcase their innovative ideas related to the specified domains for business, start-up or innovation.
- Theme based interdisciplinary ideas regarding sustainable development are being invited for students and innovators irrespective of branch.
- The objective of this Ideathon is to brainstorm and develop ideas that utilize AI to enhance cognitive capabilities, improve learning outcomes, and promote personal growth. We want to encourage participants to think outside the box and come up with creative solutions that can empower individuals in different areas of their lives.

Learning Outcome of the session:

- Form teams: Participants can form teams consisting of 2-5 members with diverse backgrounds and expertise.
- Idea generation: Each team will brainstorm ideas within the designated themes and come up with a concept that aligns with the theme.
- Solution development: Teams will work on developing a detailed solution, including AI algorithms, data requirements, user interfaces, and potential implementation strategies.
- Presentation: Teams will present their ideas and solutions to a panel of judges, explaining the potential impact, feasibility, and scalability.
- Evaluation criteria: The ideas will be evaluated based on innovation, potential impact, technical feasibility, scalability, and presentation quality.

Number of Students Participated: 87

Number of Faculties Participated: 07

Poster:

Photographs of the session:

Conclusion :

Chaitanya Bharathi Institute of Technology (CBIT) Business Incubator in collaboration with FindHope (an impact startup for student mental health) and Osmania Technology Business Incubator co-organized an IDEATHON on 28th June 2023 at CSE Seminar Hall of CBIT Hyderabad. The project is funded by SISF (Startup India Seed Fund) & MEITY TIDE 2.0 from the Govt. Of India via the SRIX Incubator & ALEAP wehub. Out of 100+ applicants around 28 were shortlisted to present their ideas and share their experiences towards the usage of Artificial Intelligence for empowering Mind through mental health Chatbot Khushi developed by the start-up. The panel of judges evaluated the participants based on their presentations, ideas, empathy, and feasibility and selected the top 5 finalists, namely,

- ➔ Keerthi KS
- ➔ Alekhya Motta
- ➔ Ch. Manichegu
- ➔ Swaraali Sharma
- ➔ Sri Sai Mahith

As a special case two more students Ch Ajith Sai Juweriah

Were also selected as their presentations were very convincing. These seven qualified students will join for the final evaluation round to be held on 1st July 2023 at Osmania Technology Business Incubator. Prof. Ravinder Reddy, Principal, CBIT, Dr Umakanta Choudhury, Prof. & Advisor(I&I), and Prof. Swamydas, HoD, CSE congratulated the winners and encouraged all students to participate in Ideations being conducted by various organizations. Mr. Tharun Sai, The Startup CEO and Dr. Nishant , Consultant for the startup project, and Mr. Suraj, the Operations Manager of the startup were present during the occasion.

<u>Title of the Session:</u> Workshop on "Entrepreneurship and Innovation" as Career Opportunity

Speaker Profile: Jyotsna Cheruvu, Director- CMAC India Pvt Ltd President , COWE–Telangana

Date & Time: 10-10-2022 & 11:00 am.

Scope:

1. Develop and strengthen the entrepreneurial spirit among students

2. To identify the role of innovation in the current scenario

3. Know the pros and cons of being an entrepreneur.

Learning Outcome of the session:

1. Increase of awareness and how to practice the skills and disciplines necessary to increase confidence

2. Develop entrepreneurial and innovative mindset

3. To respond positively and effectively to problems in unfamiliar contexts

No. of Students attended: 83

No. of faculty attended: 10

Poster:

Photographs of the session:

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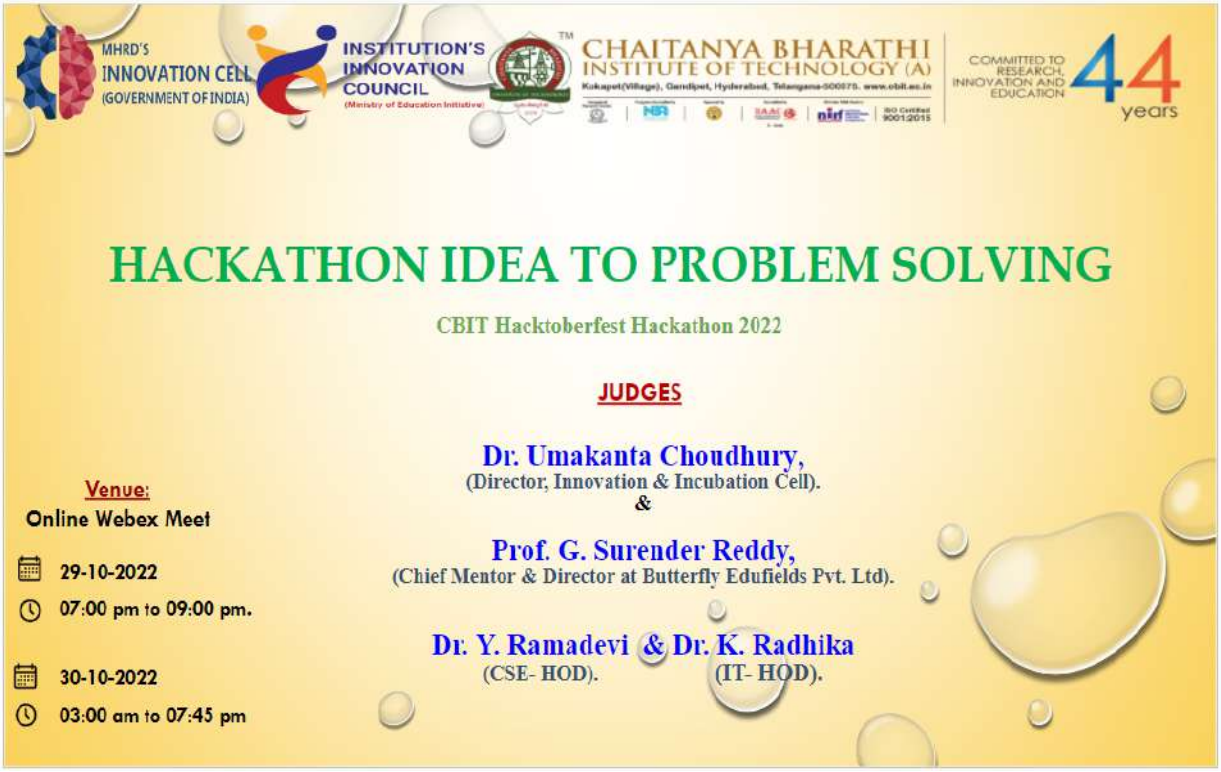
CBIT Hacktoberfest Hackathon 2022

7PM of 29th October, 2022 to 7PM of 30th of October, 2022

Organized By CBIT Open Source Community



Coordinators.

Dr. G. Vanitha
Incharge, COSC

Dhruv Saxena
President, COSC

Dr. T. Prathima
Incharge, COSC

CBIT HACKTOBERFEST HACKATHON 2022

WHAT IS THE HACKTOBERFEST?

Hacktoberfest is Digitalocean's annual event that encourages people to contribute to open source throughout October. Much of modern tech infrastructure—including some of Digitalocean's own products—relies on open-source projects built and maintained by passionate people who often don't have the staff or budgets to do much more than keep the project alive. Hacktoberfest is all about giving back to those projects, sharpening skills, and celebrating all things open source, especially the people that make open source so special.

For the past 9 years, thousands of people—coders and non-coders alike—have participated in Hacktoberfest to support the projects they use and love, learn and practice skills that will enhance their careers, and meet new people who love open source as much as they do.

THE 24 HOUR HACKTOBERFEST HACKATHON

A hackathon is an event that brings students together and creates a collaborative environment for solving a certain problem. The goal of hackathon is brainstorming, team building, inspiring entrepreneurship, increasing engagement, and streamlining awareness. A 24 hour hackathon imposes a time constraint which helps students to develop quick thinking and fast analysis.

The problem statement specifies the particular issue/ problem in different domains like education, healthcare, agriculture, and transportation among others. As it was an online event, it brings together students, especially from a tech background with similar interests, to innovate, brainstorm, and solve various challenges and the best way to achieve this would be through open-source.

Event Dates: 29-10-2022 & 30-10-2022

Event Website: https://cbitosc.github.io/hacktoberfest22/

JUDGES & MENTORS

Judges:

Dr. Umakanta Choudhury,
Director, Innovation & Incubation Cell

Prof. G. Surender Reddy,
Chief Mentor & Director at Butterfly Edufields Pvt. Ltd.

Dr. Y. Ramadevi
Head of the Department, Computer Science and Engineering at Chaitanya Bharathi Institute of Technology

Dr. K. Radhika
Head of the Department, Information Technology at Chaitanya Bharathi Institute of Technology

Mr. R. Srikanth
Assistant Professor of Computer Science Engineering at Chaitanya Bharathi Institute of Technology

Dr. T. Prathima
Assistant Professor of Information Technology at Chaitanya Bharathi Institute of Technology

Dr. G. Vanitha
Assistant Professor of Computer Science Engineering at Chaitanya Bharathi Institute of Technology

Ms. S. Durga Devi
Assistant Professor of Computer Science Engineering at Chaitanya Bharathi Institute of Technology

Mr. Preethivardan Anusri Ega
Associate Software Engineer at Service

Mr. Saurabh Challawar
Software Engineer 1 at F5 Networks

SCHEDULE

Day 1 - 28th October, 2022

7:00PM: Session by stuMagz
7:30PM: Git & GitHub Introductory Session

Day 2 - 29th October, 2022

7:00PM: Inaugural Ceremony
7:45PM: Session by Smart Interviews
8:30PM: Problem Statements Released
8:45PM: Problem Statement Selection
9:00PM: Coding Begins

Day 3 - 30th October, 2022

3:00AM: Ice Breaker Session -
1 9:00AM: Ice Breaker Session
- 2 2:00PM: Coding Ends
2:45PM: Submissions Closed
4:00PM: Presentations
7:30PM: Session by Caravel.Tech
7:45PM: Closing Ceremony

ORGANIZERS

Organized By CBIT Open Source Community

Faculty Coordinators

Dr. G. Vanitha

Dr. T. Prathima

Core Committee

Dhruv Saxena, President

Gopal Matcha, Vice-President

Arshia Parveen, General Secretary

Nikhil Maroju, General Secretary

Roopika Ponnur, General Secretary

Asritha Reddy Devalla, Joint Secretary

Bhavana Kodali, Joint Secretary

Meghana Sreeya Veeramallu, Joint Secretary

Peddi Sai Lohith, Joint Secretary

Nishanth Artham, Joint Secretary

Aditya Yerabati, Head of External Affairs

DEMOGRAPHICS

This year's edition saw a turnaround of 516 participants with 105 teams registering for the event. Apart from students of CBIT, we saw students pouring in from VNR Vignana Jyothi Institute of Engineering and Technology, G. Narayanamma Institute of Technology, CVR College of Engineering, Mahatma Gandhi Institute of Technology, Vasavi College of Engineering, CMR Institute of Technology, Keshav Memorial Institute of Technology, Kakatiya Institute of Technology and Science, Muffakham Jah College of Engineering and Technology, Sri Venkateswara College of Engineering, Jawaharlal Nehru Technological University Hyderabad, Gokaraju Rangaraju Institute of Engineering and Technology, MLR Institute of Technology and various other prominent institutions.

PROJECTS & WINNERS

The Hackathon consisted of **27 Problem Statements spread across varying domains such Healthcare, Tourism & Education to name a few.** The participants collaborated over Discord and GitHub to develop solutions to their problem statements and submit their project ideas for evaluation. Few of the Problem Statements include:

CBIT Student Help Desk

In order for students to resolve their queries with higher authorities a portal should be developed such that students can post their queries and admin has to allocate the query to designated college authority.

Health Monitoring System

The lack of successive check-ups and infrequent monitoring of a patient's health status are among the primary reasons for the lapses in the healthcare industry. Create a simple and efficient consultation platform where Doctors or Health Care officials can monitor a patient’s daily progress, schedule successive checkups and monitor the patient’s health status.

Tourism for Rural India

Create a platform to display tourist places in rural areas to the user. And also equally emphasizes the rural community to bridge the knowledge gap by offering appropriate tour guides, users can connect with tour guides to explore the rural places

E-Courses for students

Create a platform where instructors can upload courses with detailed descriptions and contents of the course, costs, and discounts from where students can choose the courses they need and add them to their cart. This application can also include reviews and feedback sections.

Live Score chatbot

Create a chatbot in a chat app to take commands from the user and serve the information requested (any sport of your choice) as required.

Blood Bank Finder

Build an application where any blood donor can check the nearest blood bank to donate blood and hospitals can view the available blood transfusion bags for the required blood group.

Sign Language detection
Develop an application where the user can upload a hand gesture image or capture it through a webcam and then display the text related to that gesture.

Teams were categorized into five panels based on the problem statements opted by them. The Hackathon culminated with the panelists deciding the best team from each panel based on the solution proposed and the uniqueness of the idea. The following teams were the winners from the corresponding panels:

- Doctor Consultancy (Team 42)
- Sign Language Detection (Team 29)
- Disease Prediction (Team 52)
- Project Task Scheduler (Team 36)
- Placements Management System (Team 22)

PRIZES & TOKENS OF APPRECIATION WINNERS AWARDS

Top 4 teams get:

- Cash prize of INR 1000 to each member from Smart Interviews
- Interview opportunity regarding internship with Caravel.Tech

Top 5th team gets:

- Cash prize of INR 1000 to each member from Smart Interviews
- Goodies from Caravel.Tech

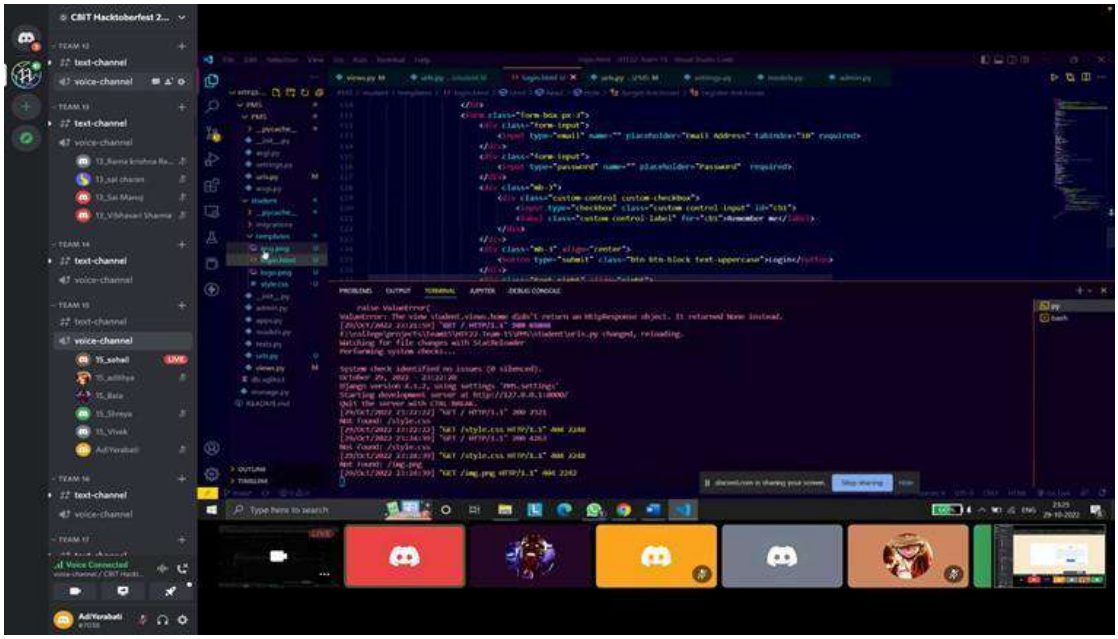
RUNNERS' AWARDS

Top 5 teams get:

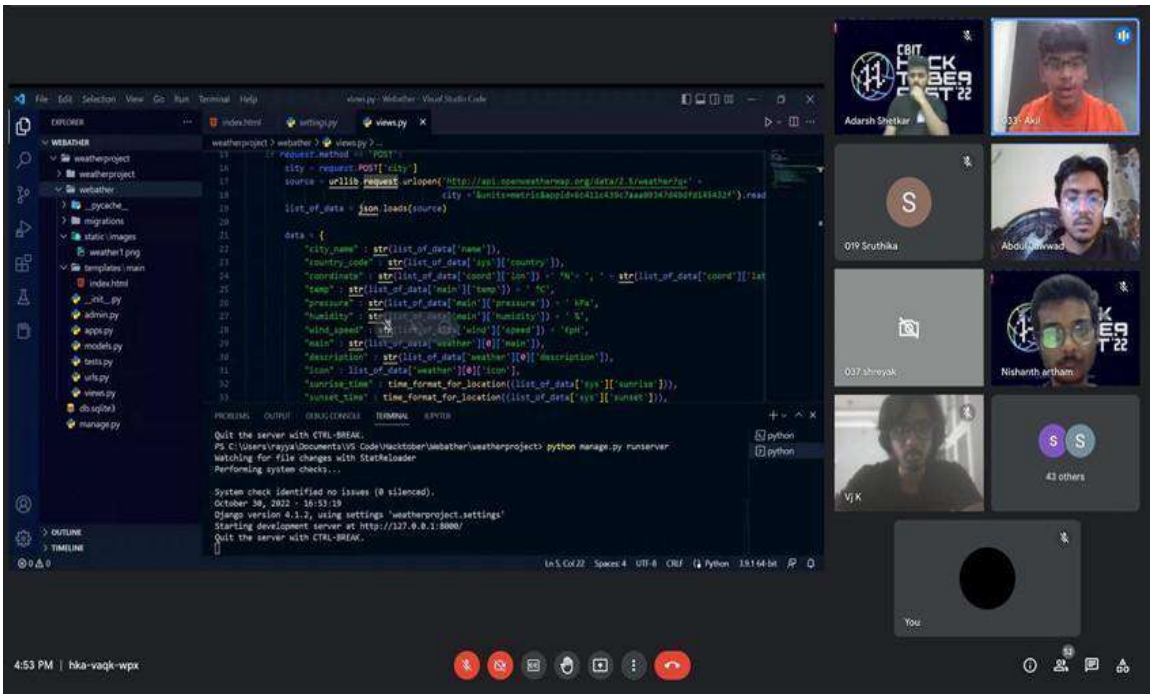
- Gift card worth INR 500 to each member from Kalven Tech
- Exclusive 50% off on CareerX courses offered by stuMagz

As a token of appreciation to all participants, we've requested stuMagz to give an exclusive 25% off on CareerX courses.

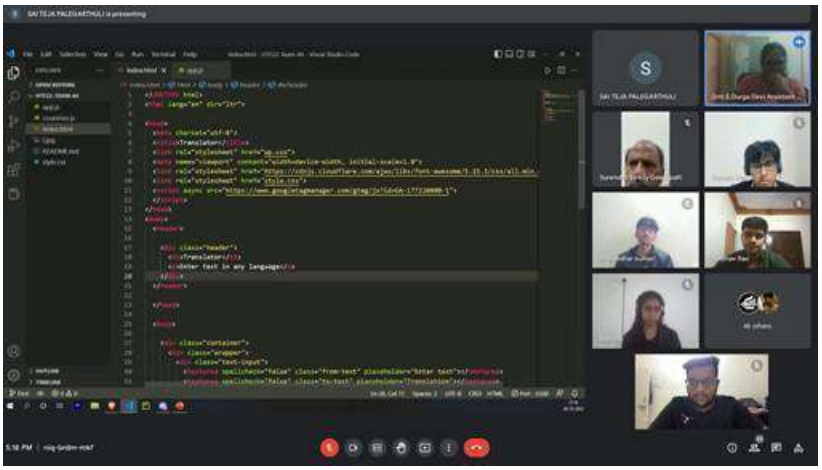
PICTURES

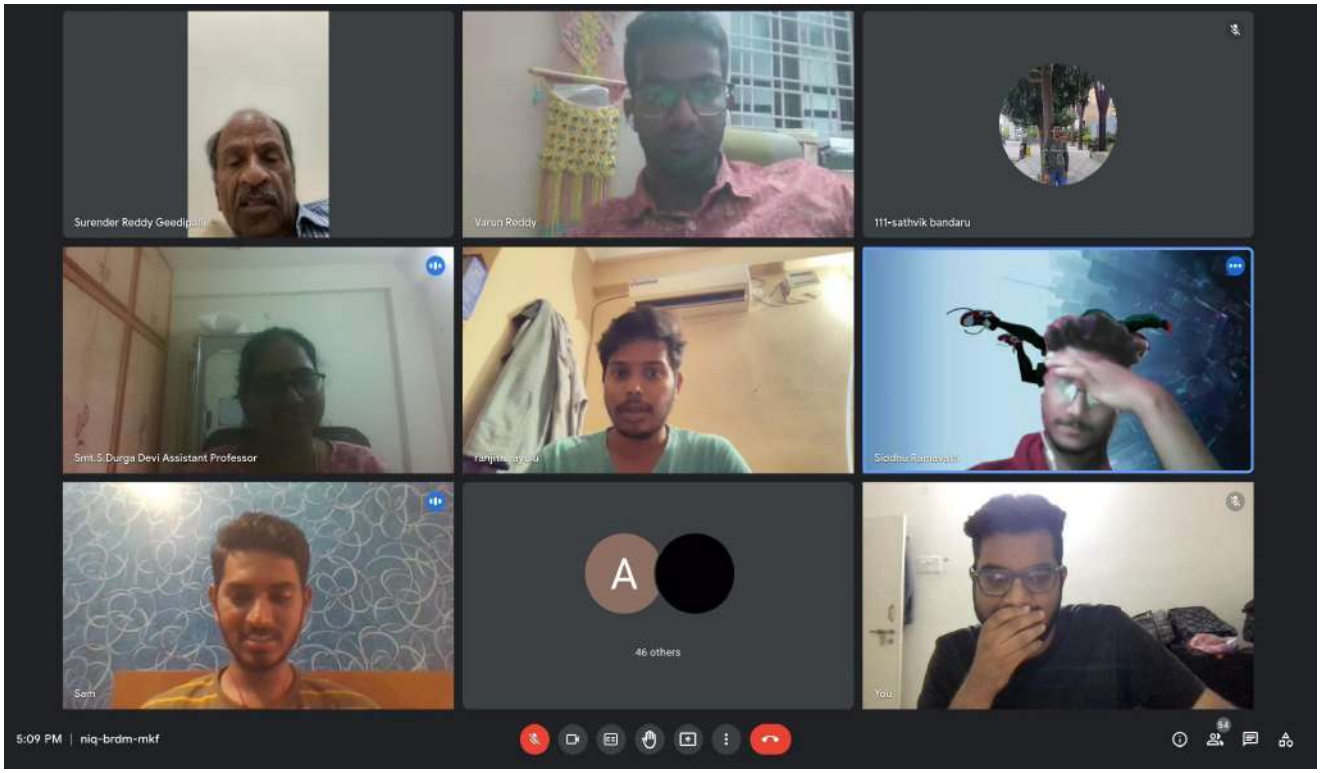


During the Hackathon



Ice Breaker Sessions




Surender Reddy Geedipalli
Varun Reddy
111-sathvik bandaru
Smt.S.Durga Devi Assistant Professor
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46 others
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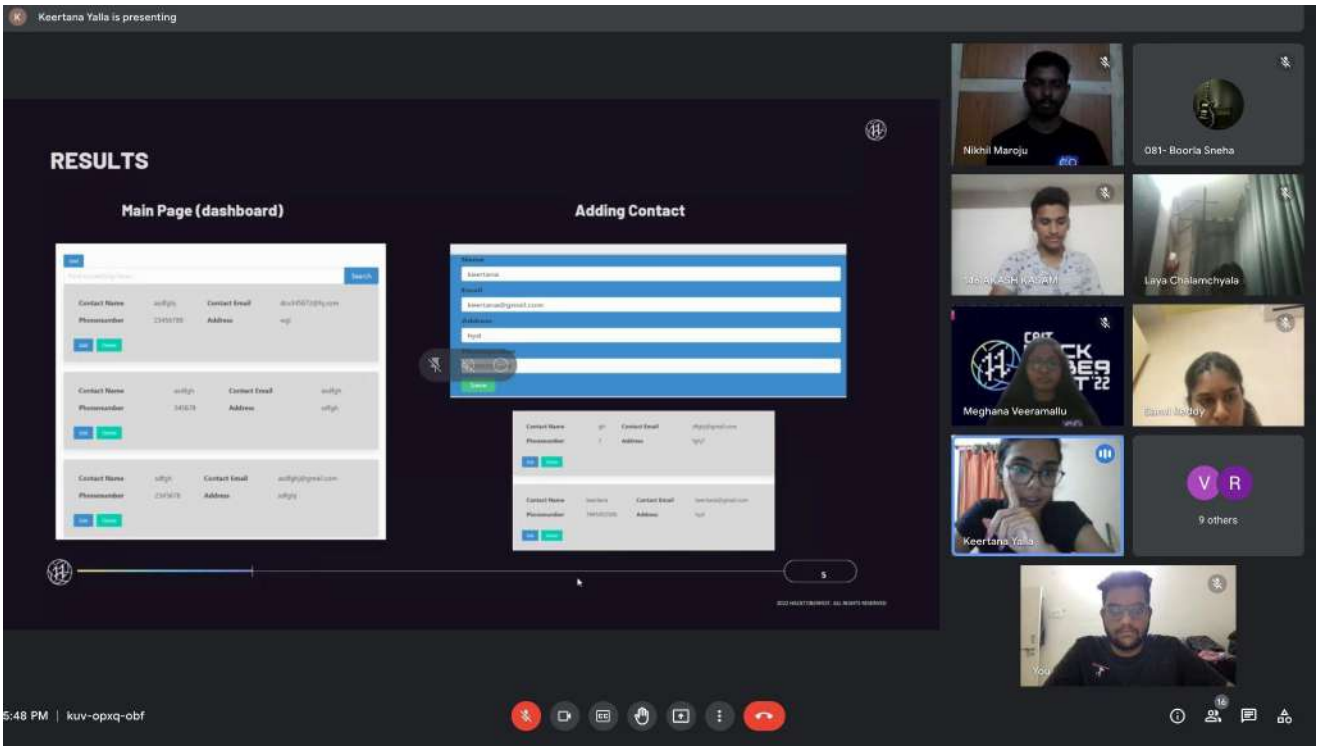
Keertana Yalla is presenting
RESULTS
Main Page (dashboard)
Adding Contact
Nikhil Maroju
081- Booria Sneha
Laya Chalamchyala
Meghana Veeramallu
9 others
Keertana Yalla
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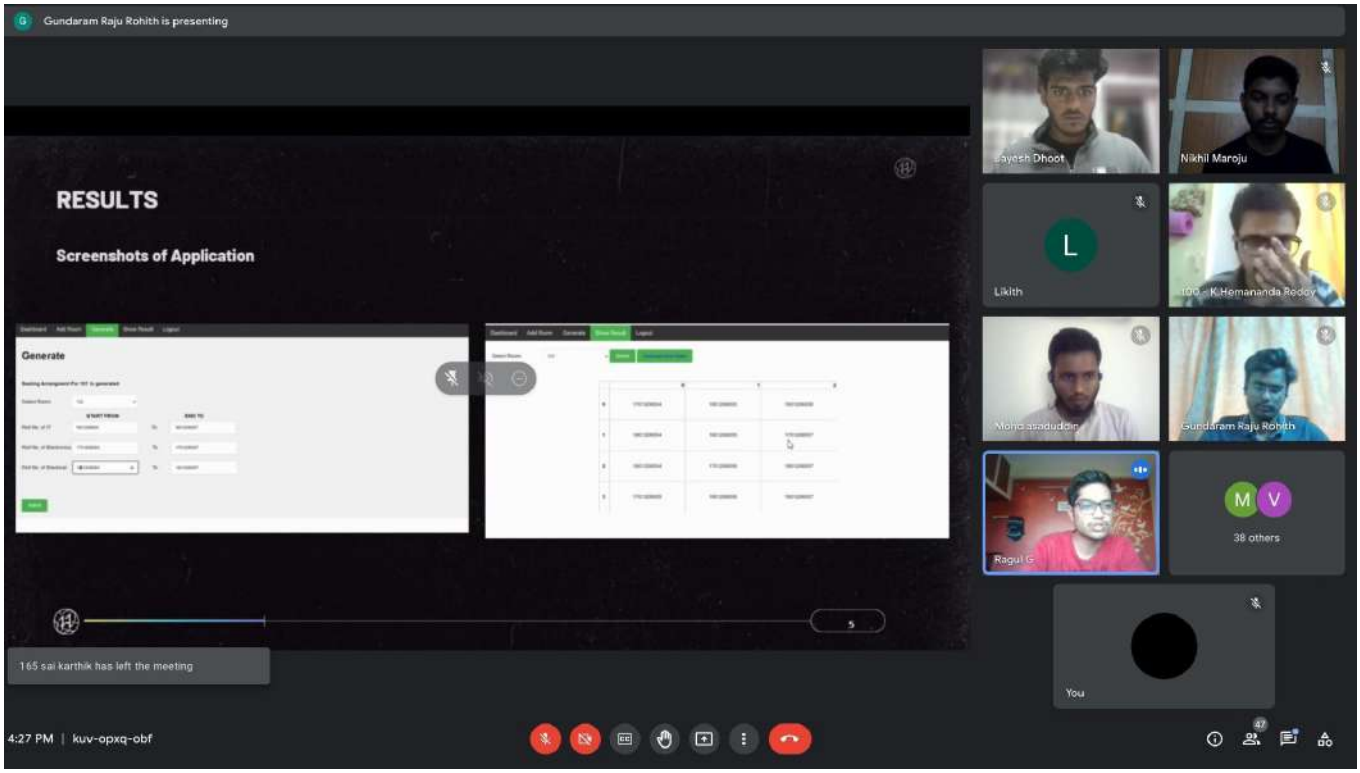
Gundaram Raju Rohith is presenting
RESULTS
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Jayesh Dhoot
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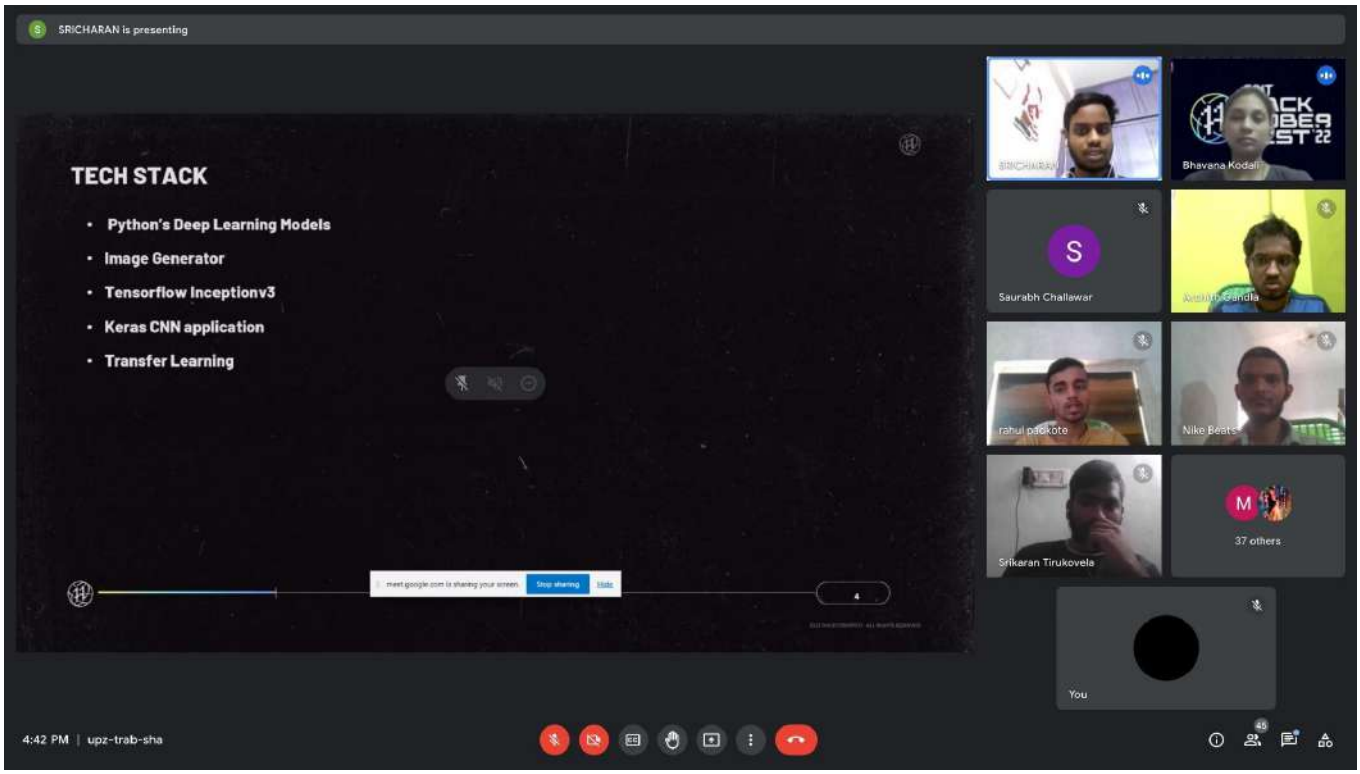
SRICHARAN is presenting
TECH STACK
Python's Deep Learning Models
Image Generator
Tensorflow Inceptionv3
Keras CNN application
Transfer Learning
Bhavana Kodali
S
Saurabh Challawar
rahul padkote
Nike Beats
Srikaran Tirukovela
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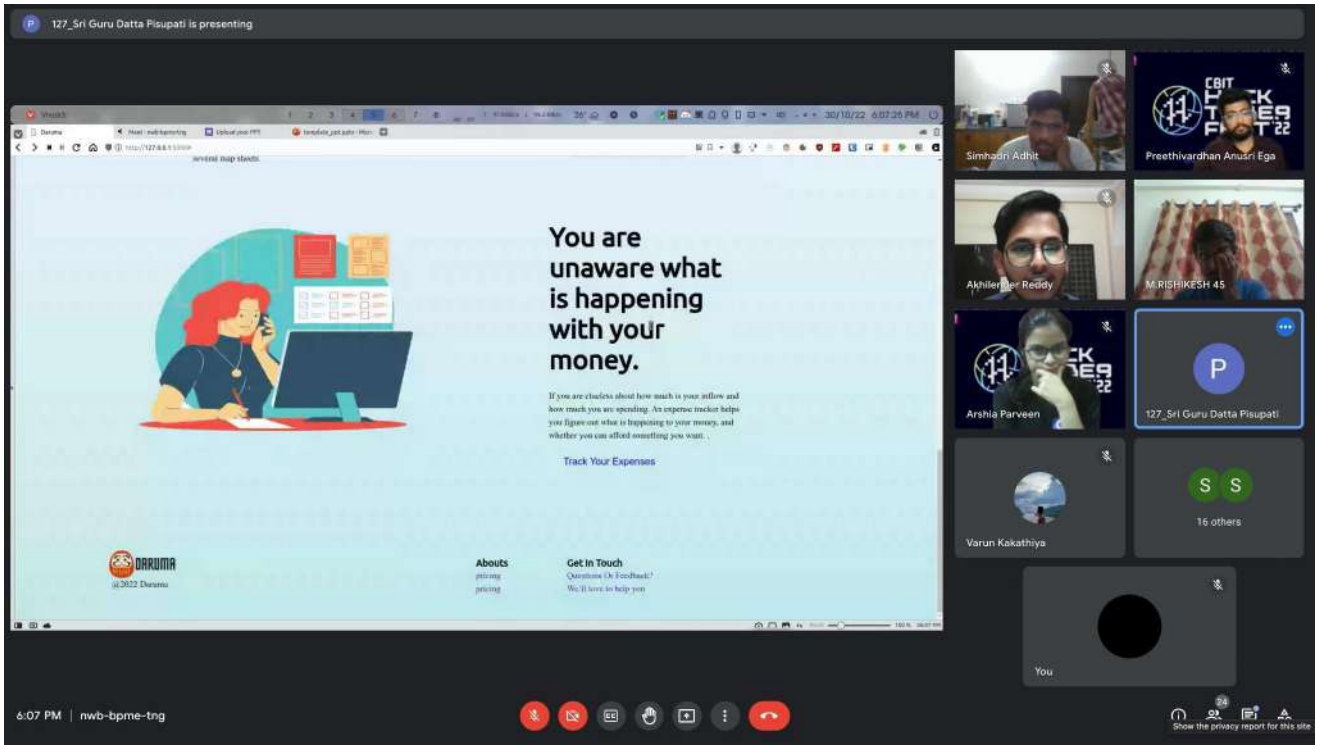
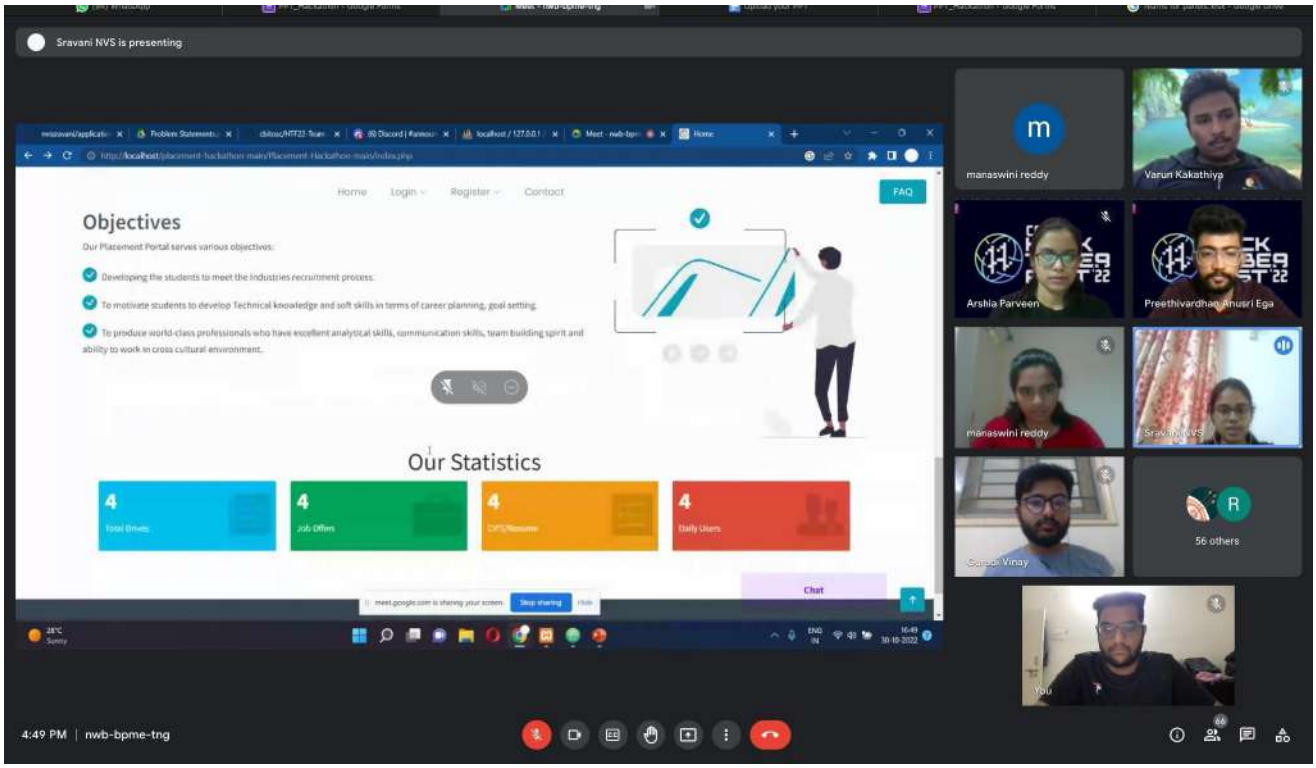
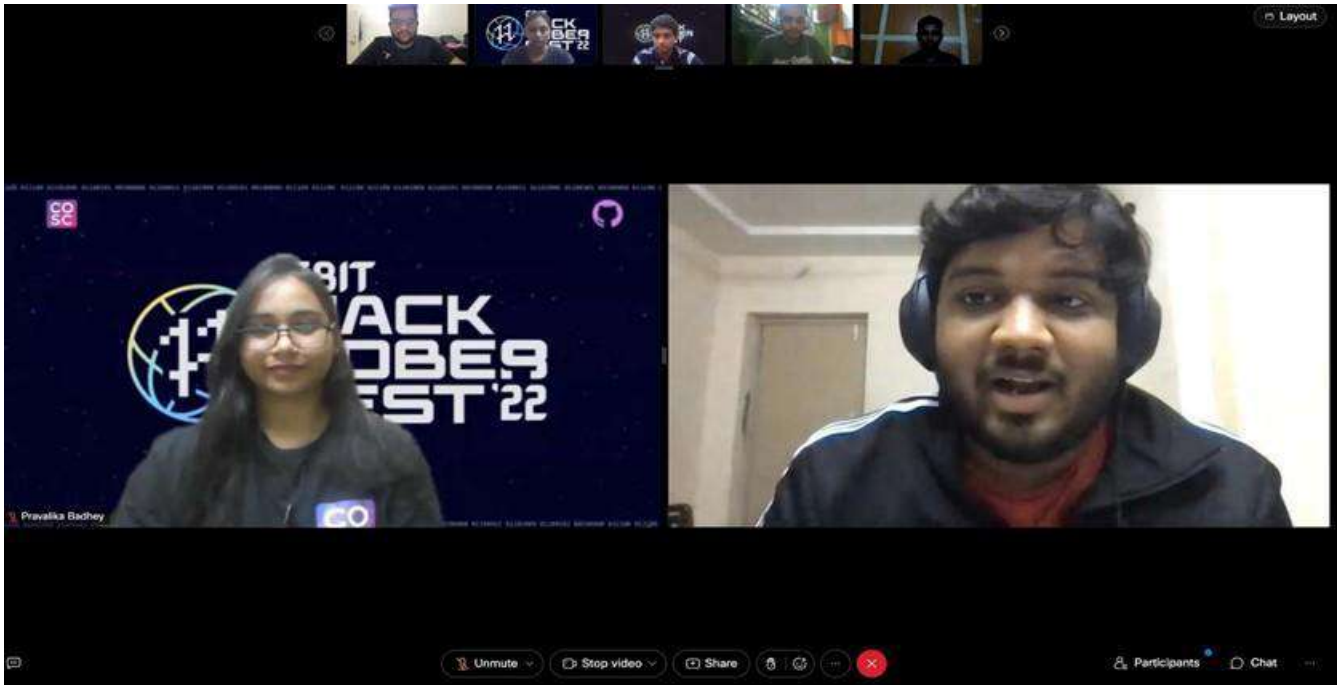


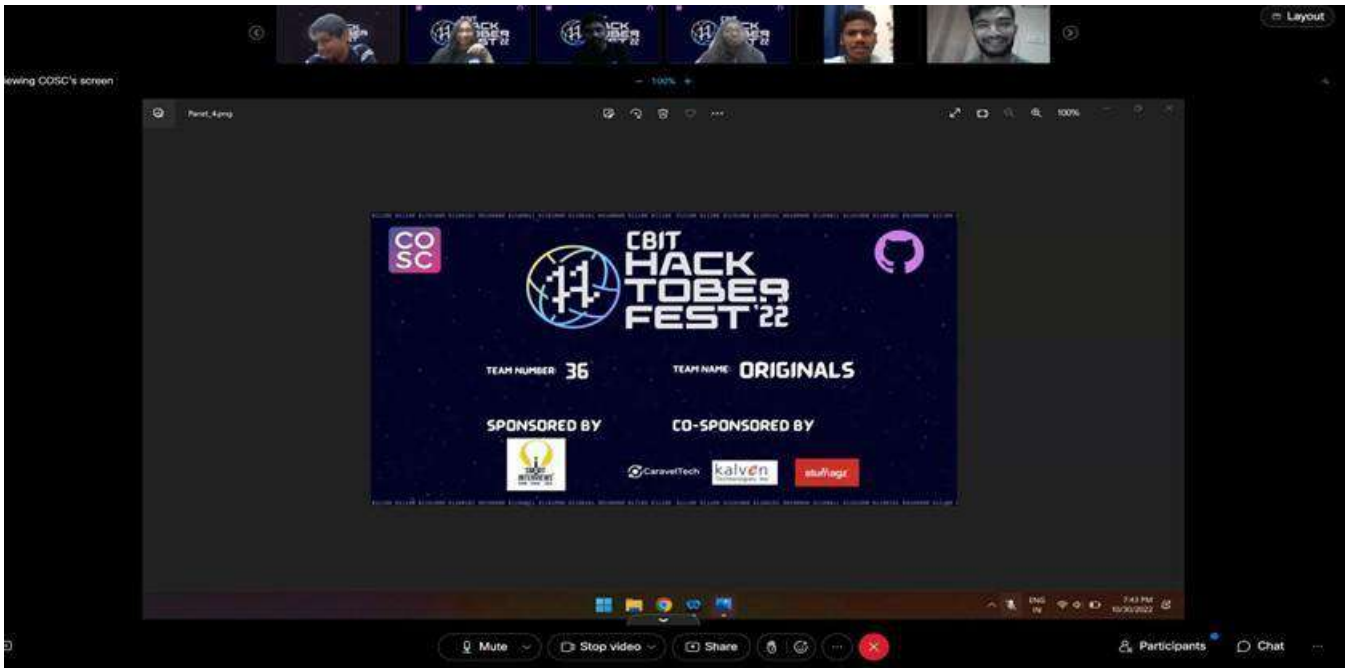


Closing Ceremony

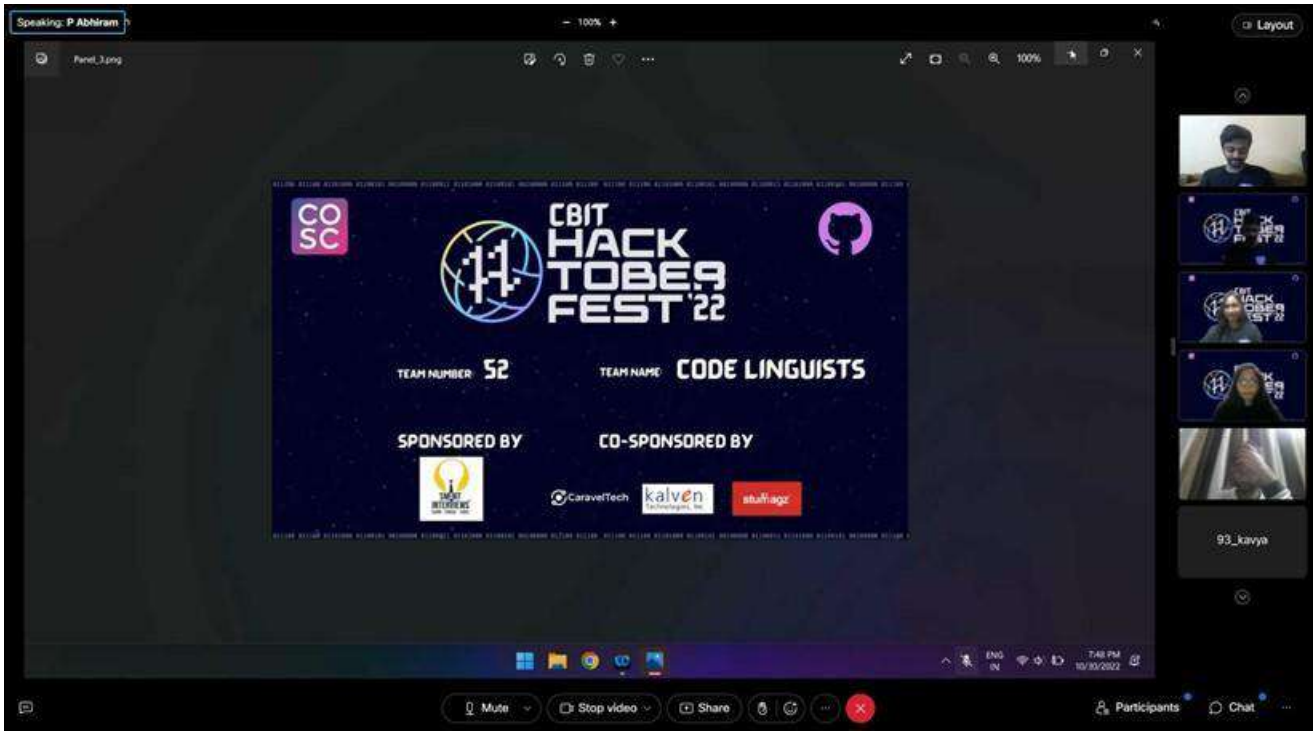


Session by Vihar from Caravel.Tech

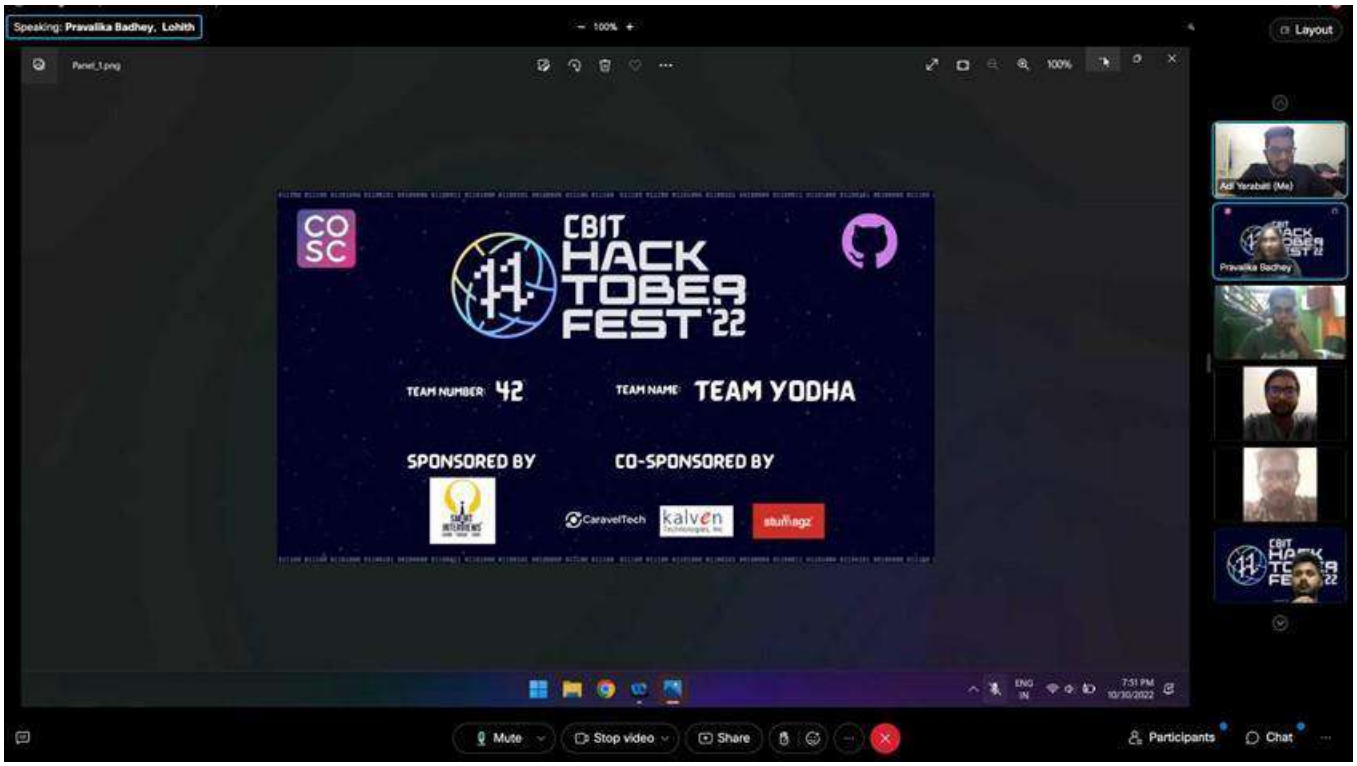
Panel 1 Winners



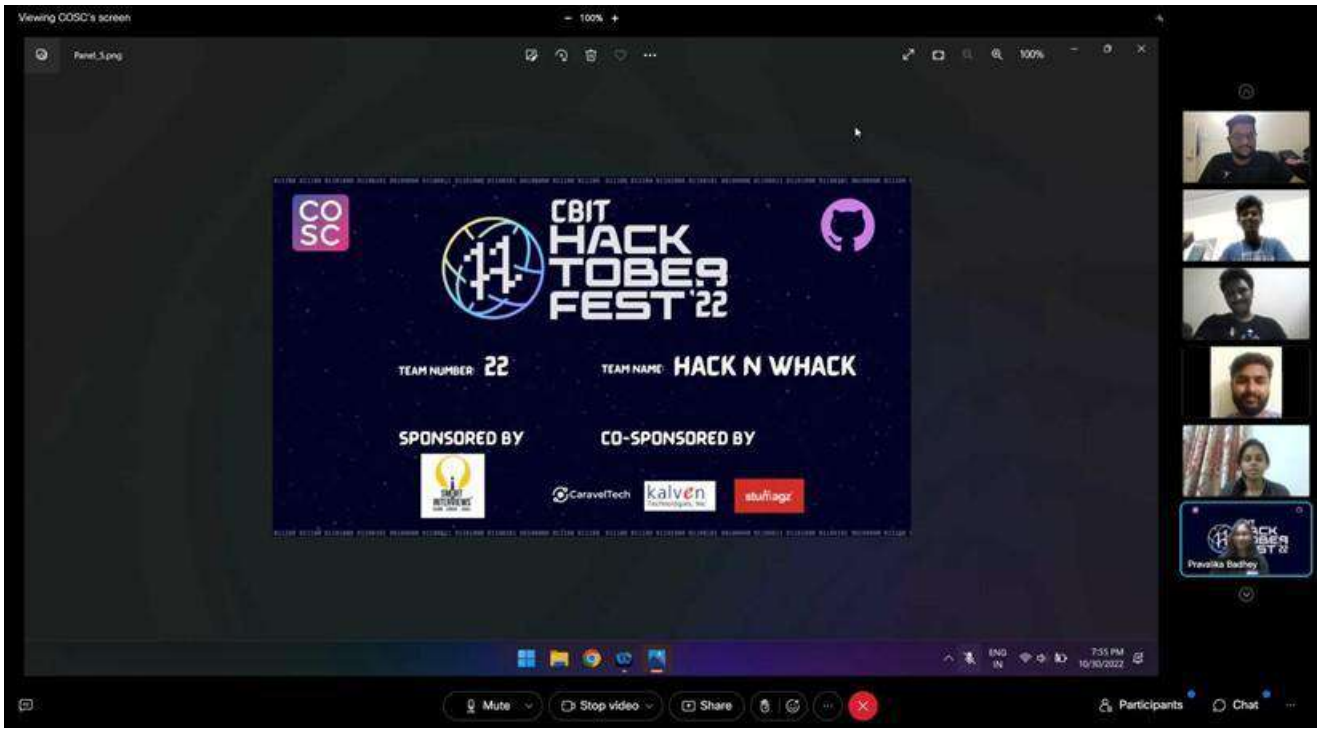
Panel 2 Winners



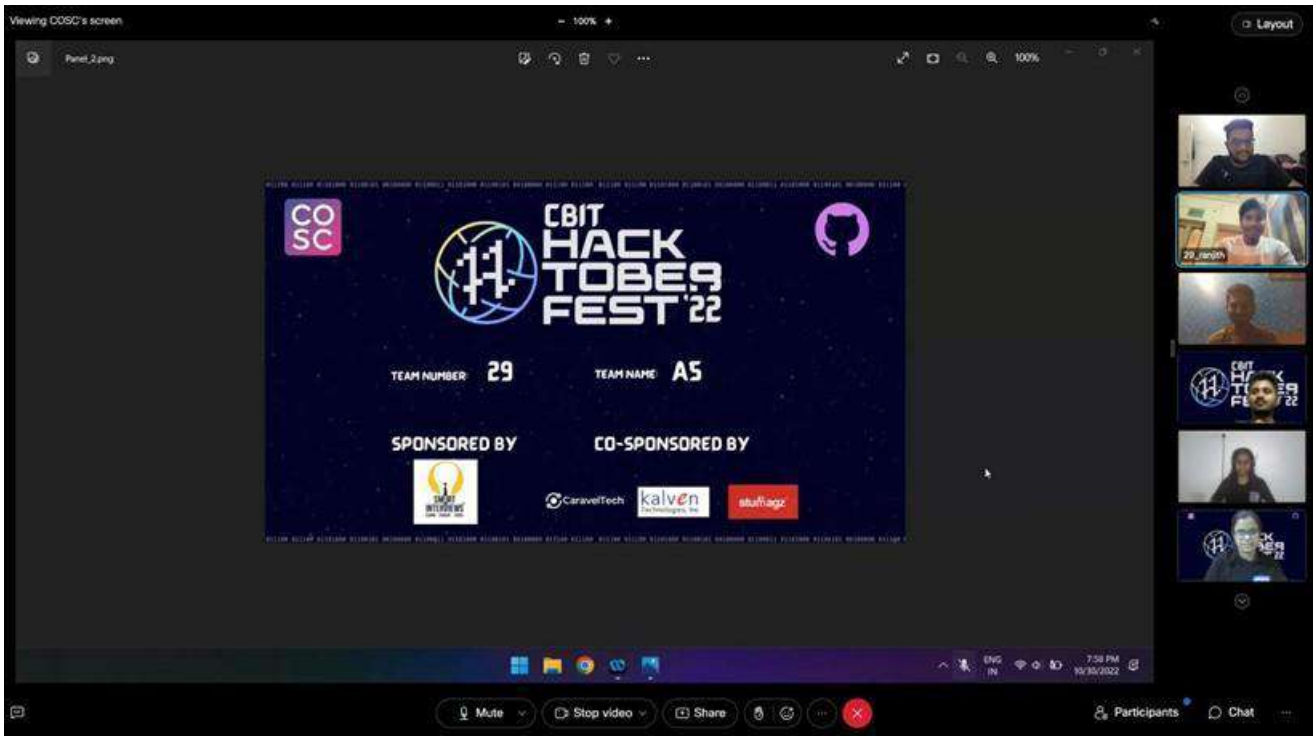
Panel 3 Winners



Panel 4 Winners



Panel 5 Winners



NEXT STEPS

The CBIT Hacktoberfest Hackathon ‘22 was the fifth successful 24-hour hackathon conducted by COSC. This event resulted in a collaborative and a constructive approach to solve real world problems. All the teams were guided towards further improvements that can be implemented. Through this event, people learnt about the importance of Open Source and were actively encouraged to contribute towards the same. Considering the humongous response we received from the participants and also keeping in mind the feedback given we plan to come back even better. We will strive to do our best to work together with developer communities and our sponsors to encourage the usage and contribution towards Open Source projects.

Title of the Session: **IIC & YUKTI Innovations**

Speaker Profile: Dr. M Sangeetha, Mrs. G Vanitha, Associate Professor, CBIT-SMS.

Date & Time: 15-10-2022 & 10:15 am.

Scope:

- To make participants aware of innovation and Yukti Innovations.

Learning Outcome of the session:

- Discussed Entrepreneurship and types of entrepreneurship.
- The speaker has motivated the students to come up with innovative ideas, and prototypes that will be served in attaining sustainable goals.
- Real-time examples of Product Innovations and different forms of Product Innovations were discussed.
- Students were incentivized to endeavor innovation in products, thereby engendering a value addition to society and the Nation.
- It was additionally stressed that innovation can be utilizable for them to build their dream of becoming an entrepreneur & preparing them for their future life.
- The program benefited the students i.e. they were able to understand the meaning of innovation and disruption.

Examples of disruptive innovation were discussed like AI, blockchain, IoT, Cloud computing, etc.

Number of Students Participated: 52

Number of Faculties Participated: 03

Poster:

Photographs of the session:

Title of the Session: Session on Problem Solving and Ideation Workshop

Speaker Profile: Prof. G. Surender Reddy, Corporate Advisor.

Date & Time: 28-02-2023 & 11:10 am.

Scope:

1. **Innovative Solutions, Ideation for real world problems, problem solving methods designing solutions**
2. **Problem solving methodology**
3. It's reported that 9 out of 10 startups fail. The main reason why? Companies focused on solving the wrong problem.
4. Forty-two percent of founders surveyed by a research firm blamed a lack of market need for their startup's demise. The issue isn't limited to new companies, however. Thomas Wedellsborg, a co-author of "Innovation as Usual", interviewed more than 100 C-suite executives. Of those, 85% said their organizations were bad at problem diagnosis, while 87% agreed that that weakness came with significant costs to their company.
5. Ideation is often regarded as creativity, the ability to come up with new ideas and ways of doing, of testing the ideas and thus solving problems.
6. Finding the right opportunity can be the hard part. Trying to find the right problem to solve requires ideation techniques.

- Ideation is the creative process of generating new ideas. Creative problem-solving usually requires two distinct phases: divergent thinking (ideation) and convergent thinking (idea analysis and evaluation). The purpose of ideation is to generate as many ideas as possible in as condensed a timeframe as possible. . If done right, ideation is what helps founders and executives determine the right problem to solve and how to solve it.

- Ideation plays a critical role in the design thinking process—a concept popularized by global design firm IDEO. The goal of design thinking is to empathize with customers, uncover the non-obvious pain points they're experiencing, and learn more about how the current solutions in the marketplace aren't meeting users' needs. It's often in those gaps that companies can spot the best business opportunities.

- If carried out properly, an ideation session is where innovation thrives; it should help you stumble upon that groundbreaking solution that your users have been missing!
- Mind mapping is a pictorial way of giving a shape to ideas and concepts, pioneered by Tony Buzan. A *mind map* is a diagram that is used to represent a central theme or idea through words, ideas and tasks linked to, and arranged around, the idea. In mind mapping, the information flow is structured more closely to the way our brain actually works. Mind maps are mainly used to create, visualize, structure and classify ideas that facilitate in solving problems and making decisions by proper understanding. The various elements of a given mind map are arranged according to the importance of the concepts, and are divided into groupings, branches or areas, with the purpose of representing semantic connections between the available pieces

of information related to the central theme around which the map is constructed.

- Focus Groups: *Focus groups* have been used for a variety of purposes since the 1950s. In a focus group, a moderator leads a group of people through an open, in-depth discussion rather than simply asking questions to solicit participant response. For a new product area, the moderator focuses the discussion of the group in either a directive or a nondirective manner. The group of frequently 8–14 participants is stimulated by comments from each other in creatively conceptualizing and developing a new product/service idea to fill a market need. One company interested in the women's slipper market received its new product concept for a "warm and comfortable slipper that fits like an old shoe" from a focus group of 12 women from various socioeconomic backgrounds. The concept was developed into a new women's slipper that was a market success.
- Brainstorming: The word 'brainstorming' was first coined by Alex Osborn. He developed this technique in 1941 while he was president and founder of an advertising firm. Brainstorming is a group technique to generate maximum number of ideas possible in a short time by involving as many people as possible. When using brainstorming, four rules need to be followed: 1. No criticism is allowed by anyone in the group—no negative comments. 2. Freewheeling is encouraged—the wilder the idea, the better. 3. Quantity of ideas is desired—the greater the number of ideas, the greater the likelihood of the emergence of useful ideas. 4. Combinations and improvements of ideas are encouraged; ideas of others can be used to produce still another new idea. Finally, after the completion of the brainstorming process, apply the 80:20 rule, that is, underlining the 20 per cent that will give rise to 80 per cent of the results you are looking for. Reverse brainstorming is similar to brainstorming but the process allows criticism. The technique encourages fault finding through asking questions with a focus on why this idea would not work? Or why this idea will fail?

- Brainwriting: Brainwriting is a form of written brainstorming. It was created by Bernd Rohrbach at the end of the 1960s under the name Method 635 and differs from classical brainstorming by giving participants more time to think than in a brainstorming session, where the ideas are expressed spontaneously. Brainwriting is a silent, written generation of ideas by a group of people. The participants write their ideas on special forms or cards that circulate within the group, which usually consists of six members. Each group member generates and writes down three ideas during a five-minute period. The form is passed on to the adjacent person who writes down three new ideas, and so on, until each form has passed all participants. A leader monitors the time intervals and can reduce or lengthen the time given to participants according to the needs of the group. Participants can also be spread geographically with the sheets rotated electronically.
- Problem Inventory Analysis: This uses individuals in a manner analogous to focus groups to generate new product ideas. However, instead of generating new ideas themselves, consumers in the group are provided with a list of problems in a general product category. They are then asked to identify and discuss products in this category that have the particular problem. This method is often effective since it is easier to relate known products to suggested problems and arrive at a new product idea than to generate an entirely new product idea by itself. Problem inventory analysis can also be used to test a new product idea. To ensure the best results, problem inventory analysis should be used primarily to identify product ideas for further evaluation.

- The Gordon method is one of the creative techniques developed by Osborn in his famous book *L'arte Della Creativity*. It involves group members not knowing the nature of the problem. This ensures that the thought process does not get clouded or biased by preconceived notions of the group members. An entrepreneur initiates the process of thinking by mentioning a general concept or a word associated with the problem. The group members respond to the concept/word by stating their ideas. This helps in developing the concept by picking up related concepts under the guidance of the entrepreneur. At last, the actual problem under

consideration is revealed to get suggestions for implementation or improvement to the solution.

Problem solving:

Step 1: Identify and define the problem

- State the problem as clearly as possible. For example: “I don’t have enough money to pay the bills.”
- Be specific about the behaviour, situation, timing, and circumstances that make it a problem. For example: “I need to pay the phone and gas bills, and I don’t have enough money to cover both this month.”

Step 2: Generate possible solutions

- List all the possible solutions; don’t worry about the quality of the solutions at this stage.
- Try to list at least 15 solutions, be creative and forget about the quality of the solution.
- If you allow yourself to be creative you may come up with some solutions that you would not otherwise have thought about.

Step 3: Evaluate alternatives

- The next step is to go through and eliminate less desirable or unreasonable solutions.
- Order the remaining solutions in order of preference.
- Evaluate the remaining solutions in terms of their advantages and disadvantages.

Step 4: Decide on a solution

- Specify who will take action.
- Specify how the solution will be implemented.
- Specify when the solution will be implemented. For example: tomorrow morning, phone the gas company and negotiate to pay the gas bill next month.

Step 5: Implement the solution

- Implement the solution as planned.

Step 6: Evaluate the outcome

- Evaluate how effective the solution was.
- Decide whether the existing plan needs to be revised, or whether a new plan is needed to better address the problem.
- If you are not pleased with the outcome, return to step 2 to select a new solution or revise the existing solution, and repeat the remaining steps.

Learning Outcome of the session:

Students learned various Ideation tools and problem solving strategy and process.

Number of Students Participated: 67

Number of Faculties Participated: 04

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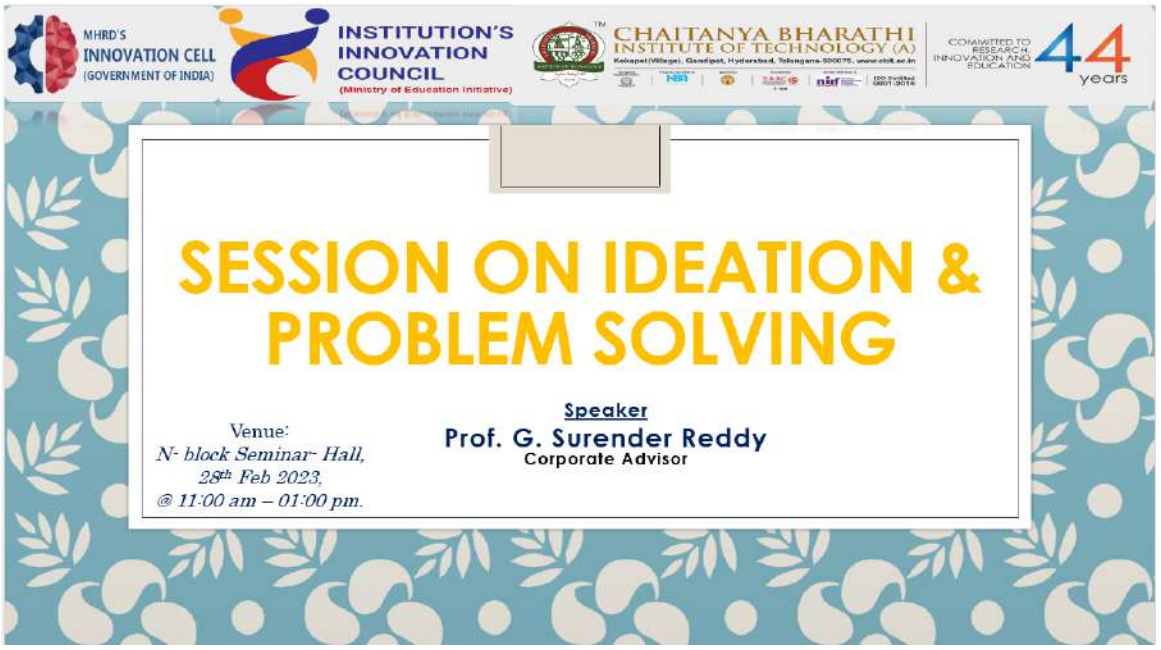


Photographs of the session:

Title of the Session: **Innovative Bio electrochemical Systems, A versatile process for environmental abatement for sustainability**

Speaker Profile: Dr. Mohanakrishna Gunda, Associate Professor, KLE Technological University, Hubballi, Karnataka.

Date & Time: 31- 01 - 2023 & 11:15 am.

Scope:

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 H_2 production

Learning Outcome of the session:

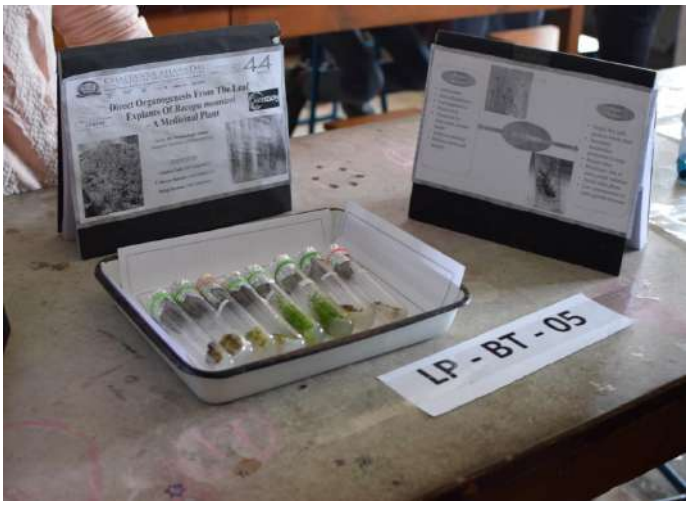
- Students understood the definition of Microbial Fuel Cell and the latest innovation in the field.
- Students had exposed the real-time Ideas and advancements in Bio-electrochemical treatment techniques that are cost-effective
- Students understood different strategies for treatment of waste integrated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

Number of Students Participated: 43

Number of Faculties Participated: 04

Poster:

Photographs of the session:



<u>Title of the Session</u>: My Story- Motivation Session by Alumni Talk on "Success Story - Journey from Institute to Industry, Innovations & Opportunities towards Technologies"

Speaker Profile: Mr AnilKumar Kondapalli, Application Engineer JPMC, (Masters at Florida University).

Date & Time: 22-12-2022 & 01:00 pm.

Scope: To make participants aware of innovation and opportunities in emerging technologies.

Learning Outcome of the session:

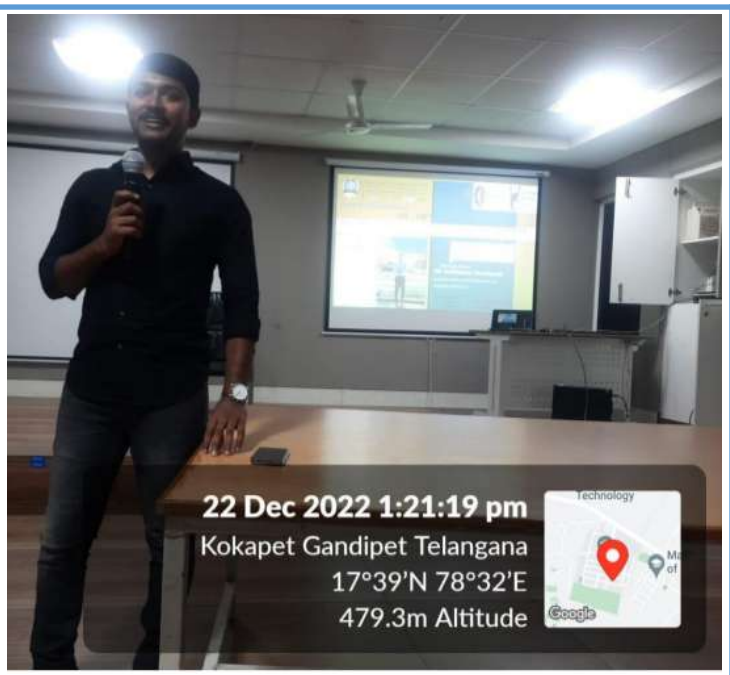
- The speaker has motivated the students to come up with innovative ideas, prototypes which will be served in attaining sustainable goals.
- Real time examples of Resources in the Subjects and different forms of Product Innovations from the resources were discussed.
- Students were incentivized to endeavor innovation in products, thereby engendering a value addition to the society and the Nation.
- It was additionally stressed that innovation can be utilizable for them to build their dream of becoming an entrepreneur & preparing them for their future life.
- The program benefited the students i.e They were able to understand the meaning of innovation and disruption.

Number of Students Participated: 58

Number of Faculties Participated: 05

Poster:

Photographs of the session:



Title of the Session: **Design Thinking Process and Application**

Speaker Profile: Dr. B.V.S Rao, Assistant Professor, Mechanical Engineering Department.

Date & Time: 01-06-2023 & 12:30 pm to 05:30 pm.

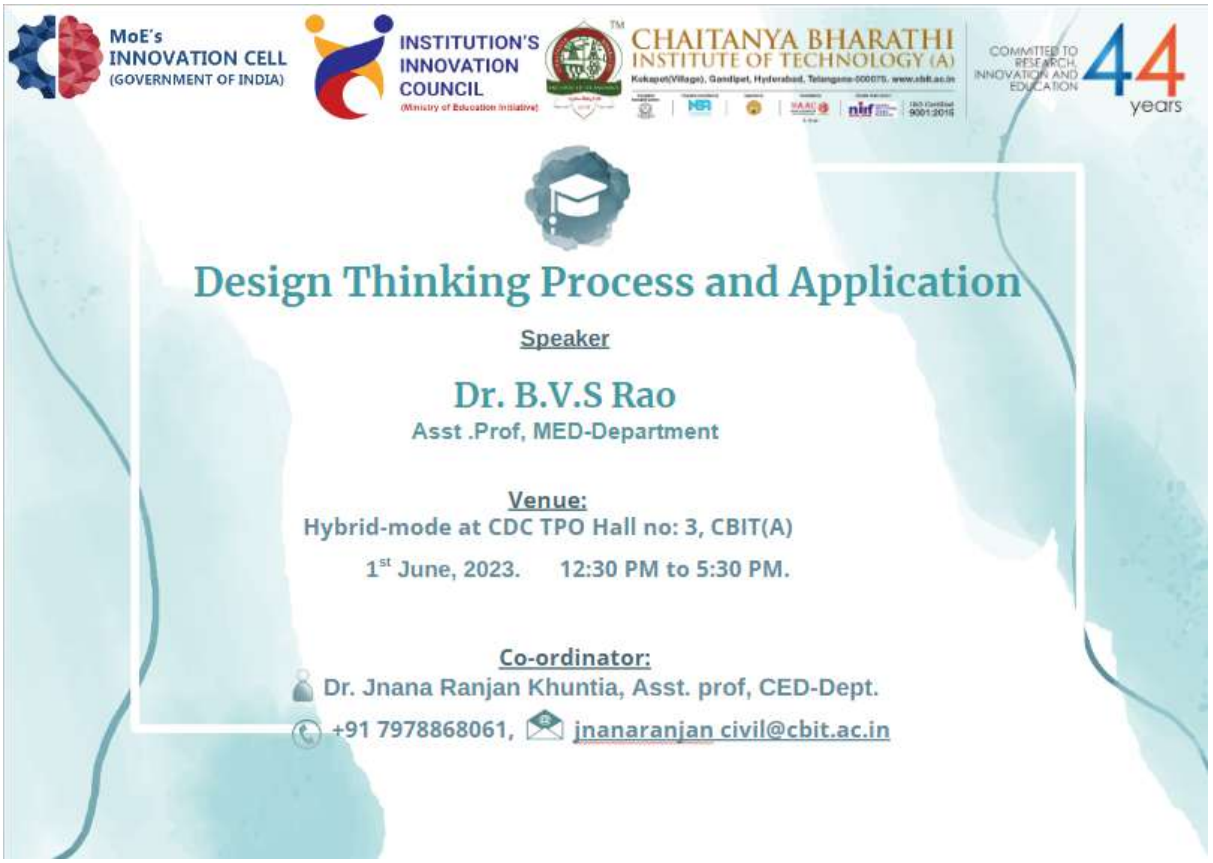
Scope and Learning Outcome:

- The scope covered process is to gain an empathic understanding , Define stage, you put together the information , Ideate , Prototyping and testing and co-relations among these processes.
- The first stage of the Design Thinking process is to gain an empathic understanding of the problem you are trying to solve.
- This involves consulting experts to find out more about the area of concern through observing, engaging and empathizing with people to understand their experiences and motivations.
- Immersing yourself in the physical environment so you can gain a deeper personal understanding of the issues involved
- During the Define stage, you put together the information you have created and gathered during the Empathise stage.
- This is where one will analyse your observations and synthesise them in order to define the core problems that you and your team have identified up to this point.
- one should seek to define the problem as a problem statement in a human-centred manner.
- During the third stage of the Design Thinking process, designers are ready to start generating ideas.
- To understand users and their needs in the Empathise stage, and analyse and synthesise observations in the Define stage, and end up with a human-centered problem statement.
- It can increase your innovation opportunities
- Develop and refine those into better ones
- Helps you prioritize ideas and pick the most promising ones
- Open Innovation Culture
- Designers or evaluators rigorously test the complete product using the best solutions identified during the prototyping phase.
- This is the final stage of the 5 stage-model, but in an iterative process, the results generated during the testing phase are often used to *redefine* one or more problems

Number of Students Participated: 57

Number of Faculties Participated: 04

Poster:



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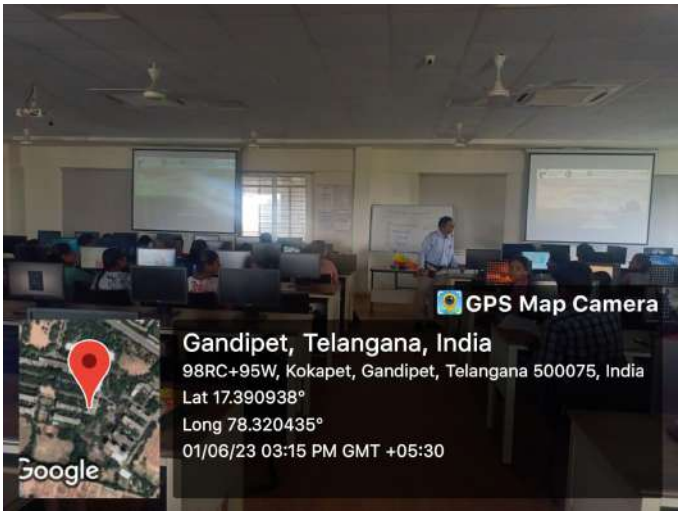

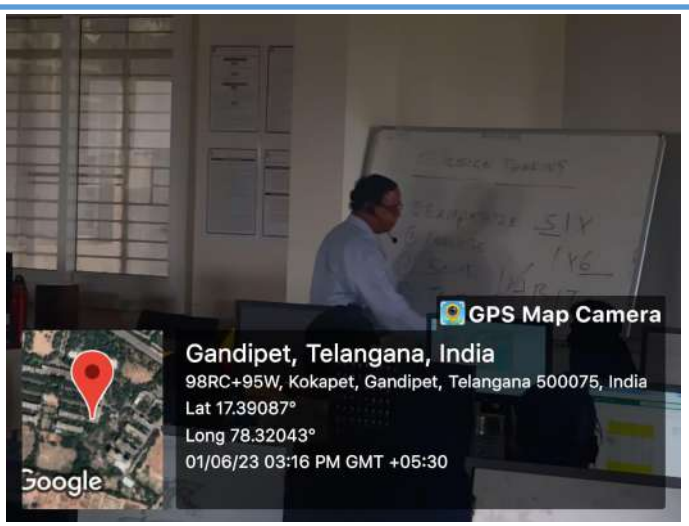
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98RC+95W, Kokapet, Gandipet, Telangana 500075, India
Lat 17.39087°
Long 78.32043°
01/06/23 03:16 PM GMT +05:30
Google


GPS Map Camera
Gandipet, Telangana, India
98RC+95W, Kokapet, Gandipet, Telangana 500075, India
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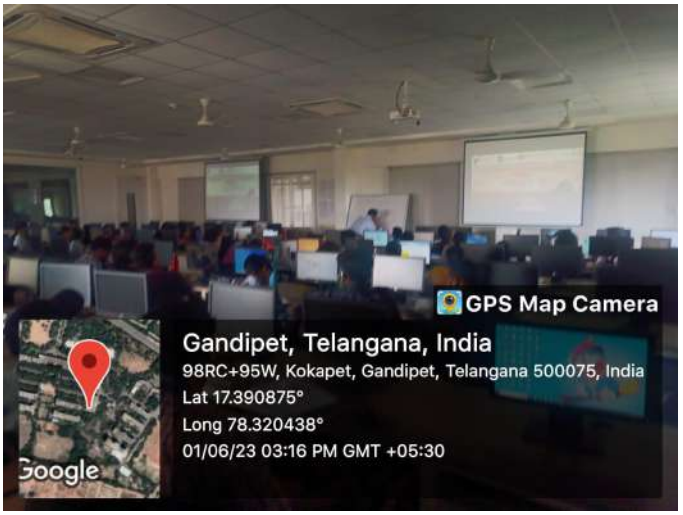
Google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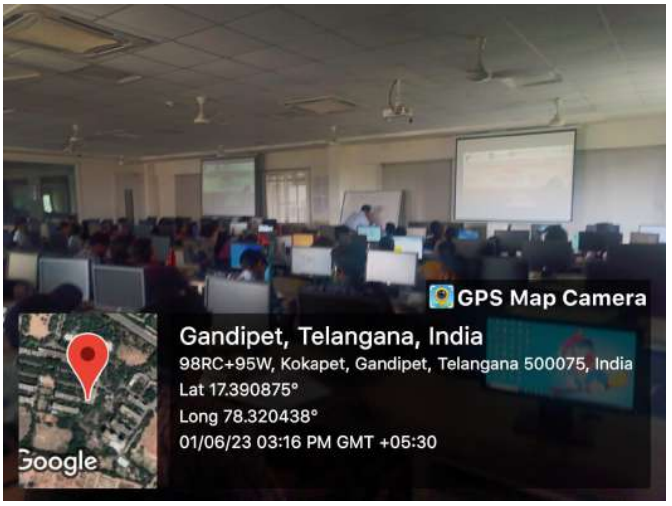
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98RC+95W, Kokapet, Gandipet, Telangana 500075, India
Lat 17.390875°
Long 78.320438°
01/06/23 03:16 PM GMT +05:30
Google

Title of the Session: **AI In Healthcare, Robotics, and Biology.**

Speaker Profile: Prof. Milos Stojmenovic, Department of Computer Science & Engineering, Singidunum University, Serbia

Date & Time: 17-12-2022 & 11:30 am.

Scope:

Prof. Milos Stojmenovic Department of Computer Science & Engineering, Singidunum University, Serbia has extensively discussed AI in Healthcare, Robotics, and Biology. His talk enthused the faculty to have possible future R&D collaboration with international institutions.

Learning Outcome of the session:

Students could learn the importance of AI for Healthcare, Robotics etc. This will help them to ideate, conceptualise and develop systems products in the area of Life science. The faculty and students can collaborate with other institutions for joint working and mentoring.

Number of Students Participated: 68

Number of Faculties Participated: 06

Poster:-

Photographs of the session:

Title of the Session:

" Innovation and advancement in the Electronics area for product development in the Strategic Sector." (Electronic warfare)

Speaker Profile: Smt. N. Sarada, Sc-G, DLRL, Hyderabad.

Date & Time: 31-01-2023 & 11:00 am.

Scope:

Electronic warfare (EW) is a complex and challenging field that involves the use of electromagnetic spectrum for both defensive and offensive purposes. The development of electronic warfare products requires a multidisciplinary approach that involves experts from various fields such as electronics, software engineering, communications, and signal processing.

Learning Outcome of the session:

Product development in the strategic sector of electronic warfare requires a multidisciplinary approach that involves expertise in various areas such as electronics, software engineering, communications, and signal processing. The development of advanced electronic warfare systems can help provide a strategic advantage to military forces in the modern battlefield.

Number of Students Participated: 44

Number of Faculties Participated: 05

Poster:

Photographs of the session:

MIC Activity : Leadership Talk:

Prof. (Dr.) T G Sitharam took over as Chairman, All India Council of Technical Education (AICTE), Govt of India on December 21, 2022.

Prof. (Dr.) T G Sitharam was the Director of Indian Institute of Technology Guwahati, Assam for 3.5 years (from July 2019 to December, 2022). He Obtained his B.E.(Civil Engineering) from University of Mysore; Master's from Indian Institute of Science, Bangalore in 1986 and Ph.D. from University of Waterloo, Ontario, Canada in 1991. He worked as a lecture at University of Waterloo soon after his PhD and later moved to University of Texas at Austin, Austin, Texas, USA (1992-94). He also held the position of Director (additional charge) at Central Institute of Technology Kokrajhar, Assam for 1.5 years (May 2021-November 2022). Presently, he is the Chairman, Board of Governors at CIT, Kokrajhar and Chairman, Board of Management of North East Regional Institute of Science and Technology (NERIST), Nirjuli, Arunachala Pradesh.

Over the last 35 years, he has carried out research and development in the area of geotechnical and infrastructure engineering, seismic microzonation and soil dynamics, Geotechnical earthquake engineering and has developed innovative technologies in the area of earth sciences, leading to about 500 technical papers, 20 books with Google scholar H-index of 53 and I-10 index 149 with more than 8614 citations. He has guided 40 Ph.D. students; 35 Masters Students, 25 postdoctoral students and several thousand industry professionals and teachers through continuing education workshops. He has filed for 5 patents, executed more than 120 consulting projects and 2 start-up companies to his credit. He was listed in the world's top 2% of scientists for the most-cited research scientists in various disciplines by Stanford University in 2020. Again his name appeared in the top 2% of scientists in Elsevier by Stanford University in 2021 and 2022.

The leader ship talk was arranged by MIC and AICTE for the HEIs on 30th Jan. 23. Chairman, All India Council of Technical Education (AICTE) said Research is very important for HEIs and cited the vision of PM Narendra Modi Ji for a self-sufficient (Atma Nirbhar) Bharat. The research, Development and innovation are going to play very important role in this direction. Establishing IICs in Institutions plays a major role, for carrying research work should also be taken up. For promoting research activities in the HEIs, funds also to be made avaialable. He mentioned that innovation will lead to product development. Technology and problem solutions development and will help India to start exporting. He also told about the future plan of AICTE as publishing books in different languages of the country which would also help in understanding of the problem and development of ideas.

The IIC members and Innovation Ambassadors, students attended the program online.


Ministry of Education
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
AICTE


Prof. T G Sitharam
Chairman
All India Council For Technical Education


Ministry of Education
MoE's INNOVATION CELL

Topic: IIC - MIC Activity-CBIT (A) for **NEP ki Samajh Celebrating 3 years of Implementation of NEP 2020**

Date: 06/15/2023

Time: 10:30 am

Number of Faculty Participants: 04

Number of Students participated: 81

Poster:

Photographs of the Session

Presentation of the Topic:

1. What does NEP mean for India's youth?
2. How will NEP improve the education ecosystem of India?
3. How did your internship experience/industry visit make you job-ready? (Job-readiness and experiential learning)
4. How have you benefited from digital learning through online learning platforms like SWAYAM or NPTEL?
5. How do you think the Academic Bank of Credits will provide value to students in transferring credits between different Higher Education Institutions?
6. How important is it for students to have flexibility to choose subjects based on their interests? (Choice Based Learning)
7. What subjects would you choose as part of your ideal multi-disciplinary programme course curriculum and why? (Multi-disciplinarity/Flexibility)
8. Engineering courses have been made available in multiple Indian Languages. How is it beneficial for you?
9. India has rich traditional knowledge resources spread across States/ UTs, since ages. What would be the benefits of integration of such ancient knowledge of India with the modern education system to address the future challenges?
10. In what way, the collaboration of Indian HEIs with Foreign HEIs by way of offering Joint Degree, Dual Degree and Twinning programme, will be beneficial to you?
11. National Credit Framework (NCrF) & National Higher Education Qualification Framework (NHEQF), which attempt to align Indian education system with the Global education system. How will it allow you to pursue the course of study as per your choice, pace and convenience?

Institutional Preparedness for NEP 2020

The following are some of the key areas that an institutional policy and plan should address for implementing the NEP 2020

- A multidisciplinary/interdisciplinary approach
- Academic Bank of Credits (ABC)
- Skill Development
- Indian Knowledge Systems
- Outcome Based Education (OBE)
- Distance Education/ Online Education

The institute has formed subcommittees to identify and map the practices available in the CBIT to the above-mentioned areas.

S.No.	Name of the Faculty	Designation & Department	Item Name
1.	Prof. P. Sreenivas Sarma	Advisor-SA&P, CED	Multidisciplinary / Inter-Disciplinary
2.	Prof. D. Krishna Reddy	Head, ECE	
3.	Prof. P.V.R. Ravindra Reddy	Head, MED	
4.	Dr. Y. Raja Sri	I/c-Head, Biotech.	
1.	Prof. Suresh Pabboju	Director-AEC&COE	Academic Bank of Credits
2.	Prof. P. V. Prasad	CoE	
1.	Prof. M. Swamy Das	JD-Academics (Informatics)	Skill Development
2.	Dr. N. L.N. Reddy	Advisor-CDC	
3.	Prof. Y. Rama Devi	Head-CSE	
1.	Prof. K. Jagannadha Rao	Head-CED	Appropriate integration of Indian Knowledge System
2.	Prof. G. Suresh Babu	Head-EEE	
3.	Prof. M.V. Krishna Rao	Prof., CED	
1.	Prof. N. V. Koteswara Rao	Director-IQAC	Focus on OBE (In co-ordination with Heads of IT & ECE)
2.	Prof. K. Krishnaveni	Director-Academics	
3.	Dr. B. Indira	Head, MCA	
1.	Prof. K. Radhika	Head, IT	Distance Education / Online Education
2.	Prof. P. Prabhakar Reddy	Prof., MED	
3.	Dr. P. V. Naga Prapurna	I/c-Head, Chem. Engg.	
4.	Dr. E. Jalaja	I/c-Head, SMS	

The subcommittees have capitulated a write-up to the Principal/IQAC and the same is presented in 2020-21 AQARand also in the appropriate place of NAAC SSR Cycle-3.
The Summary of the Write-ups presented in the NAAC SSR is reproduced hereunder

Multidisciplinary / Interdisciplinary

The Institution has been striving hard to transform itself into a university in the near future, so as to accommodate diversity through multi-disciplinary approaches. Proposals are already drafted for introducing B.Sc. (Mathematics), M.Sc.(Applied Mathematics) and a 4- year program me in computing mathematics and are under serious consideration of the authorities. As of now an MBA programme and an MCA Programme are being successfully run by the institute.

It is the policy of the institution in general to stick to the instructions of statutory bodies like AICTE,UGC etc., in designing the curriculum, giving due weightage (of nearly 18%) from the total credits to Humanities & social Science (HSS), including management, regulatory courses and Basic Sciences Courses (BSC) .

At the same time, certain flexibility and innovation is incorporated in the curriculum by introducing open electives, Professional electives Provision for engineering degree & honors degree and credit transfer facility from MOOCS & Internships. Besides these, a scope is also created to make the students work in multidisciplinary areas such as community engagement & service, environmental education and rural internships.

Presently, lateral entry is permitted for all the Programs (except Biotechnology) at the 2nd year level for diploma and B.Sc. students. Bridge courses are designed as Prerequisites for them to facilitate smooth transition and completion of the programme. Plans are all also on, to permit the entry of B.Sc.(Electronics) and B.Sc. (computers) into BE(ECE) and BE (CSE) respectively, at the end of 2nd or 3rd year.

The institute has a well-established ACIC (Atal Community Innovation Centre) sponsored by NITI Ayog, New Delhi. This Centre is focusing on some of the important areas that the society is facing Pressing Challenges such as Agritech & food tech, health tech, Drone Technology, water sanitation & solid waste managements, environmental pollution control technology etc.,

In addition to this, institute has already established Robotics & drones lab, digital fabrication lab, breakers lab, maker's space, Idea lab sponsored by AICTE, to promote innovation and incubation for the benefit of the society.

Academic bank of Credits

One of the provisions of the National Education Policy 2020 (NEP 2020) is the introduction of the Academic Bank of Credits (ABC). ABC will allow students of undergraduate and postgraduate degree courses to exit the course and enter within a stipulated period. Academic Bank of Credits shall deposit Credits awarded by Registered Higher Education Institutions, for Courses pursued therein, in the Academic Bank Account of the student and the validity of such credits shall be as per norms and guidelines issued by the Commission from time to time. A portal, https://www.abc.gov.in, has been launched, with the aim that HEI & Students can register in this portal. Students will be allowed to earn credits through various HEIs registered under this scheme and courses offered under National schemes by SWAYAM, NPTEL, V-Lab, etc. Institutional registration on the portal https://www.abc.gov.in has been completed. Faculties are encouraged to design their own curricular and pedagogical approaches within the approved framework, including text books, reading material selections, assignments, and assessments etc. The various committees to guide in this regard are Course Experts Groups, Board of Studies, Academic council, Governing Body. Circular on creating awareness on Academic Bank of Credit has been sent to the students. Final year students are instructed to create a login on the portal. The data required in the specified format is not available with the present ERP software provider. New ERP

software will shortly be installed and the data as per the formats specified will be prepared and uploaded to the portal.

Skill Development

CBIT focusses on skill development to enable the students for acquiring desired competency levels. In this context, institute has

- Implemented a curriculum and syllabus in the paradigms of Outcome Based Education
- Being as an autonomous institution, CBIT gives highest priority to skill development. In R-20, apart from the from regular lab courses, seminars, mini-projects, and project courses, three mandatory internships for 7 credits are introduced to promote skill development apart
- Institute has a dedicated centre name “Training and Placement Cell” for providing the required training, skill development and placement support.
- Also signed on MoUs with various organizations and institutes for creating awareness on emerging courses, industry technologies, projects, practices.
- In addition, the institute provides capacity building programs and skill inculcation programs to final UG and PG students under the guidance of CDC.
- Students are offered with xx value-added courses based on skills for the skill development. These value-added courses include Communication Skills, Foreign Languages, TOEFL, GRE and GATE coaching, Emerging Technologies like IoT, Cyber Security, Data Science, Machine Learning, Robotics, Blockchain, Python, and R Programming, etc.
- Courses in all programs are organized in such a way that students get opportunities for experimental learning and skill development through internships, field works, industrial visits, project works and hands-on learning methods
- Every department offers a credit courses Employability Skills, Basics of Data Structures and certificate courses for employability and skill development.
- In order to provide value-based education, institute provides courses and events on professional ethics, research ethics, Indian Constitution, life-skills and code of conduct.
- The R-20 curriculum provides an opportunity for the students to acquire additional knowledge and skills through Minor Engineering and Honours Degree programs.
- In addition, days of importance are observed to inculcate the values of truth, justice, peace, love, and non-violence.

Appropriate integration of Indian knowledge systems

The rich heritage of ancient and eternal Indian Knowledge and thought has been a guiding light for this policy.

- Curricular integration of essential subjects, skills and capacities
- Towards more holistic and multidisciplinary education
- Catalysing quality academic research in all fields through a National Research Foundation

UG Program : Indian Traditional Knowledge as a mandatory.
PG Program: Sanskrit for Technical Knowledge as an ELECTIVE.

Our Faculty has associated with IKS of AICTE and recognised Mentor [BJS1_M26]
Faculty supervised two Interns in the domain Applications of Vedic Mathematics to Engineering

Future plans

- To preserve original traditions , texts through appropriate means
- To collaborate with scholars and experts
- To research by studying original texts and understanding their relevance for sustainable societal problems
- To develop specific courses focusing on IKS
- CBIT is progressing to meet the objectives of IKS in line with NEP 2020

Focus on Outcome based education (OBE)

Chaitanya Bharathi Institute of Technology (CBIT) is established with affiliation to Osmania University. The institute offers eight undergraduate and eight post graduate programs in Engineering in addition to one PG program each in Computer Applications and Business Management. The Institute has conferred UGC Autonomous status from the academic year 2013-14 and designed the curriculum and syllabus, referred as R-13 Regulation. From the academic year 2016-17 the Institute has adopted Choice Based Credit System (CBCS); accordingly, the revision of the syllabus (R-16 Regulation) has been carried out. The subsequent revision of the syllabus (R-18 Regulation), was done in line with AICTE Model Curriculum from academic year 2018-19 onwards. From R-18 curriculum onwards students are having a provision to acquire Honors /Additional Minor Engineering degree by earning 20 credits additionally through MOOCs. The R-20 curriculum is enriched with courses like Engineering Exploration, Community Engagement, Universal Human Values-2 , Mandatory Internships and activity points(e-portfolio).

The Program curricula for UG and PG programs at CBIT mainly focuses on the Outcome Based Education and it is structured in such a way that it suits the current technology, industrial needs, requirements for continuing higher education, research and also helps the students in securing employment in different organizations. In the process of designing and developing the curriculum the departments have exercised in collecting the feedback from all the internal stakeholders (faculty, students) and external stakeholders (alumni, parents, employers/recruiters and experts from industry and R & D organizations). Curricular gaps are identified by Course Expert Groups(CEGs) through the feedback received from alumni/ outgoing students/ industry and the same is discussed in the department meetings to fill the gaps and accordingly revision has been made in sub-sequent curricula.

In all the regulations, Vision, Mssion, POs and PSOs are also taken into account while drafting the curriculum. The draft copy of curriculum is sent to Program Assessment Quality Improvement Committee (PAQIC) and Department Advisory Committee (DAB) for further suggestions. Then, it will be presented to BoS meeting for thorough discussion. The BoS includes the experts from Industry, Academia, R&D organizations and also Alumni. Later it will be presented to Academic Council to seek the approval, where Academic Council includes the members from user industry, academia from reputed institutions such as IITs/NITs, Universities, R&D Organizations.

The Teaching and Learning process is given the foremost importance in the Institute. Quality improvement in teaching and learning is achieved through well-defined processes. Institution is more focussed on implementing OBE to nurture students' skills, knowledge and attitude. Learner centric pedagogical approaches are adopted by all the faculty members. They are

a) Experiential Learning Methodologies
b) Participative Learning Methodologies
c) Problem Solving methodologies

The Information Communication Technology (ICT) tools used in CBIT includes LCD projector, CBIT ERP system, GOOGLE MEET, WEBX platforms and CBIT Learning Management System.

CBIT Learning Management System: https://learning.cbit.org.in/login/index.php
Every faculty has account in Learning Management System. The courses are created for respective faculty and students of that course are enrolled. Learning material related to the course is uploaded. The contents of the course are:

- Unit wise Notes
- Question Bank
- Lecture Recordings
- Slip Tests
- Assignments

The Institute's library is maintaining the digital repository of course material for all the courses of UG and PG programs.

Distance Education/Online Education

The Institute has excellent infrastructural facilities along with ICT enabled tools to have and offer an online/blended education to its students. It has been a practice in the Institute in offering and using these facilities for an effective and outcome oriented education. Few of such significant practices are mentioned as follows:

- Institute promotes the usage of ICT enabled classrooms which are equipped with overhead projectors, screen and internet/Wi-Fi facility. Each department has a dedicated e-classroom with an additional smart board facility. Every computer laboratory has a 1:1 Student to Computer Ratio while they are in use, and all of the machines have latest configuration and LAN connectivity. All of the classrooms and laboratories are equipped with dual facilities allowing instructors to switch between LCD projectors and white board as needed.
- The Central Library of the Institute has adequate number of LAN connected computers, where students can access digital materials including IEEE, Springer, Elsevier, ASCE, ASME Journals, NPTEL Courses, etc. All the available and subscribed e- resources are provided I.P based access and these resources can be accessed from any computer connected in the campus LAN. The library has introduced a Remote Access facility in 2021 for faculty members and students through login ID and Password. This facility enables the library users to access subscribed online databases/e- Journals/e-books from the off campus / home. This service was effectively used by library users during the COVID period.

- The institute has a customized Learning Management System (LMS) with an access to all the faculty and students. This platform is used to upload lecture videos, course material, assignments and to conduct online proctored examinations.
- The Institute is maintaining the digital repository of course material for all the courses of UG and PG programs.
- Institute has MoU with 42learn.com to facilitate offering of online courses to broadcast the recorded video lectures for UG and PG programs. These video lectures include regular courses and other industry-relevant courses to fulfil and bridge the skill-gap requirements in the market and Industry. This MoU also includes promoting CBIT as a regional Hub for training and promoting skill development courses. The Institute has established a fully furnished, air-conditioned space with an adequate seating capacity and a room for digital recording and editing of the content. The equipment provided by the Company includes 4K Camera, LED Lights, Green Mat, and Focus Lights.
- The Institute further plans to offer online pre-placement training programs.
- The Institute in partnership with Atal Incubation Centre shall facilitate industry trainers and its alumni to conduct relevant programs and subsequently provide placements for students.
- Online executive programs for working professionals for professional development.
- To digitize regular courses by involving faculty, alumni and industry experts to offer to students.
- Institute has established facilities to conduct online courses and training programs for faculty and students. The institute procured licenses for Cisco-webex and Microsoft Teams for smooth conduct of online sessions.

The Institute achieved its vision and goals with the above mentioned practices with ease and effectiveness. This is evident and witnessed during the pandemic period. Institute will also strive to do its bit with best of its capability by using and enhancing these online educational facilities in the near future for the holistic development of the institute and welfare and wellbeing of future citizens as nation builders.

2.How can we bring changes?

- NEP key /focus points mentioned are to be included in the Institutional Development Plan or Strategic plan with clear time/guide lines.
- Workshops (offline only) are to be conducted to create awareness among all the faculty.
- Need to coordinate with affiliating University officials since it is the certificate issuing authority.
- Need to collaborate with the other leading technical institutions in or around Hyderabad to know more about the happenings towards the NEP implementation.
- **As per the oral discussion held with the Principal, Osmania University has conducted two meetings with the Principals of all the colleges and planning to make some clusters for knowledge/infrastructure sharing. However, a directive/minutes of the meetings are yet to be received from the University, so that the roles(and also**

limitations if any) of the autonomous colleges in implementing the NEP 2020 can be known clearly.

3.a)**Yes ,Civil, Mechanical, Electrical & ECE, Chemical and Biotechnology students can opt for 'Additional Minor Engineering' in CSE and related specializations** mentioned below

Computer Engineering | Computer Vision | Cloud Computing | Cyber Security | Internet of Things | Artificial Intelligence | Data Science | Augmented Reality - Virtual Reality | Information Security | Communications and Networking | Embedded Systems & IoT | Signal Processing | VLSIElectric Vehicles | Sustainable Energy | Renewable Energy | 3D Printing and design | Manufacturing &Robotics | Mechatronics & Nano Technology | Construction Management & Administration | Environmental Engineering | Material Science | Biochemical Engineering | Bioscience and Bioengineering

The same information is made available under the admission tab of the institute website(https://www.cbit.ac.in/admission_post/additional-minor-engineering/).

3.b) All the branches of B.E/B. Tech students admitted into our institute have a provision to acquire B.E/B.Tech with 'Honors'(The same information is made available under the admission tab of the institute website(https://www.cbit.ac.in/admission_post/honours/).

The web and Branding committee is asked to prepare a banner for the main page of the website and the team is working on the same. The templates/designs prepared by WBC (based on the inputs given) suggested are shown below.


ADDITIONAL MINOR ENGINEERING
All Students admitted into B.E / B.Tech (Civil, Mechanical, EEE, ECE, Chemical and Biotechnology) can earn Additional Minor Engineering in CSE / IT *
EAMCET CODE - CBIT
*By acquiring twenty additional credits through MOOCs
HONORS
All Students admitted into B.E / B.Tech are also eligible to acquire B.E / B.Tech with Honors on earning twenty additional credits through MOOCs*
For More Information Visit Our Page
CBIT
Offers
HONORS
B.E/B.Tech AI&DS
B.E/B.Tech AI&ML
B.E/B.Tech CET
B.E/B.Tech CSE
B.E/B.Tech Biotechnology
B.E/B.Tech Chemical
B.E/B.Tech Civil
B.E/B.Tech ECE
B.E/B.Tech EEE
B.E/B.Tech Mechanical
B.E/B.Tech IT
ADDTIONAL MINOR ENGINEERING
Computer Engineering
Computer Vision
Cloud Computing
Cyber Security
Internet of Things
Artificial Intelligence
Data Science
Augmented Reality - Virtual Reality
Information Security
Communications and Networking
Embedded Systems & IoT
Signal Processing
VLSI
Electric Vehicles
Sustainable Energy
Renewable Energy
3D Printing and Design
Manufacturing & Robotics
Mechatronics & Nano Technology
Construction Management & Administration
Environmental Engineering
Material Science
Biochemical Engineering
Bioscience and Bioengineering

<u>Title of the Session:</u> Innovation In Biodegradable Alternative to Plastic to address sustainability

Speaker Profile: Dr. K. Veera Brahmam, Scientist-F, Associate Project Director, Advanced Systems Laboratory (DRDO), Kanchanbagh, Hyderabad.

Date & Time: 31-01-2023 & 11:00 am.

Scope:

- Biodegradable bags are bags that are capable of being decomposed by bacteria or other living organisms.
- Biodegradable bags may look and feel similar to plastic produce bags made from petroleum, but they're manufactured out of plant-based materials, such as vegetable starches, wood pulp, lactic acid, or soy proteins.
- As biodegradable products break down naturally, they eventually decompose and are consumed by soil and other natural components.
- This natural process means no forced chemical reaction needs to take place to kickstart the process and less pollution will happen as a result.

Learning Outcome of the session:

- The program is useful in guiding and transforming our students into Entrepreneurs and Researchers in the field of Biodegradable Plastics. This can help students in understanding the Potential in working towards SUSTAINABILITY.
- The most important benefit of biodegradable packaging is the potential to reduce overall waste in the food industry. Instead of discarding tons of plastic to languish in landfills for decades, biodegradable food packaging naturally and completely degrades.
- The development of most bioplastics is assumed to reduce fossil fuel usage, and plastic waste, as well as carbon dioxide emissions. The biodegradability characteristics of these plastics create a positive impact in society, and awareness of biodegradable packaging also attracts researchers and industries.

Number of Students Participated:65

Number of Faculties Participated: 08

Poster:

Photographs of the session:

<u>Title of the Session:</u> Innovation & Technological Trends in IT-Global Opportunities and interaction.

Speaker Profile: Mr. Rayadas Manthena, Vice President, JP Morgan Chase

Rayadas Manthena-Vice President, JPMorgan Chase, Boston/USA White River Junction, Vermont, United States

Rayadas (Roy) Manthena is working as a Senior Vice President, a USA Wallstreet Investment Bank called JPMorgan Chase.He is a highly motivated, conscientious and experienced IT project manager/DevOps Engineer with a background in software engineering who can communicate effectively at all levels. Demonstrates an ability to work under pressure as part of a team or individually using own initiative while maintaining high standards for quality and reliability. Rayadas (Roy) Manthena hails from Rural Villages in Nizamabad, Completed Schooling in Govt Institutions, BE Computers Science & Engineering from Osmania University Campus, HYD (1995) and MBA from New Hampshire (USA). He has been living in The United States for about 25 years. He is currently living in the State of Vermont, USA.

Date & Time: 31- 01 - 2023 & 11:30 am to 4:00 pm.

Scope :

An exquisite speech given by Rayadas Manthena (J.P Morgan Chase Senior vice president, U.S.A) on Students approaching and preparing for higher studies and building themselves to adapt to the emerging technologies and new environment to survive the era of new technology. A new motivation and purpose was given to the students to ignite themselves and grow more in the technical fields of their respective domains in CBIT.

- *What is Innovation*
- *Ideas and advancements in the Information Technology Field*

Learning Outcome of the session:

- Students understood the definition of Innovation and Technological Trends in IT.
- Students had exposed the real-time Ideas and advancements in Information Technology.
- Students understood different Global Opportunities in the IT Field.
- Students understood how to adapt to the emerging technologies and new environment to survive the era of new technology.

Number of Students Participated: 56

Number of Faculties Participated: 06

Poster:

Photographs of the session:

Title of the Session: Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialisation of Lab Technologies & Tech-Transfer

Speaker Profile: Dr. U.K. Choudhury, Prof. &Diurector(I&I), CBIT

Former Executive Director Corporate R&D and Corporate Technology ,angement, BHEL (38 years of Industrial R&D Experience , 3 years Collaboration and Joint Venture

https://www.linkedin.com/in/dr-umakanta-choudhury-94a89a131/Experience)

Date & Time: 23/02/2023 & 11:00 am

Link: *https://www.linkedin.com/in/dr-umakanta-choudhury-94a89a131/details/skills/?detailScreenTabIndex=0*

Scope: Process of Innovation Development, Technology Readiness Level (TRL); Manufacturing Readiness Level, Investment Readiness Level, Commercialisation of Lab Technologies & Tech-Transfer, product Launch.

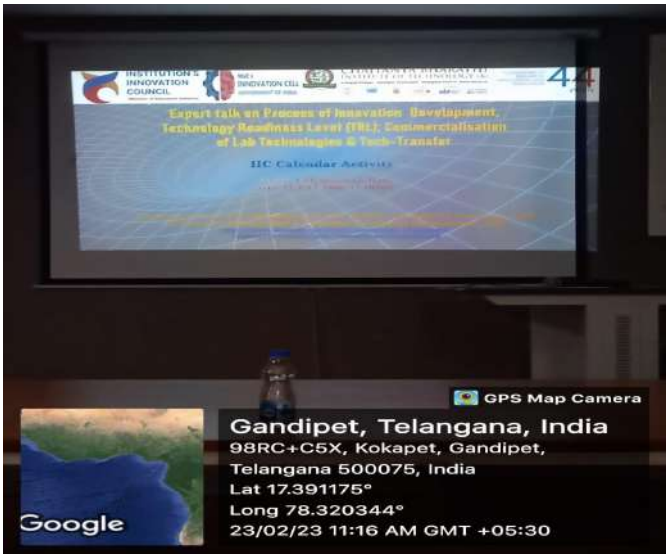
Learning Outcome of the session: Students learned about the Innovation Process , how to manage innovation, product development and their Technology Readiness level, Manufacturing feasibility and technical requirement. Commercialization and Technology transfer for the product developed.

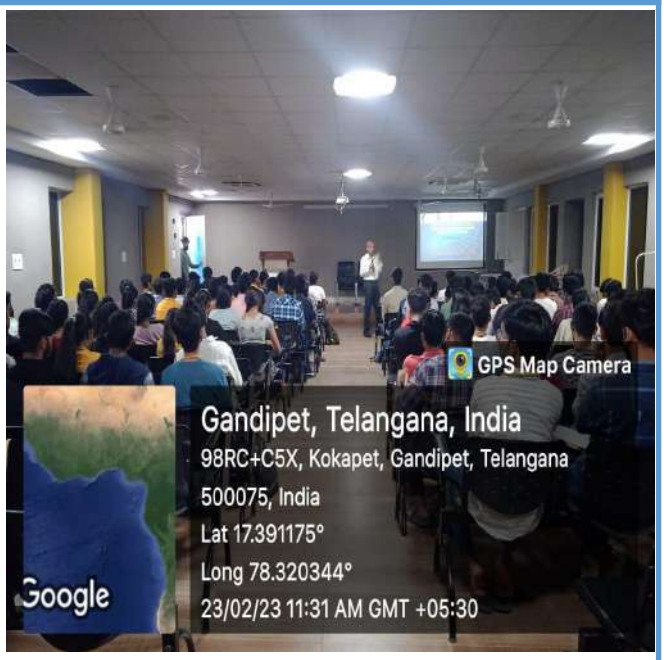
Number of Students Participated: 180

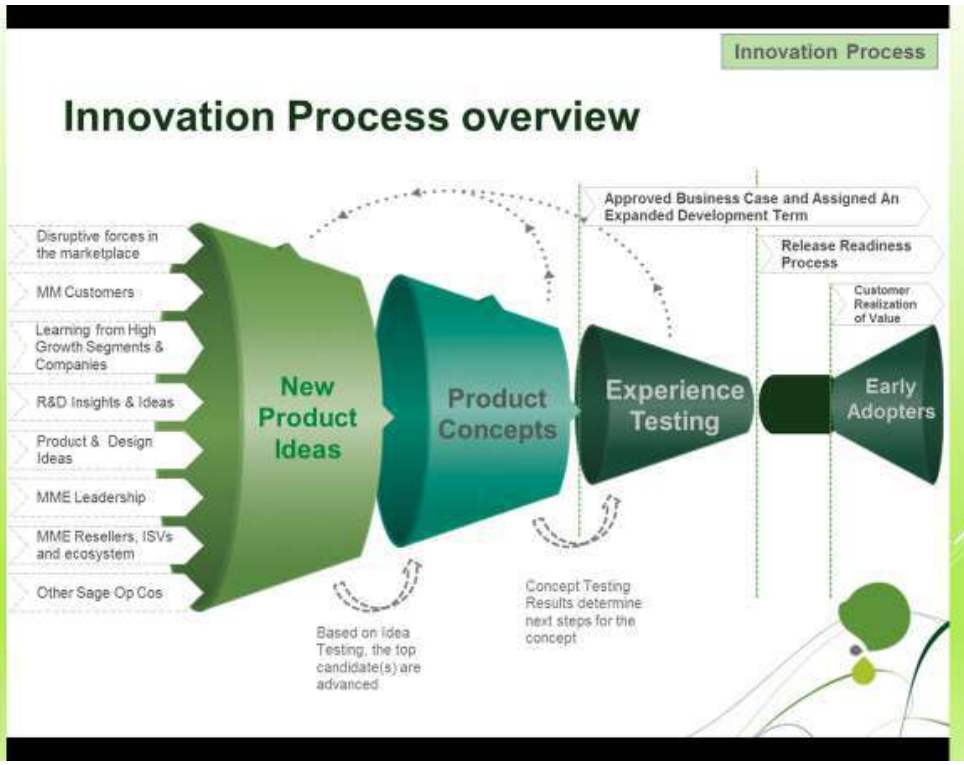
Number of Faculties Participated: 05

Poster:

Photographs of the session:







What are the customer's needs?

Are there any unconscious or unfulfilled needs?
Which customer problems are predominant, and how can they be resolved?

- For instance, after Amazon tested its grocery delivery services in certain Seattle suburbs, it expanded to New York City, San Diego, and Los Angeles.
- For instance, when Amazon tested its grocery delivery service in certain Seattle suburbs.
- After this, Amazon Fresh expanded to Los Angeles, San Diego, and New York City.

Step 3: Solution

- The step 3 aims to develop a worthwhile and ready-to-use solution that can be brought to the market.
- Solutions are developed, prototypes built, and tests carried out.
- In addition to concept and lab tests, the tests also include market tests under real-life conditions to gain firsthand experience and comprehensive feedback.
- Once the solution has reached maturity, it will then be released for implementation: commercialization and marketing.
- At the same time, the concepts for marketing and implementation are further adapted and developed.

Innovation Process Risks & Dangers

The process of innovation is praised for its many advantages which have defined the social and corporate culturessince the time of industrialization.

But, it doesn't come without its dangers and risks as explained below.

1- Innovation Process Technological Failure

The greatest risk a company faces in the innovation Process is whether the concept or product can be successful when it's launched on the market or if it will remain an unproven white elephant.

To reduce this risk the business may conduct tests on a smaller size to assess its efficiency and more efficient testing through launching prototypes.

After the trial is completed and the results are recorded in the product, necessary adjustments can be made to avoid massive losses after the product has been made available for mass production.

2- Financial strain

In many cases, the innovation process faces the issue of draining the resources of the company since the return on investment is usually longer-term, as opposed to instant.

This can lead to the abandonment of the idea or product when it is deemed as not profitable.

However, you must take a look at the anticipated profits and decide whether or not the idea is in line with the long-term objectives of the company.

Step 4: Commercialization and marketing

- The commercialization step develops market value for an idea, product, or service by focusing on its impact. An important aspect of this step is establishing the given idea, product, or service specifications.
- The commercialization stage involves bringing the product to potential customers. It also requires the physical availability of the product by the manufacturers.
- These include mass production, procurement, and logistics based on defined concepts.

Step 5: Diffusion and Implementation

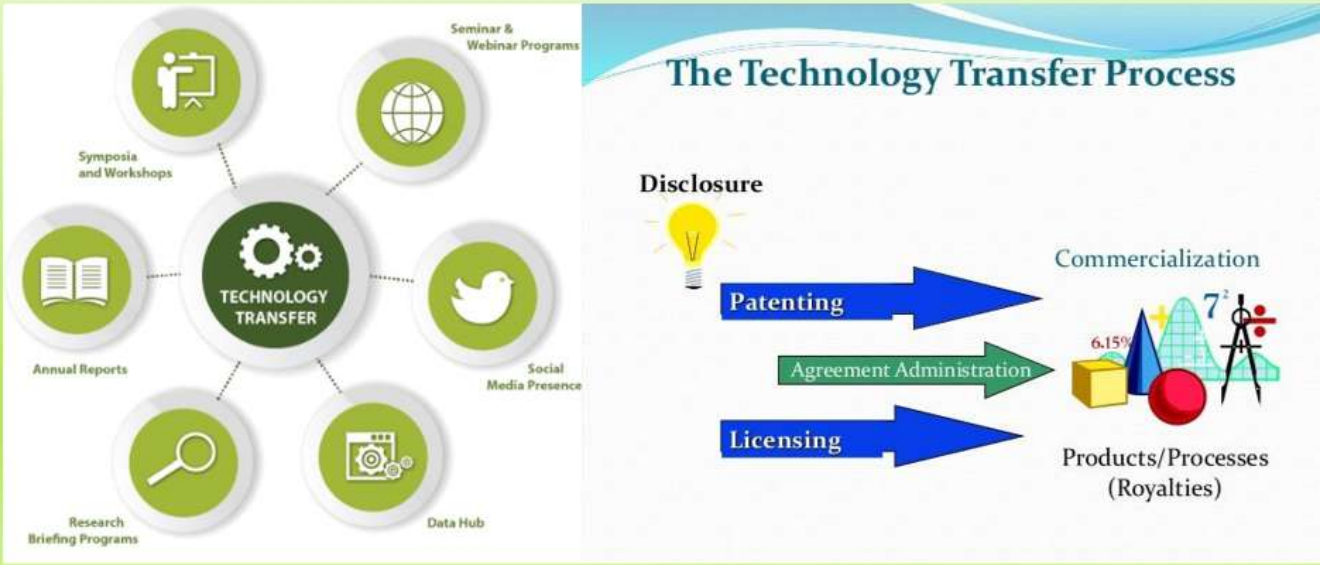
- Diffusion is the spread and acceptance of a company's innovative idea.
- The diffusion and implementation step allows the organization to determine the next set of customer needs, Benchmarks, indicators for success metrics, and receiving feedback enables the organization to stimulate the innovation process.

Definition

- Commercialization is defined as the process of making a product or service available for sale. Commercialization entails production, marketing, and distribution.
- Commercialization generally starts with the development of a new product or service.

What is technology transfer?

Technology transfer (TT) is a collaborative process that allows scientific findings, knowledge and intellectual property to flow from creators, such as universities and research institutions, to public and private users.
Its goal is to transform inventions and scientific outcomes into new products and services that benefit society.
Technology transfer is closely related to knowledge transfer.



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STUDENT COORDINATORS

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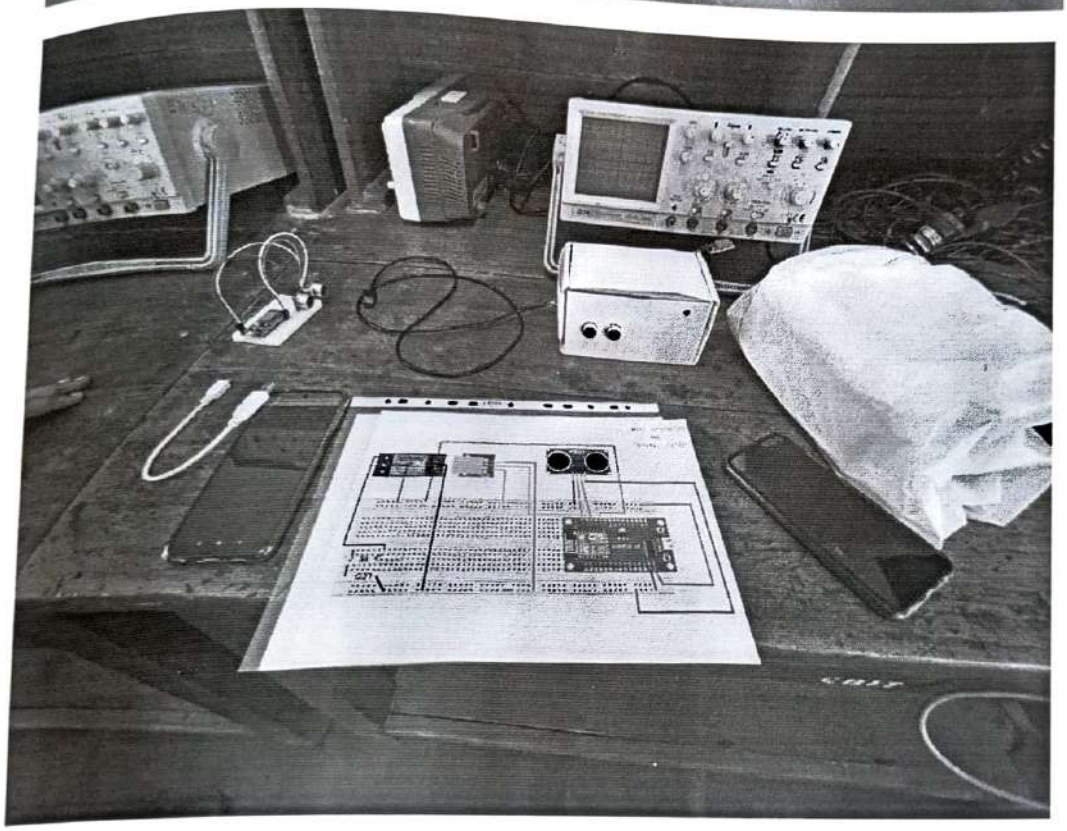

No. 481 /CBIT-AEC/2022 Dt: 16.11.2022

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. 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.

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075

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

A BRIEF REPORT
On
Biotechnology-Alumni Talk conducted on **17.11.2022; 02:45 to 03:30 PM**

Name of the Knowledge Partners	Ms D. Sai Harshitha (2020 batch of Bio-Technology)
Designation	Research Associate –Downstream Process Development, Dr Reddy's Laboratory, Hyderabad
Topic of presentation	**Overview of Downstream Process Development of Monoclonal Antibodies**
Venue	**M-002, Biotechnology Seminar Hall**

Overview of Session

Ms D. Sai Harshitha, Research Associate –Downstream Process Development, Dr Reddy's Laboratory, Hyderabad, has given a brief overview of the Downstream Process Development of Monoclonal Antibodies.

- Briefed about the biosimilars, and various steps involved in the optimization of downstream processes in MABs processing for ensuring product quality, yield and sterility.
- Given insights into various purification methods such as:
  - Chromatography techniques for the separation of a mixture into its components.
  - It includes affinity, Cation exchanger, Anion exchange, and Size-exclusion chromatography techniques.
  - AKTA systems, FPLC (Fast protein Liquid chromatography.
  - Briefed about the role of resins and columns in the purification of the recombinant proteins.
- Explained the process and product-related impurities.
  - The process-related impurities include host cell proteins, host cell DNA and Protein A leachates. Whereas product-related impurities include Aggregates/HMWs, LMWs, and acidic and basic variants.
- Given an overview of MABs production of Upstream and downstream processes.
-

Target Participants: All the students of B.Tech Biotechnology (2nd, 3rd and 4th year students) and Faculty members of Biotechnology department have attended the session.

Outcome of the Session

- Upstream and Downstream process development
- Product analytics and Bio-analytics
- Formulation development and
- Manufacturing

Snapshot during the session

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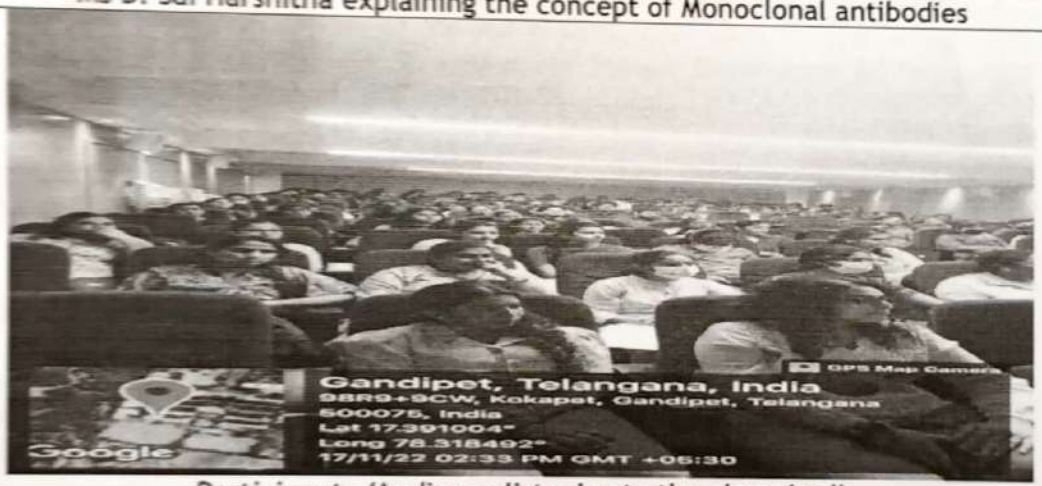
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Ms D. Sai Harshitha explaining the concept of Monoclonal antibodies



Participants /Audience listening to the alumni talk

17/11/2022

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

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

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

Dr. Y. Rajasri
Associate Professor and Head, Biotechnology

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

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	1601-21-805-001	ALEKHYA PASUMARTHY	
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	
3	1601-21-805-003	ANANYA SURABHI	
4	1601-21-805-004	ANSHIKA GUPTA	
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	
10	1601-21-805-010	DENDI MEGHANA	
11	1601-21-805-011	GADDA THABITHA	
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	
16	1601-21-805-016	J KAVYASRI	
17	1601-21-805-017	JANGALA HARI PRIYA	
18	1601-21-805-018	JELLA RITHIKA	
19	1601-21-805-019	KAMMARI HARSHITHA	
20	1601-21-805-020	KANUGANTI AKHILA	
21	1601-21-805-021	KEERTHANA NALLA	
22	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	
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	
26	1601-21-805-026	MADU AISHWARYA	
27	1601-21-805-027	MAHIMA KALYANAM	
28	1601-21-805-028	MEDISETTY RASHMI	
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	
35	1601-21-805-036	REKHAM POOJITHA	
36	1601-21-805-037	REMALLA PRIYANKA	
37	1601-21-805-038	ROSHINI PERUMAL	
38	1601-21-805-039	SHREYA TATI	
39	1601-21-805-040	THODE NEHA	
40	1601-21-805-041	THOGARI RASHMITHA	
41	1601-21-805-042	VAISHNAVI GANGAPURI	
42	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	
43	1601-21-805-044	VISLAVATH SNEHA	
44	1601-21-805-045	VUYYURU HASANTHI	
45	1601-21-805-046	YAKKANTI VAISHNAVI	
46	1601-21-805-047	ADVAITH ROY	
47	1601-21-805-048	DHRUV TADIKONDA	
48	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	
49	1601-21-805-050	GILKAPALLY KOUSHIK	
50	1601-21-805-051	GUGULOTH BHASKAR	
51	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	

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B.Tech (Biotech) - III Sem, 2022

52	1601-21-805-053	HANOK ADITYA K	
53	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	
54	1601-21-805-055	KUNAM SAI SUNDER	
55	1601-21-805-056	MANIKONDA 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	
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	

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B.Tech (Biotech) - V Sem, 2022 17/11/22

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Department of Biotechnology

B.Tech. (BIOTECH) - V SEMESTER

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

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B.Tech (Biotech) - V Sem, 2022

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42	1601-20-805-045	BHANU PRAKASH THIRUNAGARI	
43	1601-20-805-046	CHENNA KESHAVA CHARAN MATTA	
44	1601-20-805-047	DINESH REDDY PATLOLLA	
45	1601-20-805-048	DIVYAMSHU SURABHI	
46	1601-20-805-049	GOURAV T	
47	1601-20-805-050	HARISH POLE	
48	1601-20-805-051	HRITHIK KOLLURU	
49	1601-20-805-052	KALLURI CHETAN BABU	
50	1601-20-805-053	METTU VIKKI KUMAR	
51	1601-20-805-054	MIHIR CHANDRA MADASU	
52	1601-20-805-055	RAKESH REDDY NARU	
53	1601-20-805-056	SAI CHANDRA VARNA KORRAPATI	
54	1601-20-805-057	SAI PRATHIB DIDUGU LALITHA KUMARI	
55	1601-20-805-058	SAMANTH CHINTHAKINDHI	
56	1601-20-805-059	SUMANTH RAO MAMIDI	
57	1601-20-805-060	YASHASVI KAMBHAMPATI	

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B. Tech (Biotech) - VII Sem, 2022 1-1-11-2022

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Department of Biotechnology

B.TECH. (BIOTECH) - VII SEMESTER

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

17/11/2022

B. Tech (Biotech) VII Sem, 2022

S.No	Roll No.	Name of the Student	Signature
48	160119805056	SUMEET CHENNA	
49	160119805057	VEERABHADRAM BANOTHU	Veera Bhadram
50	160119805058	VENKATESHU MALAVATHU	Venkatesh
51	160119805059	YASHIR DURAIRAJAN	
52	160119805060	SAHITHI BATHULA	
53	160118805004	DEDEEPYA ADICHERLA	

Sai phani roll no. B

Dept.of Biotechnology

HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Title of the Session: Awareness on Innovation and Entrepreneurship

Speaker Profile: Prof Ramakrishna Kolikipogu

Date & Time: 24/02/2023 & 01:00 pm

Link:https://www.linkedin.com/posts/kolikipogu_awareness-program-on-innovation-entrepreneurship-activity-7034745087876087808-O9gX?utm_source=share&utm_medium=member_desktop

Scope:

1. Importance of Innovation and Entrepreneurship.
2. Entrepreneurship as a Career & Opportunities.
3. I&E Ecosystem in the Institution.
4. 21st Century Skills for Innovation.
5. Social Innovation & Entrepreneurship.
6. Design Thinking for Innovation.
7. Phases of Successful Entrepreneurship.
8. Case Studies in Indian Context.

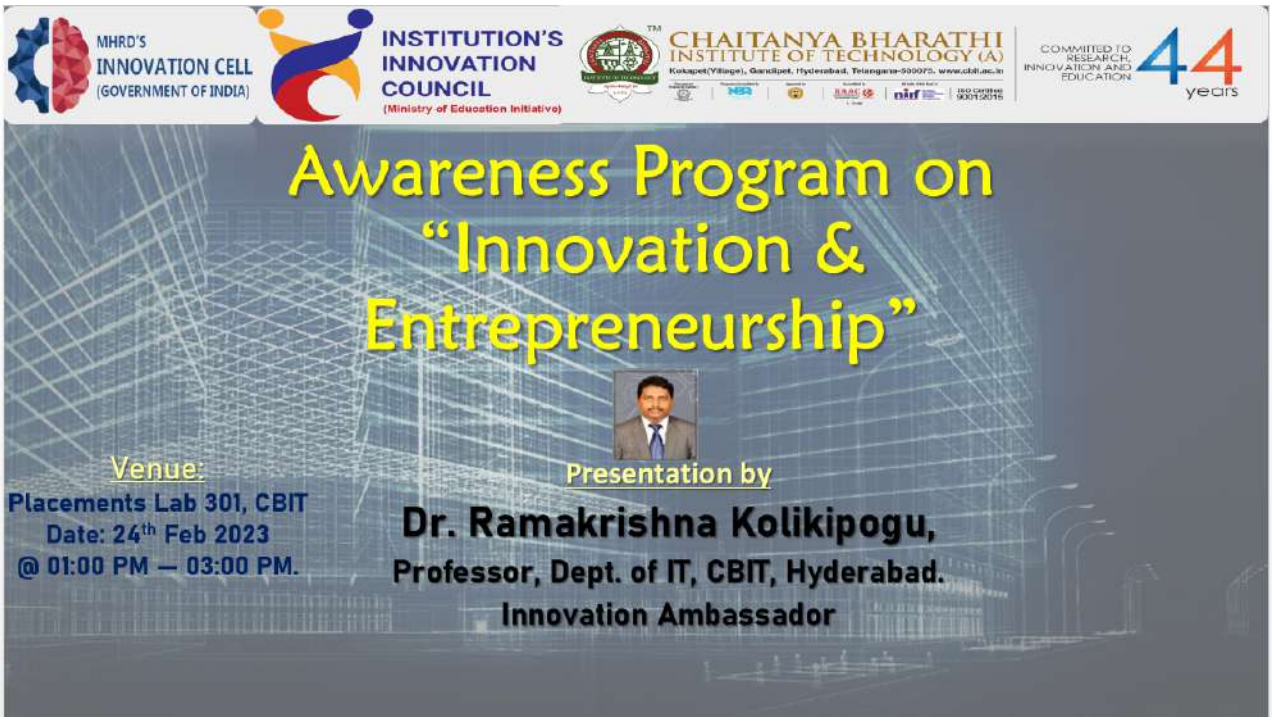
Learning Outcome of the session:

1. Understanding of Innovation and Entrepreneurship.
2. Knowledge on Entrepreneurial Ecosystem
3. Understanding of Design Thinking approach for Innovation
4. Gaining knowledge on Opportunities for Innovation and Entrepreneurship in India
5. Exposure on case studies, and support by Government and other incubators to become an entrepreneur.

Number of Students Participated: 66

Number of Faculties Participated: 07

Poster:



Photographs of the session:

Demo Day, Prototype Exhibition, Poster Presentation of Ideas with Innovation Ambassadors/Experts for Mentorship Support

Activity by CBIT's Ias, Faculties and Mentors For Demonstration of Innovation/Prototype and poster presentation

Product Demo Regisatrtion.

Email Address	Name	Mobile	Department	Designation	Organization	Title of the Product/Process
ugs207204_it.uday@cbit.org.in	Baddam Uday Krishna Reddy	9392504134	IT	Student	CBIT	Anti Ragging System
ugs207209_it.venkata@cbit.org.in	V Venkata Raghava Reddy	8688553116	IT	Student	CBIT	Anti Ragging System
thaneerurevanth02@gmail.com	REVANTH THANEERU	7794965764	Civil	Student	CBIT	LOW COST CONSTRUCTION WITH PLASTIC WASTE
caleb100197@gmail.com	J Caleb Joel Raj	8886167352	Bio-Tech	Student	CBIT	Evaluating the antimicrobial Properties of Algal Polysaccharides and Their potential Applications
chennasumeet20@gmail.com	Chenna Sumeet	9550710068	Bio-Tech	Student	CBIT	Integrated approach of Adsorption and Bioremediation for complete removal of Textile Dyes in Microbial Fuel Cell.
hazarishivani21@gmail.com	Shivani Hazari	7569947055	Bio-Tech	Student	CBIT	Integrated approach of adsorption and bioremediation for complete removal of textile dyes in microbial fuel cells
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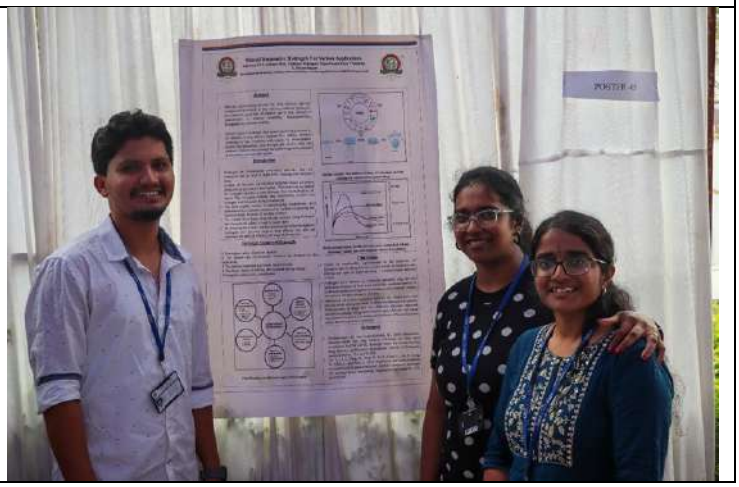
nitinratnam16@gmail.com	Badhe Nitin Ratnam	9515102173	Bio-Tech	Student	CBIT	Polymer micelles based sanitizer
aishwarya.cvs001@gmail.com	Aishwarya CVS	+918790624431	Bio-Tech	Student	CBIT	Hydrogel films for drug delivery
pylamahitha@gmail.com	Mahitha Pyla	+919347522251	Bio-Tech	Student	CBIT	Swellable films for potential wound healing application via aroma therapy
aadarsh.shetkar@gmail.com	Adarsh Shetkar	9866273273	IT	Student	CBIT	Casa de vacaciones (holiday home)
tadikonda.dhruv@gmail.com	Dhruv Tadikonda	9059831398	Bio-Tech	Student	CBIT	Algal Biomass as fertilizer
sravyakraju@gmail.com	Sravya Kunaparaju	7032088933	Bio-Tech	Student	CBIT	Evaluating the antimicrobial Properties of Algal Polysaccharides and using them as a Biodegradable coating on Personal Protective Equipment
shivatheja.l@gmail.com	Lyakajigari Shiva Theja	9441791701	IT	Student	CBIT	Full Stack Web Application for CDC(Placement Cell)

shivaprasad1070@gmail.com	Savarkar Shiva Prasad	9502367279	Bio-Tech	Student	CBIT	Portable microscope for e-waste
kasyapdimpu@gmail.com	POLAMRAJU VENKATA KASYAP	7036648127	Bio-Tech	Student	CBIT	Portable microscope from e-waste
shreenija.peri@gmail.com	Shreenija Peri	09502409392	Bio-Tech	Student	CBIT	Evaluating the antimicrobial Properties of Algal Polysaccharides and using them as a Biodegradable coating on Personal Protective Equipment
sanjanakankipati0195@gmail.com	Sanjana Kankipati	7382070901	Bio-Tech	Student	CBIT	Swellable films for potential wound healing application via aroma therapy
ugs20c136_aid.faisal@cbit.org.in	Mohammed Faisal Hussain	9440274808	IT	Student	CBIT	Service@Ease - An Engagement Platform for companies
chetanbabukalluri@gmail.com	K.chetan Babu	9391581207	Bio-Tech	Student	CBIT	Polymer micelles based sanitizer
anuraag.cbit@gmail.com	Anuraag B	7207842369	IT	Student	CBIT	casa de vacaciones (holiday home)
parmaransh222@gmail.com	Ansh Neel Parmar	7671981068	IT	Student	CBIT	Service@Ease: An Engagement Platform
mattacharan123321@gmail.com	Matta Chenna Keshava Charan	9177491458	Bio-Tech	Student	CBIT	Fast dissolving biodegradable films for drug delivery and personal care applications
srijaesampalli@gmail.com	Srija Esampalli	9392825098	IT	Student	CBIT	Agriculture Trading
punisaikrishna@gmail.com	sai krishna puni	9951645990	IT	Student	CBIT	full stack web application for cdc
hafsazareen064@gmail.com	Hafsa Zareen	7708397186	IT	Student	CBIT	Agriculture Trading
syedlukman102@gmail.com	Syed Lukman Ahmed	9347619681	IT	Student	CBIT	full stack web application for cdc
srinathreddy200230@gmail.com	Kothapally Srinath Reddy	7981602417	IT	Student	CBIT	Full Stack Web Application for cdc
ugs207336_it.affan@cbit.org.in	Affan Ahmed	8074231658	IT	Student	CBIT	Casa De Vaciones (holiday home)
nishanthartham123@gmail.com	Nishanth Artham	9059105727	IT	Student	CBIT	Activity Points Tracker
aquib.mohd3438@gmail.com	Mohd Aquib	8688708779	IT	Student	CBIT	Service@Ease: An Engagement Platform
vriddhidarak@gmail.com	Vriddhi Darak	8688733413	IT	Student	CBIT	Activity Points Tracker
yennapurohitha19@gmail.com	Rohitha Yennapu	8074135872	IT	Student	CBIT	Activity points tracker
kgangadhar_it@cbit.ac.in	K. Gangadhar Rao	89772 18085	IT	Asst.Professor	CBIT	Activity Points Tracker
nishasamy121@gmail.com	K NISHA	9440743524	IT	Student	CBIT	Activity Points Tracker
pedgaonkar1721@gmail.com	Ameya S Pedgaonkar	9704712121	IT	Student	CBIT	Casa De Vacaciones (holiday home)

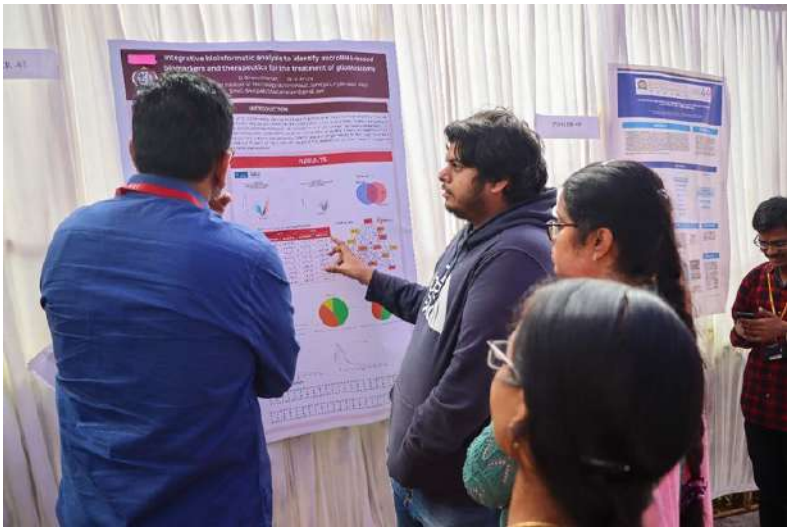
divyadiv1627@gmail.com	Divya Prema Suroju	9701964241	Bio-Tech	Student	CBIT	Algal Biomass as Biofertilizer
shreyaammu25@gmail.com	Banalla Shreya	9640052570	Bio-Tech	Student	CBIT	Algal Biomass as Biofertilizer
chennasumeet20@gmail.com	Dr. Nagendranatha Reddy C	9885512489	Bio-Tech	Asst.Professor	CBIT	Integrated approach of Adsorption and Bioremediation for complete removal of Textile Dyes in Microbial Fuel Cell.
krithisha06@gmail.com	Krithisha vuppala	7386926226	Chemistry	Student	CBIT	Participant
nagendranath_biotech@cbit.ac.in	C. Nagendranatha Reddy	9885512489	Bio-Tech	Asst.Professor	CBIT	Integrated approach of Adsorption and Bioremediation for complete removal of Textile Dyes in Microbial Fuel Cell

Email Address	**Name**	**Mobile**	**Department**	**Designation**	**Organization**	**Title of the paper/Poster**
projeck.mkkm@gmail.com	Krushe Mundru	8688919292	Bio-Tech	Student	CBIT	Novel in-silico design of hybrid phages for treatment of multi-drug resistant tuberculosis
ugs19003_it.jhansi@cbit.ac.in	Jhansi Sreya Jagarapu	6303006524	IT	Student	CBIT	Tracing of Criminals Using Drones
abdulmuqeeth038@outlook.com	Abdul Muqeeth	+918247601866	Bio-Tech	Student	CBIT	Development and comparison of numerous M. tuberculosis vaccine candidates in-silico using reverse vaccinology.
doolambalaji1@gmail.com	Balaji Doolam	8309761816	Bio-Tech	Student	CBIT	COMPARING THE CHEMICAL PROPERTIES OF FRESH AND HEATED REFINED GROUNDNUT AND SUNFLOWER OILS
bhanushankard112@gmail.com	Bhanu Shankar Dhulipalla	9908809595	Bio-Tech	Student	CBIT	Integrative bioinformatic analysis to identify microRNA-based biomarkers andtherapeutics for the treatment of glioblastoma
dmounika317@gmail.com	Kavuri V S Satya Nagalakshmi Mounika	9390824549	Bio-Tech	Student	CBIT	Novel in-silico design of hybrid phages for treatment of multidrug resistant tuberculosis
cobulreddy_biotech@cbit.ac.in	Dr Chittepu Obula Reddy	9398228635	Bio-Tech	Asst.Professor	CBIT	comparing the chemical properties of fresh and heated groundnut and sunflower oils heated
shaikferoz7297@gmail.com	Feroz Shaik	7794026111	Civil	Student	CBIT	Study of Mechanical and Fracture Properties of Steel Fiber Reinforced Geopolymer Concrete
sharmav08102@gmail.com	V Shreya Sharma	8688269128	Bio-Tech	Student	CBIT	COMPARING THE CHEMICAL PROPERTIES OF FRESH AND HEATED REFINED GROUNDNUT AND SUNFLOWER OILS

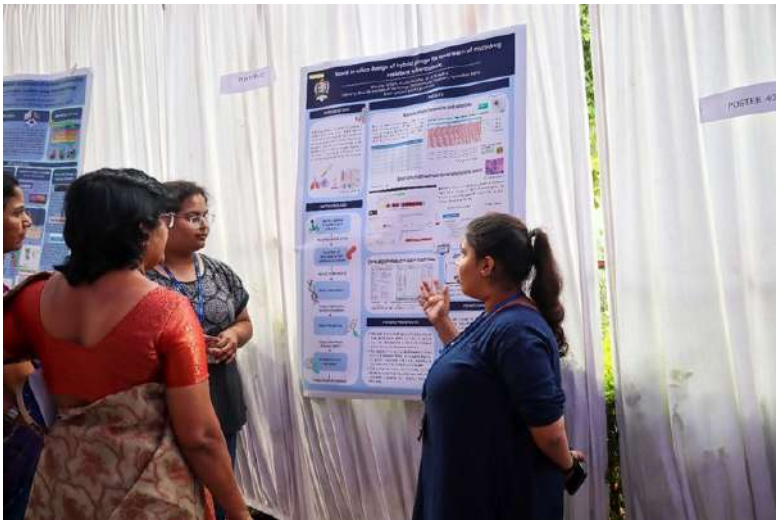

INSTITUTION'S INNOVATION COUNCIL
MoE's INNOVATION CELL
GOVERNMENT OF INDIA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
COMMITTED TO RESEARCH INNOVATION AND EDUCATION
44 years
Demo Day, Prototype Exhibition, Poster Presentation of Ideas with Innovation Ambassadors/Experts for Mentorship Session
Activity by CBIT's Iac, Faculties and Mentors
For Demonstration of Innovation/Prototype and poster presentation
DEMO DAY
17-12-2022
Venue: CBIT Research and Entrepreneurship Hub/R&D centre




PROTOTYPE EXPO




AIRA



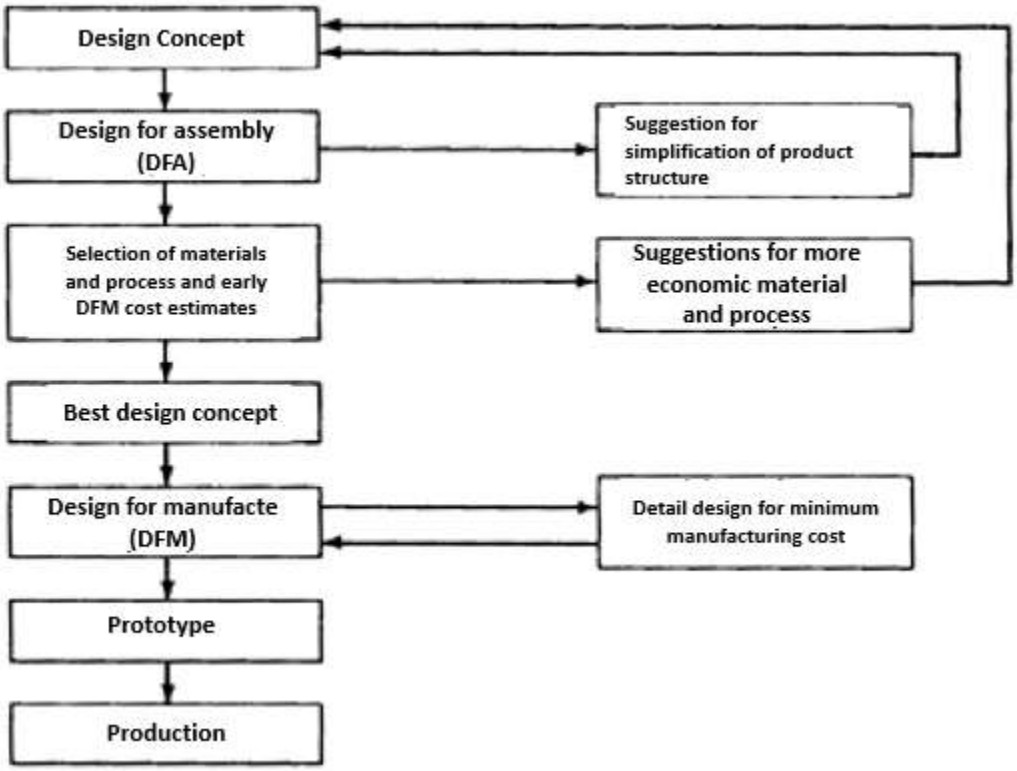
Scope: Industries are trying to be more compatible and to improve a country's economy. Developing technology seems to be the key and needs a lot of investment on higher education in research and development. Engineers regard training as the most important phase to learn, but they forget that Sciences and Mathematics are the basis for developing products and technology (Li, 2015). Somehow, the skills to develop solutions have not been reached and Engineering and education do not show how to think about the problems ahead, only to expose information.

Creating solutions can be the key for improving the ability to develop sustainability. Bringing knowledge, the best products and ethical attitudes is related to most of the activities that can be developed within classroom. The education that "shows" the way may be less effective in the case of development than problems that are the basis for learning and developing challenges, thus enabling students to have the capacity to create solutions. Teaching how to correct a problem that does not yet exist for a new professional is an academic challenge. The PDP model was successfully adapted to be applied in the classroom for an undergraduate engineering course.

To validate the work structure, deliveries must be specific in the form of:

- Creating a model/Prototype for the development/improvement of ideas;
- Creating a prototype of recyclable materials for sustainability development;
- Involving students as professionals to work together to create and develop new sustainable solutions.
- Demonstration of Prototype /model and Competition.

Points to be covered:



1. **Register Idea** – Participants will register their “Idea” with R&D.
2. **Mentor** – If the registrant desires to engage with a personal mentor, then designate that in the registration. Mentors will meet individually with a participant to determine where they are in the creation and development process, advise on the next steps and connect to others that can benefit or enable as well.
3. **Facilities will be provided for product Demonstration**.
4. **Selection of best product or Poster presentation will be done by a group of Judges**.

Out come of the Session:

Distribution of Prizes for Winning best an Idea and Poster Presentation and made some suggestions for improve their Ideas and Poster Demonstration

Product Activities	**Suggestions**
Focusing Too Much On The Product And Not Enough On The Prospect	● Acknowledge Customer Pain Points ● Offer Solutions For Prospect ● Set Context By Referencing Prospect’s Role
Setting Unrealistic Expectations	● Revisit Key Takeaways From Previous Interactions. ● Offer 2-3 Specific Examples Of How Your Product Offers Value ● Ask Customer What Areas Of Their Work You Can Help With
Talking For Too Long For Your Customer's Attention Span	● Ask Questions Often ● Pause To Allow Prospects To Absorb Information ● Use Simple, Direct Language ● Incorporate Augmented Reality
Not Communicating The Next Steps To Take With A Strong Call To Action	● Identify The Decision Maker And Plan To Follow Up Using Your CRM ● Summarize The Product Demo And Highlight Key Points ● End Demo With What The Prospect Can Do To Move Forward

Title of the Session: **Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support.**

Date & Time: 31-01-2023 & 10:00 am to 01:00 pm.

No.of Student Participants: 62
No.of Faculty participants: 10

Poster:

Photographs of the Session:

Sr. No.	Startup Name	Founder Name	Brief Idea	Email	Contact	Last update (if any)
Ideathons						
1	Orange Squadron	Yamini Harikrishnan	IoT digital device for safety of women	yamprakash130@gmail.com	9866614850	Meeting with Womens Safty wing Hyderabad to get views on the device's application. Ugly prototype ready, applied for patent

2	Truss	Mukund Vishwanath	russ- Bridging the gap between Entrepreneurs is a student entrepreneurial education and networking platform	mukundvishwanath@gmail.com	6302135474	Working on the AI of the platform. applied for patent
3	AR Hologram Teaching in rural areas	Pyaraka Sri Chakra Raj	AR Hologram Teaching in rural areas. In the world full of learning, there are still few areas to be focused	ugs19114_it.sri@cbit.ac.in	9030565603	applied for patent
4	Token Disc	Prerit Mittal	Crypto based educational, investment and trading app	preritmittal0709@gmail.com	8790377647	
5	Sonic Airtek	Uday Bhaskar	Conveyor system that works on sucking action. For agricultural produce	sonicairtek@gmail.com	9440069042	
6	Artificial Intelligence-Driven Bra for Early Breast Cancer Detection	Akella Srivalli		avsmsv.atlg@gmail.com	9618210544	
TSIC Innovators						
1	SRI GANESH GOLD & SILVER WORKS	RAVIKANTH CHARY RANGANNAGARI	Gold work	ravikanthrangannagari@gmail.com	9848494108	
2	Anyadhatri idea private limited	Gajjala Manikanta	Application for event Management.	gajjelam@gmail.com	7989100536	
3	Ganpati Innovations	Dr.Raju Ramekar	Innovations in Vehicle safety in foggy climate and hilly region and medical device for blood group detection and epilepsy alert device	rajuramekar7@gmail.com	8712824994	

Agri Aavishkar						
1	Future Makers	Neela Siddartha	Seed Bank Storage (With Temperature and oxygen maintenance for the sustenance of seeds), Seed storages- More efficient and less expensive. Let farmers and seeds lead their life	Siddarthaneela@gmail.com	8328222498	
2	Team distorted signals	Owais Quadri	Monitoring & management of water quality, soil fertility, and health, crop growth and health (pest and diseases, macro & micro nutrients, water), The water management, soil fertility, and crop health with the help of iot and real time sensors	quadriowais964@gmail.com	9959709841	
3	FARMER KID	CHAGARLA SAI CHARAN	canteen management systems	saicharanchagarla@gmail.com	9392166001	
Agri Aavishkar						
1	Savna Tech Products Pvt Ltd	Satya	canteen management systems		9392166001	
2	Traverse	Puneeth Sarma	Automated Traffic System	puneethsarma.nimmaraju@gmail.com	7702743792	
3	Calcitex cybernetics LLP	Suhanth Pambi Shanmukh Sitaram	Works about IT_Solutions ,Fintech, E-commerce.	hr@calcitex.com, ceo@calcitex.com	9398924589	

ORGANIZING COMMITTEE

Chief Patron

Sri. N. Subash , President, CBIT

Patron

Dr. P. Ravinder Reddy, Principal, CBIT.

Chief Advisor

Dr. UK Choudhury, Director I & I, CBIT.

Convenor

Dr. P. Prabhakar Reddy, HOD, Mechanical, CBIT
Dr.D. Krishna Reddy, HOD, ECE, CBIT

Coordinators

Dr. B V S Rao, Assistant Professor, MED, CBIT
Dr. P. Sathish, Assistant Professor, ECE, CBIT

Co-Coordinator

Dr. Kiran Kumar Amireddy, Assistant Professor, MED CBIT
Dr. N.Venkataphanendrababu, Assistant Professor, EEE, CBIT

Advisory Members

Dr. PVR Ravindra Reddy, Professor, MED, CBIT
Dr. NV Srinivasulu, Professor, MED, CBIT
Dr. G. Laxmaiah, Professor, ECE, CBIT
Dr. N. V. Koteswara Rao, Professor, ECE, CBIT
Dr. A. D. Sarma, Professor, ECE, CBIT
Dr. P. Narahari Sastry, Professor, ECE, CBIT

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Dr. Kiran Kumar, Associate Professor, IT, CBIT
Dr. S Rajeev Kannan, Assistant Professor, MED, CBIT
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CBIT
Mrs. N. Jyothirmayi, Assistant Professor, MED, ECE,
Mrs. KNV Sreedevi, Assistant Professor, ECE,
Sri N. Jagan Mohan Reddy, Assistant Professor, ECE,
CBIT
Smt. N. Dhanalakshmi, Assistant Professor, ECE, CBIT
CBIT
Dr. D. Nagadevi, Assistant Professor, ECE, CBIT

ABOUT THE INSTITUTE

CBIT is one of the premier Engineering Colleges in the state of Telangana located in the serene surroundings of Gandipet Lake. Over the past 41 years this institute has become a temple of knowledge and produced about 21,000 eminent and skillful graduate and postgraduate engineers, serving all over the world. Various programmes of the college were accredited five times by NBA (AICTE) and the institute is also accredited by NAAC - UGC. UGC has granted autonomous status to this institute from the academic year 2013-2014 and renewed in 2019-2020. The total constructed area is about 6.257 lakhs sq. ft, Worth about Rs. 45.00 crores spread over 50.32 acres. The grants received from AICTE/UGC/DST are worth about Rs. 4.5 crores. The college offers Nine UG and Eleven PG courses. The college has signed MoUs with various esteemed institute has signed MoUs with various esteemed organizations.

ABOUT THE AICTE IDEA LAB OF CBIT

The aim of AICTE IDEA Lab in 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. In this process, students and faculty are getting trained on 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. The program is being actively guided by Dr. UK Choudhury, Director I & I. Dr. BVS Rao and Dr. P. Sathish 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 IoT prototype development. So that they become technically capable and confident to convert idea into prototype. Presently the IDEA Lab at CBIT is also trying to reach schools and industries in and around Hyderabad, to train and motivate the students to use IDEA Lab in CBIT.

A One-Week AICTE IDEA LAB Faculty Development Programme (FDP) on

"Digital Manufacturing and IoT Based Prototype Development"

24 -28, April 2023

Coordinators
Dr. B V S Rao
Dr. P. Sathish

Organized by

ARCTE IDEA LAB
Chaitanya Bharathi Institute of Technology (A)
(Affiliated to Osmania University & Approved by AICTE, Accredited by NBA-AICTE, NAAC-UGC,ISO 9001:2015Certified, Kokapet(V), Gandipet(M), Rangareddy Telangana-500075
Website: http://www.cbit.ac.in

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 44 years

IEEE CBIT Student Branch (STB31231)

IEEE-Robotics and Automation Society – Student Branch Chapter

WEBINAR NOTICE

Agenda	: Inaugural Ceremony
Title of the session	: Introduction to Robotic careers
Chief Guest	: **Dr. Rakesh Kumar Sidharthan** (Technical Manager, Engineering R & D Services)
Guest of Honor	: **Dr. Sudarshan Jayabalan** (Chair of IEEE Robotics and Automation Society, Hyderabad Section)
Venue/Platform	: Online
Meeting link	: https://cbithyd.webex.com/cbithyd/j.php?MTID=m786d14c7f21a1331c700288fbd0b2e7d
Date	:22nd October 2022
Time	:2.00 PMto 3.30 PM

Abstract / About the Programme

The IEEE Robotics and Automation Society (RAS) Student Chapter of Chaitanya Bharathi Institute of Technology (CBIT), formed by the Departments of Electronics and Communications Engineering and Information Technology of CBIT, works to advance the theory and practice of robotics and automation engineering and science, the allied arts and sciences, and to maintain high professional standards among its members. Robotics is concerned with systems that incorporate sensors and actuators and operate autonomously or semi-autonomously in collaboration with humans.It also places a high value on intelligence and adaptability in dealing with unstructured environments.

About the Speakers

Dr. Rakesh Kumar Sidharthan, is a robotic researcher who holds a PhD in autonomous mobile robots. He is working on improving SLAM performance with adaptive sensor fusion technology. He has advised research scholars on robot engineering issues and technical writing/publications. He has 45+ technical articles published in various international journals. He is currently working on the creation of an integrated robotic and computer vision-based solution framework. He intends to improve the framework so that it can learn-by-vision with automatic robot programming capability and be generalized for faster deployment of robotic solutions.

Dr. SudarshanJayabalan,is the working chairperson of the Robotics and Automation Society(RAS) Hyderabad Section - formed by the Electronics and Communications Engineering and Information Technology of CBIT since July 2022. He is currently working on 3 research projects worth INR 8.25 Lakhs towards the development of industrial and educational Humanoid Robot. He had served as an invited speaker for International Conference on Mechanical Engineering and Automation Science 2017 (ICMEAS 2017) was held in University of Birmingham, UK, from Oct.13 to 15, 2017. He has also published around 7 research articles in the field of artificial intelligence and robotics in reputed international journals and conferences.

Faculty Coordinator: Mr. G. Mallikarjuna Rao, Asst. Professor, Dept of ECE, Dr.RajanikanthAluvala, Associate Professor, Dept of IT

Student Coordinator: Vaeshnavi Vella, Srinivas Reddy

Student Organizers: Jeevan Kumar, V. Shiva, Sri Chakra Raj, C.Sumanth, SrijineshAlanka

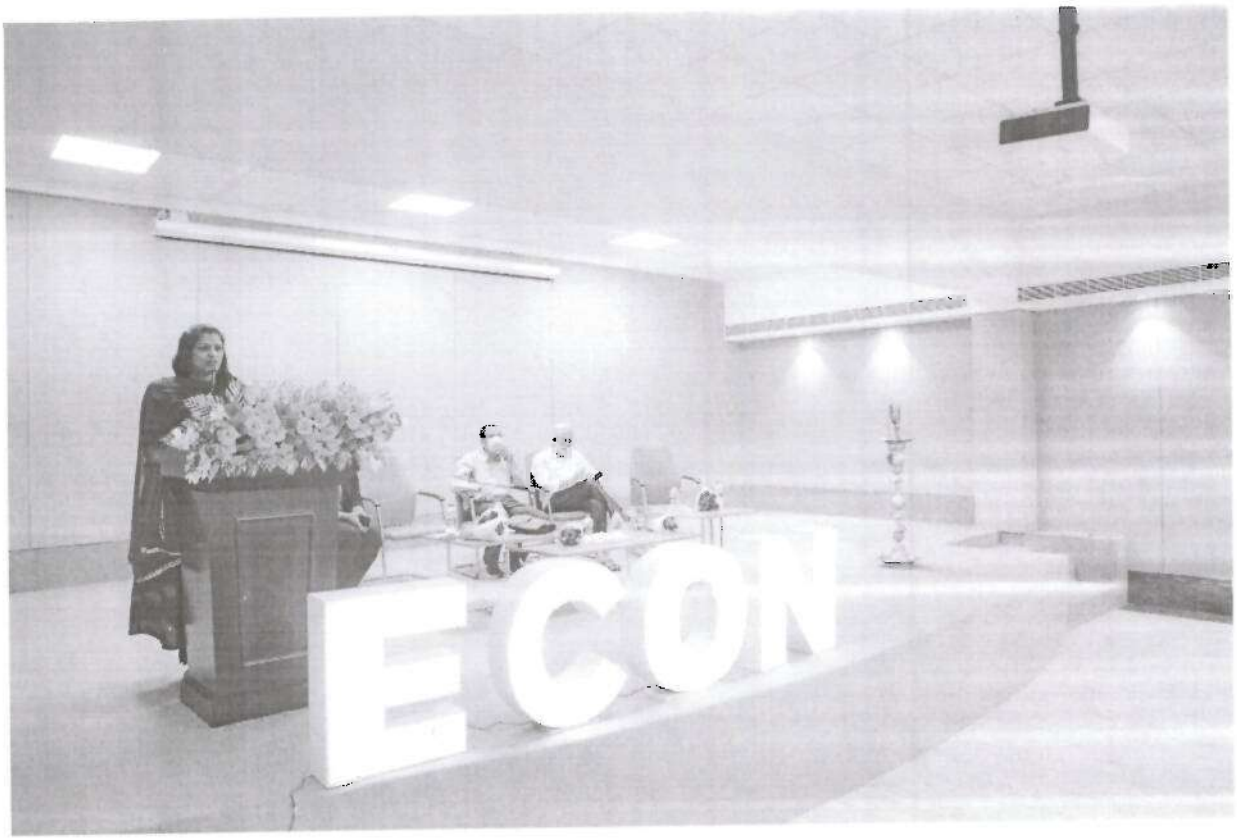
All are Welcome

ECON 2022 CBIT'S ENTREPRENEURSHIP AND BUSINESS CONCLAVE EVENT REPORT

EDC CBIT conducted ECON CBIT's Entrepreneurship and Business Conclave on March 31st, 2022, and April 1st, 2022. With an amalgamation of formal and informal events and insightful speaker sessions, the two-day event saw around 300 participants from various colleges around Hyderabad. ECON started off with an inaugural ceremony that took place on 31st March 2022, which was presided over by the Director of Student Affairs, Professor P. Sreenivasa Sarma Sir. Our Principal Dr. P. Ravinder Reddy gave the welcome address, followed by the introduction of ECON and EDC CBIT by our faculty coordinator Dr. P. Prabhakar Reddy. Chief Guest for the inaugural ceremony was Ms. Deepthi Ravula, CEO of WE Hub who spoke about the importance of research before jumping into entrepreneurship. The event concluded with a vote of thanks by student president Vaishnavi Pekety.

Inaugural Ceremony

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana



Mrs. Deepthi Ravula

The inaugural ceremony was followed by a speaker session by Mr. Kanthi Dutt, founder, and CEO of Sustain Kart. The speaker session was very insightful and it inspired a lot of students to understand the basics of business. Mr. Kanthi Dutt spoke about how he started his businesses when he was very young and about his journey to Sustain Kart.

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

Kanthi Dutt

The events which took place on day 1 are Pitch Perfect, Back to Business, and IPL Auction round 1. Pitch Perfect is an event where each participant is given a product and they need to pitch their idea. Back to Business is a case study event where the participants need to do a SWOT analysis of certain situations.

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Department of Mechanical Engineering
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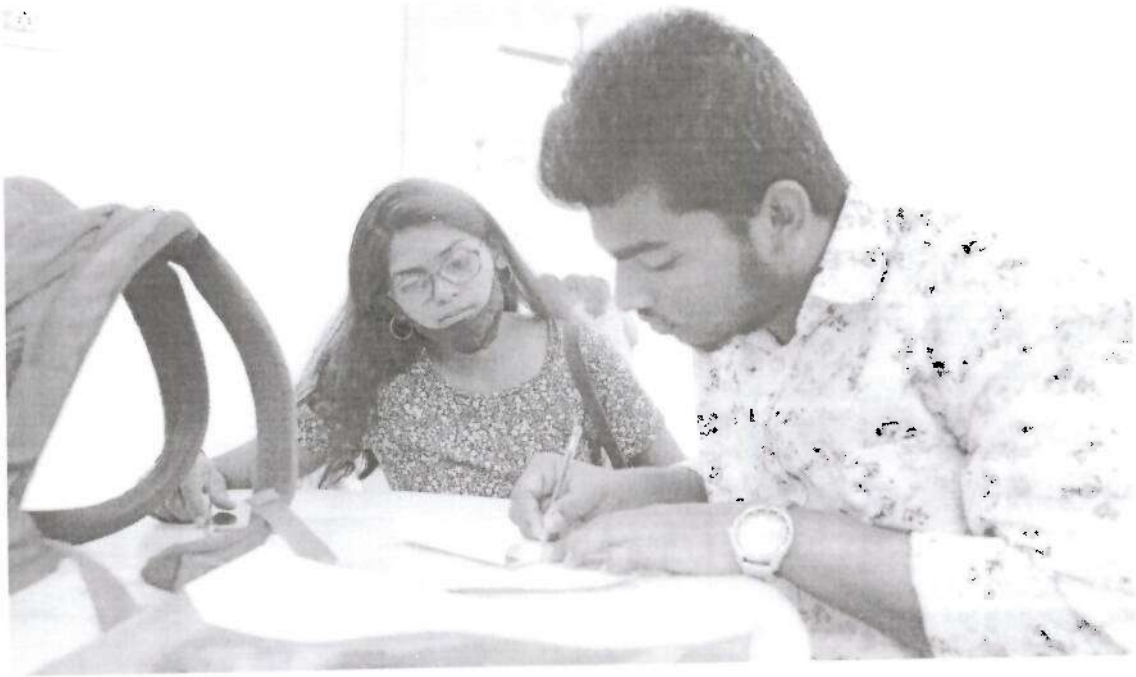
Gandipet, Hyderabad-500 075. Telangana

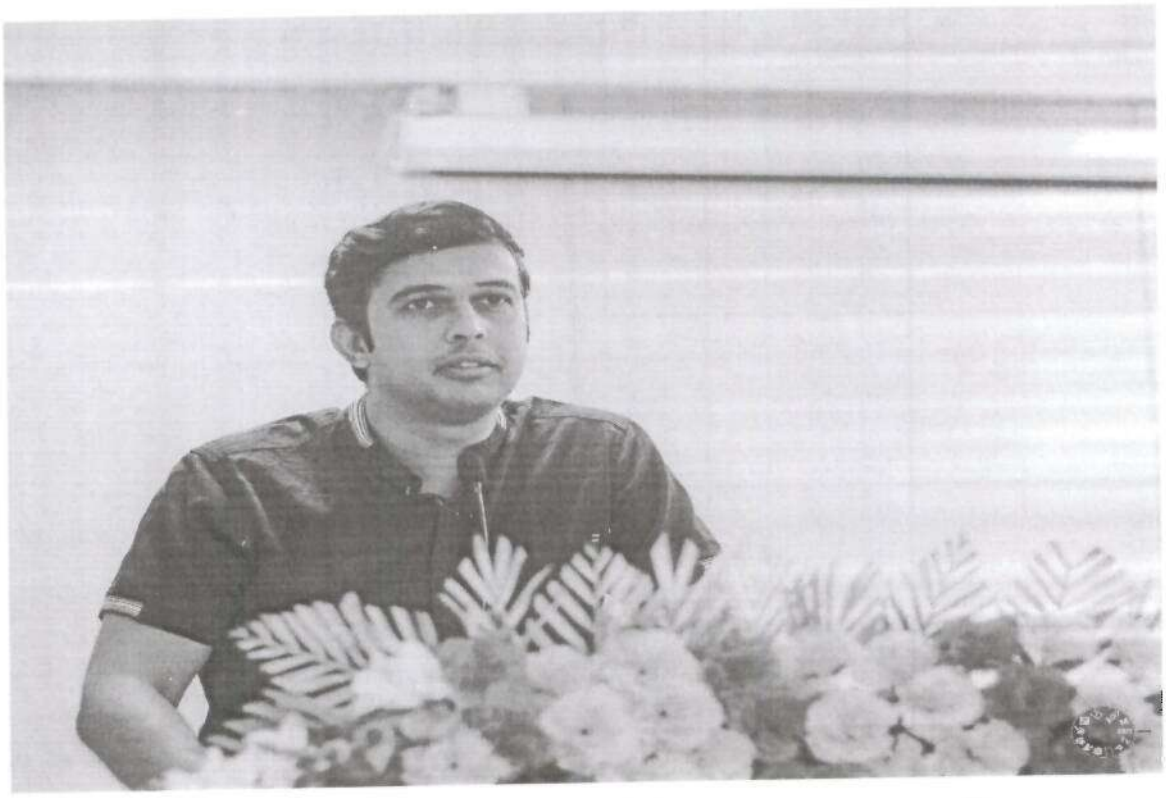
Pitch Perfect Event



Back to Business Event

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

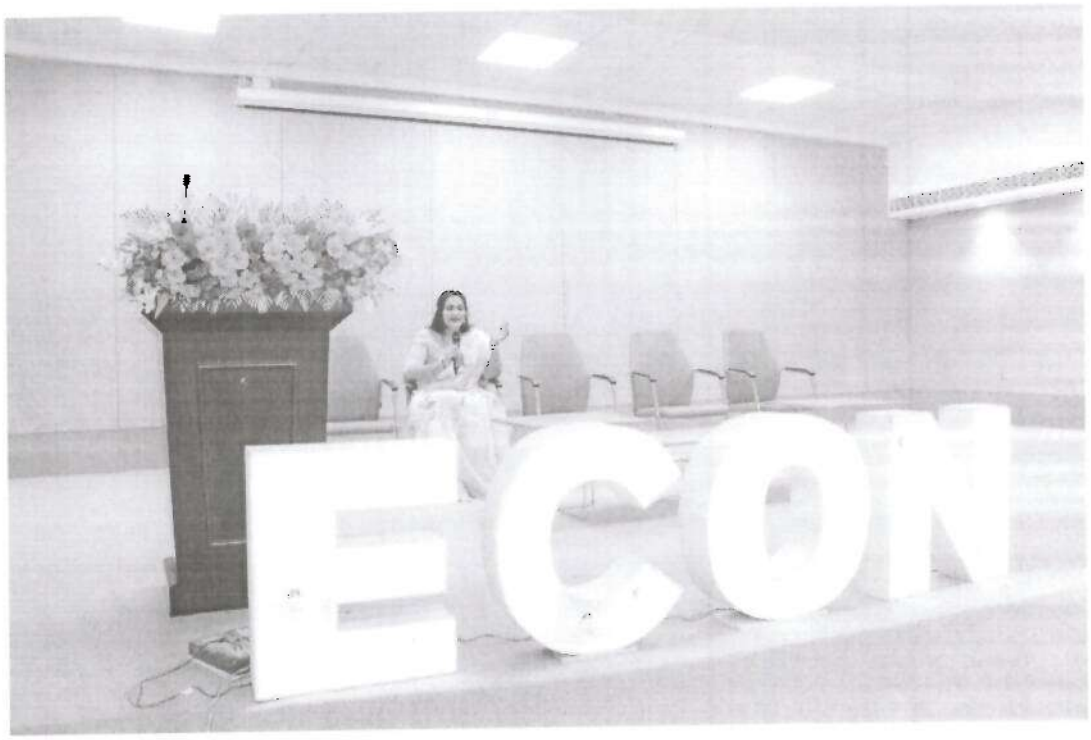
Later, there was a speaker session by Mr. Ravi Kabra, founder, and CEO of Skippi Ice Pops, who received an all-shark deal on Shark Tank India. Mr. Ravi Kabra spoke about his journey and how he founded his company. He spoke about all the technicalities and difficulties he faced during his journey. His speech was the highlight of day 1 since most of the students found it to be very entertaining. Mr. Ravi Kabra also had a Q&A session with the students where the students asked many questions and they were answered very patiently by Mr. Kabra.



Mr. Ravi Kabra

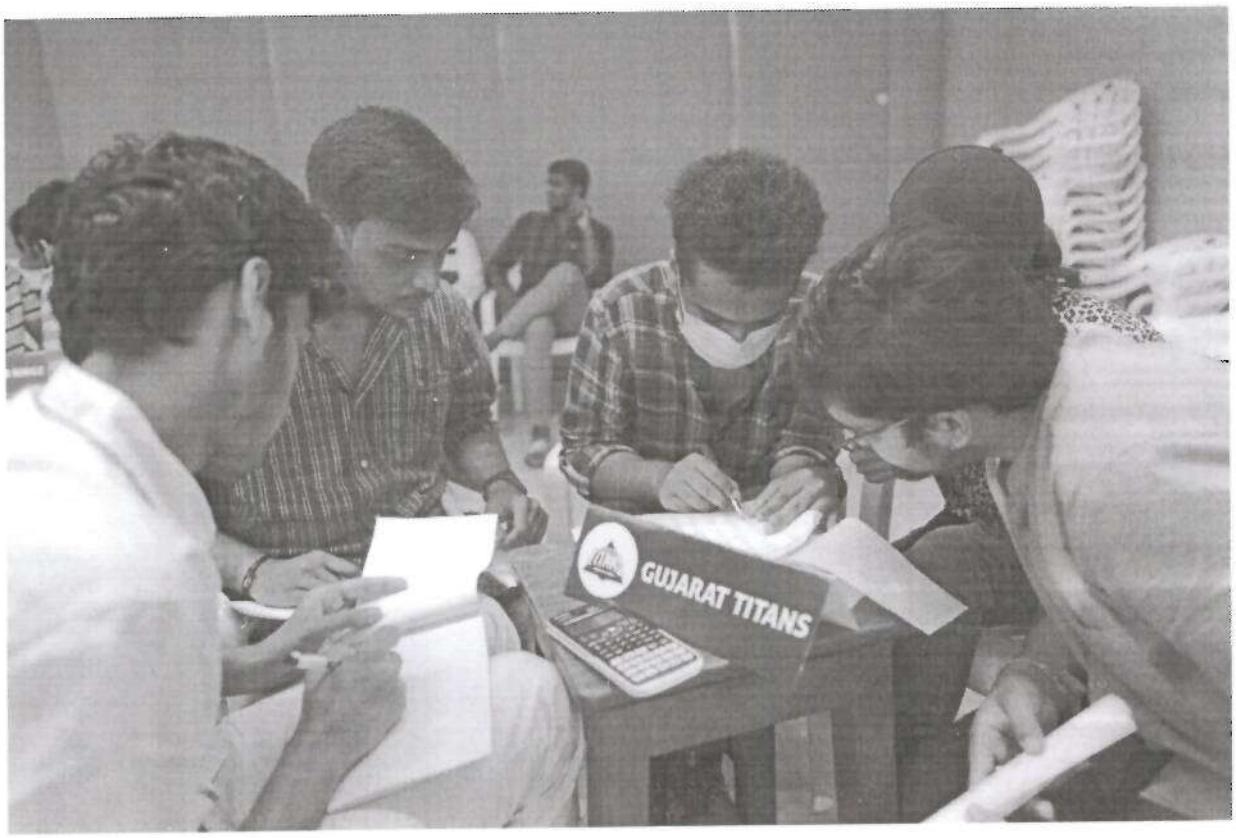
PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

Day 2 started with a speaker session by Mrs. Bhargavi Kunam, in which she spoke about her journey and how she had to convince her father to pursue her passion. Mrs. Bhargavi Kunam also spoke about how consistency and determination can make you successful in your entrepreneurial journey.



Mrs. Bhargavi Kunam

Followed by the speaker session, events like Treasure Hunt and IPL Auction round 2 started. IPL Auction Round 2 started when the participants need to buy players for their respective teams and the team with the highest number of points win the round.



IPL Auction

The day ended with a speaker session by the co-founder of Thickshake factory Mr. Yeshwanth Nag Mocherla. Mr. Mocherla spoke about his journey to make a brand of milkshakes with such high prices at a time when milkshakes were sold for around Rs.50-Rs.60. His speech was very insightful and it helped students understand that it's important to catch a unique point about the market and think work on it.

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Mr. Yeshwanth Nag Mocherla

The event ended with the prize distribution ceremony with Dr. N V Koteshwar Rao sir being the valedictorian. All the prizes for the event winners have been distributed by Dr. N V Koteshwar Rao, Mr. Yeshwanth Nag Mocherla, and Dr. P. Prabhakar Reddy.

Reddy

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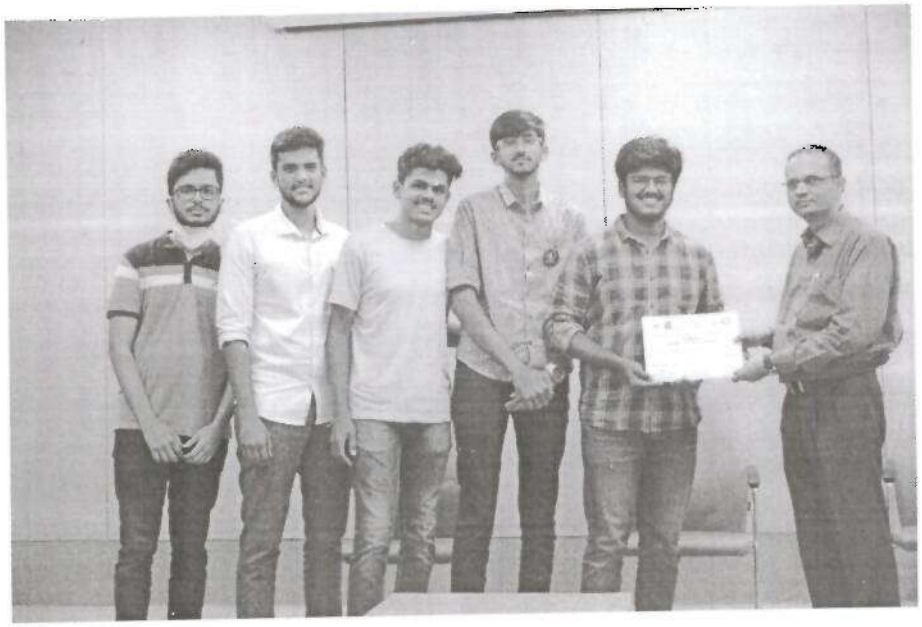

Prize Distribution

TEAM EDC CBIT

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The Entrepreneurial Development Cell of CBIT's annual flagship conclave, E-CON co-sponsored by The Learner's society concluded post the 2-day extravaganza. It is a two-day event that facilitates EDC's goal of imparting and encouraging the entrepreneurial spirit in the student community. The theme of the event this year around is technopreneurship in the digital age and a stellar roster of speakers like Mr. Yeshwanth Nag mocherla, co-founder of Thick Shake Factory and mentor of change for the atal innovation mission, and, Mrs. Deepthi Ravula, who spoke on the importance of exposure and research before jumping into entrepreneurship seriously. She is the CEO of WE Hub and a board member of several academic institutions. Kanthi Dutt, CEO of SustainKart, Ravi and Anuja Kabra, Co-founders of Skippi Ice Pops, Bhargavi Kunam, a prominent Fashion Designer The conclave has seen a footfall of 60 students from various colleges and universities in and around Hyderabad, and upwards of 250 from CBIT. Additionally, the conclave's highlight stands to be the plethora of business-centric events like simulation Pitch Perfect, Back to Business, Biz-quiz, Treasure Hunt sponsored by the learner's society, and IPL Auction, which stood up to its reputation being the flagship event of ECON.

OUTCOMES OF ECON 2022-

- EDC's goal is to impart and encourage the entrepreneurial spirit in the student community was achieved.
- The conclave has seen a footfall of 60 students from various colleges and universities in and around Hyderabad, and upwards of 250 from CBIT.
- Inspiring and thoughtful speaker sessions by established entrepreneurs from various fields.
- Understanding the importance of research before starting your entrepreneurial journey.
- Business-centric events that saw immense participation where participants learnt how to do SWOT Analysis, Pitching ideas and products.

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Participant list FLOW 2022

NAME	COLLEGE	PHONE NUMBER	OLL NUMBER	SECTION	BRANCH
vinay	CBIT	7386897333	160120747059	2	AIDS
rohtih	CBIT	9014921926	160120747045	2	AIDS
Supraja	CBIT	6309849359	160120747018	2	AIDS
rachel	CBIT	9000083734	160120747014	2	AIDS
Kushal rathi	CBIT	8919041640	160120747034	2	AIDS
rithvik	CBIT	7382120099	160120747043	2	AIDS
sadhvik	CBIT	8688055380	160120747046	2	AIDS
samin	CBIT	798118573	160120747047	2	AIDS
varun	CBIT	798118573	160120747051	2	AIDS
trisha reddy	CBIT	8500697699	160120747012	2	AIDS
harshini	CBIT	7995122232	160120747005	2	AIDS
shashank	CBIT	9391723451	160120747023	2	AIDS
Akhil	CBIT	9959857303	160120747023	2	AIDS
Caleb	CBIT	8886167352	160119805042		Biotech
Abdul	CBIT	8247601866	16119805038		Biotech
Sravya	CBIT		160119805029		Biotech
sushma	CBIT	9347683405	160119805032		Biotech
Seshu K	CBIT	6363391193	160119735042	3	Chemical
Dhiraj	CBIT	9949916128	160119735054	3	Chemical
manasvi	CBIT	8309997996	160120749008	2	CIC
pranathi	CBIT	8309997996	160120749010	2	CIC
chandrika	CBIT	8309997996	160120749004	2	CIC
tanya	CBIT	8309997996	160120749019	2	CIC
Krishna Rishi	CBIT	9100700931	160120749033	2	CIC
snighdha	CBIT	7207877936	160120749015		CIC
Anish B	CBIT	8885591479	160118732025	4	Civil
Lohitha	CBIT	9966802008	160121732023	1	Civil
Litheesh	CBIT	7095660609	160121732046	1	Civil
Shashikanth	CBIT	7661003322	160121732023	1	Civil
Nithish A	CBIT	7093309841	160121733025	1	Civil
Guruvendra	CBIT	7732078437	160120732082	2	CIVIL
Srikar	CBIT	9494699000	160120732096	2	Civil
Dhanush	CBIT	8688815118	160120732081	2	Civil
Shrujan	CBIT	7093039978	160120732105	2	Civil
Aditya	CBIT	8897575679	160119732022	3	Civil
Bobby	CBIT	8885526073	160119732025	1	Civil
suhas	CBIT	903074554	160119732054	1	Civil
rohan chitty	CBIT	7093371333	160119732042	1	Civil
vamshi raju	CBIT	9951165844	160119732050	1	Civil
roshan	CBIT	9012720968	160119732043	1	Civil
Pratiksha	CBIT	9866585848	160121733025	1	CSE
Shreya	CBIT	8688344803	160121733162	1	CSE
NVSN Chandra	CBIT	9110755281	160121749049	1	CSE
Vaasuki	CBIT	6301972456	160120733087	2	CSE
Jayesh Dhoot	CBIT	9014102867	160120733101	2	CSE

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Rohit	CBIT	6309334707	160102733107	2	CSE	
Asad	CBIT	7702560306	160120733102	2	CSE	
Bhavana	CBIT	8074457475	160120733001	2	CSE	
Neha	CBIT	9014606623	160120733011	2	CSE	
Snigdha	CBIT	9392856572	160120733305	2	CSE	
Shahbaz	CBIT	9491626157	160120733050	2	CSE	
Shreya M	CBIT	7675992121	160118733018	4	CSE	
Sri Harshith	CBIT	7893321679	160120733054	2	CSE	
Jyothi	CBIT	7330967070	160120733006	2	CSE	
Nikitha	CBIT	9652393313	160120733012	2	CSE	
Lekha	CBIT	8179425446	160120733019	2	CSE	
Sathvika	CBIT	7674013434	160120733014	1	CSE	
Lalasa	CBIT	9014379255	160120733007	2	CSE	
Sai Saketh	CBIT	7989660438	160120733047	2	CSE	
Sai vishal	CBIT	6304012612	160120733048	2	CSE	
Sai Kishore	CBIT	7337070337	160120733044	2	CSE	
Pavan	CBIT	9346542987	160120733035	2	CSE	
Abhiram	CBIT	9491395487	160120733042	2	CSE	
Murrari	CBIT	9949813396	160120733045	1	CSE	
pranav reddy	CBIT	6305569703	160120733037	2	CSE	
pratham	CBIT		160120733038	2	CSE	
ganesh	CBIT		160120733043	2	CSE	
janhvi	CBIT		160120733004	2	CSE	
geevika	CBIT		160120733005	2	CSE	
sathvik yadav	CBIT	9676086644	160120733049	2	CSE	
rishik reddy	CBIT		160120733184	2	CSE	
Abdul khader	CBIT		160120733051	2	CSE	
ameeruddin	CBIT		160120733024	2	CSE	
chetan	CBIT		160120733027	2	CSE	
Roopika Ponn	CBIT	9014635654	160120733077	2	CSE	
Niveditha Red	CBIT	7702214077	160120733074	2	CSE	
Praveena	CBIT	7893965547	160120733013		CSE	
aman	CBIT		160120733023		CSE	
adarsh	CBIT		160120733022		CSE	
dhanush	CBIT		160120733028		CSE	
vishnu	CBIT	8520075903	160120733060		CSE	
Nitin Kumar	CBIT	7330939169	160120733160	2	CSE	
vijay	CBIT		160120733178	2	CSE	
varshika	CBIT		160120733140	2	CSE	
niketh	CBIT		160120733157	2	CSE	
gokul	CBIT		160120733031	2	CSE	
sanvi	CBIT	9849588722	160120733133		CSE	
keerthana	CBIT		160120733130		CSE	
achyut	CBIT		160120733145		CSE	
aakash	CBIT		160120733146		CSE	
aniketh	CBIT		160120733147		CSE	

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Shashank A	CBIT	7330958964	160120735307	2	ECE	
Charan P	CBIT	9390327487	160120735084	2	ECE	
Abhinav Tej G	CBIT	8125357879	160120735079	2	ECE	
Aryan K	CBIT	7995659369	160120735082	2	ECE	
Srikar	CBIT	7671869739	160120737055	2	ECE	
Rithvik	CBIT	9010293300	160120735100	2	ECE	
Ajay	CBIT	9121818027	160120735080	2	ECE	
Rishi	CBIT	8555888691	160120735099	2	ECE	
Rithvik M	CBIT	9398050581	16012073592	2	ECE	
Shreyan	CBIT	9893616456	160120735098	2	ECE	
Devi Sree	CBIT	8897439922	160120735008	2	ECE	
Anshuman Re	CBIT	8008123132	160120735138	2	ECE	
t alekhya	CBIT	6281600771	160120735004	2	ECE	
Hussain Firasa	CBIT	9676896446	160118735019	4	ECE	
Vachan	CBIT	9000435111	160120735046	2	ECE	
Bhoomika	CBIT	7386856340	160120735005	1	ECE	
Akshita	CBIT	7995324449	160120735060	1	ECE	
Joshika	CBIT	6303549913	160120735020	2	ECE	
akshitha	CBIT	7995324449	160120735060	2	ECE	
rishab	CBIT	9398624119	160119735102	3	ECE	
vaishnavi redd	CBIT	8106677066	160118735015	4	ECE	
shreya	CBIT	9652581008	160120735133		ECE	
sindhu	CBIT	9392200914	160120735131		ECE	
anoushka	CBIT	8790755330	160120735121		ECE	
nikhil	CBIT	8106274309	157		ECE	
anirudh	CBIT	8897011526	161		ECE	
anirudh	CBIT	7075312166	160120735116		ECE	
hamsikha	CBIT	8008531302	160120735063		ECE	
saikumar	CBIT	8106109051	160120735105		ECE	
prabhav	CBIT		160120735096		ECE	
indraneel	CBIT		160120735104		ECE	
tharun	CBIT		160120735113		ECE	
sreedatta	CBIT		160120735101		ECE	
S Sai Teja	CBIT	9182016030	160120734111	2	EEE	
y praneeth	CBIT	8309801702	160119734103	3	EEE	
Sneha	CBIT	9381640626	160118734072	4	EEE	
Tarun	CBIT	7893054174	160119734115	3	EEE	
A Vishnu Vardl	CBIT	9346816578	160120734059	2	EEE	
Rajeshwar Ver	CBIT	7702997613	160120734301	2	EEE	
Ch Vishnu Var	CBIT	7093534878	160120734060	2	EEE	
Sagarika M	CBIT	9652621463	160120734017	2	EEE	
Vaishnavi	CBIT		160120734020	2	EEE	
Sreehas	CBIT	8309635941	160120734056		EEE	
Kartikeya D	CBIT	7569959380	160120737153	2	IT	
Kashyap Redd	CBIT	9121979226	160120737154	2	IT	
Sarath k	CBIT	9347928920	160120737167	2	IT	

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Prahas Reddy	CBIT	8639668588	160120733161	2	IT	
Akshay M	CBIT	9505932630	160119734083	3	IT	
K Sai Pranav	CBIT	9393333144	160120737105	2	IT	
N.puneeth Sar	CBIT	7702743792	160121737121	1	IT	
Rajkumar	CBIT	7731877500	160121737135	1	IT	
Saketh Raju	CBIT	8978428789	160119737046	3	IT	
Karthik Reddy	CBIT	7337430250	160119737039	3	IT	
Varun Agarwal	CBIT	7981637841	160120737118	2	IT	
Sai Teja	CBIT	6300835618	160120737050	2	IT	
Karthik T	CBIT	9618546836	160120737035	2	IT	
vineeth	CBIT	8500804963	160120737060	2	IT	
shushank	CBIT	7794046471	160120737056	2	IT	
Sai Venkat	CBIT	9392400916	160120737051	2	IT	
anavi	CBIT	8978729147	160120737121	2	IT	
pranav	CBIT	9100700931	160120737162	2	IT	
arshaan	CBIT	8309997996	160120737028	2	IT	
Gowtham	CBIT	7816002334	160120737038	2	IT	
Trishika	CBIT	9652138804	160120737137	2	IT	
Meghana	CBIT	7569167384	160120737128	2	IT	
Pallavi	CBIT	6281498662	160120737130	2	IT	
Harsha	CBIT	9160269269	160120737150	2	IT	
Shivatmika	CBIT	9392388744	160120737134	2	IT	
Sathwik reddy	CBIT	9949083126	160119737049	3	IT	
Hanoch	CBIT	9704707065	160119737035	3	IT	
Pravillaka	CBIT	8501843244	160119737010	3	IT	
Chirag	CBIT	8897575679	160119737156	3	IT	
sifat	CBIT		160120737174	2	IT	
rithika	CBIT	7702743750	160120737010	2	IT	
Samin	CBIT	7981185773	160120747047	2	IT	
abhinav	CBIT		160120747020	2	IT	
yashwanth	CBIT	9000308444	160120747060	2	IT	
varun	CBIT	8309641412	160120747051	2	IT	
Vaishnavi S	CBIT	9392534405	160120737038	2	IT	
Rahul Pavan	CBIT	7674813649	160121737106		IT	
Srujana	CBIT	8008116499	160119737022		IT	
Sathvik Vadari	CBIT	7093219111	160120737048		IT	
bharghavi	CBIT	8074195929	160120737129		IT	
santhosi	CBIT		160120737133		IT	
sindhu	CBIT		160120737135		IT	
varsha	CBIT		160120737142		IT	
tulasi	CBIT		160120737138		IT	
Kushal	CBIT	9059035281	160120737156	2	IT3	
Koushik	CBIT	8465090909	160120736098	2	MECH	
Havish	CBIT	9701111904	160119736020	3	MECH	
Nikhil	CBIT	8074228697	160119736032	3	MECH	
Shanmukh	CBIT	9390882255	160119736049	3	MECH	

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Vineeth	CBIT	6301170554	160119736058	3	MECH
Harish	CBIT	7032116650	160119736019	3	MECH
Shashi	CBIT	9390584211	160119736025	3	MECH
kaushik	CBIT	7780259279	160119736047	3	MECH
Sathwika	CBIT	9493150904	160119736009	3	MECH
ajith rao	CBIT	7093255038	160119736013		Mech
Satwik	CBIT	9100061779	160120736045	2	MECHANICAL
sai kiran r	CBIT	9121738876	160120736097	2	MECHANICAL
Aryan	CBIT	8639941186	160120736014		Mechanical
Ruthvik	CBIT	7799496669	160120736052		Mechanical
Saketh	CBIT	8106765745	160129736039		Mechanical
Anirudh	CBIT	8374787788	160120736013		Mechanical
Abhi	CBIT	7989173440			
Sai Krishna	CBIT	7893775960			
Divya	CBIT	6303792097	160120735302	2	
Varshitha	CBIT				
Kamaal	CBIT	9618011902			
Vamshi	CBIT	9121722443			
Vardhan	CBIT	8317661850			
Abhishek	CBIT	9347348228			
Udesh	CBIT	9704278918	160120802046	2	Chemical
Layak Ahmed	CBIT	9100264749			
murari	CBIT	7032318799			
rohith	CBIT	7032318799			
suyog	CBIT	7032318799			
sidhu	CBIT	7032318799			
Karthik	CBIT	7032318799			
Navya shri	CBIT	8639030499			
Sathwik S	CBIT	8328398726			
Aravind	CBIT	7330929663			
nandini	CBIT	9949657309			
Ranadheer	CBIT	9330946197			
Varshini	CBIT	9550385113			
Samanth	CBIT	879042151			
Rishabh	CBIT	9393624119			
Ashreya	CBIT	8341802086			
Ganesh	CBIT	7013754077			
DHARMALA SAI	Vasavi	6305763361			
SRIPATHI REDDY	Vasavi				
K BHASKAR NAI	Vasavi	8008246863			
KEERTHANA GU	Vasavi	7981369789			
CHARAN KUMAI	Vasavi	7207206239			
NAMASANI DEE	Vasavi	9959137799			
MANDALA SRI R	Vasavi	6305894419			
Vasista Sai	Vasavi	9493902048			
SAI VINAY BHIM	Vasavi	9989336868			

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MOTHE SIDDHI	Vasavi	6305531837				
Rishika	Vasavi					
Kalluri Sripathi	Vasavi					
D. SAI KOUSHIK	Vasavi					
Ganesh Ganta	Vasavi					
G charan kuma	Vasavi					
MANDALA SRI	Vasavi					
Saketh	Vasavi					
Sai Vinay bhim	Vasavi					
Nandani	Vasavi					
Burra Sreehars	Vasavi					
V. RAMNATH	Vasavi					
Vardhan Adda	Vasavi					
Ashhreet redd	Vasavi					
KUMBAM SAH	Vasavi					
Chaitanya Kris	Vasavi					
Surya	Vasavi					
Nagavarapu K	Vasavi					
R. RITHIN RED	Vasavi					
Likith Gundra	Vasavi					
Shiva	Vasavi					
Pavani Netha	Vasavi					
Nikhil	Vasavi					
Alekhya Ennan	Vasavi					
P. SAI SIDDAR	Vasavi					
Suresh Nitin(3	Vasavi					
Hima Satwika	Vasavi					
paramjeet	CBIT		160120747040			
sohail	CBIT		53			
aquib	CBIT					
affan	CBIT					
faisal	CBIT					
likith	CBIT					
thanish	CBIT					
vamsi	CBIT					
uday	CBIT					
Adarsh	CBIT					
rishab	CBIT					
joshitha	CBIT					
harshitha	CBIT					
abhinav	CBIT	9347234378	160121000000			
sai krishna	CBIT					
tushar	CBIT					
indhu	CBIT					
shreya	CBIT					
sobha	CBIT					

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nithin	CBIT					
dhanush	CBIT					
rupesh	CBIT					
sai dharam	CBIT					
datta tree	CBIT					
Harshith Redd	CBIT					
Sneha	CBIT					
Aditi	CBIT					
Harshita	CBIT					
Hamsita	CBIT					
Shrikar	CBIT					
P Nikitha	CBIT					
Shreya	CBIT					
Kedhar (group	CBIT					
Vijay (group)	CBIT					
Sathwik	CBIT					
Prajwal	CBIT					
Deepak	CBIT					
Amulya	CBIT					
Nitish	CBIT					
Vaishnavi	CBIT					
Jaydeep (grou	CBIT					
Abhishek	IARE					
Keerthana	IARE					

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A Report on

ENTREPRENEURIAL MIND SET FOR PROFESSIONAL SUCCESS

On 10-10-2022

Organised by EDC,IIC-CBIT

Poster

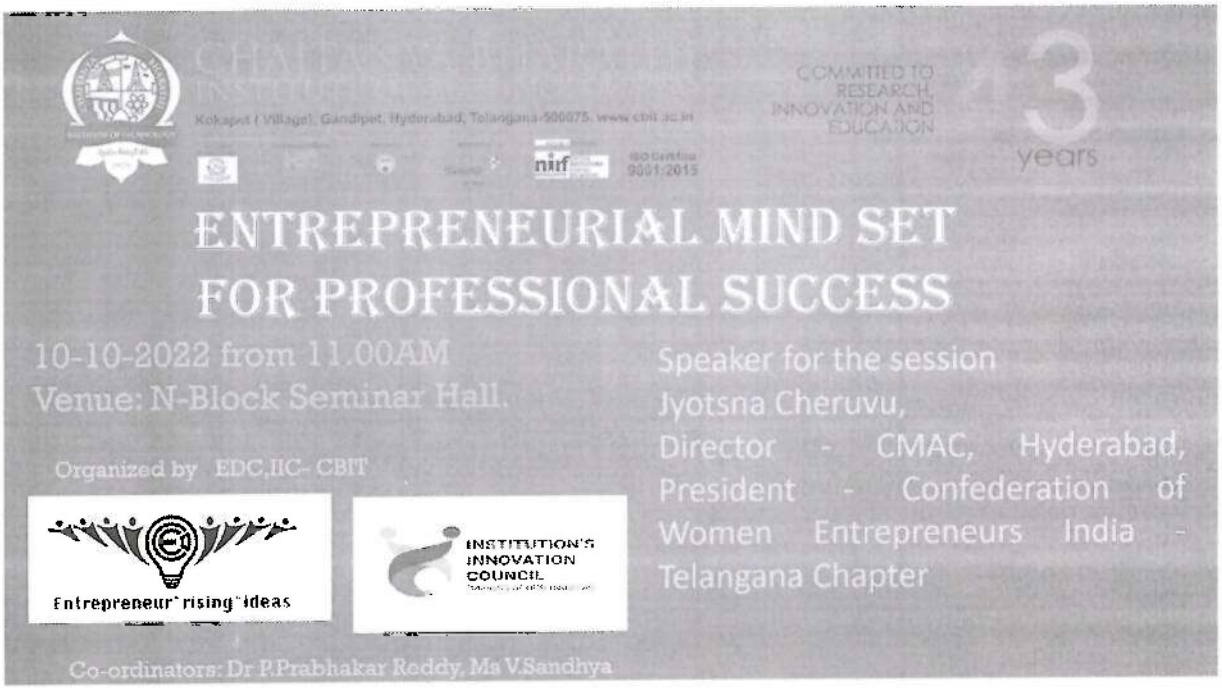

Fig: Poster of ENTREPRENEURIAL MIND SET FOR PROFESSIONAL SUCCESS On 10-10-2022

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Details of the event published in Newspaper

ఆంధ్రప్రభ

సెషన్‌లో పాల్గొన్న ప్రతినిధులు

వ్యవస్థాపకత, నూతన ఆవిష్కరణలో అవకాశాలు అనే అంశంపై సెషన్

మణికొండ, అక్టోబర్ 10 (ప్రభ న్యూస్) : చైతన్య తేజ ఎంటర్‌ప్రెన్యూర్‌షిప్ డెవలప్‌మెంట్ సెల్ ఆధ్వర్యంలో వ్యవస్థాపకత, నూతన ఆవిష్కరణలో అవకాశాలు అనే అంశంపై సెషన్ నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా తెలంగాణ కాన్సెప్ట్ లాంచ్ ఎమెన్ ఎంటర్‌ప్రెన్యూర్స్ ఇండియా ప్రెసిడెంట్ జోత్స్న కెసరి హాజరయ్యారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ.. విద్యార్థుల్లో ఆవిష్కరణ, వ్యవస్థాపక మైండ్ సెట్ ప్రాముఖ్యత పెంచడం తెలుసుకోవాలన్నారు. దేశ ఆర్థిక వ్యవస్థాభివృద్ధికి తోడ్పడేందుకు ఇలాంటి సెషన్‌లు ఎంతో దోహదపడతాయన్నారు. నైపుణ్యాలను ఎలా అభివృద్ధి చేసుకోవాలో నేర్పించడం జరుగుతుందన్నారు. స్టీలు అర్థిరంగాల్లో రాణించాలన్నారు.

మహిళల అభివృద్ధికి రాష్ట్ర ప్రభుత్వం ఎంతో కృషి చేస్తుందన్నారు. తమకు వచ్చే అవకాశాలను సద్వినియోగం చేసుకుంటూ ముందుకు సాగాలని అన్నారు. ఈ కార్యక్రమంలో ప్రొఫెసర్ పి.ప్రభాకర్‌రెడ్డి, వి.సంధ్యారాణి, డాక్టర్ వరలక్ష్మి శాస్త్రి, అధికారులు, సిబ్బంది, విద్యార్థులు తదితరులు పాల్గొన్నారు.

Date: 11/10/2022, Edition: Hyderabad District, Page: 10
Source : https://epaper.prabhanews.com/

Fig:Details of the event published in Newspaper

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Circular

CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

No. 352/CBIT/AEC/2022 Dt. 08-10-2022

CIRCULAR

Chaitanya Teja-Entrepreneurship Development Cell (EDC), CBIT is organizing a speaker session on "Entrepreneurship and Innovation as Career Opportunity" on 10-10-2022 from 11.00AM onwards at N Block Seminar Hall.

The speaker for the session is Mrs. Jyotsna Cheruvu, Director - CMAC, Hyderabad, President - Confederation of Women Entrepreneurs (COWE) India - Telangana Chapter, Alumni of Civil Engineering department, CBIT.

All the interested students and faculty can attend the session. For further information students may contact Dr. P. Prabhakar Reddy, Professor, MED (9885468253) and Ms. V.Sandhya, Assistant Professor, MED (9701540189).

PRINCIPAL

To

All Heads of the Departments / Sections, for circulation among all the concerned students under their control

CC to all the Directors, Joint Directors, Librarian, for information WEC for uploading on the Institute's website

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Fig : Circular of ENTREPRENEURIAL MIND SET FOR PROFESSIONAL SUCCESS On 10-10-2022

Brief Profile of the Speaker

Jyotsna Cheruvu : Founder Director- CMAC India Pvt Ltd

President , COWE –Telangana

A Civil Engineering graduate, MBA in HR and a Behavioural Trainer , Jyotsna has more than 2 decades of experience as an Entrepreneur .

Her company , CMAC India is into manufacturing of vertical material handling Construction equipment used for carrying men and material for high rise constructions like construction lifts, hoists etc with presence Pan India and Middle east.

CMAC is one of its Kind manufacturing unit in entire Telangana under "MAKE IN INDIA" promotion.

Serving more than 300+ top class Infra and manufacturing companies and working with global partners, she had an experiential learning of what it takes to build successful organizations .

She also works closely with China Building research Academy , Beijing in bringing upgraded technology to meet the material handling needs of Indian Construction Industry.

Jyotsna is also associated with Confederation of Women entrepreneurs for last decade holding various management positions.

She is very passionate about promoting entrepreneurship among women and Youth , and is initiator of conducting various workshops and training programs for Entrepreneurship development.

As a guest speaker she interacts with academic institutions in motivating students and also interact with rural women to develop entrepreneur skills as a part of Nation Building activity.

She is awarded the Best Entrepreneur by COWE (Confederation of Women entrepreneurs) for the years 2014 and 2015. And recipient of prestigious VISWA KARMA award for the year 2016

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She is presently on advisory board of Construction Infrastructure Development Council a NITI ayog wing.

Photos

Fig: Speaker Jyothsna during the session

Fig: Participants during the event

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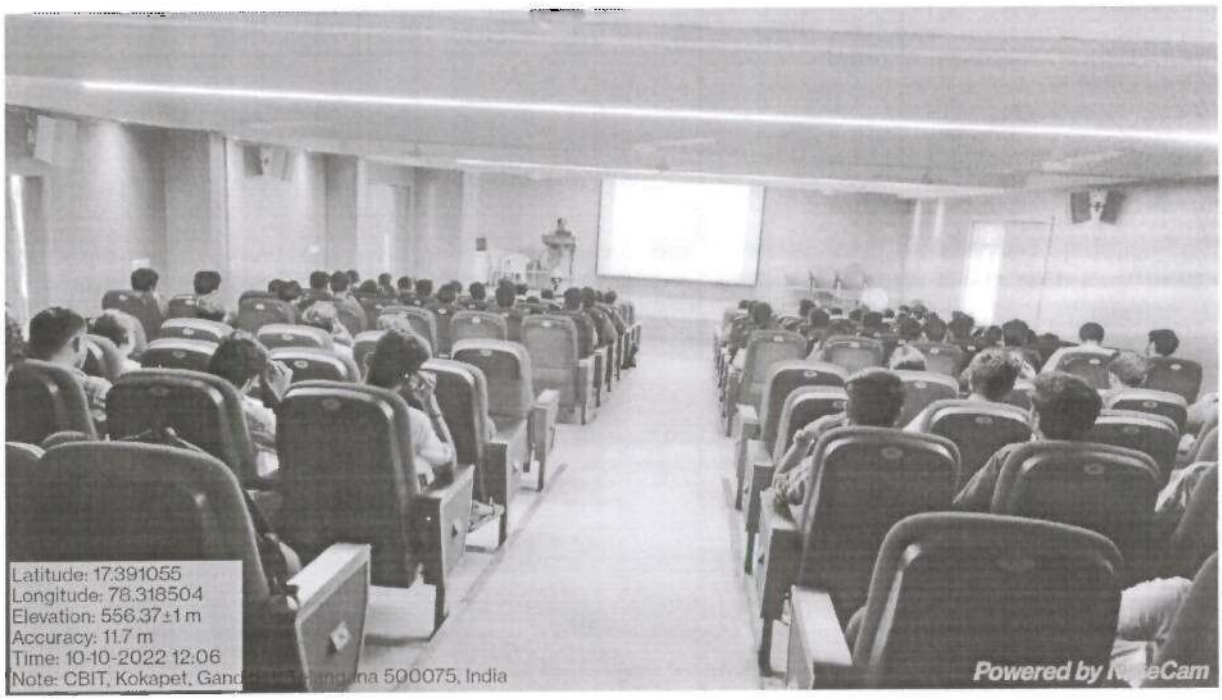

Fig: Participants during the event

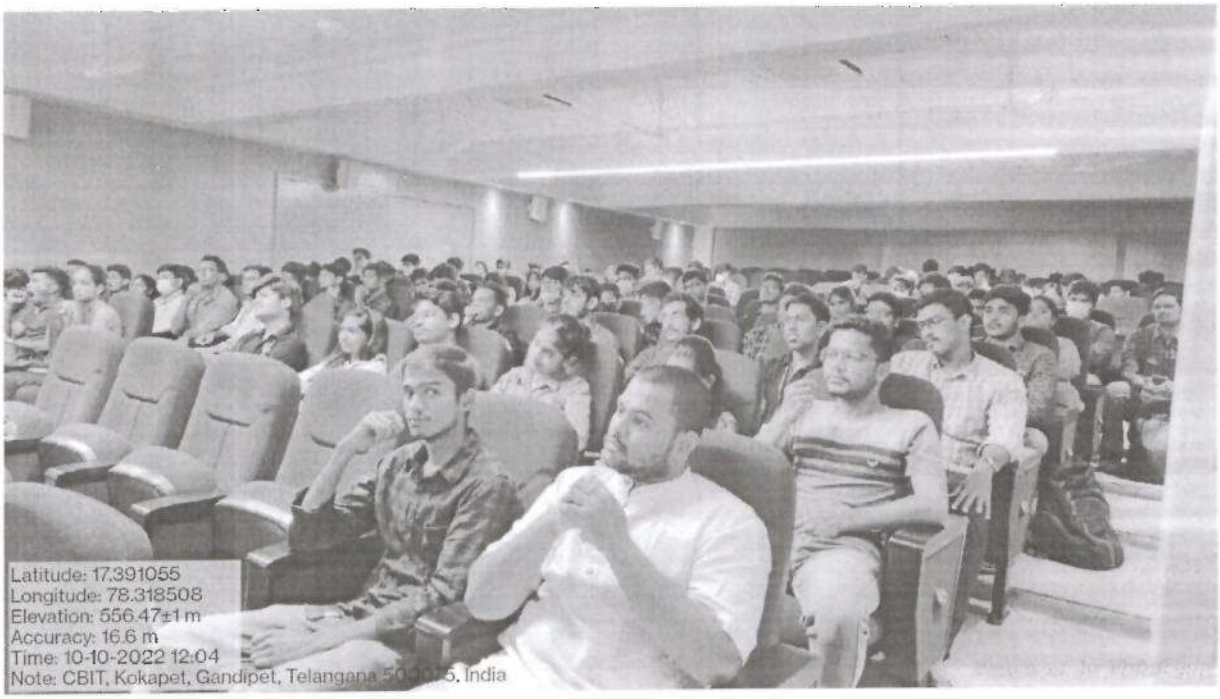

Fig: Participants during the event

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Fig: Participants during the event

Fig: Participants and speaker during the event

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Fig: Speaker during the event

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Fig: Participants during the event

Objective:

1. Develop and strengthen the entrepreneurial spirit among students
2. To identify the role of innovation in the current scenario
3. Know the pros and cons of being an entrepreneur.

Learnings:

1. Increase of awareness and how to practice the skills and disciplines necessary to increase confidence
2. Develop entrepreneurial and innovative mind set
3. To respond positively and effectively to problems in unfamiliar contexts

No. of Students attended -94

No. of faculty attended - 10

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"Entrepreneurship and Innovation as Career Opportunity"

10-10-2022 at N-Block Seminar Hall.

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9.	160120734023	Andrews			
10.	160120734016	Rohitha			
11.	160120734017	Sagarika			
12.	160120734301	Rajeshwar reddy			7702997613
13.	160120734003	Akshaya			
14.	160120734022	A. Akshay			7287078216
15.	160120734038	N. Manoj			6301672221
16.	160120734007	Jaya Sri Tanmayi			
17.	160120734025	Azeez			7032301307
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Title of the Session: Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialisation of Lab Technologies & Tech-Transfer

Speaker Profile: Dr. U.K. Choudhury, Prof. &Diurector(I&I), CBIT

Former Executive Director Corporate R&D and Corporate Technology ,angement, BHEL (38 years of Industrial R&D Experience , 3 years Collaboration and Joint Venture

https://www.linkedin.com/in/dr-umakanta-choudhury-94a89a131/Experience)

Date & Time: 23/02/2023 & 11:00 am

Link: *https://www.linkedin.com/in/dr-umakanta-choudhury-94a89a131/details/skills/?detailScreenTabIndex=0*

Scope: Process of Innovation Development, Technology Readiness Level (TRL); Manufacturing Readiness Level, Investment Readiness Level, Commercialisation of Lab Technologies & Tech-Transfer, product Launch.

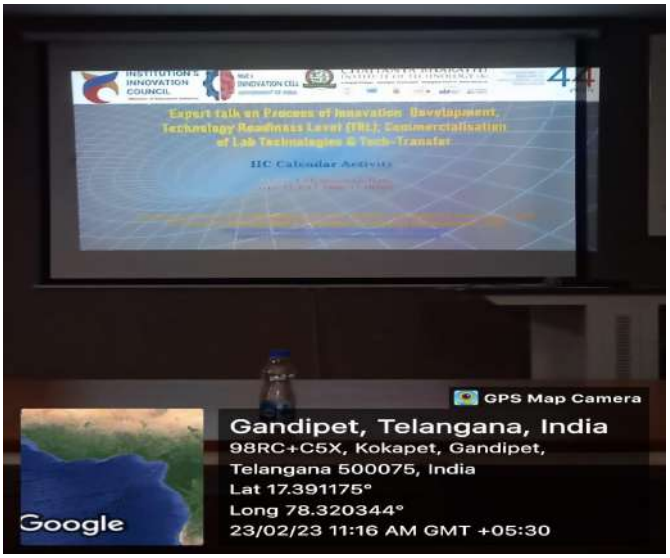
Learning Outcome of the session: Students learned about the Innovation Process , how to manage innovation, product development and their Technology Readiness level, Manufacturing feasibility and technical requirement. Commercialization and Technology transfer for the product developed.

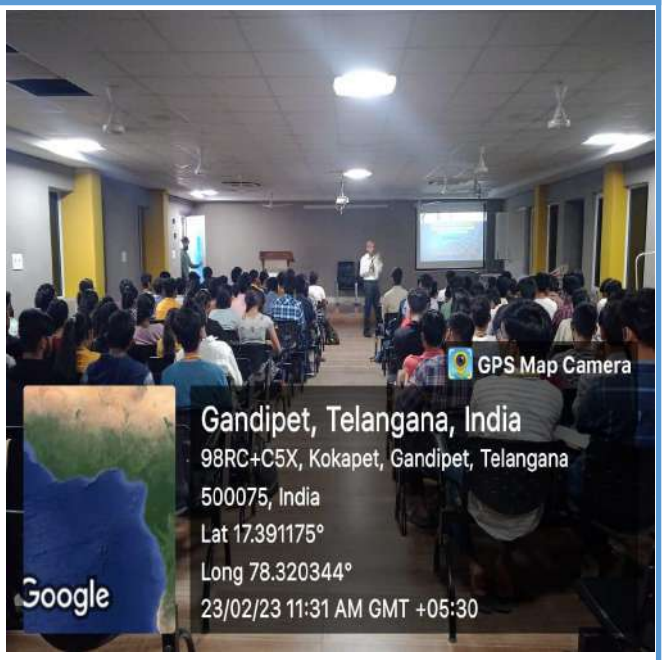
Number of Students Participated: 180

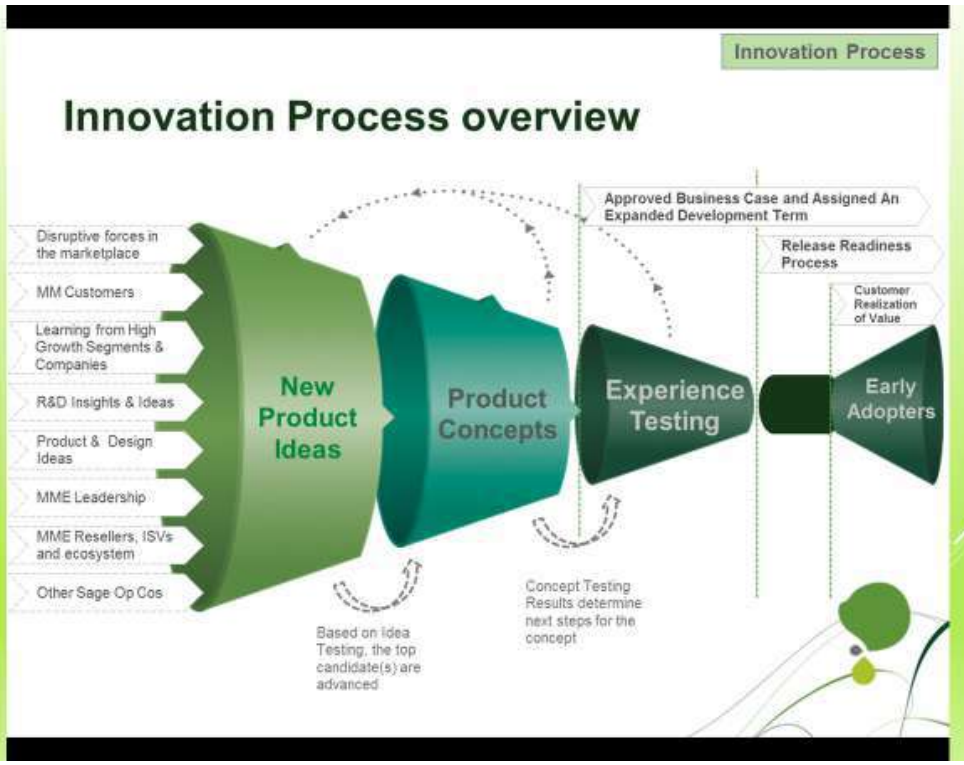
Number of Faculties Participated: 05

Poster:

Photographs of the session:







What are the customer's needs?

Are there any unconscious or unfulfilled needs?

Which customer problems are predominant, and how can they be resolved?

- For instance, after Amazon tested its grocery delivery services in certain Seattle suburbs, it expanded to New York City, San Diego, and Los Angeles.
- For instance, when Amazon tested its grocery delivery service in certain Seattle suburbs.
- After this, Amazon Fresh expanded to Los Angeles, San Diego, and New York City.

Step 3: Solution

- The step 3 aims to develop a worthwhile and ready-to-use solution that can be brought to the market.
- Solutions are developed, prototypes built, and tests carried out.
- In addition to concept and lab tests, the tests also include market tests under real-life conditions to gain firsthand experience and comprehensive feedback.
- Once the solution has reached maturity, it will then be released for implementation: commercialization and marketing.
- At the same time, the concepts for marketing and implementation are further adapted and developed.

Innovation Process Risks & Dangers

The process of innovation is praised for its many advantages which have defined the social and corporate culturessince the time of industrialization.

But, it doesn't come without its dangers and risks as explained below.

1- Innovation Process Technological Failure

The greatest risk a company faces in the innovation Process is whether the concept or product can be successful when it's launched on the market or if it will remain an unproven white elephant.

To reduce this risk the business may conduct tests on a smaller size to assess its efficiency and more efficient testing through launching prototypes.

After the trial is completed and the results are recorded in the product, necessary adjustments can be made to avoid massive losses after the product has been made available for mass production.

2- Financial strain

In many cases, the innovation process faces the issue of draining the resources of the company since the return on investment is usually longer-term, as opposed to instant.

This can lead to the abandonment of the idea or product when it is deemed as not profitable.

However, you must take a look at the anticipated profits and decide whether or not the idea is in line with the long-term objectives of the company.

Step 4: Commercialization and marketing

- The commercialization step develops market value for an idea, product, or service by focusing on its impact. An important aspect of this step is establishing the given idea, product, or service specifications.
- The commercialization stage involves bringing the product to potential customers. It also requires the physical availability of the product by the manufacturers.
- These include mass production, procurement, and logistics based on defined concepts.

Step 5: Diffusion and Implementation

- Diffusion is the spread and acceptance of a company's innovative idea.
- The diffusion and implementation step allows the organization to determine the next set of customer needs, Benchmarks, indicators for success metrics, and receiving feedback enables the organization to stimulate the innovation process.

Definition

- Commercialization is defined as the process of making a product or service available for sale. Commercialization entails production, marketing, and distribution.
- Commercialization generally starts with the development of a new product or service.

What is technology transfer?

Technology transfer (TT) is a collaborative process that allows scientific findings, knowledge and intellectual property to flow from creators, such as universities and research institutions, to public and private users.
Its goal is to transform inventions and scientific outcomes into new products and services that benefit society.
Technology transfer is closely related to knowledge transfer.