

Chaitanya Bharathi Institute of Technology

DEPARTMENT OF BIOTECHNOLOGY 1.3.4 INDEX

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Department of Biotechnology			
FINAL YEAR PROJECTS LIST OF 2019-2023 BATCH (AY 2022-23)			
S.NO	Roll.NO	Name	Page No.
1	160118805004	DEDEEPIYA ADICHERLA	16-43
2	160119805001	AISHWARYA C V S	16-43
3	160119805002	ADAVALLI AMULYA	16-43
4	160119805003	ANUSHKA BERA	16-43
5	160119805004	T BHAVYA	16-43
6	160119805005	ANDELA CHIKITHA	16-43
7	160119805006	MEGAVATH DEEKSHITHA	16-43
8	160119805008	DONGA KAVYA	16-43
9	160119805009	JANARDHAN KEERTHI	16-43
10	160119805010	MUNDRU KRUSHE	16-43
11	160119805011	MEKALA LAHARI	16-43
12	160119805012	PYLA MAHITHA	16-43
13	160119805013	GAVINI MANISHA REDDY	16-43
14	160119805014	BELLAPURLA MARY KAREN	16-43
15	160119805016	DUGGI REDDY NAVYA SREE	16-43
16	160119805017	SHEKKAR RAVALIKA	16-43
17	160119805018	RISHIVIKA SHRUTHI V	16-43
18	160119805019	V ROHINI REDDY	16-43
19	160119805020	RASALA RUTHIKA	16-43
20	160119805021	M SAI SAHITHI	16-43
21	160119805022	C SAMHITHA	16-43

22	160119805023	SANJANA KANKIPATI	16-43
23	160119805024	K V S SN MOUNIKA	16-43
24	160119805025	SHAIK NOUSHEEN	16-43
25	160119805026	HAZARI SHIVANI	16-43
26	160119805027	SHIVANMITHA GUDIPATI	16-43
27	160119805029	SRAVYA KUNAPARAJU	16-43
28	160119805030	SRI HARSHINI KOTHAMASU	16-43
29	160119805031	SOMPURAM SRUTHI REDDY	16-43
30	160119805032	SUSHMA EUNICE REKALA	16-43
31	160119805033	MOKKAPATI VAISHNAVI	16-43
32	160119805034	PUNNA VAISHNAVI	16-43
33	160119805035	BIRRE VAMSHI PRIYA	16-43
34	160119805036	VARSHINI UPPUTERLA	16-43
35	160119805037	GOLTHI VENIYA	16-43
36	160119805038	ABDUL MUQEETH	16-43
37	160119805039	KANSOTH ABHISHEK NAIK	16-43
38	160119805040	THAMMANABOINA AVINASH	16-43
39	160119805041	BHANU SHANKAR D	16-43
40	160119805042	J CALEB JOEL RAJ	16-43
41	160119805045	GOLLAMONI DILIP KUMAR	16-43
42	160119805046	G JEREMIAH PAUL	16-43
43	160119805047	N LIKHIT SAI PHANI CHOWDARY	16-43
44	160119805049	KARNAM MUKTANANDA	16-43
45	160119805050	BALAM PRASHANTH KUMAR	16-43
46	160119805051	VARDINENI RITHWIK	16-43
47	160119805052	B SAI PHANIRAJU	16-43
48	160119805053	ALLUM SAI RAM	16-43
49	160119805054	NELANTI SANTHOSH KUMAR	16-43
50	160119805055	M. SATYA NARAYANA REDDY	16-43

51	160119805056	CHENNA SUMEET	16-43
52	160119805057	BANOTHU VEERABHADRAM	16-43
53	160119805058	MALAVATHU VENKATESHH	16-43
54	160119805059	DURAIRAJAN YASHIR	16-43
55	160119805060	BATHULA SAHITHI	16-43

Biotechnology List of Students : Industrial visit 2022-23			
S.No	Roll no	Name	Page no
1	Adithi Reddi K.	160120805001	44-72
2	kulkarniaishwarya	160120805002	44-72
3	Alwina.G	160120805003	44-72
4	B.Mounika	160120805005	44-72
5	Bodika Shynisha	160120805006	44-72
6	Chaitra Gali	160120805007	44-72
7	Chunduru Sai Hari Hara Sudheshna	160120805008	44-72
8	Divya Prema Suroju	160120805009	44-72
9	shaik fouzia rafath	160120805010	44-72
10	Hamsini Katla	160120805012	44-72
11	Jyothika Meenakshi Kambhampati	160120805013	44-72
12	Kolluru Naga Venkata Sujatha	160120805016	44-72
13	Neha Reddy Marapalli	160120805017	44-72
14	Balla Reena Pravallika	160120805018	44-72
15	Valluru Saileela Sirisha	160120805019	44-72
16	Sai Shriya Y	160120805020	44-72
17	Sanjana Reddy	160120805021	44-72
18	Sathvika kuruvella	160120805022	44-72
19	Sharvani Pokala	160120805023	44-72
20	Shivani Reddy Kappati	160120805024	44-72
21	Shreenija Peri	160120805026	44-72
22	Banalla Shreya	160120805027	44-72

23	Shriya Reddy Patlolla	160120805028	44-72
24	Soumya Mandala	160120805031	44-72
25	Spoorthi sada	160120805032	44-72
26	Neelam Sravani	160120805033	44-72
27	V Sri Varsha	160120805034	44-72
28	Tanmayi Boreda	160120805035	44-72
29	Syeda Umamah Fatima	160120805036	44-72
30	V Shreya Sharma	160120805037	44-72
31	Lakavath vennela	160120805038	44-72
32	Gaddam Akash	160120805039	44-72
33	Alloju Abhishek	160120805040	44-72
34	Aniruddha Sreeram Bobbili	160120805041	44-72
35	R.Ashish raj	160120805042	44-72
36	Badhe. Nitin Ratnam	160120805043	44-72
37	Balaji Doolam	160120805044	44-72
38	T.Bhanu Prakash	160120805045	44-72
39	Divyamshu Surabhi	160120805048	44-72
40	TADISETTI GOURAV	160120805049	44-72
41	Pole Harish	160120805050	44-72
42	K.chetan Babu	160120805052	44-72
43	K.chetan Babu	160120805052	44-72
44	M Vikki Kumar	160120805053	44-72
45	N Rakesh Reddy	160120805055	44-72
46	K Sai Chandra varna	160120805056	44-72
47	Sai Prathibh	160120805057	44-72
48	Samanth Chinthakindhi	160120805058	44-72
49	K Yashasvi	160120805060	44-72
50	Alekhya Pasumarthy	160121805001	44-72
51	Amatul Rahman Khadija	160121805002	44-72
52	Ananya Surabhi	160121805003	44-72
53	Anshika Gupta	160121805004	44-72

54	Ashrita	160121805005	44-72
55	G. Priyanka	160121805012	44-72
56	Golla.Vasanthi	160121805013	44-72
57	Grace Hepsibah Gotte	160121805014	44-72
58	J.Kavya sri	160121805016	44-72
59	Kammari Harshitha	160121805019	44-72
60	Madikunta Divyasree	160121805025	44-72
61	aishwarya madu	160121805026	44-72
62	Mahima Kalyanam	160121805027	44-72
63	M.Rashmi	160121805028	44-72
64	MUKKA JAHNAVI	160121805029	44-72
65	Muskan	160121805030	44-72
66	Nidhi Bhide	160121805032	44-72
67	Remalla priyanka	160121805037	44-72
68	Roshini Perumal	160121805038	44-72
69	Rashmitha Thogari	160121805041	44-72
70	Vaishnavi Reddy G	160121805042	44-72
71	Vempati Vaidehi Pravallika	160121805043	44-72
72	Vuyyuru Hasanthi	160121805045	44-72
73	Advaith Roy	160121805047	44-72
74	Dhruv Tadikonda	160121805048	44-72
75	Pramodkumar	160121805049	44-72
76	GILKAPALLY KOUSHIK	160121805050	44-72
77	G Sai Prashanth	160121805052	44-72
78	Hanok Aditya K	160121805053	44-72
79	Kandimala Venkat Keerthan	160121805054	44-72
80	MANIKONDA RAHUL	160121805056	44-72
81	Shumayl sami	160121805062	44-72
82	SYED ZUBER ALI	160121805063	44-72
83	Toganti kranthi	160121805064	44-72
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S.NO	Name	Roll no	73-164

1	Alekhya Pasumarthy	160121805001	73-164
2	Amatul Rahman Khadija	160121805002	73-164
3	Ananya Surabhi	160121805003	73-164
4	Anshika Gupta	160121805004	73-164
5	Ashrita	160121805005	73-164
6	G. Priyanka	160121805012	73-164
7	Golla.Vasanthi	160121805013	73-164
8	Grace Hepsibah Gotte	160121805014	73-164
9	J.Kavya sri	160121805016	73-164
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13	Mahima Kalyanam	160121805027	73-164
14	M.Rashmi	160121805028	73-164
15	MUKKA JAHNAVI	160121805029	73-164
16	Muskan	160121805030	73-164
17	Nidhi Bhide	160121805032	73-164
18	Remalla priyanka	160121805037	73-164
19	Roshini Perumal	160121805038	73-164
20	Rashmitha Thogari	160121805041	73-164
21	Vaishnavi Reddy G	160121805042	73-164
22	Vempati Vaidehi Pravallika	160121805043	73-164
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24	Advaith Roy	160121805047	73-164
25	Dhruv Tadikonda	160121805048	73-164
26	Pramodkumar	160121805049	73-164
27	GILKAPALLY KOUSHIK	160121805050	73-164
28	G Sai Prashanth	160121805052	73-164
29	Hanok Aditya K	160121805053	73-164

30	Kandimala Venkat Keerthan	160121805054	73-164
31	MANIKONDA RAHUL	160121805056	73-164
32	Shumayl sami	160121805062	73-164
33	SYED ZUBER ALI	160121805063	73-164
34	Toganti kranthi	160121805064	73-164
35	Adithi Reddi K.	160120805001	73-164
36	kulkarniaishwarya	160120805002	73-164
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43	shaik fouzia rafath	160120805010	73-164
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56	Banalla Shreya	160120805027	73-164
57	Shriya Reddy Patlolla	160120805028	73-164

58	Soumya Mandala	160120805031	73-164
59	Spoorthi sada	160120805032	73-164
60	Neelam Sravani	160120805033	73-164
61	V Sri Varsha	160120805034	73-164
62	Tanmayi Boreda	160120805035	73-164
63	Syeda Umamah Fatima	160120805036	73-164
64	V Shreya Sharma	160120805037	73-164
65	Lakavath vennela	160120805038	73-164
66	Gaddam Akash	160120805039	73-164
67	Alloju Abhishek	160120805040	73-164
68	Aniruddha Sreeram Bobbili	160120805041	73-164
69	R.Ashish raj	160120805042	73-164
70	Badhe. Nitin Ratnam	160120805043	73-164
71	Balaji Doolam	160120805044	73-164
72	T.Bhanu Prakash	160120805045	73-164
73	Divyamshu Surabhi	160120805048	73-164
74	TADISETTI GOURAV	160120805049	73-164
75	Pole Harish	160120805050	73-164
76	K.chetan Babu	160120805052	73-164
77	M Vikki Kumar	160120805053	73-164
78	N Rakesh Reddy	160120805055	73-164
79	K Sai Chandra varna	160120805056	73-164
80	Sai Prathibh	160120805057	73-164
81	Samanth Chinthakindhi	160120805058	73-164
82	K Yashasvi	160120805060	73-164
83	Bhavya Thanda	160119805004	73-164
84	M.Deekshitha	160119805006	73-164
85	Kavya donga	160119805008	73-164
86	M.Lahari	160119805011	73-164

87	Mahitha pyla	160119805012	73-164
88	Manishareddy gavini	160119805013	73-164
89	Shekhar Ravalika	160119805017	73-164
90	M. Sai Sahithi	160119805021	73-164
91	Samhitha Cheruku	160119805022	73-164
92	SANJANA KANKIPATI	160119805023	73-164
93	Hazari shivani	160119805026	73-164
94	Shivanmitha Gudipati	160119805027	73-164
95	Vaishnavi Mokkapati	160119805033	73-164
96	Varshini Upputerla	160119805036	73-164

Community engagement -Isem 2022-2026 BATCH			
SL. NO	REG NO	NAME	Page no
1.	160122805001	ADEPU SRIHITA .	165-177
2.	160122805002	ANANYA SUMA KONDA .	165-177
3.	160122805003	AREEBAH MAZHER .	165-177
4.	160122805004	BESUPALLI KAVYA SREE .	165-177
5.	160122805005	BHAVANA PULIVARTHI .	165-177
6.	160122805006	BURRA SUSHMA .	165-177
7.	160122805007	CHELEMALA KATYAYANI .	165-177
8.	160122805008	DHRUTI DOUNDE .	165-177
9.	160122805009	G MALAVIKA MALLESHWARI	165-177
10.	160122805010	HADIYA KAUKAB .	165-177
11.	160122805011	HARSHITHA VALAPA .	165-177
12.	160122805012	ISHITA PRASAD .	165-177
13.	160122805013	JAGIRAYALA SHRUTILAYA .	165-177
14.	160122805014	JANGAM KESAVA SREE .	165-177
15.	160122805015	K M SWATHI .	165-177
16.	160122805016	K SHIVATHMIKA REDDY .	165-177
17.	160122805017	K SREE SAAHITTHI REDDY .	165-177
18.	160122805018	DASARI BHOOMIKA .	165-177

19.	160122805019	KOMMERA AKSHAYA .	165-177
20.	160122805020	L VARSHITHA .	165-177
21.	160122805021	LAYA VINUKONDA .	165-177
22.	160122805022	MEHVISH FATIMA .	165-177
23.	160122805023	MOHAMMAD MUSKAN .	165-177
24.	160122805024	N SATVIKA .	165-177
25.	160122805025	NITTURI TRIPURA .	165-177
26.	160122805026	PALAKODETI SREYA .	165-177
27.	160122805027	PENCHALA DISHA .	165-177
28.	160122805028	PERUGU BHAVANA .	165-177
29.	160122805029	POGADADANDA SUPRAJA .	165-177
30.	160122805030	SAMHITHA REDDY C .	165-177
31.	160122805032	SATVIKI MAYA .	165-177
32.	160122805033	SHRIA DYUTHI RYALI .	165-177
33.	160122805034	SHRUTI DAS MOHAPATRA .	165-177
34.	160122805035	SMITHANYA GADEELA .	165-177
35.	160122805036	SYEDA FATIMA HASAN .	165-177
36.	160122805037	THIRUMALA REDDY LAASYA SRI	165-177
37.	160122805038	THAMMANA SOUJANYA .	165-177
38.	160122805039	THOLUPUNOORI VARSHINI .	165-177
39.	160122805040	VELTUR SAI NIKHITHA .	165-177
40.	160122805041	VENKATA SAI NIKITHA TEKU .	165-177
41.	160122805042	VINJRAVATH ANUSHA .	165-177
42.	160122805043	YANAMALA SWARNA MANJARI .	165-177
43.	160122805044	AMOGH ANIL BELLURKAR .	165-177
44.	160122805045	BASIKE BHARATH .	165-177
45.	160122805046	BOMMERA RAVIKUMAR .	165-177
46.	160122805047	CHATURVEDULA P PRANEETH .	165-177
47.	160122805048	CHIGURU PRADEEP KUMAR .	165-177
48.	160122805049	DAMA VINAYAK SNEHIT .	165-177
49.	160122805050	H KUNAL KUMAR .	165-177

50.	160122805051	K ADITHYA SRILAN .	165-177
51.	160122805052	KVATHAN KRISHNA REDDY .	165-177
52.	160122805053	KORRA CHARAN NAIK .	165-177
53.	160122805054	KURELLA SAITEJAS .	165-177
54.	160122805055	JOSEPH ASISH .	165-177
55.	160122805056	MUTHYALA SRIKANTH .	165-177
56.	160122805057	PATTEM RAJKUMAR .	165-177
57.	160122805058	PISHATI RITHIK REDDY .	165-177
58.	160122805059	SALKAPURAM JOHN WESLY .	165-177
59.	160122805060	TANMAY DACHA .	165-177
60.	160122805062	T VENKATA SAI KARTHIK .	165-177
61.	160122805063	ZUBAIR SHAIK HUSSAIN .	165-177


Head of Department
(Dr. Rajaraj Vaidyanathan)

**1.3.4 Proof of B.Tech Biotechnology
students undertaking Projects for the
academic Year (2022-23)**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD**DEPARTMENT OF BIOTECHNOLOGY****PROJECT PART II (18BTC32)- VIII Semester (AY 2022-2023)****List of projects (2019-2023 Batch)**

Sl No	Roll No	Student Name	Thesis Title	Project Specializ ation Area	INTERNAL GUIDE
1	1601-19-805-029	SRAVYA KUNAPARAJU	Evaluating the antimicrobial properties of Algal polysaccharides and their applications	Algal Biotechnology and Medical Biotechnology	Dr Y. Rajasri
	1601-19-805-042	CALEB JOEL RAJ J			
	1601-19-805-003	ANUSHKA BERA			
2	1601-19-805-046	JEREMIAH PAUL GORREMUCHU	Metagenomic analysis of human gut microbiome for antimicrobial resistance genes in Indian population	Medical Biotechnology and Bioinformatics	Dr Y. Rajasri
3	1601-19-805-021	SAI SAHITHI M	Characterization of citric acid crosslinked carbopol-940 based hydrofilms for wound healing applications	Medical Biotechnology and Bioproduct development	Dr C. Obula Reddy
	1601-19-805-022	SAMHITHA C			
4	1601-19-805-006	DEEKSHITHA MEGAVATH	Extraction of therapeutic agents from plant resources for the treatment of Seborrheic dermatitis	Plant Biotechnology and Medical Biotechnology	Dr C. Obula Reddy
	1601-19-805-018	RISHIVIKA SHRUTHI VANKADARA			
	1601-19-805-036	VARSHINI UPPUTERLA			
5	1601-19-805-047	LIKHIT SAI PHANI CHOWDARY N	Enhancement of secondary metabolites by polymeric nanoparticles in Bacopa monnieri-A medicinal herb	Plant Biotechnology	Dr V. Aruna
6	1601-19-805-057	VEERABHADRAM BANOTHU	Estimation of PGPR activities on chilli (Capsicum Annum L.) with special reference to three Bacillus Spp	Agricultural Biotechnology	Dr V. Aruna
7	1601-19-805-054	SANTHOSH KUMAR NELANTI	Molecular docking in modern drug discovery principle and application	Bioinformatics	Dr V. Aruna
8	1601-19-805-041	BHANU SHANKAR DHULIPALLA	Integrative bioinformatic analysis to identify microRNA based biomarkers and therapeutics for the treatment of glioblastoma	Medical Biotechnology and Bioinformatics	Dr V. Aruna

9	1601-19-805-011	LAHARI MEKALA	Synthesis and characterization of CMC based hydrogels as potential water retaining and nutrient releasing agent in agriculture	Agricultural Biotechnology and Bioproduct Development	Dr G. Vijaya Laxmi
	1601-19-805-032	SUSHMA EUNICE REKALA			
	1601-19-805-049	MUKTANANDA KARNAM			
10	1601-19-805-037	VENIYA GOLTHI	Studies on optimizing cost-effective protocol for invitro propagation of Muehlenbeckia platyclada- A rare medicinal plant	Plant Biotechnology	Dr G. Vijaya Laxmi
	1601-19-805-050	PRASHANTH KUMAR BALAM			
	1601-19-805-055	SATYANARAYANA REDDY MARUDI			
11	1601-19-805-019	ROHINI REDDY VENKANNAGARI	Biodegradation of textile effluent and influence of treated effluent on plant growth	Environmental Biotechnology	Dr S. Sumithra
	1601-19-805-020	RUTHIKA RASALA			
	1601-19-805-034	VAISHNAVI PUNNA			
12	1601-19-805-002	AMULYA ADAVALLI	Age related heart complications in obesity	Medical Biotechnology	Dr S. Sumithra
13	1601-19-805-052	SAI PHANIRAJU BRAHMANDABHERI	Formulation and evaluation of transdermal patches of Atorvastatin calcium	Medical Biotechnology	Dr S. Sumithra
14	1601-19-805-008	KAVYA DONGA	Development of nano-emulsionsystem for food preservation	Nanobiotechnology and Food Biotechnology	Dr Bishwambhar Mishra
	1601-19-805-027	SHIVANMITHA GUDIPATI			
	1601-19-805-060	SAHITHI BATHULA			
15	1601-19-805-013	MANISHA REDDY GAVINI	Decolorization of Gutka stains by using selected microorganisms	Environmental Biotechnology	Dr Bishwambhar Mishra
	1601-19-805-031	SRUTHI R SOMPURAM			
16	1601-19-805-026	SHIVANI HAZARI	Optimization of carboxymethyl cellulose based hydrogel for efficient adsorption of methylene blue dye	Environmental Biotechnology and Bioproduct development	Dr C. Nagendranatha Reddy, Dr Dharmalingam and Dr Y.Rajasri
	1601-19-805-056	SUMEET CHENNA			
17	1601-19-805-004	BHAVYA T	Isolation of microbial rennet enzyme and bromelain enzyme and its purification, characterization and comparison for cheese production	Enzyme technology and Food Biotechnology	Dr Sanjeeb Kumar Mandal
	1601-19-805-005	CHIKITHA ANDELA			
	1601-19-805-025	SHAIK NOUSHEEN			
18	1601-19-805-016	NAVYA SREE DUGGI REDDY	Experimental research on the development of sodium hyaluronic acid patch using microneedle technology	Medical Biotechnology	Dr Sanjeeb Kumar Mandal
	1601-19-805-030	SRI HARSHINI KOTHAMASU			
19	1601-19-805-012	MAHITHA PYLA	Licorice infused cellulose based hydrogel films containing aroma compounds for potential application of wound healing	Medical Biotechnology and Bioproduct development	Dr Dharmalingam K
	1601-19-805-023	SANJANA KANKIPATI			
	1601-19-805-059	YASHIR DURAIRAJAN			
20	1601-19-805-001	AISHWARYA CVS		Medical Biotechnology and Bioproduct development	Dr Dharmalingam K
	1601-19-805-033	VAISHNAVI MOKKAPATI			

	1601-19-805-039	ABHISHEK NAIK KANSOTH	Fabrication and characterization of stimuli-responsive hydrogel films for potential drug delivery applications		
21	1601-19-805-040	AVINASH THAMMANABOINA	Development of Citric acid crosslinked CMC and PVA based hydrogel films	Food Biotechnology and Bioproduct Development	Dr kiran YV
	1601-19-805-058	VENKATESHH MALAVATHU			
	1601-18-805-004	DEDEEPIYA ADICHERLA			
22	1601-19-805-045	DILIP KUMAR GOLLAMONI	Fabrication of polymer composite hydrogels containing soy flour for wound healing applications	Medical Biotechnology and Bioproduct development	Dr kiran YV
	1601-19-805-051	RITHWIK VARDINENI			
	1601-19-805-053	SAI RAM ALLUM			
23	1601-19-805-010	KRUSHE MUNDRU	Novel insilico design and analysis of hybrid phages for treatment of multi-drug resistant Tuberculosis	Medical Biotechnology and Bioinformatics	Dr B. Sumithra
	1601-19-805-024	SATYA NAGA LAKSHMI MOUNIKA KAVURI V S			
24	1601-19-805-038	ABDUL MUQEETH	High-throughput development and screening of Mycobacterium tuberculosis multi-epitope based vaccines: An insilico approach	Medical Biotechnology and Bioinformatics	Dr B. Sumithra
25	1601-19-805-009	KEERTHI JANARDHAN	Non coding regulatory RNA as novel biomarker for Alzheimer's Disease	Medical Biotechnology and Bioinformatics	Dr B. Sumithra
	1601-19-805-017	RAVALIKA SHEKKAR			
	1601-19-805-035	VAMSHI PRIYA BIRRE			
26	1601-19-805-014	MARY KAREN BELLAPURLA	Standard operating procedure for insulin human bulk (rDNA origin) according to European and indian pharmacopeia	Pharmaceutical Biotechnology	Dr Bishwambhar Mishra

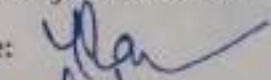


CERTIFICATE

This is to certify that the project entitled "*Evaluating the Antimicrobial Properties of Algal Polysaccharides and Their Applications*" submitted by Ms. Anushka Bera (1601-19-805-003) and Ms. Sravya Kunaparaju (1601-19-805-029) and Mr. Caleb Joel Raj (1601-19-805-042) in the partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University, is a bonafide record of the work carried out under the supervision of **Dr. Rajasri Yadavalli**, Associate Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Guide

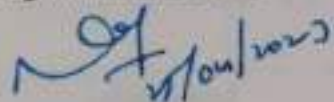
Name: Dr. Rajasri Yadavalli

Signature: 

Date: 2/4/23

Internal Examiner - 1


Name: Dr. C. Nagendranatha Reddy

Signature: 

Date: 2/4/23

Internal Examiner - 3

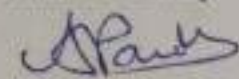
Name: Dr. Kiran Yellappa

Signature: 

Date: 2/4/23

Head of Department

Name: Dr. Ashutosh Panday

Signature: 

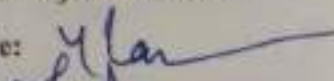
Date: 2/4/23

HEAD

Dept. of Bio-Technology

Chaitanya Bharathi Institute of Technology
Kothapet, Hyderabad-500 075


Name: Dr. Rajasri Yadavalli

Signature: 

Date: 2/4/23

External Examiner

Name: Dr. Suresh Kumar Rao

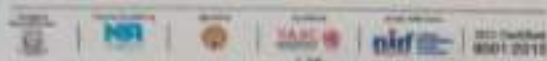
Signature: 

Date: 2/4/23



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

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



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Metagenomic analysis of Human Gut Microbiome for Antimicrobial resistance genes in Indian Population*" submitted by **Mr. Gorremuchu Jeremiah Paul (1601-19-805-046)**, in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Rajasri Yadavalli, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. Rajasri Yadavalli

Signature:

Date: 21/01/23

Internal Examiner – 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date: 25/04/2023

Internal Examiner – 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 21/01/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

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

**SCHOOL OF LIFE SCIENCES
UNIVERSITY OF HYDERABAD**



CERTIFICATE

This is to certify that **GORREMUCHU JEREMIAH PAUL** pursuing his final year of B. Tech in Biotechnology Engineering at CBIT, Hyderabad bearing the roll number 1601-19-805-046 respectively have carried out his project titled "**METAGENOMIC ANALYSIS OF HUMAN GUT MICROBIOME FOR ANTIMICROBIAL RESISTANCE GENES IN INDIAN POPULATION**" at Department of Systems and Computational Biology, School of Life Sciences, University of Hyderabad as a part of the curriculum from the 9th of January 2023 to the 24th of April 2023 and completed the project successfully.

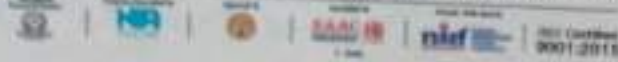
A handwritten signature in black ink, appearing to read 'Vivek Thakur', is written over a faint circular stamp.

DR. VIVEK THAKUR
Asst. Professor
Department of Systems &
Computational Biology
School of Life Sciences
University of Hyderabad



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

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



COMMITTED TO
RESEARCH
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Characterization of Citric Acid Crosslinked Carbopol-940 Based Hydrofilms for Wound Healing Applications*" submitted by Ms. M. Sai Sahithi (1601-19-805-021) and Ms. Samhitha Cheruku (1601-19-805-022) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. C. Obula Reddy, Asst. professor, Department of Biotechnology, Chaitanya Bharathi Institute of Technology and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. C. Obula Reddy

Signature:

Date: 25-4-23

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:
25/04/2023

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

25/4/23

Internal Examiner - 3

Name: Dr. Y. V. Kiran

Signature:

Date:

25/04/23

External Examiner

HEAD

Name:

Dr. Suresh Kumar

Name: Dr. Subramanian

Signature:

[Handwritten Signature]

Signature:

[Handwritten Signature]

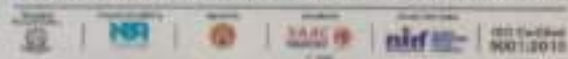
Date:

HEAD
Office of the Registrar
Tamil Nadu State Institute of Technology
Kilbuckur, Karaikal



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

Kotapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Extraction of therapeutic agents from plant resources for the treatment of seborrheic dermatitis*" submitted by Deekshitha.M (1601-19-805-006), Rishvika Shruthi.V (1601-19-805-018), and, Varshini.U (1601-1805-036), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. C. Obula Reddy, Asst. professor, Department of Biotechnology, CBIT** and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. C. Obula Reddy

Signature:

Date: 25-4-23

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:
25/04/2023

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 25/4/23

Internal Examiner - 3

Name: Dr. Kiran Y.V

Signature:

Date: 25/04/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashutosh Panday

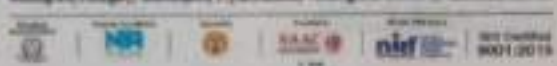
Signature:

Date:



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INSTITUTE OF TECHNOLOGY (A)**

Kakaparthi/Vijaypet, Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



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RESEARCH
INNOVATION AND
EDUCATION

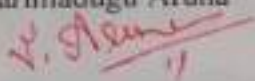
44
years

CERTIFICATE

This is to certify that the project entitled "Enhancement of Secondary Metabolites by Polymeric Nanoparticles in *Bacopa monnieri* – A Medicinal Herb" submitted by N. Likhith Sai Phani Chowdary (160119805047) in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad is a bonafiderecord of work carried under the supervision of Dr. Varimadugu Aruna, Associate Professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institute for the award of the degree and diploma.

Internal Guide

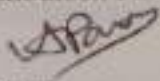
Name: Dr. Varimadugu Aruna

Signature: 

Date: 24.04.2023

Head of the department

Name: Dr. Ashoutosh Panday


Signature: 

Date: 24.04.2023

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

Internal examiner - 1

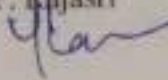
Name: Dr. C. Nagendranatha Reddy

Signature: 

Date: 24.04.2023

Internal examiner - 2


Name: Dr. Y. Rajasri

Signature: 

Date: 24.04.2023

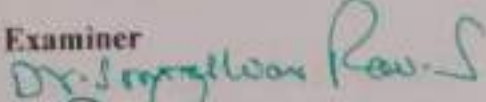
Internal examiner - 3


Name: Dr. Kiran Y.V.

Signature: 

Date: 24.04.2023

External Examiner

Name: 

Signature: 

Date: 26.04.2023



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

Kokapeta/Rajpet, Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Estimation of PGPR activities on chilli (capsicum annum L.) with special reference to three Bacillus spp*" submitted by **Mr. Veerabhadram**

Banothu (1601-19-805-057), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. V.Aruna, Associate professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. V.Aruna (Associate professor)

Signature:

Date: 26-04-2023

External Examiner

Dr. SOHINI S. SAGURTHI
Asst. Professor
Department of Genetics
Nizam's Dept. Biotechnology
Osmania University, Hyderabad-500 007

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date: 26-04-2023

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 26-04-2023

External Examiner - 3

Name: Dr. Kiran Yellappa Vajanthri

Signature:

Date: 26-04-2023

HOD

Name: Dr. Ashutosh Panday

Signature:

Date: 26-04-2023

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



25-04-2023

CERTIFICATE

This is to certify that the project entitled "*Estimation of PGPR activities on chilli (Capsicum annum L.) with special reference to three Bacillus spp*" submitted by VEERABHADRAM BANOTHU (1601-19-805-057) in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Biotechnology at Chaitanya Bharathi Institute of Technology, Osmania University is a record of bonafide work carried out by him under my guidance during the internship period (20-02-2023 to 25-04-2023). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this institute or any other Institute or University.

S. Sathiyamoorthy

DR. SATHIYAMOORTHY 25/04/2023

External guide & Supervisor

Designation: Process Development Associate

Varsha Bioscience and Technology India Private Limited,

Sy.No:253/A, Anthammagudem (A), Dothigudem (G.P),

Pochampally (M), Yadadri (Dist), Telangana-508284.

Phone: +91-40-24074427 Email:





CERTIFICATE

This is to certify that the project entitled "Molecular docking in modern drug discovery principle and application" submitted by N. Santhosh Kumar (1601-19-805-054), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. V. Aruna, Associate professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. V. Aruna, Associate professor,

Signature:

Date:

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

External Examiner

Name:

Signature:

Date:
Dr. SOME什WAR RAO
M.Sc, PGD, Ph.D, PCF (USA)
Asst. Professor
Department of Genetics
Nodal Dept. Biotechnology
Osmania University, Hyderabad-500 007.

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

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



Learntougrade Lifescience Healthcare Pvt. Ltd.

www.learntougrade.com



Date: 20th January 2023

CERTIFICATE

This is to certify that **Mr.N. Santhoshkumar**, final year student of **Btech.(Biotechnology) Chaitanya Bharthi Institute of Technology Gandipet, Telangana** will be pursuing his **3 Month internship / PROJECT Training** at **Learntougrade Life Science** during the Period from **25th January 2023 to 5th April 2023** in **(A) Molecular Docking and Simulation of ayurvedic plant constituents for anti-cancer/anti-inflammatory activity (B) QSAR modelling of anti-bacterial activity of plant** from our organization.

Name of the Company Guider: Dr.

S.K Mishra, Dr. Premraj Contact

Number: +917290079907

Email ID: sonumakeintern@gmail.com



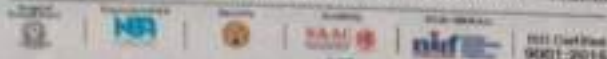
Hardeep Singh Puri
www.learntougrade.com

Director



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

Kukapudi(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Integrative bioinformatic analysis to identify microRNA-based biomarkers and therapeutics for the treatment of glioblastoma*" submitted by **Mr. Bhanu Shankar (1601-19-805-041)**, in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. Varimadugu Aruna**, Associate Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for the award of degree or diploma.

Internal Guide

Name: **Dr. Varimadugu Aruna**

Signature:

Date: **25/4/2023**

HOD

Name: **Dr. Ashoutosh Panday**

Signature:

Date: **25.4.2023**

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

Internal Examiner - 1

Name: **Dr. C. Nagendranatha Reddy**

Signature:

Date: **25/04/2023**

Name: **Dr. Rajasri Yadavalli**

Signature:

Date: **25/4/23**

Internal Examiner - 3

Name: **Dr Y. Kiran**

Signature:

Date: **25/04/23**

External Examiner

Name: **Dr. S. Srinivas**

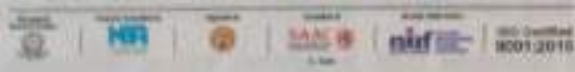
Signature:

Date:



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

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



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Synthesis and Characterisation of CMC based hydrogels as potential water retaining and nutrient releasing agent in Agriculture*" submitted by Mekala Lahari (1601-17-805-011), Sushma Eunice (1601-17-805-032), and Karnam Muktananda (1601-17-805-049), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. G.Vijaya Laxmi**, Associate Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. G. Vijaya Laxmi

Signature: *G. Vijaya Laxmi*

Date: 26/04/2023

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature: *C. Nagendranatha Reddy*

Date: 26/04/2023

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature: *Rajasri Yadavalli*

Date: 26/04/23

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature: *Y. Kiran*

Date: 26/04/2023

External Examiner

Name: Dr. Sureswan R. Sagunthi

Signature: *S. Sagunthi*

Date:

HOD

Name: Dr. Ashutosh Panday

Signature: *Ashutosh Panday*

Date:

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



CERTIFICATE

This is to certify that the project entitled "STUDIES ON OPTIMIZING COST-EFFECTIVE PROTOCOL FOR *INVITRO* PROPAGATION OF *MUEHLENBECKIA PLATYCLADAA* RARE MEDICINAL PLANT" submitted by Veniya Golthi (1601-19-805-037), Prashanth Kumar Balam (1601-18-805-050), and, Satyanarayana Reddy Marudi(1601-19-805-055), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr.G.Vijaya Laxmi Associate Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr.G.Vijaya Laxmi

Signature:

Date: 26/4/2023

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:
26/04/2023

Date:

Internal Examiner-2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 26/4/23

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature:

Date:

25/04/23

External Examiner

Name: Dr. Someshwar S Saguathi

Signature:

Date:

HOD

Name: Dr. Ashoutosh Panday

Signature:

Date: 26/4/23

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



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

Kothapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in

SAAC
nirf
ISO Certified
9001:2015

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

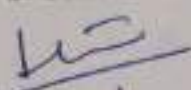
44
years

CERTIFICATE

This is to certify that the project entitled "Biodegradation Of Textile Effluent And Influence Of Treated Effluent On Plant Growth" submitted by Vaishnavi Punna (1601-19-805-034), Ruthika Rasala (1601-19-805-020), and, Rohini Venkannagari (1601-1805-019), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. S. Sumithra Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

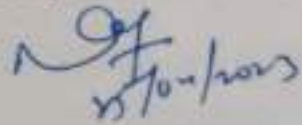
Name: Dr. S. Sumithra

Signature: 

Date: 24/4/2023

Internal Examiner-1

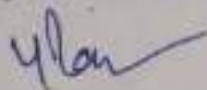
Name: Dr. C. Nagendranatha Reddy

Signature: 

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli


Signature: 

Date: 25/4/23

Internal Examiner - 3

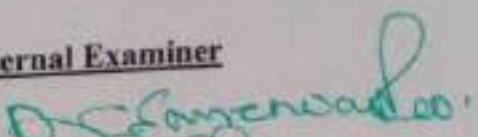
Name: Dr. Kiran Yellappa


Vajantri

Signature: 

Date: 25/04/23

External Examiner

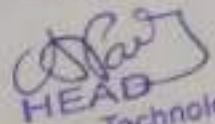
Name: 

Signature: 

Date:

HOD

Name: Dr. Ashutosh Pandey

Signature: 

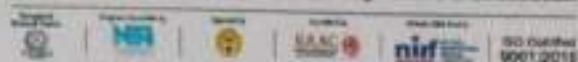
Date:

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



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

Kokapet (Village), Gopalpet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the Project Thesis entitled "Age related heart complications in obesity" submitted by Amulya Adavalli (1601-19- 805-002) in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a bonafide record of project work and has not been submitted to anyother university or institute for the award of degree and diploma.

Internal Guide

Name: Dr. S. Sumitra

Signature:

Date: 25/4/2023

External Guide

Name: Dr. G. Bhanuprakash Reddy

Signature:

Date:

Internal Examiner - 1

Name: DrC. Nagendranatha Reddy

Signature:

Date: 25/04/2023

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 25/4/23

Internal Examiner -3

Name: Dr. Y. Kiran

Signature:

Date: 25/04/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashoutosh Panday

Signature:

Date:

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



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NIN
NATIONAL INSTITUTE
OF NUTRITION

आई सी एम आर – राष्ट्रीय पोषण संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

ICMR - National Institute of Nutrition
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

Dr. G. Bhanuprakash Reddy
FJUNS, FRSC, FNASC, FAMS
Scientist-G & Head
Biochemistry Division

April 10, 2023

CERTIFICATE

This is to certify that the project entitled "AGE RELATED HEART COMPLICATIONS IN OBESITY" submitted by Amulya Adavall in partial fulfilment of the requirement for the award of the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a record of Bonafide work carried out by her under my guidance at the National Institute of Nutrition (ICMR-NIN) during the internship period (02-01-2022 to 30-04-2022). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma to any other Institute or University.


G. BHANUPRAKASH REDDY

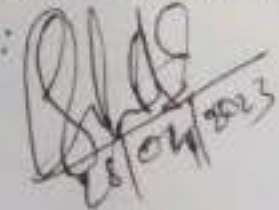


CERTIFICATE

This is to certify that the project entitled "*Formulation evaluation of Transdermal Patches of Atorvastatin Calcium*" submitted by Mr. Sai Phani Raj.B (1601-19-805-052), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Mrs Sumithra Salla , Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.


EXTERNAL GUIDE

NAME : CHANDRABHEKAR

SIGN: 
25/04/2023

Internal Guide

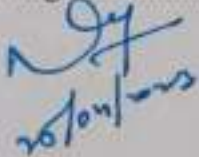
Name: Dr. Sumithra Salla

Signature: 

Date: 25/4/2023

Internal Examiner - 1

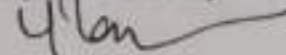
Name: Dr. C. Nagendranatha Reddy

Signature: 
26/04/2023

Date:

Internal Examiner - 2

Name: Dr. Rajasee Yadavalli

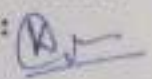
Signature: 

Date: 25/4/23

Date:

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature: 

Date: 25/04/23

Date:

External Examiner

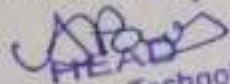
Name: Dr. Someswar Rao

Signature: 

Date:

HOD

Name: Dr. Ashutosh Pandey

Signature: 
HEAD

Date:

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

CERTIFICATE

This is to certify that the project entitled "**FORMULATION AND EVALUATION OF TRANSDERMAL PATCHES OF ATORVASTATIN CALCIUM**" submitted by **SAI PHANI RAJ, B** (1601-19-805-052) in partial fulfilment of the requirement for the award of the degree of B. Tech BIOTECHNOLOGY at CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) is a record of Bonafide work carried out by him under my guidance during the internship period (06-02-2023 to 05-05-2023). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this institute or any other Institute or University.

EXTERNAL GUIDE NAME: S. CHANDRASHEKAR

EXTERNAL SUPERVISOR: M. SURESH

EXTERNAL GUIDE DESIGNATION: CHIEF MARKETING OFFICER

Sparsha Pharma International Pvt.Ltd.

#8-2-408, Meenakshi House

Rd Number 7, Banjara Hills,

Hyderabad, Telangana 500034

Mobile: +91 9063727119

E-Mail: marketing@sparsha.com



Sparsha Pharma International Pvt. Ltd.

Corp. Off : #8-2-418, Meenakshi House, Road No. 7, Banjara Hills, Hyderabad - 500 034, Telangana State, India. Ph +91 40 2335 2580
Plant : Survey No. 354, Muppireddypally Village, Manoharabad Mandal, Medak Dist - 502336, Telangana State, India. Tel: 9616061728

E-mail: info@sparsha.com, www.sparsha.com

GSTIN : 36AAKCS5823Q1ZL, CIN No.: U24232TG2007PTC052719,

Regd. Off: #44, Jalivayu Vihar, Opp. KPHB Colony, Kukatpally, Hyderabad - 500 072.



CERTIFICATE

This is to certify that the project entitled "*Development of nano-emulsion system for food preservation*" submitted by Kavya Donga(1601-16-805-008), Shivanmitha(1601-19-805-027), and, Sahithi Bathula (1601-19-805-060), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Bishwambhar Mishra, Asst. Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. Bishwambhar Mishra

Signature:

Date: 25/4/23

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:
25/04/23

Date:

Internal Examiner-2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature:

Date:

External Examiner

Name:

Signature:

Dr. Someswar Rao S

Date:

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

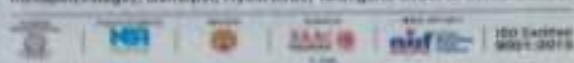
HEAD

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



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

Kukatpally, Gandipet, Hyderabad, Telangana-500075. www.cbil.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "**Decolourization of Gutka strains by using selected Microorganisms**" submitted by Ms. Gavini Manisha Reddy (1601-19-805-013) and Ms. Sompuram Sruthi Reddy (1601-19-805-031), in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. Bishwambhar Mishra, Asst. professor, Department of Biotechnology, CBIT,** and the same has not been submitted to any other university or institute for the award of degree or diploma.

Internal Guide

Name: Dr. Bishwambhar Mishra

Signature:

Date: 25/4/23

External Guide

Name: Dr. A. Rajyalakshmi

Signature:

Date:

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 25/4/23

Internal Examiner - 3

Name: Dr. Y. Kiran Vajanthri

Signature:

Date: 25/04/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

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

**BIOWORLD RESEARCH TECHNOLOGIES & NON FERROUS
MATERIALS TECHNOLOGY DEVELOPMENT CENTER (NFTDC)**



BIOWORLD
RESEARCH
TECHNOLOGIES,
NFTDC,
KANCHANBAGH,
500058

CERTIFICATE

This is to certify that the project entitled "DECOLORIZATION OF GUTKA STAINS USING SELECTED MICROORGANISMS" submitted by Ms. Gavini Manisha Reddy (1601-19-805-013) and Ms. Sompuram Sruthi Reddy (1601-19-805-031) in partial fulfilment of the requirement for the award of the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology, Osmania University is a record of Bonafide work carried out by him/ her under my guidance during the internship period (21-02-2023 to 10-04-2023). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report have not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this institute or any other Institute or University.

Dr. A. RAJYALAKSHMI

PRINCIPAL SCIENTIST AT NFTDC-BIOWORLD

BIOWORLD RESEARCH TECHNOLOGIES,

NFTDC,

KANCHANBAGH, 500058

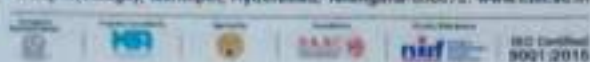
Mobile: +919032006577

E-Mail: rjya.bioworld@gmail.com



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

Kakapoti(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "OPTIMIZATION OF CARBOXYMETHYLE CELLULOSE BASED HYDROGEL FOR EFFICIENT ADSORPTION OF METHYLENE BLUE DYE" submitted by, Hazari Shivani (160119805026), Chenna Sumeet (160119805056), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Nagendranatha Reddy Assistant professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. Nagendranatha Reddy

Signature:

Date:

HOD

Name: Dr. Ashoutosh Panday

Signature:

Date: 25-04-2023
HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature:
25/04/23

Date:

External Examiner

Name:

Signature:

Date:



CERTIFICATE

This is to certify that the project entitled "*Isolation Of Microbial Rennet Enzyme And Bromelain Enzyme And Its Purification, Characterization, And Comparison For Cheese Production*" submitted by **Bhavya Thanda (1601-19-805-004)**, **Chikitha Andela (1601-19-805-005)**, and **Shaik Nousheen (1601-19-805-025)** in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a bonafide record of work carried under the supervision of Dr. Sanjeeb Kumar Mandal, Asst. Professor, Department of Biotechnology, CBIT, and Priya Ray, Microbiologist, Royal Life Sciences Pvt Ltd, Secunderabad, and the same has not been submitted to any other university or institute for the award of a degree or diploma.

Internal Guide

Name: Dr. Sanjeeb Kumar Mandal

Signature: *Sanjeeb Kumar Mandal*

Date: *25/04/2023*

External Guide

Name: Ms. Priya Ray

Signature: *Priya Ray*

Date: *25/04/2023*

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature: *C. Nagendranatha Reddy*

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature: *Rajasri Yadavalli*

Date: *26/4/23*

Internal Examiner - 3

Name: Dr. Kiran Y V

Signature: *Kiran Y V*

Date:

External Examiner

Name: Dr. Someswar R. Sagusthi

Signature: *Someswar R. Sagusthi*

Date:

HOD

Name: Dr Ashoutosh Panday

Signature: *Ashoutosh Panday*

Date:

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



Royal Life Sciences Pvt. Ltd.

Affiliated to MDDI Shreebail, USA

Phone: +91-40-27201728

Mobile: +91-9246810242

2nd Floor, Plot No-4, Sai Nagar Colony, BSNL Lane, Picket Road, Secunderabad-500009 (near city of Hyderabad), INDIA
ONLINE: WWW.ROYALLIFESCIENCES.COM EMAIL: info@royalgroupinfo.com OR www.royalgroupinfo.com

CERTIFICATE

This is to certify that the project entitled "*Isolation Of Microbial Rennet Enzyme And Bromelain Enzyme And Its Purification, Characterization, And Comparision For Cheese Production*" submitted by **Bhavya Thanda (1601-19-805-004)**, **Chikitha Andela (1601-19-805-005)**, and **Shaik Nousheen (1601-19-805-025)** in partial fulfillment of the requirement for the award of the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a record of Bonafide work carried out by him/ her under my guidance during the period (24-01-2023 to 14-04-2023). The project fulfills the requirements as per the regulations of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of a Degree or Diploma in this institute or any other Institute or University.

Priya Ray

Microbiologist

Royal Life Sciences Pvt Ltd.

2nd floor plot no 4,

Sai nagar Colony, BSNL Lane,

Picket Road, Secunderabad-500009, India.

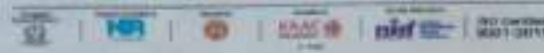
Mobile: 9246810242

E-Mail: info@royalgroupinfo.com



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

Kothagat(Village), Guntur, Hyderabad, Telangana-500075. www.cbait.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Experimental research on development of sodium hyaluronic acid patch using microneedle technology*" submitted by Ms. Duggi Reddy Navya Sree (1601-19-805-016) and Ms. Sri Harshini Kothamasu Student (1601-19-805-030), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad affiliated to Osmania University is a Bonafide record of work carried under the supervision of Dr. Sanjeeb Kumar Mandal, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide:

Name: Dr. Sanjeeb Kumar Mandal

Signature:

Sanjeeb Kumar Mandal

Date:

25-04-2023

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

C. Nagendranatha Reddy

Date:

25/04/2023

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Rajasri Yadavalli

Date:

25/04/23

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature:

Y. Kiran

Date:

25/04/23

External Examiner

Name:

Signature:

Date:

Dr. S. Srinivasan

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

Ashutosh Panday

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

CERTIFICATE

This is to certify that the project entitled "*EXPERIMENTAL RESEARCH ON DEVELOPMENT OF SODIUM HYALURONIC ACID PATCH USING MICRONEEDLE TECHNOLOGY*" submitted by Duggi Reddy Navya Sree (160119805016) and Sri Harshini Kothamasu (160119805030) in partial fulfilment of the requirement for the award of the degree of B. TECH BIOTECHNOLOGY at CHAITANYA BHARATI INSTITUTE OF TECHNOLOGY (AUTONOMOUS) is a record of Bonafide work carried out by them under my guidance during the internship period.

The project fulfils the requirements as per the regulations of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of a Degree or Diploma in this institute or any other Institute or University.

Mr Chandra Shekhar,
Chief Marketing Officer,
Sparsha Pharma International Pvt.Ltd



Sparsha Pharma International Pvt. Ltd.

Corp. Off : # 8-2-408, D-3, Sri Krishna Apts, Road No. 8, Banjara Hills, Hyderabad - 500 034, Telangana State, India.
Ph : +91 40 2335 2581 / 2583, Fax : + 91 40 2335 2580

Plant : Survey No.354, Muppireddypally Village, Manoharabad Mandal, Medak Dist-502336, Telangana State, India. Tel: 9852556938.
E-mail : info@sparsha.com, www.sparsha.com

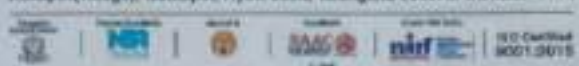
GSTIN:36AAKCS5823Q1ZL, CIN No. : U24232TG2007PTC052719,

Head. off : #44, Jalavayu Vihar, opp. KPHB Colony, Kukatpally, Hyderabad-500 072



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

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



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled Licorice infused cellulose based hydrogel films containing aroma compounds for potential applications of wound healing submitted by **Mahitha Pyla, Sanjana Kankipati, Yashir Durai** in partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad is a Bonafide record of work carried under the supervision of Dr.K.Dharmalingam Department of Biotechnology, CBIT and has not been submitted to any other university or institute for award of degree and diploma.

Internal Guide

Name: Dr.K.Dharmalingam

Signature: *K. Dharmalingam*

Date: 25.04.2023

HOD

Name: Dr. Ashutosh Panday

Signature: *Ashutosh Panday*

Date: 25.04.2023

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

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature: *C. Nagendranatha Reddy*

Date: 25.04.2023

Internal Examiner - 2

Name: Dr Y. Rajasri

Signature: *Y. Rajasri*

Date: 25.04.2023

Internal Examiner - 3

Name: Dr Y. Kiran

Signature: 

Date: 25.04.2023

External Examiner

Name: Dr. Someswar Rao. S

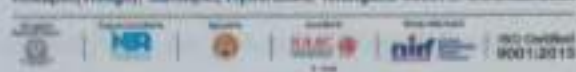
Signature: 

Date: 25.04.2023



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

Kulapeet (Wing), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled entitled "*Fabrication and characterization of stimuli- responsive hydrogel films for potential drug delivery applications*" submitted by Aishwarya CVS (160119805001), Vaishnavi Mokkaapati (160119805033), Kansoth Abhishek Naik (160119805039), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. K. Dharmalingam, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. K. Dharmalingam

Signature: *K. Dharmalingam*
25/4/23

Date:

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

C. Nagendranatha Reddy
25/03/2023

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Rajasri Yadavalli
25/4/23

Date:

External Examiner

Name:

Dr. Somachandra S. S. Rao

Signature:

Date:

HOD

Name: Dr. Ashutosh Panday

Signature:

Ashutosh Panday

Date:

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



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

Kakapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Development of Citric acid crosslinked CMC and PVA based hydrogel films*" submitted by T.Avinash (1601-19-805-040), M.Venkateshh (1601-17-805-058) and A.Dedeepya (1601-18-8050-004) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Kiran Yellappa Vajanthri, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. Kiran Yellappa Vajanthri

Signature:

Date: 25/04/23

Internal Examiner-1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date:

Internal Examiner - 3

Name: Dr. Kiran Yellappa Vajanthri

Signature:

Date: 25/04/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashutosh Panday

Signature:

Date:

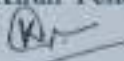
HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

CERTIFICATE

This is to certify that the project entitled "*Fabrication of polymer composite hydrogels containing soy flour for wound healing applications*" submitted by Gollamoni Dilip Kumar (1601-19-805-045), Vardineni Rithwik (1601-18-805-051), and, Allum Sai Ram (1601-19-805-053), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Kiran Yellappa Vajanthri Associate Professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

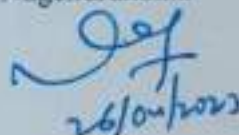
Name: Dr. Kiran Yellappa Vajanthri

Signature: 

Date: 25/04/23

Internal Examiner - 1

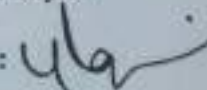
Name: Dr. C. Nagendranatha Reddy

Signature: 

Date:

Internal Examiner-2


Name: Dr. Rajasri Yadavalli

Signature: 

Date:

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature: 

Date:

External Examiner

Name:

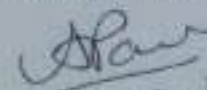
Dr. Someshwar K. Sagarthi

Signature: 

Date:

HOD

Name: Dr. Ashoutosh Panday

Signature: 

Date:

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



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**
Kotagpet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbait.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Novel in silico design and analysis of hybrid phages for treatment of multi-drug resistant tuberculosis.*" submitted by Miss. Krushe Mundru (1601-19-805-010) and Miss. Kavuri VS Satya Nagalakshmi Mounika (1601-19-805-024) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. B. Sumithra, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. B. Sumithra

Signature:

Date: 26/04/2023.

HOD

Name: Dr. Ashutosh Pandey

Signature:

Date: 25/4/23
HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 25/4/23

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date: 25/04/2023

Internal Examiner - 3

Name: Dr. Y Kiran

Signature:

Date: 25/04/23

External Examiner

Name:

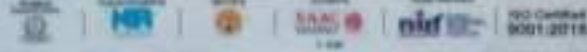
Signature:

Date:



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

Kukatpally(Village), Gandipet, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*High-throughput development and screening of M. tuberculosis MEBVs, In-silico*" submitted by Mr. Abdul Muqeeth (1601-19-805-038) in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. B. Sumithra**, Asst. professor, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. B. Sumithra

Signature:

Date: 26.04.2023

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:
26/04/2023

Date:

Internal Examiner - 2

Name: Dr. Rajasri Yadavalli

Signature:

Date: 26/4/23

Internal Examiner - 3

Name: Dr. Y. Kiran

Signature:
for
26/04/2023

Date:

Head Of Dept.

Name: Dr. Ashoutosh Panday

Signature:
26.4.2023

Date:

External Examiner

Name: Someshwar. G. Jagruthi

Signature:

Date:

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

CERTIFICATE



Department of Biotechnology,
K L Deemed to be University,
Guntur District, A. P., INDIA.
Pincode: 522302

CERTIFICATE

This is to certify that the project entitled "High-throughput development and screening of M. tuberculosis MEBVs, In-silico" submitted by Abdul Muqeth (1601-19-805-038) in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Biotechnology at CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), Osmania University is a record of Bonafide work carried out by him under my guidance during the internship period (10-01-2023 to 10-04-2023). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report have not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this institute or any other Institute or University.

EXTERNAL GUIDE NAME: Dr. BURRA V L PRASAD

EXTERNAL GUIDE DESIGNATION:

Head, Centre for Advanced Research, and Innovation
In Structural Biology of Diseases (CARISBD)
Department of Biotechnology,
K L Deemed to be University

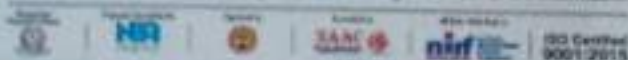
25-04-2023

Mobile: 08645350200 - 1227
E-Mail: pburra@kluniversity.in



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

Kotkapet(Village), Gandipet, Hyderabad, Telangana-500075, www.cbait.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "*Non coding regulatory RNA as a novel biomarker for Alzheimer's disease*" submitted by Ms. Janardhan Keerthi (1601-19-805-009), Ms. Shekhar Ravalika (1601-17-805-017), and Ms. Birre Vamshi Priya (1601-19-805-035), in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of **Dr. B. Sumithra, Assistant Professor**, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. B. Sumithra

Signature:

Date: 26/04/2022

Internal Examiner - 1

Internal Examiner-2

Internal Examiner - 3

Name: Dr. C. Nagendranatha
Reddy

Signature:

Date:

Name: Dr Y. Kiran

Signature:

Date:

Name: Dr. RajasriYadavalli

Signature:

Date:

External Examiner

Name: Dr. Gorneswar R. Sagarthi

Signature and date:

HOD

Name: Dr. Ashoutosh Panday

Signature and date:

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



CERTIFICATE

This is to certify that the project entitled "*STP for Sodium Chloride and Insulin Human Bulk (r DNA origin) according to Indian and European Pharmacopoeia*" submitted by **Ms Bellapurla Mary Karenin** partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried under the supervision of Dr. Bishwambhar Mishra, Department of Biotechnology, CBIT and the same has not been submitted to any other university or institute for award of degree or diploma.

Internal Guide

Name: Dr. Bishwambhar Mishra

Signature:

Date: 25/4/23

External guide

Name: P.V Krishna Reddy

Signature:

Internal Examiner - 1

Name: Dr. C. Nagendranatha Reddy

Signature:

Date:

Internal Examiner - 2

Name: Dr. Y. Rajasri Yadavalli

Signature:

Date: 25/4/23

Internal Examiner - 3

Name: Dr. Yellappa Kiran

Signature:

Date: 25/4/23

External Examiner

Name:

Signature:

Date:

HOD

Name: Dr. Ashutosh Pandey

Signature:

Date:

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

EXTERNAL CERTIFICATE



CERTIFICATE

This is to certify that the project entitled "STANDARD TESTING PROCEDURE FOR INSULIN HUMAN BULK (RDNA ORIGIN) ACCORDING TOIP and USP" submitted by BELLAPURLA MARY KAREN in partial fulfilment of the requirement for the award of the degree of BIOTECHNOLOGY at CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY is a record of Bonafide work carried out under my guidance at the Virchow Biotech Private Limited during the internship period (18-01-2023 to 18-06-2023). The project fulfils the requirements as per the regulations and of this Institute and in my opinion meets the standards for submission. The content of this report have not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this institute or any other Institute or University.

EXTERNAL GUIDE NAME :KRISHINA REDDY

EXTERNAL GUIDE DESIGNATION:

Survey No. 172 part, Gagilapur Village, Dundigal Gandimaisamma Mandal, Medchal -Malkajgiri District, Telangana - 500 043, INDIA

Phone: 09700017820

Email: hr@virchowbiotech.com

Factory : Survey No. 172 Part, Gagilapur Village, Dundigal Gandimaisamma Mandal, Medchal-Malkajgiri District, Telangana - 500 043, INDIA.

Phone : 09700017820, 09700017883 E-mail : hr@virchowbiotech.com, regulatory.vbpl@gmail.com

Head Office : # 219 & 320, IIIrd Floor, Swamy Ayyappa Co-op. Housing Society Ltd, Madhapur, Hyderabad-500 081.

Phone : +91-40-23119481, Fax : +91-40-23119486. **GSTIN : 36AABCV2578A1ZI**

**1.3.4 Proof of B.Tech Biotechnology
students undertaking Industrial visits
for latest academic year (2022-23)**

1.3.4 Proof of B.Tech Biotechnology students
undertaking Industrial visits for latest academic year(2022-2023)

Chaitanya Bharathi Institute of Technology

Department of Biotechnology

Data of Industrial visits for the AY 2022-23

S. No	Name of the Industry Visited	Dates of Industrial Visit	Report and Photographs	No. of participants/students
1.	Institute of Genetics and Hospital for Genetic Diseases	13-09-2022	Available	30
2.	CCMB	26-09-2-22	Available	31
3.	Prathista Industries	24-11-2022	Available	60
4.	Food Corporation of India	1-12-2022	Available	57
5.	NIAB – National Institute of Animal Biotechnology	06-03-23	Available	56
Industrial visits: Total student strength				234

Report regarding Industrial Visit to Institute of Genetics and Hospital for Genetic Diseases:

◆ Introduction:

On September 13th, 2022, the Department of Biotechnology at the Chaitanya Bharathi Institute of Technology organized and coordinated an industrial visit to the "Institute of Genetics and Hospital for Genetic Diseases."

In 1978, Osmania University founded the Institute of Genetics and Hospital for Genetics. The institute's first director was Professor O.S. Reddi. The institute's mission is to conduct multidisciplinary research on genetic disorders and illnesses, to offer affected individuals and their families diagnostic, management, and counselling services, and to work toward prevention. Environmental toxicity, cell biology, molecular biology, clinical psychology, and clinical genetics are only a few of the institute's departments.



◆ Institute's Objectives:

- ❖ Maintenance of genetic registry
- ❖ Pre & post-natal diagnosis of genetic diseases
- ❖ Carrier detection and management
- ❖ Research to understand disease pathogenesis
- ❖ Development of new diagnostic marker tools
- ❖ Monitoring of population for environmental and occupational hazards(genotoxicity)
- ❖ Prospective(premarital/preconceptual) and retrospective genetic counselling

◆ **Research Disciplines:**

- ❖ Clinical Genetics
- ❖ Cell Biology
- ❖ Molecular Biology
- ❖ Clinical Biochemistry
- ❖ Environmental Toxicology
- ❖ Psychology and Special Education

◆ **Screening techniques:**

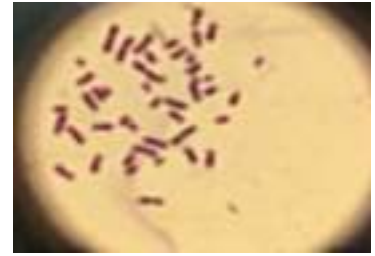
- ❖ Population screening
- ❖ New-born screening
- ❖ Neonatal screening
- ❖ Antenatal screening

◆ **Description:**

- We were welcomed by the local academics as soon as we arrived at the institute, and they directed us to the molecular biology lab. In the molecular biology lab, Madam has discussed PCR and the many PCR kinds. She outlined the three primary PCR types. RT PCR, Amp PCR, and Reverse Transcriptase PCR. She advised calling RT PCR, at real-time PCR because real-time PCR provides results quickly and on-the-spot. In addition to being known as QPCR (Quantitative PCR), RT PCR is also used to quantify nucleic acids. She further explained about the different types of PCRs which were listed above. Amp PCR is for Amplification PCR, which is typically used for nucleic acid multiplication. The conversion of RNA to DNA is accomplished using reverse transcriptase PCR.



- Following that, Ms. A. srilekha discussed the human chromosomes in clinical genetics. She also mentioned that only three shapes are seen during human mitosis: telocentric, sub metacentric, and metacentric. She also displayed live chromosomes under a microscope and discussed information on monosomy and trisomy syndromes such down syndrome, Klinefelter's syndrome, and tuners syndrome. We had the chance to Learn about the Fish approach and the workings of karyotyping.



- On the other, Dr. Shilpa who is specialized in molecular biology briefed about how various deficiencies of biological compounds effect the biological pathways and lead to various disorders. Through the help of several case studies, she explained the diagnosis and alternative ways to prevention. She explained about how beneficial it is to get NBS done for the new born babies in order to protect them from permanent damage of the babies' brain, nerves etc. She briefed about how efficient this method is to detect around 200 genetic disorders in the new born babies. She highlighted the fact that how the US government made it mandatory to allow the infants to go with NBS, and also, she expressed her views on how advantageous it would be if the government of India acts the same way.



- Then, we went to the Animal Culture Lab, where Mam showed us the tools, including an inverted microscope and laminar air flow, and in the central lab, Mam demonstrated PCR and gel Doc.
- We also attended the orientation by Dr. Srinadh where he used various case studies to brief about various genetic disorders that effect new born/infants. One such case study used is Myelomeningocele. It is a variety of Spine bifida which effects the membranes

and spinal nerves to protrude at birth, creating a pouch on the baby's back. After birth, immediate surgery is required because the exposed nerve system could get contaminated.

- We went to an HPLC lab, Where Madam taught about HPLC and how they utilize HPLC for determining thalassemia and sickle cell anemia exhibited various HPLC reports and described how to detect the presence of thalassemia and sickle cell illness. And shown some HPLC reports and explained about how we can find the presence of sickle cell anaemia, thalassemia disease



- Following that, we were guided to the 'School of special education for special children'. We were astounded to learn how the School for Special Students had helped the special kids become self-sufficient. She emphasized the value of the Counselling services offered by their organization. We realized how vital it is to explain the Severeness of the disorders and providing the afflicted with all the possible ways of curing/treating the disorders.





◆ **Summary:**

- ❖ The industrial visit was very informative.
- ❖ It helped to enhance our level knowledge on various aspects of research and Genetic disorders.
- ❖ Came to know various kind of syndromes, illnesses that are affecting the infants.
- ❖ Came to know various applications of various kinds of assays and tests.

Fwd: CSIR-CCMB OPENDAY Slot Booking Confirmation.

1 message

Obulareddy Chittepu <chittepuobulareddy@gmail.com>
To: sagar shekar <shekar.sagar1@gmail.com>

Fri, Sep 23, 2022 at 2:01 PM

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

From: webmaster@csircmb.org <webmaster@csircmb.org>
Date: Tue, Sep 13, 2022 at 8:39 PM
Subject: CSIR-CCMB OPENDAY Slot Booking Confirmation.
To: <chittepuobulareddy@gmail.com>

Dear C OBULA REDDY,

Your slot for CSIR-CCMB Openday [on 26-Sep-2022] is confirmed.

Allotted Slot	08:30 - 09:30
School/Institute Name	chaitanya bharathi institute of technology
No. of Visitors	15
Booking Date & time	13-09-2022 20:39:52
Booking ID	20220133

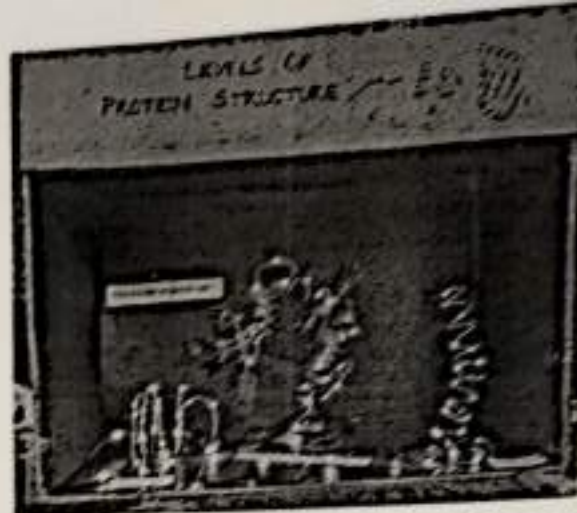
Please bring the printout of this mail and produce at the Reception Counter on the openday.

CSIR-CCMB Openday organizers,
CCMB, Hyderabad

CMB September visit whole day attendance

Name	Roll no:	Signature
Srishta Valluru	1601-20-805-019	
Sini Shriya	1601-20-805-020	
Sujatha Kolluru	1601-20-805-016	
Fouzia Rajath Fouzia	1601-20-805-010	
Shrovani Pokala P. Praveen	1601-20-805-023	
Spreethi Sada	1601-20-805-032	
M.G.K. Charan	1601-20-805-046	
Jyothika Meenakshi K. Tankali	1601-20-805-013	
Chaitra Gali G. Anitha	1601-20-805-007	
Balaji Doolani Balaji D	1601-20-805-044	
N. Rakesh Reddy	1601-20-805-055	
Dnyaneshwar	1601-20-805-048	
Prathibha	1601-20-805-059	
Skrumija / Ashish	1601-20-805-042	
Sudeshna Ch. Suddhanda	1601-20-805-008	
Aishwarya	1601-20-805-002	
M. Vikki KUMAR	1601-20-805-053	
B. Reena Pravallika. B. Ram Praveen	1601-20-805-038	
Aniruddha Utharam. E. BASI	1601-20-805-041	
B. Uthaya	1601-20-805-027	
B. Nitin Ratnam	1601-20-805-043	
K. Chetan Balu	1601-20-805-052	
	1601-20-805-009	

S.NO	Name	Roll no	Signature:
24	K. Sathvika Ch	1601-20-805-022	<u>Sathvika</u>
25	T. Bhanu Prakash Bhanu	1601-20-805-045	<u>Bhanu</u>
26	M. Neha Reddy Neha	1601-20-805-017	<u>Neha</u>
27	K. Shivani Reddy	1601-20-805-024	<u>SV</u>
28	K. Hrithik Hrithik	1601-20-805-051	<u>Hrithik</u>
(29)	M. Soumya Moumya	1601-20-805-031	<u>Moumya</u>
30	N. Sravani N. Sravani	1601-20-805-033	<u>N. Sravani</u>
31	R. Ashish A	1601-20-805-042	<u>A</u>



Chaitanya Bharathi Institute of Biotechnology

Gandipet, Hyderabad

Industrial Visit Report

Date of Visit: 26-09-2022

Place of Visit: Centre for Cellular and Molecular Biology (CCMB)

A visit was organized to a group of 30 members of 3rd year B. Tech Biotechnology to the Center for Cellular and Molecular Biology on 26/09/2022. All the students had reached the venue by 8:30 am. It was an open day and hence there were many students from several schools and colleges. The tour started by assigning guides who lead us onto a campus tour showing different departments and labs including sequencing lab, proteomics lab, microscopic facility, etc. We were then led to the live projects organized in the facility. The students visited around 20 posters among which some of them were found to be very informative and interesting. A variety of rice that is used in many households, *Sambha masuri* was more prone to *Xanthomonas oryzae* that caused terrible damage to the entire crop. So, a transgenic variety (improved *Sambha masuri*) was developed that is designed to be resistant of that particular bacterial strain with minimal to no pesticides required. A similar one is the purple rice plant on which research is going on.


Several insects (like centipede, millipede, scorpion) were collected from forest areas of the eastern and western ghats to study their predatory nature and the paralyzing ability of scorpion venom, morphology of the samples collected from different places and their genetic variation. There was a demonstration of simple DNA isolation using household items that attracted many students. The students were awarded a free DNA isolation kit had they answered the questions posed by the presentec. There was a forensics team that specialized in wildlife forensics and handled around 3000 cases. They also worked on finding the degree of relatedness between animals by generating a PCR product through patented primer. There was a stall depicting the life cycle of drosophila wherein the students got to see the developmental stages in vials containing nutrient media. There was another stall wherein they explained the significance of a single mutation in the morphology of an organism by citing examples of fluorescent eyes of a bug (green fluorescent protein being responsible for it), presence of HAUX gene responsible for 6 fingers on the hand of a human being, genetically mutated bug that has eyes on its whole body, shrunken body size of a bug due to the removal of insulin receptor gene, etc. The potential dangers of snake bite and the dos and don'ts of treating a snake bite were explained along with a live demonstration of petri dish containing blood that is affected by a few varieties of venomous snakes. We then visited the liquid nitrogen facility that produces liquid nitrogen from atmospheric air. Applications and precautionary measures to be taken while handling liquid nitrogen were understood. A prototype of device that could produce electrical energy by a difference in temperature was demonstrated. It worked on the principles of Seebeck effect and Peltier effect. A mini demonstration of a spectrophotometer was seen. A unique strain gauge that was developed to check the weight up to fifth decimal was seen. The strain gauge worked on the principles of EMF compensation and Wheatstone bridge. The determination of 3D structures of proteins using Cryo EM was well explained wherein the proteins were designed to be overexpressed followed by purification using chromatographic techniques and addition of liquid ethane to protect the sample from laser beam being hit in the Cryo EM. Several angles of the sample proteins are analyzed and run through a software to get a 3D representation of the desired protein.

We were then led to the posters organized in the facility. Various neurodegenerative disorders and neuro-psychological disorders were being studied by conducting multiple behavioral tests on mice, some of

which were social defeat stress, forced swim test to determine the levels of depression, elevated plus maze as a test for anxiety, etc. Several groups performed archaeogenetic studies to study the culture, heritage, population migration, domestication, effect of paleo diet, paleopathological examinations, verification of Aryan theory, etc. Then a visit was paid to the bug station divided into three other groups wherein diseases like tuberculosis, corona virus and sickle cell anemia were discussed. There was a study on stress biology and molecular medicine that included heat shock proteins and the possibility of mitochondria when subjected to stress leading to cancer through mitophagy (Warburg effect was observed).

Conclusion:

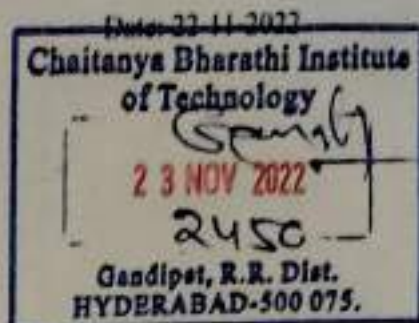
Overall, the tour was quite informative and helped us gain a lot of practical knowledge and understand the current trends in biological research. It also encouraged us to pursue a career in research and the future scope of life sciences. Finally, we would like to thank our professor Dr. C Obula Reddy and the head of the department Dr. Y. Rajasri for their support in making the visit successful.


V/C Head 20/9/22

Dept. of Biotechnology

CBIT/BT/749

To
The Principal
CBIT



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

Respected Sir,

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

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

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

Thanking you,

Dr. Y. Raju
23/11/22

Yours Sincerely,

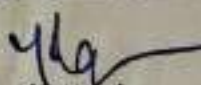
Dr. Y. Raju
(Dr. Y. Raju)
I/C Head
Dept. of Biotechnology

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS
 Department of Biotechnology
 Industrial visit to Prathista Industries on 24th November, 2022

B.Tech. (BIOTECH) - V SEMESTER

S. No	Roll No.	Name of the Candidate	Signature
1	1601-20-805-001	ADITHI REDDI KAMANA	<i>Adithi Reddi Kamana</i>
2	1601-20-805-002	AISHWARYA KULKARNI	<i>Aishwarya Kulkarni</i>
3	1601-20-805-003	ALWINA G	<i>Alwin G</i>
4	1601-20-805-005	BADAVATH MOUNIKA	<i>Madhavi</i>
5	1601-20-805-006	BODIKA SHYNI SHA	<i>Shyini</i>
6	1601-20-805-007	CHAITRA GALI	<i>Chaitra Gali</i>
7	1601-20-805-008	CHUNDURU SAI HARI HARA SUDHESHNA	<i>Ch. Sudheshna</i>
8	1601-20-805-009	DIVYA PREMA SUROJU	<i>Divya Prema Suroju</i>
9	1601-20-805-010	FOUZIA RAFATH SHAIK	<i>Fouzia Rafath Shaik</i>
10	1601-20-805-012	HAMSINI KATLA	<i>Hamsini Katla</i>
11	1601-20-805-013	JYOTHIKA MEENAKSHI KAMBHAMPATI	<i>Jyothika Meenakshi Kambhampati</i>
12	1601-20-805-014	KAVYA PASIRIKA PATHIPAKA	<i>Kavya Pasirika Pathipaka</i>
13	1601-20-805-016	NAGA VENKATA SUJATHA KOLLURU	<i>Naga Venkata Sujatha Kolluru</i>
14	1601-20-805-017	NEHA REDDY MARAPALLI	<i>Neha Reddy Marapalli</i>
15	1601-20-805-018	REENA PRAVALLIKA BALLA	<i>Reena Pravallika Balla</i>
16	1601-20-805-019	SAI LEELA SIRISHA VALLURU	<i>Sai Leela Sirisha Valluru</i>
17	1601-20-805-020	SAI SHRIYA Y	<i>Sai Shriya Y</i>
18	1601-20-805-021	SANJANA REDDY PAILLA	<i>Sanjana Reddy Paila</i>
19	1601-20-805-022	SATHVIKA KURUVELLA	<u>Absent</u>
20	1601-20-805-023	SHARVANI POKALA	<i>Sharvani Pokala</i>
21	1601-20-805-024	SHIVANI REDDY KAPPATI	<i>Shivani Reddy Kappati</i>
22	1601-20-805-025	SHREECHANDRA SALUKUTI	<i>Shreechandra Salukuti</i>
23	1601-20-805-026	SHREENIJA PERI	<i>Shreenija Peri</i>
24	1601-20-805-027	SHREYA BANALLA	<i>Shreya Banalla</i>
25	1601-20-805-028	SHRIYA REDDY PATLOLLA	<i>Shriya Reddy Patlolla</i>
26	1601-20-805-029	SNEHA B	<i>Sneha B</i>
27	1601-20-805-030	SOUBORNI NANDY	<u>Absent</u>
28	1601-20-805-031	SOUMYA MANDALA	<i>Soumya Mandala</i>
29	1601-20-805-032	SPOORTHI SADA	<i>Spoorthi Sada</i>
30	1601-20-805-033	SRAVANI NEELAM	<i>N. Sravanji</i>
31	1601-20-805-034	SRI VARSHA VANGA	<i>Sri Varsha Vanga</i>
32	1601-20-805-035	TANMAYI BOREDA	<i>Tanmayi Boreda</i>
33	1601-20-805-036	UMAMAH FATIMA SYEDA	<i>Ummamathim</i>
34	1601-20-805-037	V SHREYA SHARMA	<i>Shreya Sharma</i>
35	1601-20-805-038	VENNELA LAKAVATH	<i>Lakshmi Vennela</i>
36	1601-20-805-039	AKASH GADDAM	<i>Akash Gaddam</i>
37	1601-20-805-040	ALLOJU ABHISHEK	<i>Alloju Abhishek</i>
38	1601-20-805-041	ANIRUDDHA SREERAM BOBBILI	<i>Aniruddha Sreeram Bobbili</i>
39	1601-20-805-042	ASHISH RAMAGALLA	<i>Ashish Ramagalla</i>
40	1601-20-805-043	BADHE NITIN RATNAM	<i>Badhe Nitin Ratnam</i>

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


 I/C Head
 Dept. of Biotechnology

Faculty

1. Dr. Nageshwar

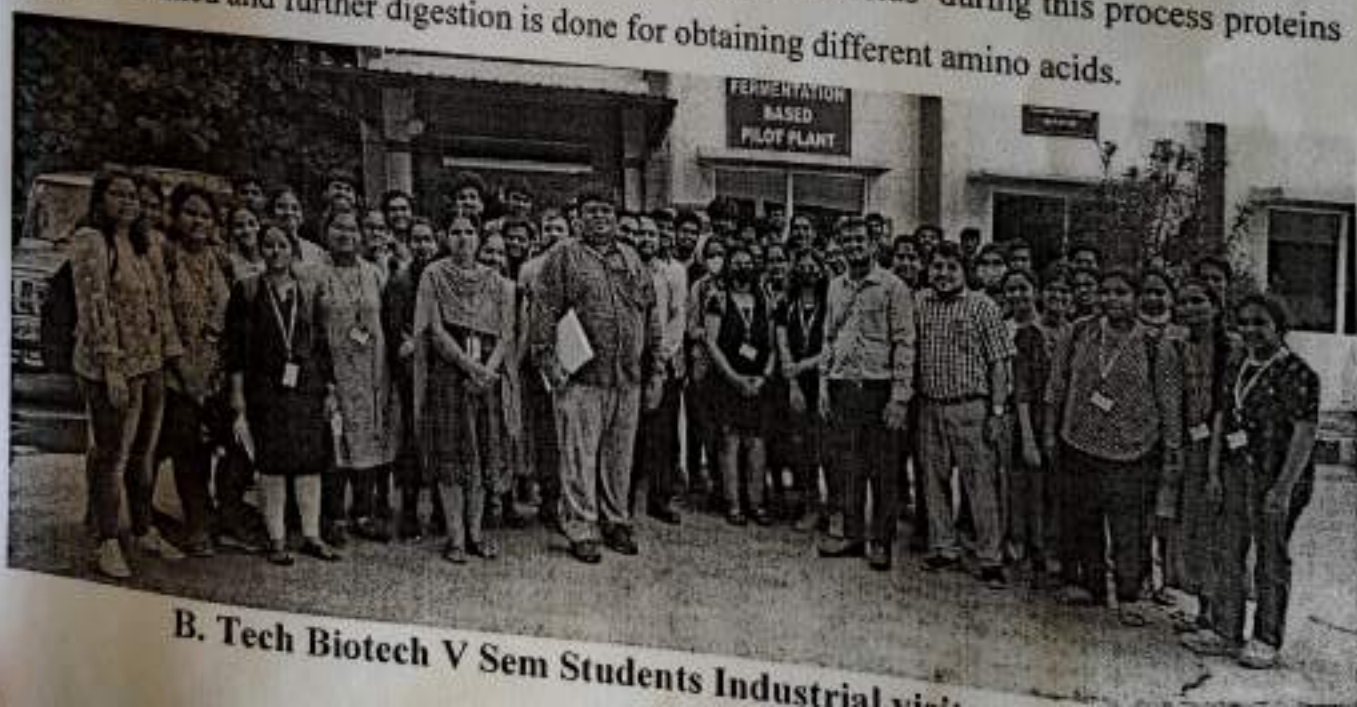


2. Dr. Dharmalingam K. K. B. R.

Industrial Visit Report on Prathishta Fermentation Industries Ltd, Hyderabad

We were taken on an industrial visit to Prathishta Industries limited near choutuppal on 24 th November 2022. Prathishta is a leading producer of Natural, Clean Label, NON-GMO, nutraceuticals (Food Ingredients) through the fermentation process & products are licensed by FSSAI - Govt. of India along with other global certifications like " USFDA, Kosher, & Halal. This Prathishta is one of the fermentation companies manufactures pharmaceutical products. It produces gluconic acid, fermented glucose, proteinates, chelated mineral salts, etc. Their main mission is to add value to naturally available plant-based carbohydrates and proteins through fermentation technology. Their vision is to include "organic food in the lifestyle of consumers". Keeping this in mind we constantly work on a mission to supply quality organic foodstuff thereby sustaining and improving the health of consumers.

We were first given a brief about their company and different fermentation products such as Active pharmaceutical ingredients, agricultural, food industry, feed supplement/Livestock. We were taken to a glucose manufacturing unit where they produce their glucose by using different grains like maize, barley, and wheat. The finely grinded powder was taken and mixed with water, and enzymes, and they are stored in the fermentation tank for some days. During the fermentation process of these grains, we get some pulverized smell from the grain. This solution is tested for the presence of glucose by using iodine and also, we decrease the pH of the solution. Later this solution is sent for filtration separation of proteins and amino acids during this process proteins cakes are formed and further digestion is done for obtaining different amino acids.



B. Tech Biotech V Sem Students Industrial visit

We got to see the plot plant unit where different facilities mainly consisted of fermenters from 25 liters to 5000 liters capacity supported with down steam process equipment like evaporators, drying equipment, etc. Prathishta Industries is also upgrading its existing R & D facilities for quality testing of its product and they also showed different instruments they use for the analysis like HPLC, Atomic absorption spectroscopy. They also sell different products in the market some organic food products are grown with a holistic system of farming without any use of chemical fertilizers and pesticides. The food products are devoid of added preservatives, colors, and sweeteners. They also produce freshness by avoiding the use of chemicals, pesticides, and preservatives. We were also shown a baking unit where they baked their product like cakes and check for taste and for quality analysis.

They also produce different enzymes like amylase, protease, and lipase and many other enzymes, probiotic, Prebiotic, Both water-soluble vitamins (i.e., vitamins A, D, E, K) and fat-soluble vitamins (i.e, Vitamin B complex, C).

They also have a larger farming area under their certification where they tend to grow plants for raw materials for manufacturing a range of organic products. procure 3rd party certified organic farm products after stringent checks for organic standards based on the requirements.



B. Tech Biotech V Sem Students Industrial visit on 24-11-2022


I/C
HOD Biotech

A REPORT ON
INDUSTRIAL VISIT TO
FOOD CORPORATION OF INDIA

(SANATH NAGAR, HYDERABAD)



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

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

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

PROCUREMENT:

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

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

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

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

STORAGE:

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

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

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

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

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

1 fumigation tablet = 3 gms

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

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



Fig: Post- fumigation stack

QUALITY CONTROL:

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

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

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



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

MOVEMENT:

FCI undertakes movement of foodgrains in order to:

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

Movement Plan is prepared on monthly basis keeping in view:

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

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



Fig: Railway platform for wagon loading and unloading

CONCLUSION:

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

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



REPORT ON INDUSTRY VISIT TO
NATIONAL INSTITUTE OF ANIMAL
BIOTECHNOLOGY (NIAB)



SUBMITTED TO:

Dr C. OBULA REDDY
ASSISTANT PROFESSOR
BIOTECHNOLOGY DEPARTMENT
CBIT

SUBMITTED BY:

BALAJI DOOLAM
160120805044
B. TECH, BIOTECHNOLOGY
SEMESTER - VI

On **6th March 2023**, the biotechnology department of CBIT taken us (**6th Semester Biotech students**) to an **industry visit** to **NIAB**. The visit began with an orientation program at the seminar hall, where the officials explained the objectives and research activities of NIAB. During the orientation program, we were introduced to the various departments and research activities conducted at NIAB. We learned about the institute's focus on animal biotechnology, which includes research in areas such as molecular genetics, reproductive biology, vaccine development, and stem cell biology.

NIAB is a premier institute in India that focuses on research and development in animal biotechnology. The institute aims to contribute to the field of animal sciences through innovative research, technology development, and capacity building. They are also involved in various projects related to disease diagnosis, vaccine development, and genetic improvement of livestock.



Fig-1 Images of NIAB

After the orientation program, we visited several labs where we learned about various types of microscopes used in the research. The lab officials gave us detailed explanations about Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), Fluorescence Microscope, Inverted Microscope, etc. We were able to observe some samples under these microscopes and understand the working principles and applications of each microscope.

During the industry visit to NIAB, the researchers also explained how they are using cows for the production of therapeutic proteins in milk. This is a process known as biopharming or molecular farming, which involves genetically engineering cows to produce specific proteins in their milk. The proteins can then be extracted and purified for use in medicine or other applications.

The researchers explained that they are identifying the sperm that produces female calves because female cows are used for milk production. By selecting the sperm that produces female calves, they can increase the number of female cows in their herd, which in turn increases the milk production capacity.

This technique of using animals as bioreactors for protein production is gaining popularity in the biotech industry. It is a cost-effective and scalable method of producing therapeutic proteins, especially those that are difficult to produce through traditional methods. The proteins produced in milk are often of high quality and purity, and can be used for a variety of medical applications such as treating diseases, producing vaccines, and even in regenerative medicine.

The researchers at NIAB are continuously improving their techniques for biopharming, and are



Fig-2 Microtomy of a sample for making thin section

exploring the potential applications of this technology in various fields. They are also working towards ensuring that the process is safe for both the animals and the consumers, and are following strict guidelines for ethical and sustainable animal use.



Fig-3 Transmission Electron Microscope



Fig-4 Scanning Electron Microscope (SEM)



Fig-5 Some images of SEM



Fig-6 Inverted Microscope (Live Cell imaging)



Fig-7 Flow cytometer

Conclusion: Overall, the industry visit to NIAB was a great learning experience for us. We gained insights into the world of animal biotechnology and its potential applications in various sectors such as agriculture, medicine, and biotechnology. We would like to extend our gratitude to the Department of Biotechnology, CBIT, and NIAB for providing us with this opportunity to visit and learn from their expertise in animal biotechnology.



**1.3.4 Proof of B.Tech Biotechnology students
undertaking Internships for the academic
Year 2022-23**

Internship Data- Biotechnology (Academic Year 2022-23)				
SN O	Name of the Student	Roll No	Name of the Organization	Duration
1	Alekhy Pasumarthy	160121805001	Su Rasmi Innovations Pvt Ltd	10/10/2022 - 26/10/2022
2	Amatul Rahman Khadija	160121805002	Institue of genetics	10/10/2022 - 26/10/2022
3	Ananya Surabhi	160121805003	Mega poly clinic	7.10.22 to 21.10.22
4	Anshika Gupta	160121805004	Ultrafils pvt lmt	7-10-22 to 21-10-22
5	Ashrita	160121805005	Hi Life Hospitals, Miyapur	11-10-22 to 26-10-22
6	G. Priyanka	160121805012	Karimnagar	15-10-2022 to 25-10-2022
7	Golla.Vasanthi	160121805013	IOG Begumpet	10-10-2022 to 26-10-26
8	GHEpsibah Gotte	160121805014	Institute of Genetics	10-10-2022 to 26-10-2022
9	J.Kavya sri	160121805016	Sri Srinivasa Sunshine Multi-speciality Hospital	1-01-2023 to 20-01-2023
10	Kammari Harshitha	160121805019	Institute of genetics and genetic diseases	10-10-22 to 26-10-22
11	Madikunta Divyasree	160121805025	Perfomics Analytical Labs LLP	13 oct 2022 - 29 oct 2022
12	aishwarya madu	160121805026	iog(Institute of genetics)	10-10-22 to 26-10-22
13	Mahima Kalyanam	160121805027	30M Genomics pvt ltd.	11th - 24th october (2 weeks)
14	M.Rashmi	160121805028	Master's diagnostic	Dec 17-jan 15
15	MUKKA JAHNAVI	160121805029	Institute of Genetics	10/10/2022 - 26/10/2022
16	Muskan	160121805030	IOG	10.10.2022 to 26.10.2022
17	Nidhi Bhide	160121805032	Tenet Diagnostic centre,Banjara hills	06/10/2022-22/10/2022
18	Remalla priyanka	160121805037	Institute of genetics hospital for genetic diseases	10-10-22 to 26-10-22
19	Roshini Perumal	160121805038	Tenet Diagnostic centre	oct 2022- nov 2022
20	Rashmitha Thogari	160121805041	Institute of genetics	10.10.22 to 26.10.22
21	Vaishnavi Reddy G	160121805042	TSIC - Telangana State Innovation Cell	August 2022 - December 2022
22	Vempati Vaidehi Pravallika	160121805043	Central Forensic Science Laboratory	10/10/2022 to 24/10/2022

23	Vuyyuru Hasanthi	160121805045	AUROBINDO PHARMA	10/10/22 - 25/10/22
24	Advaith Roy	160121805047	Diabetomics Medical Pvt Ltd	12th October 2022- 26th October 2022
25	Dhruv Tadikonda	160121805048	Prism Crop Science Pvt. Ltd.	10/10/2022 to 24/10/2022
26	Pramodkumar	160121805049	Sri Vijaya laboratories	10/10/22 - 25/10/22
27	GILKAPALLY KOUSHIK	160121805050	Institute of Genetics and Hospital for Genetic Diseases Osmania University	10/10/2022 - 26/10/2022
28	G Sai Prashanth	160121805052	Institute of genetics hospital for genetic disorders, ameerpeth road, begumpet, hyderabad	10/10/22 to 26/10/22
29	Hanok Aditya K	160121805053	Likitha's Diagnostics	01-12-22 to 25-12-222
30	Kandimala Venkat Keerthan	160121805054	Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad	10/10/2022-26/10/2022
31	MANIKONDA RAHUL	160121805056	Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad	10/10/2022-26/10/2022
32	Shumayl sami	160121805062	Institute of genetics	10/10/2022 to 26/10/2022
33	SYED ZUBER ALI	160121805063	Institute of genetics ou Ameerpet	10-10-22 to 26-10-22
34	Toganti kranthi	160121805064	Vijaya pathlabs	21/11/22 to 17/12/22

2020-24 admit batch

	Name of the Student	Roll No	Name of the Organization	Duration
35	Adithi Reddi K.	160120805001	Duthala pharma	6/8/22-20/8/22
36	kulkarniaishwarya	160120805002	Dr. Lalpath labs	3-7-2022 to 3-8-2022
37	Alwina.G	160120805003	Vivek Laboratory	08/08/2022 - 26/08/2022
38	B.Mounika	160120805005	Bio axis DNA research centre	1/08/2022-15/08/2022
39	Bodika Shynisha	160120805006	Chaitanya Bharathi Institute of Technology	2-11-2022 to 28-11-2022
40	Chaitra Gali	160120805007	Dr. LalPath labs	3rd august 2022-3rd September 2022
41	Chunduru Sai Hari	160120805008	30M Genomics	05.08.2022 to 20.08.2022
42	Hara Sudheshna	160120805008	30M Genomics	05.08.2022 to 20.08.2022

43	Divya Prema Suroju	160120805009	Vegen therapeutics pvt Ltd	06/08/2022-20/08/2022
44	shaik fouzia rafath	160120805010	Tulasi biotechnology research laboratory	17th august to 27th august 2022
45	Hamsini Katla	160120805012	Bio axis Dna research centre	2 weeks
46	Jyothika Meenakshi Kambhampati	160120805013	30M Genomics	5.08.22 - 20.08.22
47	Kolluru Naga Venkata Sujatha	160120805016	BioAxis DNA Research Centre	16/5/2022 to 30/5/2022
48	Neha Reddy Marapalli	160120805017	BioAxis DNA Research Centre	8/8/22-21/8/22
49	Balla Reena Pravallika	160120805018	Bio Axis DNA Research Centre	Aug 1st to Aug 15th
50	Valluru Saileela Sirisha	160120805019	Prism crop sciences private limited	05/08/2022 to 22/08/2022
51	Sai Shriya Y	160120805020	Lucid Medical Diagnostics Pvt.Ltd	3/09/2022 to 2/10/2022 (only weekends)
52	Sanjana Reddy	160120805021	Duthala Pharma	06/08 - 20/08
53	Sathvika kuruvella	160120805022	Annora Pharma	
54	Sharvani Pokala	160120805023	Prism crop science private limited	5 Aug 2022 to 22 Aug 2022
55	Shivani Reddy Kappati	160120805024	Bioaxis DNA Research Center	8/8/22 - 21/8/22
56	Shreenija Peri	160120805026	Bioaxis DNA research centre	1/8/22- 15/8/22
57	Banalla Shreya	160120805027	VeGen therapeutics pvt.ltd	06/08/22 to 20/08/22
58	Shriya Reddy Patlolla	160120805028	BioAxis DNA Research Centre	8/8/2022 to 21/8/2022
59	Soumya Mandala	160120805031	JANA VIKAS RURAL DEVELOPMENT SOCIETY	05-08-2022 to 25-08-2022
60	Spoorthi sada	160120805032	Indian Institute of Technology Hyderabad(IITH)	3/08/2022-30/08/2022
61	Neelam Sravani	160120805033	Qstatix Educational and Research Center	06/08/2022 - 26/08/2022
62	V Sri Varsha	160120805034	Duthala pharma	06/08 - 20/08
63	Tanmayi Boreda	160120805035	Duthala Pharma	6-8-2022 to 20-08-2022
64	Syeda Umamah Fatima	160120805036	BioAxis DNA Research Centre	1/8/2022 to 15/8/2022
65	V Shreya Sharma	160120805037	Center for DNA Fingerprinting and Diagnostics, Uppal	3rd August 2022 - 28th September 2022
66	Lakavath vennela	160120805038	Chaitanya Bharathi Institute of Technology	22/08/22 to 12/11/22
67	Gaddam Akash	160120805039	Lazuline biotech private limited	08-08-2022 to 22-08-2022

68	Alloju Abhishek	160120805040	Lazuline biotech private limited	08/08/2022 to 20/08/2022
69	Aniruddha Sreeram Bobbili	160120805041	Lazuline Biotech Private Limited	08-08-2022 - 20-08-2022
70	R.Ashish raj	160120805042	Amma labs	10/08/22-20/08/22
71	Badhe. Nitin Ratnam	160120805043	VeGen therapeutics pvt ltd	6/08/2022-28/08/22
72	Balaji Doolam	160120805044	Dr Lal PathLabs	03/08/2022 - 03/09/2022
73	T.Bhanu Prakash	160120805045	Annora Pharma pvt ltd	
74	Divyamshu Surabhi	160120805048	University of Hyderabad	08/08/2022 - 22/08/2022
75	TADISETTI GOURAV	160120805049	Duthala pharma	06/08/22-- 20/08/22
76	Pole Harish	160120805050	CBIT HYD	08-08-2022- 20-08-2022
77	K.chetan Babu	160120805052	Vegen therapeutics pvt ltd	6/09/2022 - 20/09/2022
78	K.chetan Babu	160120805052	Vegen therapeutics pvt Ltd	06/08/2022-20/08/2022
79	M Vikki Kumar	160120805053	CBIT	08-08-2022 to 22-08-2022
80	N Rakesh Reddy	160120805055	Dr LALPATH	
81	K Sai Chandra varna	160120805056	Ichor biologics	05/08/2022-20/08/2022
82	Sai Prathibh	160120805057	Yes labs	5/8/22 - 28/8/22 (2 weeks)
83	Samanth Chinthakindi	160120805058	JNCASR, Bengaluru	Aug 8th to Oct 8th (2022)
84	K Yashasvi	160120805060	Duthala pharmacy	6-08-2022 to 20-08-2022

2019-23 admit batch

85	Bhavya Thanda	160119805004	Yuva biotech	1july 2022 - 31july 2022
86	M.Deekshitha	160119805006	Bioworld	23th June to 8th August 2022
87	Kavya donga	160119805008	JNTU	27 june-23 July 2022
88	M.Lahari	160119805011	Bioworld	23th June to 8th August 2022
89	Mahitha pyla	160119805012	CuraTEQ biologics	23-06-2022 to 7-08-2022
90	Manishareddy gavini	160119805013	Bioworld	June 23-july 30
91	Shekhar Ravalika	160119805017	Bioworld	23th June to 8th August 2022
92	M. Sai Sahithi	160119805021	Bioworld Technologies	23th June to 8th August 2022
93	Samhitha Cheruku	160119805022	Bioworld	23th June to 8th August 2022
94	SANJANA KANKIPATI	160119805023	CuraTeq Biologics	23rd june-07th august 2022
95	Hazari shivani	160119805026	Bio world	23th June to 8th August 2022
96	Shivanmitha Gudipati	160119805027	NFTDC	23rd June 2022 to 8th August
97	Vaishnavi Mokkapati	160119805033	Nuclear fuel complex	23rd June 2022 to 8th August
98	Varshini Upputerla	160119805036	Bioworld	23rd June 2022 to 8th August

Date: 10-09-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Kandimala Venkat Keerthan** has completed Internship program on “Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease” from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.



CHAIRMAN

LIKHITHA'S Diagnostics-Speciality Lab
(Unit of Pragathi Health Care Pvt. Ltd.)
H.No.13-3-12/A, Hanuman Nagar
Beside Pranavitha Hospitals,
Dilsukhnagar, Hyderabad-500 060. (T.C.)
Ph: 24051777, 24042832, 24182100



L&T-TS HR/99011534

19 September 2023

Ms.Vempati Vaidehi Pravallika

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : 99011534
INTERNSHIP START DATE : 3 August 2023
INTERNSHIP END DATE : 11 September 2023
LOCATION : Hyderabad

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance



ALCHEMECO PHARMA PVT LTD

Date 16/05/2023

TO WHOM IT MAY CONCERN

This is to certify that Mr Guguloth Bhaskar (Roll No 160121805051), student of B.Tech(Biotechnology), Chaitanya Bharathi Institute of Technology located at Gandipet,Hyderabad,Telangana was provided training in Organic synthesis area in Pilot plant operation exposed on GLR reactors, Autoclaves, Centrifugation, Tray dryer, Rotary vapor and Small molecules synthesis technique like TLC(Thin layer chromatography), Column Chromatography, filtration, distillation, purification of compound, Under the supervision and guidance of Dr.Ravinder Reddy. The period worked from 29th May 2023 to 16th June 2023 (3 weeks) as part of their internship.

We wish him every success in life.

Dr. Ravinder Reddy
(Managing Director)





BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Grace Hepsibah Gotte (Roll.No.160121805014) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.




Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Ashrita Kottakota (Roll.No. 160121805005) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



Ashrita Kottakota

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

Phone: Off: +91-40-23156129
Mobile : : 9849028367
E Mail: archana.giri@jntuh.ac.in
hoslcbt@jntuh.ac.in



CENTRE FOR BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING, SCIENCE AND TECHNOLOGY HYDERABAD
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Govt. Act No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Telangana State (India)

Dr. ARCHANA GIRI, Ph.D
Professor & Head

DATE:-16-09-2023

CERTIFICATE OF TRAINING

This is to certify that Ms.J.Kavya sri, from Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, has participated in Internship program on "Effect of Quercetin on staphylococcus aureus" from 29.05.23 to 12.06.2023 (90hours) at laboratory of Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally, Hyderabad, Telangana, 500085.

Archanagiri

HEAD OF DEPARTMENT

Centre for Biotechnology
University College of Engg. Science & Technology,
J.N.T University Hyderabad
Kukatpally, Hyderabad - 85, Telangana State.



ALCHEMECO PHARMA PVT LTD

Date 16/06/2023

TO WHOM IT MAY CONCERN

This is to certify that **Ms Muskan** (Roll No 160121805030), student of B.Tech(Biotechnology), Chaitanya Bharathi Institute of Technology located at Gandipet,Hyderabad,Telangana was provided training in Organic synthesis area in Pilot plant operation exposed on GLR reactors, Autoclaves, Centrifugation, Tray dryer, Rotary vapor and Small molecules synthesis technique like TLC(Thin layer chromatography), Column Chromatography, filtration, distillation, purification of compound, Under the supervision and guidance of Dr.Ravinder Reddy. The period worked from 29th May 2023 to 16th June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

Dr. Ravinder Reddy

(Managing Director)



Date: 10-09-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Gilkapally Koushik** has completed Internship program on “**Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease**” from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.


CHAIRMAN

LIKHITHA'S Diagnostics-Speciality Lab.
(Unit of Pragmasree Health Care Pvt. Ltd.)
H.No.13-3-12/A, Hanuman Nagar,
Beside Pranahitha Hospitals,
Dilsukhnagar, Hyderabad-500 060. (T.S)
Ph: 24051777, 24042832, 24182100



Quality is in the DNA

Date: 10-09-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Guthikonda Sai Prashanth** has completed Internship program on **“Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease”** from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.



CHAIRMAN

LIKHITHA'S Diagnostics-Speciality Lab
Unit of Pragashree Health Care Pvt. Ltd.
H.No.13-3-12/A, Hanuman Nagar
Beside Pranahitha Hospitals,
Dilsukhnagar, Hyderabad-500 060. (T.S.)
Ph: 24051777, 24042832, 24182100





COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years



CERTIFICATE OF MERIT

This is to certify that Mr. / Ms. Jella Rithika....., Roll No. 160121805018.....

Student of Chaitanya Bharathi Institute of Technology..... has
successfully completed with A+/A/B+/B grade in the one-month Summer Internship Programme (SIP) on "Python,
Image Processing using OpenCV and Innovative Projects" from 19th June to 14th July 2023 at Chaitanya Bharathi
Institute of Technology (A), Hyderabad organized by Department of Mechanical Engineering with the association of
AICTE-IDEA LAB.

[Signature]
Dr. Kiran Kumar Amireddy
Coordinator

[Signature]
Dr. P. Prabhakar Reddy
Head, MED

[Signature]
Dr. U.K Choudhury
Technical Advisor

[Signature]
Dr. C.V. Narasimhulu
Principal

Date: 10-09-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Manikonda Rahul** has completed Internship program on "Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease" from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.



CHAIRMAN

LIKHITHA'S Diagnostics-Speciality Lab
(Unit of Pragathi Health Care Pvt. Ltd.)
H.No.13-3-12/A, Hanuman Nagar
Beside Pranathina Hospitals,
Dilsukhnagar, Hyderabad-500 080. (T.E.)
Ph: 24051777, 24042832, 24182100





BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. M.Aishwarya (Roll.No. 160121805026) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

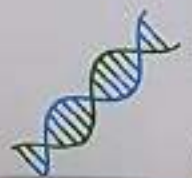
Date: 10-09-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Polamraju Venkata Kasyap** has completed Internship program on **“Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease”** from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnosics and Speciality Labs, Dilsukhnagar, Hyderabad.


CHAIRMAN

LIKHITHA'S Diagnosics-Speciality Lab
(Unit of Pragashree Health Care Pvt. Ltd.)
H.No.13-3-12/A, Hanuman Nagar,
Beside Prananiha Hospitals,
Dilsukhnagar, Hyderabad-500 060. (T.E.
24051777, 24042832, 24182100)





08th Sep 2023

CERTIFICATE

This is to certify that the project entitled "PRODUCTION OF BIOSIMILARS" was carried out by ALEKHYA PASUMARTHY at CURATEQ BIOLOGICS, HYDERABAD under the guidance of Dr. SRILALITHA KURUGANTI from 28th Aug 2023 to 8th Sep 2023.

During this period, Ms. ALEKHYA PASUMARTHY 's understanding on the subject was found satisfactory. She was sincere at her work and had taken initiative in collecting and presenting her work to the organization. We wish her the very best for her future endeavours.


Nobby Paul - DGM

Human Resources

CuraTeQ Biologics Pvt Ltd.





✉ www.rikitech.com

📍 Plot No.39 1st Floor Lavanya Arcade
Jayabheri Enclave Gachibowli
Hyderabad-500032
Rangareddy Telangana India

Date: 08/09/2023

TO WHOM IT MAY CONCERN

This is to certify that Ms. Hasanthi Vuyyuru, student of Chaitanya Bharathi Institute of Technology has successfully completed a 2-week internship in the field of Analytical Chemistry from 28th August 2023 to 8th September 2023 under the guidance of Dr. Naveen Kumar Kottakki.

During the period of her internship program with us, she had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish her every success in her life and career.


RIKI TECH SOLUTIONS
Authorized signature



BASAVATARAKAM INDO-AMERICAN CANCER HOSPITAL & RESEARCH INSTITUTE

Promoted by Smt. Nandamuri Basavtaraka Rajasau Memorial Cancer Foundation
& Indo-American Cancer Organisation

Road No 10, Banjara Hills, Hyderabad 500034, India

Phones : 91-40-2355 1235/2360 7944, Fax : 91-40-2354 2120

E-Mail : info@induscancer.com www.induscancer.com



Date: 09.09.2023

CERTIFICATE OF TRAINING

This is to certify that **GRANDHI MANOGNADEVI** (Roll No 160121805015), student of B.Tech(Biotechnology), Chaitanya Bharathi institute of Technology located at Gandipet, Hyderabad was provided training in "**TECHNIQUES OF MICROBIOLOGY, SEROLOGY, BIOCHEMISTRY, PATHOLOGY FOR DIAGNOSIS AND TREATMENT OF CANCER AND ASSOCIATED INFECTIONS**" as part of their internship under the supervision and guidance of Dr. Sanjay Bagade, Dr. Radha Rani and Dr. K. Suseela. The Duration of internship is from **28th August 2023 to 09th September 2023** (2 weeks).

We wish her every success in life.

Dr. Sanjay Bagade
HOD Biochemistry
BIACH & RI

Dr. Sanjay Bagade
M.D. (Biochemistry)
Sr. Consultant & Head of the Department (Biochemistry)
Basavatarakam Indo-American
Cancer Hospital & Research Institute
Road No. 10, Banjara Hills,
Hyderabad, Telangana - 500034.

Dr. Radha Rani
HOD Microbiology
BIACH & RI

Dr. RADHA RANI M.D (Microbiology)
HOD Microbiology & Infection Control Officer
Basavatarakam Indo-American
Cancer Hospital & Research Institute,
Road No. 10, Banjara Hills,
Hyderabad - 500 034.

Dr. K Suseela
HOD Pathology
BIACH & RI

Dr. K. SUSEELA
M.D., FRCR
Fellowship in Cytopathology
Sr. Consultant and
HOD-Pathology & Clinical Trials Dept.
Basavatarakam Indo-American
Cancer Hospital And Research Institute
Road No. 10, Banjara Hills,
Hyderabad, Telangana - 500 034.



INTERNSHIP CERTIFICATE

This certificate has been awarded to Mr. Pramod Kumar.E. (Roll.No. 160121805049) from B.Tech Biotechnology, Chaitanya Barathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of ' Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

Phone: Off: +91-40-23156129
Mobile : : 9849028367
E-Mail: archana@jntuh.ac.in
hod@jntuh.ac.in



ACCREDITED BY NAAC



A-GRADE

CENTRE FOR BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING, SCIENCE AND TECHNOLOGY HYDERABAD
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana State (India)

Dr. ARCHANA GIRI, Ph.D

Professor & Head

DATE:-16-09-2023

CERTIFICATE OF TRAINING

This is to certify that **Ms. Danne Shamitha**, from Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, has participated in Internship program on "Effect of Quercetin on staphylococcus aureus" from 29.05.23 to 12.06.2023 (90hours) at laboratory of Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally, Hyderabad, Telangana, 500085.

Archanah
HEAD OF DEPARTMENT

HEAD
Centre for Biotechnology
University College of Engg. Science & Technology,
J.N.T. University Hyderabad
Kukatpally, Hyderabad - 85, Telangana State

Date: 10-09-2023

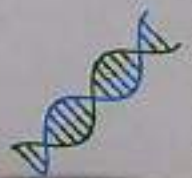
TO WHOM IT MAY CONCERN

This is to certify that **Mr. Savarkar Shiva Prasad** has completed Internship program on **“Techniques of Microbiology, Serology, Haematology, Biochemistry, Pathology and Radiology to Analyze Various Parameters Causing a Disease”** from 27-08-2023 to 10-09-2023 for 90 hours at Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.



CHAIRMAN

LIKHITHA'S Diagnostics-Speciality Lab
Unit of Pragathi Health Care Pvt. Ltd.
H.No.13-3-12/A, Hanuman Nagar
Beside Pranahitha Hospitals,
Dilsukhnagar, Hyderabad-500 060, (T.S.)
Ph: 24051777 24042832 24182100



BASAVATARAKAM INDO-AMERICAN CANCER HOSPITAL & RESEARCH INSTITUTE

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Road No 10, Banjara Hills, Hyderabad 500034, India

Phones : 91-40-2355 1235/2360 7944, Fax : 91-40-2354 2120

E-Mail : info@induscancer.com www.induscancer.com



Date: 09.09.2023

CERTIFICATE OF TRAINING

This is to certify that N PRASHANTHI (Roll No 160121805031), student of B.Tech(Biotechnology), Chaitanya Bharathi institute of Technology located at Gandipet,Hyderabad was provided training in "TECHNIQUES OF MICROBIOLOGY, SEROLOGY, BIOCHEMISTRY, PATHOLOGY FOR DIAGNOSIS AND TREATMENT OF CANCER AND ASSOCIATED INFECTIONS" as part of their internship under the supervision and guidance of Dr. Sanjay Bagade, Dr. Radha Rani and Dr. K Suseela. The Duration of internship is from 28th August 2023 to 09th September 2023 (2 weeks).

We wish her every success in life.

Dr. Sanjay Bagade
HOD Biochemistry
BIACH & RI

Dr. Sanjay Bagade
M.D. (Biochemistry)
Senior Lecturer & Head of the Department (Biochemistry)
Basavatarakam Indo-American
Cancer Hospital & Research Institute
Road No. 10, Banjara Hills,
Hyderabad, Telangana - 500034.

Dr. Radha Rani
HOD Microbiology
BIACH & RI

Dr. RADHA RANI
HOD Microbiology
Basavatarakam Indo-American
Cancer Hospital & Research Institute,
Road No. 10, Banjara Hills,
Hyderabad - 500 034.

Dr. K Suseela
HOD Pathology
BIACH & RI

Dr. K.SUSEELA
M.D., PDCR
Fellowship in Cytopathology
Sr. Consultant and
HOD-Pathology & Clinical Trials Dept.
Basavatarakam Indo-American
Cancer Hospital And Research Institute
Road No.10, Banjara Hills,
Hyderabad, Telangana - 500 034.

September 16, 2023

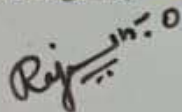
To Whomsoever It May Concern

This is to certify that Mr. Dhruv Tadikonda studying second year Bachelor of Technology in Biotechnology at Chaitanya Bharathi Institute of Technology (Affiliated to Osmania University), Hyderabad completed his 90 hours of the internship program from 28/08/2023 to 09/09/2023 at Indo-American Cancer Research Foundation (IACRF), Basavatarakam Indo-American Cancer Hospital and Research Institute, Hyderabad, Telangana, India. During his stay he trained in Basic Molecular Biology techniques (DNA and RNA isolation from biological samples, Nanodrop, Agarose gel electrophoresis and PCR) and Basic cell culture (Cancer cell lines) techniques.

Mr. Dhruv Tadikonda is very good learner and he has excellent research aptitude. He exhibits excellent character and conduct.

We wish him all the best for all his future endeavors.

For Indo American Cancer Research Foundation
Best Regards,



Authorised Signatory

Rajath Othayoth, Ph.D.

Scientist, Research and Development,

Indo-American Cancer Research Foundation (IACRF),

Basavatarakam Indo-American Cancer Hospital and Research Institute,

Road No. 10, Banjara Hills, Hyderabad, Telangana, India-500034.



Dr. R.V. Prabhakara Rao,

Chief Executive Officer,

Basavatarakam Indo-American Cancer Hospital and Research Institute,

Road No. 10, Banjara Hills, Hyderabad, Telangana, India-500034.

Indo-American Cancer Research Foundation
Road No. 10, Banjara Hills,
Hyderabad - 500 034.
Telangana State, India.





BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Golla Vasanthi (Roll.No. 160121805013) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

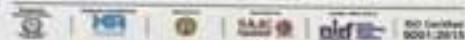
Scientist

Bioworld Research Technologies



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

Kotabattur(VRajpet), Gandipet, Hyderabad, Telangana 500075, www.cbil.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years



CERTIFICATE OF MERIT

This is to certify that Mr./ Ms. Dendi Meghana, Roll No. 160121805010
Student of Chaitanya Bharathi Institute of Technology has
successfully completed with A+/A/B+/B grade in the one-month Summer Internship Programme (SIP) on "Python,
Image Processing using OpenCV and Innovative Projects" from 19th June to 14th July 2023 at Chaitanya Bharathi
Institute of Technology (A), Hyderabad organized by Department of Mechanical Engineering with the association of
AICTE-IDEA LAB.


Dr. Kiran Kumar Amireddy
Coordinator


Dr. P. Prabhakar Reddy
Head, MED


Dr. U.K Choudhury
Technical Advisor


Dr. C.V. Narasimulu
Principal



✉ www.rikitech.com

📍 Plot No.39 1st Floor Lavanya Arcade
Jayabheri Enclave Gachibowli
Hyderabad-500032
Rangareddy Telangana India

Date: 08/09/2023

TO WHOM IT MAY CONCERN

This is to certify that Ms. Mahima Kalyanam, student of Chaitanya Bharathi Institute of Technology has successfully completed a 2 - week internship in the field of Analytical Chemistry from 28th August 2023 to 8th September 2023 under the guidance of Dr. Naveen Kumar Kottakki.

During the period of her internship program with us, she had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish her every success in her life and career.

A handwritten signature in blue ink, appearing to read 'K. Naveen Kumar'.

RIKI TECH SOLUTIONS

Authorized signature



Phone: Off: +91-40-23156129
Mobile : : 9849028367
E-Mail: archanagiri@jntuh.ac.in
headcb@jntuh.ac.in



CENTRE FOR BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING, SCIENCE AND TECHNOLOGY HYDERABAD
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana State (India)

Dr. ARCHANA GIRI, Ph.D
Professor & Head

DATE:-16-09-2023

CERTIFICATE OF TRAINING

This is to certify that **Ms.Gadda Thabitha**, from Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, has participated in Internship program on "Effect of Quercetin on staphylococcus aureus" from 29.05.23 to 12.06.2023 (90hours) at laboratory of Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally, Hyderabad, Telangana, 500085.

Archanah
HEAD OF DEPARTMENT

HEAD
Centre for Biotechnology
University College of Engg. Science & Technology,
J.N.T University Hyderabad
Kukatpally, Hyderabad - 85, Telangana State



BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Kammari Harshita (Roll.No. 160121805019) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



Dr. A. Rajyalakshmi

Dr. A. RAJYALAKSHMI


Scientist

Bioworld Research Technologies

CERTIFICATE OF MERIT

This is to certify that Mr. / Ms. Makka Jahnvi..... Roll No. 160121805029.....

Student of CBIT.....has
successfully completed with A+/A/B+/B grade in the one-month Summer Internship Programme (SIP) on "Python,
Image Processing using OpenCV and Innovative Projects" from 19th June to 14th July 2023 at Chaityanya Bharathi
Institute of Technology (A), Hyderabad organized by Department of Mechanical Engineering with the association of
AICTE-IDEA LAB.


Dr. Kiran Kumar Annireddy
Coordinator


Dr. P. Prabhakar Reddy
Head, MEED


Dr. U.K. Choudhury
Technical Advisor


Dr. C.V. Narasimulu
Principal



CMR HOSPITAL

(Sponsored by CMR Technical Education Society)

Date: 12/06/2023

INTERNSHIP CERTIFICATE

This is to certify that Miss. RASHMITHA THOGARI, has participated in Internship on Clinical Biochemistry involving General Principles and estimation of Biochemical Parameters using Spectrophotometric and Immunoassay methods and has been introduced to D10 (HPLC) Analyser, urine metabolic profile and fluid analysis. She was provided training in Microscopy, Bacteriology, Parasitology and Molecular Biology methods using RTPCR from 27.05.2023 to 11.06.2023 at CMR Institute of Medical Sciences & Hospital, Kandlakoya, Medchal Road, Hyderabad.


12/6/23

Lab Incharge, Associate Professor
Department of Microbiology

DEPT. OF MICROBIOLOGY
CMR Institute of Medical Sciences
Kandlakoya, Medchal Road,
Hyderabad, Telangana-501401


12/6/23

Professor & Dean

Dean
CMR Institute of Medical Sciences
Kandlakoya, Medchal Road,
Hyderabad, Telangana-501401



BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Vaishnavi Yakkanti (Roll.No. 160121805046) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



ALCHEMECO PHARMA PVT LTD

Date 16/06/2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr MD Rahmanuddin** (Roll No 160121805057), student of B.Tech(Biotechnology), Chaitanya Bharathi Institute of Technology located at Gandipet, Hyderabad, Telangana was provided training in Organic synthesis area in Pilot plant operation exposed on GLR reactors, Autoclaves, Centrifugation, Tray dryer, Rotary vapor and Small molecules synthesis technique like TLC (Thin layer chromatography), Column Chromatography, filtration, distillation, purification of compound, Under the supervision and guidance of **Dr. Ravinder Reddy**. The period worked from 29th May 2023 to 16th June 2023 (3 weeks) as part of their internship.

We wish him every success in life.


Dr. Ravinder Reddy
(Managing Director)





HETERO LABS LIMITED

(UNIT-III E.O.U)

"Hetero Corporate", 7-2-A2, Industrial Estates, Sanath Nagar, Hyderabad - 500 018, Telangana, INDIA,
Tel : 91-40-23704923/24/25, Fax : 91-40-23704926, 23714250
e-mail : contact@heterodrugs.com URL : http://www.heterodrugs.com
CIN : U24110TG1989PLC009723

Date: 05-08-2023

TRAINING CERTIFICATE

This is to certify that Ms. Bikkumalla Shruti (Reg. No: 160121805006) Student of B. Tech (Bio Technology) from Chaitanya Bharathi Institute of Technology (A) Kokapet has under gone industrial training in our plant from 01.06.2023 to 16.06.2023 as part of Curriculum. During training period, she has covered "Quality Control – Micro Biology Department".

We found her sincere and hardworking during the project period. We wish her all the best in future career.



HR
For HETERO LABS LIMITED,
FORMULATIONS, UNIT-III

Cc: Dr G. Palleswar Rao
Director
Formulation Operations



BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Ms. Remalla Priyanka (Roll.No. 160121805037) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



ALCHEMECO PHARMA PVT LTD

Date 16/06/2023

TO WHOM IT MAY CONCERN

This is to certify that **Ms Jangala Haripryia** (Roll No 160121805017), student of B.Tech(Biotechnology), Chaitanya Bharathi Institute of Technology located at Gandipet,Hyderabad,Telangana was provided training in Organic synthesis area in Pilot plant operation exposed on GLR reactors, Autoclaves, Centrifugation, Tray dryer, Rotary vapor and Small molecules synthesis technique like TLC(Thin layer chromatography), Column Chromatography, filtration, distillation, purification of compound, Under the supervision and guidance of Dr.Ravinder Reddy. The period worked from 29th May 2023 to 16th June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

Dr. Ravinder Reddy

(Managing Director)



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E-Mail : info@induscancer.com www.induscancer.com

BASAVATARAKAM



INDO-AMERICAN
CANCER HOSPITAL & RESEARCH INSTITUTE

Date: 09.09.2023

CERTIFICATE OF TRAINING

This is to certify that **KEERTHANA NALLA** (Roll No 160121805021), student of B.Tech(Biotechnology), Chaitanya Bharathi institute of Technology located at Gandipet,Hyderabad was provided training in "TECHNIQUES OF MICROBIOLOGY, SEROLOGY, BIOCHEMISTRY, PATHOLOGY FOR DIAGNOSIS AND TREATMENT OF CANCER AND ASSOCIATED INFECTIONS" as part of their internship under the supervision and guidance of Dr. Sanjay Bagade, Dr. Radha Rani and Dr. K Suseela. The Duration of internship is from 28th August 2023 to 09th September 2023 (2 weeks).

We wish her every success in life.

Dr. Sanjay Bagade
HOD Biochemistry
BIACH & RI

Dr. Sanjay Bagade
Senior Staff Biochemist
Senior Consultant Head of the Department of Biochemistry
Basavatarakam Indo-American
Cancer Hospital & Research Institute
Road No. 10, Banjara Hills,
Hyderabad, Telangana - 500034

Dr. Radha Rani
HOD Microbiology
BIACH & RI

Dr. RADHA RANI M.D (Microbiology)
HOD Microbiology & Chief Infection Control Officer
Basavatarakam Indo-American
Cancer Hospital & Research Institute,
Road No. 10, Banjara Hills,
Hyderabad - 500 034.

Dr. K Suseela
HOD Pathology
BIACH & RI

Dr. K.SUSEELA
MD, PDCC
Fellowship in Cytopathology
Sr. Consultant and
HOD-Pathology & Clinical Trials Dept.
Basavatarakam Indo-American
Cancer Hospital And Research Institute
Road No.10, Banjara Hills,
Hyderabad, Telangana - 500 034.



INTERNSHIP CERTIFICATE

This certificate has been awarded to Mr. Sai Sundar Kunam (Roll.No. 160121805055) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



ALCHEMECO PHARMA PVT LTD

Date 16/06/2023

TO WHOM IT MAY CONCERN

This is to certify that **Ms Vislavath Sneha** (Roll No 160121805044), student of B.Tech(Biotechnology), Chaitanya Bharathi Institute of Technology located at Gandipet,Hyderabad,Telangana was provided training in Organic synthesis area in Pilot plant operation exposed on GLR reactors, Autoclaves, Centrifugation, Tray dryer, Rotary vapor and Small molecules synthesis technique like TLC(Thin layer chromatography), Column Chromatography, filtration, distillation, purification of compound, Under the supervision and guidance of Dr.Ravinder Reddy. The period worked from 29th May 2023 to 16th June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

Dr. Ravinder Reddy

(Managing Director)





BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Mr. Regoti SaiRam (Roll.No. 160121805060) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



Dr. A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

BASAVATARAKAM INDO-AMERICAN CANCER HOSPITAL & RESEARCH INSTITUTE

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Phones : 91-40-2355 1235/2360 7944, Fax : 91-40-2354 2120
E-Mail : info@induscancer.com www.induscancer.com



Date: 09.09.2023

CERTIFICATE OF TRAINING

This is to certify that **KANUGANTI AKHILA** (Roll No 160121805020), student of B.Tech(Biotechnology), Chaitanya Bharathi institute of Technology located at Gandipet, Hyderabad was provided training in "TECHNIQUES OF MICROBIOLOGY, SEROLOGY, BIOCHEMISTRY, PATHOLOGY FOR DIAGNOSIS AND TREATMENT OF CANCER AND ASSOCIATED INFECTIONS" as part of their internship under the supervision and guidance of Dr. Sanjay Bagade, Dr. Radha Rani and Dr. K Suseela. The Duration of internship is from 28th August 2023 to 09th September 2023 (2 weeks) .

We wish her every success in life.

Dr. Sanjay Bagade
HOD Biochemistry
BIACH & RI

Dr. Sanjay Bagade
M.D., MD (Biochemistry)
Senior Consultant & Head of the Department (Biochemistry)
Basavatarakam Indo-American
Cancer Hospital & Research Institute
Road No. 10, Banjara Hills,
Hyderabad, Telangana - 500034.

Dr. Radha Rani
HOD Microbiology
BIACH & RI

Dr. RADHA RANI M.D (Microbiology)
HOD Microbiology & Chief Infection Control Officer
Basavatarakam Indo-American
Cancer Hospital & Research Institute,
Road No. 10, Banjara Hills,
Hyderabad - 500034.

Dr. K Suseela
HOD Pathology
BIACH & RI

Dr. K. SUSEELA
M.D, FRCR
Fellowship in Cytopathology
Sr. Consultant and
HOD-Pathology & Clinical Trials Dept.
Basavatarakam Indo-American
Cancer Hospital And Research Institute
Road No.10, Banjara Hills,
Hyderabad, Telangana - 500 034.



BIOWORLD RESEARCH TECHNOLOGIES

INTERNSHIP CERTIFICATE

This certificate has been awarded to Mr. T. Kranthi (Roll.No. 160121805064) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at Innovare Labs Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 28th August 2023 to 11th September 2023 under our expert guidance and supervision.



A. Rajyalakshmi

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

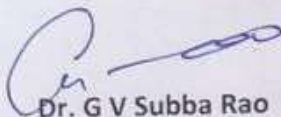


SPANSULES
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Date: 13.09.2023

TRAINING CERTIFICATE

This is to certify that Ms. SHREYA TATI (Roll No.1601-21-805-039) student of B. Tech (Biotechnology), Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana has underwent overall training in our "Research And Development Centre comprising FRD, Corporate QA and RA", under the supervision and guidance of Mr. Sudhakar-Manager R&D Division, Hydernagar, Hyderabad from 28.08.2023 to 09.09.2023 as part of their industrial internship.



Dr. G V Subba Rao

DIRECTOR, R&D Division,
Hyderabad



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Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that Ms. T. Rashmitha has participated in Internship program on "Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases" from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR

Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.

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CERTIFICATE OF INTERNSHIP

This is certify that **MEDISETTY RASHMI**, a student of Chaitanya Bharathi Institute of Technology, gandipet, hyderabad. Worked under my guidance from 17 December 2023 to 15 January 2023 in **MASTER DIAGNOSTICS** Sitafal Mandi At work, she had proven satisfactory results and dependable. This is to certify also that she has successfully completed the internship We wish her all the best for the future endeavours



14/1/2023

MASTER DIAGNOSTICS

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Seven Hills Munny Swamy Arcade
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Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Mr. Guthikonda Sai Prashanth** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.


DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 50.

TENET DIAGNOSTIC CENTRE

Sagar Society, Road No 2, Banjara Hills, Hyderabad - 500034 (Sri Nagar Colony, Beside New Rainbow Childrens Hospital)

DATE: 30th OCTOBER 2022

To Whom it may concern

This is to certify that (~~Mr~~/Ms) Roshini Perumal, student of CHAITANYA BHARATHI INSTITUTE OF TECH, has successfully completed his/her internship in the month of October - 2022

Under the guidance of DR. SANDEEP JUVVADI.

During the period of his/her internship program with us, he/she has been exposed to different processes and was found diligent, inquisitive and hardworking.

Authorised Signature

for *Sandeep*

Dr. Sandeep. J
MD, Radio Diagnosis
Radiologist, Reg No. 47337
TENET DIAGNOSTICS, BANJARA HILLS

TENET DIAGNOSTIC CENTRE

Sagar Society, Road No 2, Banjara Hills, Hyderabad - 500034 (Sri Nagar Colony, Beside New Rainbow Childrens Hospital)

DATE: 30TH OCTOBER 2022

To Whom it may concern

This is to certify that (~~Mr~~/Ms) NIDHI BHIDE
, student of CHAITANYA BHARATHI INSTITUTE OF TECH., has
successfully completed his/~~her~~ internship in the month of
October -

Under the guidance of DR. SANDEEP. JUVVADI.

During the period of ~~his~~/her internship program with us, ~~he~~/she
has been exposed to different processes and was found
diligent, inquisitive and hardworking.

For: **Authorised Signature**
Sandeep

Dr. Sandeep. J
MD, Radio Diagnosis
Radiologist, Reg No. 47337
TENET DIAGNOSTICS, BANJARA HILLS



Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that Ms. Mukka Jahnvi has participated in Internship program on "Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases" from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

Chiranjyoti
DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.

January 06, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms VUYYURU HASANTHI, bearing Roll No:160121805045, a second year B Tech Biotechnology student of CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, has successfully completed her internship at our organization for a period of 2 weeks from 10/10/2022 To 25/10/2022.

During the period of her internship program with us, she has been exposed to different processes and was found to be diligent, inquisitive, and hardworking.

We wish her all the success in future endeavours.

For Aurobindo Pharma Limited, Unit-VIII,



Authorized Signatory

AUROBINDO PHARMA LTD

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PAN No. AABCA7366H

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Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Remalla Priyanka** has participated in Internship program on “Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Mr. Guthikonda Sai Prashanth** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.


DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 50.



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INTERNSHIP CERTIFICATE

This is to certify that **Mr. Dhruv Tadikonda**, 2nd Year Biotechnology, a student of the Chaitanya Bharathi Institute of Technology (CBIT), Department of Biotechnology, Hyderabad, Telangana- 500 075 has successfully undergone 11 days Internship Program at **Prism Crop Science Private Limited** from **11th October 2022 to 22th October 2022**. During the above period, he has observed certain procedures of laboratory chemical analysis and general Good Laboratory Practices.

The student has evinced keen interest in acquainting himself with various procedures.

Date:


(**Ch. Pradeep Reddy**)
General Manager



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967 531 9999

967 532 9999



hilifehospitals@gmail.com



www.hilifehospitals.com

Date: 29th October 2022

INTERNSHIP CERTIFICATE

This is certify that Miss **Ashrita Kottakota** from **Chaitanya Bharathi Institute of Technology**, Gandipet, HYD. Successfully Completed her internship from **11-10-2022 to 26-10-2022**.

During her tenure, we found her active and competent in executing all assigned tasks and services were found to be satisfactory.

We wish her great success in all of her future endeavours.

For **Hi Life Super Speciality Hospital**

HR Department





Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Mr. Syed Zuber Ali** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.



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Date: 21/01/2023

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CERTIFICATE OF TRAINING

This is to certify that Ms. J.Kavyasri, a student of Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, has participated in Internship program on "Clinical Diagnosis, chemical and Molecular techniques in the Diagnosis of Pathology" from 01.01.2023 to 20.01.2023 at Laboratory of Sri Srinivasa Sunshine Hospital, opp: petrol pump, Fort, Warangal - Fort Rd, Warangal, Telangana 506002.

Jan 21/1/23

DOCTOR SIGN AND STAMP
Dr. V. NARESH KUMAR

M.B.B.S (Osm), M.S (Gen)
Regd. 59435

General & Laparoscopic Surgeon
Sri Srinivasa

SUNSHINE HOSPITAL
WARANGAL, TELANGANA

Date 24th October, 2022

TO WHOMSOEVER IT MAY CONCERN

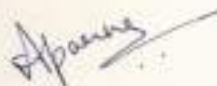
This is to certify that Alekhya Pasumarthy, 2nd Year Biotechnology, a student of Chaitanya Bharathi Institute of Technology, Department of Biotechnology, Hyderabad, Telangana – 500075 has completed her internship at Su Rasmi Innovations Pvt Ltd, Hyderabad, from 11th October 2022 to 22nd October 2022.

She has worked on 'The Efficiency and Feasibility of UV Light for Sterilisation'. This project was aimed at introducing the intern to the design and process of manufacturing biomedical equipment. As part of the project, she has observed and participated in the equipment design and researched on the sterilisation effects of UV light and its applications.

During her internship she has demonstrated her dedication and skill with self-motivation and has shown enthusiasm to learn. Her performance exceeded our expectations, and she was able to carry out work assigned to her promptly.

We wish her all the best for her upcoming career.

Su Rasmi Innovations Pvt. Ltd.



Mrs. Aparna Balijepalli
Director

Dr. G. Omprakash
M.D. (Path) (NIMS)
Pathologist
Regd No. 13066

ESTD : 1995

Dr.OM an ISO 9001:2015 Certified
DIAGNOSTICS

డా.ఓం డయాగ్నోస్టిక్స్

CERTIFICATE OF INTERNSHIP

This is to certify that GODHA PRIYANKA, a student of chaitanya bharathi Institute of technology, gandipet, hydrabad. Worked under my supervision During her internship period for 2 weeks and she worked at Dr. Om diagnostics, Doctor street, beside civil hospital, karimnagar. Iam pleased to state that she Worked hard in preparing this report. She possesses a good character and pleasing Personality I wish her every success in life.


Dr. OM DIAGNOSTICS
Raja Theatre Circle,
Karimnagar, Andhra Pradesh 505002.
Dr. OM DIAGNOSTICS
Raja Theatre Circle,
Karimnagar, Andhra Pradesh 505002.
10/10/2022
DOCTOR SIGN AND STAMP

Dr.OM DIAGNOSTICS,
KARIMNAGAR.

* Note : Suggested clinical correlation. If there is a need kindly repeat with fresh sample and confirm.

Note : T, T, TSH & Other hormones tests done daily. Reports will be given within 2 hours. EMail: dromdiagnostics95@gmail.com

3-3-138, Raja Theatre Circle, Beside Civil Hospital, Civil Hospital Road, Karimnagar-01. Ph : 63010 90216, 92469 30093



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To,
HOD,
Biotechnology Dept,
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad, Telangana 500075
Date:- 22/10/2022
Subject: Internship completion letter

Respected Sir/ Madam,
This is to inform that Ms Anshika Gupta has completed her internship from our company i.e. Ultrafil Air Systems (I) Pvt.Ltd. The internship period of Two weeks was completed on 21/10/22. She started her internship on 7/10/22 under marketing department.

She is hard-working and dedicated to the work and holds the good potential to learn new things. She has done an amazing job during the internship and we hereby confirm that the above-mentioned information is true and does not hold any false information.

For Ultrafil Air Systems india Pvt Ltd

Address: Plot No.10/11, Road No.05, IDA Nacharam, Hyderabad-500076

Mr.Narottam Sahoo

HR (Designation)
9100761526 (Contact number)





Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that Ms. Golla Vasanthi has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

Ch. Jayalalitha
DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Muskan** has participated in Internship program on **“Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases”** from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR

Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 50.

MEGA POLY CLINIC

Dr. A. Satyanarayana
MBBS, DCF (Dist.)
FAMILY PHYSICIAN
Cell - 92809 98866



Dr. Priya
BPT
Cell - 76336 21748

THURSDAY - SUNDAY 11:00 AM TO 1:00 PM

CERTIFICATE OF TRAINING

This is to certify that Ms. Ananya Surabhi has participated in the internship program on clinical diagnosis from 07.10.2022 to 21.10.2022 at Mega Poly clinic, Hyderabad.

Dr. A. SATYANARAYANA
MBBS, DCF (Dist.)
FAM. PHYSICIAN
Reg. No. 150

MEGA MEDICAL MART



Hyderabad 500 001, Tel. No. 833048000, 8121007618

CERTIFICATE OF INTERNSHIP

This is to certify that HANKO ADITYA K, a student of Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad worked under my supervision during his internship period for 3 weeks from 01-12-2022 to 25-12-2022 and he worked at Likhitha's Diagnostics-Speciality Lab,Dilsukhnagar.



DOCTOR SIGN AND STAMP



Quality is our DNA



Vijaya Pathlabs Pvt. Ltd.

TO WHOMSOEVER IT MAY CONCERN

THIS IS TO CERTIFY THAT TOGANTI KRANTHI A STUDENT OF CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,GANDIPET,HYDERABAD.WORKED UNDER MY UNDER SUPERVISION DURING HIS INTERNSHIP PERIOD FOR 4 WEEKS FROM 21-11-22 TO 17-12-22 AND HE WORKED AT VIJAYA PATHLABS PVT.LTD.

Date: 18-12-2022

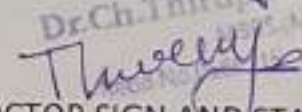
For Vijaya Pathlabs Private Limited

Seal & Signature



CERTIFICATE OF INTERNSHIP

This is to certify that **ESAMPALLY PRAMOD KUMAR**, a student of Chaithanya Bharathi Institute of Technology, Gandipet, Hyderabad. Worked under my supervision during his internship period for 2 weeks from 17-10-2022 to 28-10-2022 and he worked at **Sri Vijaya Computerized Clinical Laboratories**, Sanjeevaiah nagar, Rajanna Sircilla.

Dr. Ch. Thirunipathi

DOCTOR SIGN AND STAMP





Omanya University

Institute of Genetics & Hospital for Genetic Diseases

Spreading the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that Mr. Shunmyl Sumi has participated in Internship program on "Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases" from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Omanya University, Begumpet, Hyderabad.


DIRECTOR
Institute of Genetics & Hospital for Genetic Diseases
Omanya University
Begumpet, Hyderabad - 50



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Gotte Grace Hepsibah** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

Chiranjeevi

DIRECTOR

DIRECTOR

Institute of Genetics &

Hospital for Genetic Diseases

Osmania University

Begumpet, Hyderabad - 500009



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Mr. Kandimala Venkat Keerthan** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.


DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Mr. Manikonda Rahul** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.


DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 500 016



CENTRAL FORENSIC SCIENCE LABORATORY

DIRECTORATE OF FORENSIC SCIENCE SERVICES

MINISTRY OF HOME AFFAIRS, GOVT OF INDIA

RAMANTHAPUR, HYDERABAD-500013

INTERNSHIP CERTIFICATE

This is to certify that *Miss Vempati Vaidehi Pravallika*, who is pursuing *B.Tech Biotechnology* from *Chaitanya Bharati Institute of Technology, Hyderabad* has attended *CHEMISTRY (NARCOTICS)* of *CENTRAL FORENSIC SCIENCE LABORATORY*, Hyderabad from *10/10/2022* to *24/10/2022*. During this period she has observed the working procedure of lab including "*A brief introduction to narcotic drugs and various instrumentation*" under the supervision and guidance of *Mr.SHAIK NAYAB RASOOL*, Assistant Director & Sc.-'C' HoD (Narcotics Division), *CFSL, Hyderabad*.


SHAIK NAYAB RASOOL 28/10/22

Asst. Director (narcotics)

CFSL, HYDERABAD

SHAIK NAYAB RASOOL
Assistant Director (Chemistry) & Scientist 'C'
Central Forensic Science Laboratory
Directorate of Forensic Science Services
Ministry of Home Affairs, Government of India,
Ramantapur, Hyderabad-500 013.




31.10.22

S.SAHA

DIRECTOR

CFSL, HYDERABAD.

Director
Central Forensic Science Laboratory
HYDERABAD.



Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Madu Aishwarya** has participated in Internship program on "**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**" from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.


DIRECTOR

30M GENOMICS Pvt Ltd.

Registered Office: Near Church, Pavulavarigudem, West Godavari, Andhra Pradesh – 534426.

Laboratory: Room No.03, Aspire BioNEST, University of Hyderabad, Telangana – 500046.

GST: 37AABCZ4011A1ZW

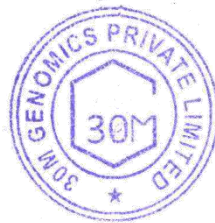
Date: 07.01.2023

TO WHOMSOEVER IT MSY CONCERN

This is to certify that **Ms. Mahima Kalyanam**, BTech Biotechnology student of Chaitanya Bharathi Institute of Technology, Hyderabad, has successfully completed the 2-weeks internship course from 11th October, 2022 to 24th October, 2022.

She is hardworking, sincere and strong in basic concepts; also, very polite with fellow mates and she has great communication skills.

For 30M Genomics Pvt Ltd,



D. Benet
(Chief Executive Officer)



ceo@30mgenomics.com



+918508406015





Certificate Of Volunteer

This certificate is presented to

Vaishnavi Gangapuri

For exceptional contribution as an intern with TSIC from August 2022 - December 2022.

Dr. Shanta Thoutam,
Chief Innovation Officer,
Telangana State Innovation Cell,
Government of Telangana

CERTIFICATE

This is to certify that the project entitled "**Preparation of Gold Nanoparticles and its Application in Lateral-Flow Immuno-Assays**" by **Advaith Roy (160121805047)** in the partial fulfillment for the degree of "Bachelor of Technology" has been carried out under the supervision of Dr. Vivek Pandey, Head – Production, Diabetomics Medical (P) Ltd, Hyderabad.

Industry SupervisorName: **Dr. Vivek Pandey**Signature: 

Date: 25 October 2022





Date :- 31 Oct 2022

TO WHOMSEVER IT MAY CONCERN

This is to certify that Ms. Madikunta Divyasree has completed her internship from our lab

i.e.; Perfomics Analytical Labs LLP, Nacharam, Hyderabad. The internship period for two weeks was completed on 29 October, 2022. She started her internship on 13 October, 2022 under Pharmaceutical sector.

She was hard-working and dedicated to the work and holds the good potential to learn new things. She has done an amazing job during the internship and we hereby confirm that the above mentioned information is true and does not hold any false information.

For Perfomics Analytical Labs LLP

V.Chandra Sekhar,
President.





Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Amatul Rahman Khadija** has participated in Internship program on **“Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases”** from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 50



Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that **Ms. Kammari Harshita** has participated in Internship program on **“Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases”** from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 500 016



Osmania University

Institute of Genetics & Hospital for Genetics Diseases

Unveiling the future

Date: 26.10.2022

CERTIFICATE OF TRAINING

This is to certify that Mr. **Gilkapally Koushik** has participated in Internship program on “**Clinical Diagnosis, Cytogenetic, Biochemical and Molecular techniques in the Diagnosis of Genetic Diseases**” from 10.10.2022 to 26.10.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

Ujjayalakeshri
DIRECTOR

DIRECTOR
Institute of Genetics &
Hospital for Genetic Diseases
Osmania University
Begumpet, Hyderabad - 16.

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)

BIOWORLD



CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. Varshini Upputur Regd.No: 16.0119.60.50.36 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

D. Jayalalitha
For BIOWORLD
Director

K. Balakrishna
For NFTDC
Director

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)



BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms Abdul Mujeeb Regd.No. 160119805038 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

[Signature]
For BIOWORLD
Director

[Signature]
For NFTDC
Director



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

CENTRE FOR BIOTECHNOLOGY, INSTITUTE OF SCIENCE & TECHNOLOGY

Kukatpally, Hyderabad-500 085 (T.S.) Tele / Fax : 040-23156129

Dr. L. Saida

Asst. Professor & Head

DATE: 26/07/2022

INTERNSHIP COMPLETION LETTER

We are glad to inform that **Ms. Donga Kavya** (160119805008) B.Tech Biotechnology III Year student from Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, Telangana, has successfully completed her one month internship at Centre for Biotechnology, Institute of Science & Technology, Jawaharlal Nehru Technological University Hyderabad, under the supervision of Dr. M. Anjaneyulu. The internship in Antimicrobial screening of plant derived phytochemicals.

This internship started on 27th June, 2022 and ended on 26th July, 2022, which took place during the summer break.

Regards,


(Dr. L. Saida)

HEAD

Centre for Biotechnology
Institute of Science and Technology
J.N.T. University Hyderabad,
Kukatpally Hyderabad-500 085 Telangana

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)



BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. Varshini Upputur Regd.No. 160119605036 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

D. Jayalalitha
For BIOWORLD
Director

K. Balakrishna
For NFTDC
Director

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)



BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. Karanam Muktananda Regd.No. 160119805049 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

Shejela M.
For BIOWORLD
Director

K. Balaraman
For NFTDC
Director

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)



BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. Karanam Muktananda Regd.No.162119805049 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

Shejela M.
For BIOWORLD
Director

K. Balasubramaniam
For NFTDC
Director

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &



(Autonomous Inst. Under Dept. of Mines- Govt. of India)

BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. Shekhar Rayalika Regd.No. 60119805017 has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision


For BIOWORLD
Director


For NFTDC
Director

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)

BIOWORLD



CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. *M. D. Deshpande* Regd.No. *150119805006* has successfully completed internship at our "Biomaterials & Cell culture" laboratory from 23rd June 2022 to 3rd Aug. 2022 under our expert guidance & supervision

M. D. Deshpande
For BIOWORLD
Director

V. Balaraman
For NFTDC
Director

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Shaik Nousheen**, Roll NO (160119805025) Student of B tech Biotech, Chaitanya Bharati Institute of Technology, has successfully undergone internship programme beginning from Jan-2023 to June-2023 in QC Department in Virchow biotech Private Limited under guidance of Mr.Koti Reddy – QC . This work is the property of Virchow Biotech Private Limited, Hyderabad. It should not be published or copied further without permission.

Her candidature during the Project was satisfactory and we wish her all success in future endeavors.

Regards
For Virchow Biotech Pvt. Ltd.

P.Raghurami Reddy
AGM – HR & Admin



Factory : Survey No. 172 Part, Gagillapur Village, Dundigal Gandimaisamma Mandal,
Medchal-Malkajgiri District, Telangana - 500 043, INDIA.

Phone : 09700017820, 09700017883 E-mail : hr@virchowbiotech.com, regulatory.vbpl@gmail.com

Head Office : # 319 & 320, IIIrd Floor, Swamy Ayyappa Co-op. Housing Society Ltd, Madhapur, Hyderabad-500 081.

Phone : +91-40-23119481, Fax : +91-40-23119486. **GSTIN : 36AABCV2578A1ZI**



भारत सरकार
 GOVERNMENT OF INDIA
 परमाणु ऊर्जा विभाग
 DEPARTMENT OF ATOMIC ENERGY



नाभिकीय ईंधन सम्मिश्र  NUCLEAR FUEL COMPLEX

As ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Organisation

मानव संसाधन विकास प्रभाग / HUMAN RESOURCE DEVELOPMENT DIVISION

प्रमाणपत्र / Certificate

This is to certify that Ms. Ms. Vaishnavi Mokkapali
 a student of Chaitanya Bhawan Institute of Technology, Gandipet
 (Subject: Teach. (Biotechnology)) has completed Training / Project Work in this
 Organisation from 04 07 2022 to 03 08 2022 on the topic: "Material Characterisation
 and Instrumentation Techniques"
 His / Her conduct during the training period has been good/satisfactory.

[Handwritten mark]

[Handwritten signature]

परमाणु ऊर्जा विभाग
 मानव संसाधन विकास प्रभाग
 परमाणु ऊर्जा विभाग, हैदराबाद
 (5)

दिनांक / Date : 03 08 22
 हैदराबाद / Hyderabad - 500 062

जयस शर्मा Jyotsna Sharmah
 उपाध्यक्ष / Deputy Manager
 (मानव संसाधन)
 परमाणु ऊर्जा विभाग, हैदराबाद
 (HR)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

CENTRE FOR BIOTECHNOLOGY, INSTITUTE OF SCIENCE & TECHNOLOGY

Kukatpally, Hyderabad-500 085 (T.S.) Tele / Fax : 040-23156129

Dr. L. Saida

Asst. Professor & Head

DATE: 26/07/2022

INTERNSHIP COMPLETION LETTER

We are glad to inform that **Ms. Golthi Veniya** (160119805037) B.Tech Biotechnology III Year student from Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, Telangana, has successfully completed her one month internship at Centre for Biotechnology, Institute of Science & Technology, Jawaharlal Nehru Technological University Hyderabad, under the supervision of Dr. M. Anjaneyulu. The internship in Antimicrobial screening of plant derived phytochemicals.

This internship started on 27th June, 2022 and ended on 26th July, 2022, which took place during the summer break.

Regards,

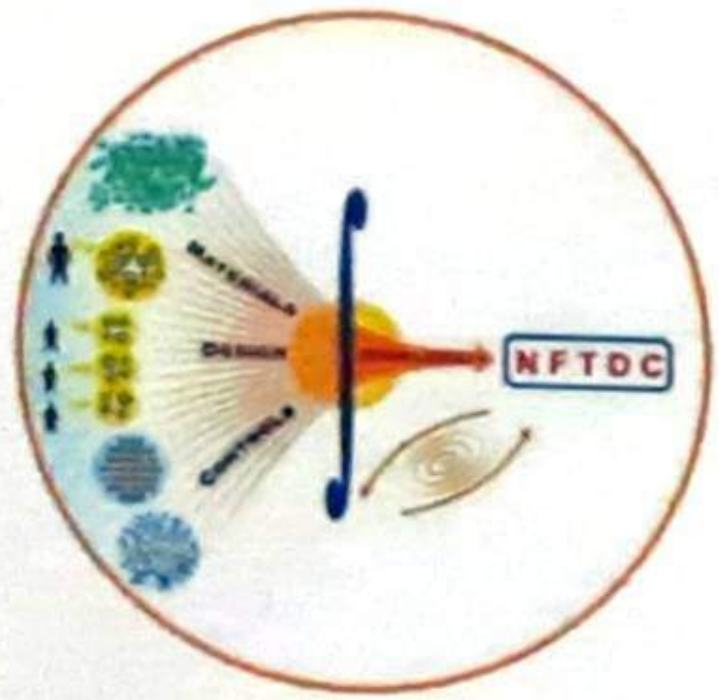

(Dr. L. Saida)

HEAD

Centre for Biotechnology
Institute of Science and Technology
J.N.T. University Hyderabad,
Kukatpally Hyderabad-500 085, Telangana State

NON FERROUS MATERIALS TECHNOLOGY DEVELOPMENT CENTRE &

(Autonomous Inst. Under Dept. of Mines- Govt. of India)



BIOWORLD

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. *M. Sai Sahil*.....Regd.No. *160119805021*...has successfully completed internship at our "Biomaterials & Cell culture laboratory from 23 rd June 2022 to 3rd Aug.2022 under our expert guidance & supervision

M. Rajesh Kumar
For BIOWORLD
Director

K. Balaraman
For NFTDC
Director

**1.3.4 Proof of B.Tech Biotechnology students
undertaking Community Engagement
program (I Sem) for AY 2022-23**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
B. TECH, Biotechnology I Semester
Community Engagement – final Assessment, Feb 2023

Date: 25.2.2023

Marks: 30m

Mentor allotment

SI. no	Time (PM)	Group	Student Roll no	Mentor
1	12.10 - 12.30	1	160122805001- 160122805005	Dr G Vijayalaxmi
	12.30 - 12.50	2	160122805006- 160122805011	
2	12.50 - 1.10	3	160122805012-160122805017	Dr. B. Mishra
	1.10 - 1.30	4	160122805018-160122805022	
3	1.30 - 1.50	5	160122805023-160122805028	Dr. C. Nagendranath
	1.50 - 2.10	6	160122805029- 160122805035	
4	2.10 - 2.30	7	160122805036- 160122805041	Dr Sanjeeb Kumar Mandal
	2.30 - 2.50	8	160122805042- 160122805047	
5	2.50 - 3.10	9	160122805048-160122805052	Dr. Kiran. Y. V
	3.10 - 3.30	10	160122805053-160122805058	
6	3.30 – 4.00	11	160122805059- 160122805063	Dr. C. Nagendranath

Community Engagement (22MBC02) Project report on

**STUDY ON SWACHH BHARAT PROJECT SITES, CONDUCT ANALYSIS AND
INITIATE PROBLEM SOLVING MEASURES**

By

Name of the Candidate	- Roll number
ADEPU SRIHITA	160122805001
ANANYA SUMA KONDA	160122805002
AREEBAH MAZHER	160122805002
BESUPALLI KAVYA SREE	160122805004
BHAVANA PULIVARTHI	160122805005

Under the guidance of

Dr. B. Sumithra & Dr. G. Vijayalaxmi

Assistant Professors
Department of Biotechnology

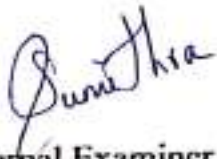


Chaitanya Bharathi Institute of Technology
(Affiliated to Osmania University)
Hyderabad - 500075
February 2023

CERTIFICATE

This is to certify that the project entitled "STUDY ON SWACHH BHARAT PROJECT SITES, CONDUCT ANALYSIS AND INITIATE PROBLEM SOLVING MEASURES" submitted by **SRIHITHA (160122805001), ANANYA (160122805002), ARREBAH (160122805003), KAVYA (160122805004), BHAVANA (160122805005)** in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision of

Dr. B. Sumithra, Assistant professor & **Dr. G. Vijayalaxmi**, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.




Internal Examiner 1

Dr. B. Sumithra



Internal examiner 2

Dr. G. Vijayalaxmi

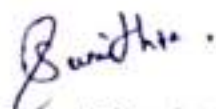


Head of the Department

Dr. Y. Rajasri

CERTIFICATE

This is to certify that the project entitled "A STUDY ABOUT THE MID-DAY MEAL SCHEME" submitted by B.Sushma Reddy(160122805006) , Katyayani.C(160122805007), Dhruthi Dounde(160122805008), Malavika Malleshwari(160122805009), Hadiya Kaukab(160122805010), Harshitha Valapa(160122805011) in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision of Dr. B. Sumithra, Assistant professor & Dr. G. Vijayalaxmi, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.



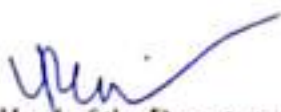
Internal Examiner 1

Dr. B. Sumithra
Mentor



Internal examiner 2

Dr. G. Vijayalaxmi
Mentor



Head of the Department

Dr. Y. Rajasri



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

Kotapuri(Village), Gandipet, Hyderabad, Telangana-500076. www.cbait.ac.in

ISO 9001:2015

COMMITTED TO
RESEARCH
INNOVATION AND
EDUCATION

44
years

CERTIFICATE

This is to certify that the project entitled "**Interaction with Self-Help Groups**" submitted by **Ishitha Prasad-160122805012, Shruthi Laya J-160122805013, Kesava Sree J-160122805014, Swathi K M -160122805015, K. Shivathmika Reddy-160122805016, K. Sree Saahitthi Reddy-160122805017** in the partial fulfillment for the degree of "**Bachelor of Technology**" in **Biotechnology** is a bonafide report of the work carried out under the supervision of **Dr. B. Sumithra, Assistant professor & Dr. K. Dharmalingam, Assistant professor, Department of Biotechnology, CBIT** and has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Examiner 1

Dr. B. Sumithra

Internal examiner 2

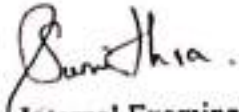
Dr. K. Dharmali
Head of the department

Dr. Y. Rajasri


CERTIFICATE

This is to certify that the project entitled "Raising people's understanding on climate change" submitted by D. Bhoomika (1601-22-805-018), K. Akshaya (1601-22-805-019), L. Varshitha (1601-22-805-020), V. Laya (1601-22-805-021), Mehvish Fatima (1601-22-805-021) in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision

Dr. B. Sumithra, Assistant Professor & Dr. K. Dharmalingam, Assistant Professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma


Internal Examiner 1

Dr. B. Sumithra


Internal examiner 2

Dr. K. Dharmalingam


Head of the Department

Dr. Y. Rajasri

CERTIFICATE

This is to certify that the project entitled "A Visit to Anganwadi" submitted by in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision of

Dr. B. Sumithra, Assistant professor & **DR. C Nagendranath**, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.




Internal Examiner 1

Dr. B. Sumithra



Internal examiner 2

Dr. C Nagendranath

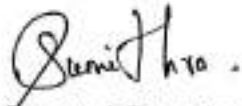


Head of the Department

Dr. Y. Rajasri

CERTIFICATE

This is to certify that the project entitled "Visits in Rural School/mid-day meal centre & Study Academic Infrastructural Resources & Gaps" submitted by Supraja-160122805029, Samhitha-160122805030, Satviki-160122805032, Shria-160122805033, Shruti-160122805034, Smithanya-160122805035 in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision of Dr. B. Sumithra, Assistant professor & Dr. C. Nagendranath, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.



Internal Examiner 1

Dr. B. Sumithra

Internal examiner 2

Dr. C. Nagendranath



Head of the Department

Dr. Y. Rajasri



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



ISO Certified
9001:2015

CERTIFICATE

This is to certify that the project entitled “VISIT A LOCAL NGO AND INTERACT WITH THEIR STAFF & BENEFICIARIES” submitted by SYEDA FATIMA H.(1601-22-805-036), T. LAASYA(1601-22-805-037), T. SOUJANYA(1601-22-805-038), T. VARSHINI (1601-22-805-039), V. NIKHITHA(1601-22-805-040), NIKITHA TEKU (1601-22-805-041) in the partial fulfillment for the degree of “Bachelor of Technology” in Biotechnology is a bonafide report of the work carried out under the supervision of

Dr. B. Sumithra, Assistant professor & **Dr. Sanjeeb Kumar M.**, Assistant professor, Department of Biotechnology, CBIT ,and has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Examiner 1

**Dr. B. Sumithra
Kumar**

Internal examiner 2

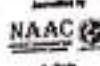
Dr. M. Sanjeeb

Head of the Department
Dr. Y. Rajasri



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)


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



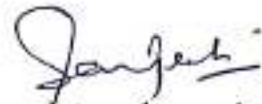
ISO Certified
9001:2015

CERTIFICATE


This is to certify that the project entitled "A comparative study on drinking water quality test" submitted by V.Anusha(160122805042), Y.Swarna Manjri (160122805043), Amogh Anil Bellurkar(16012805044) , Basike Bharath (160122805045), Ravikumar Bommera(160122805046), C.Praneeth(160122805047), in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology is a bonafide report of the work carried out under the supervision of **Dr. B. Sumithra**, Assistant professor & **Dr. Sanjeeb Kumar Mandal**, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.


Internal Examiner 1

Dr. B. Sumithra

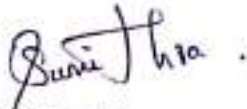

Internal examiner 2

Dr. Sanjeeb Kumar


Head of the Department
Dr. Y. Rajasri

CERTIFICATE

This is to certify that the project entitled "A study on the rural government school in Kokapet village" submitted by K.Charan (160122805053), Tejas.K (160122805054), Ashish(160122805055), Srikanth(160122805056), RajKumar (160121805057) and Rithik(160122805058) in partial fulfilment for the degree of "Bachelor of Technology in Biotechnology", Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad is a bonafide record of work carried under the supervision of Smt. B. Sumithra ma'am, Assistant Professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institute for award of degree and diploma.



Internal Examiner 1
(Dr. B. Sumithra)
Mentor



Internal Examiner 2
(Dr. Kiran Y. V)



Head Of The Department
(Dr. Y. Rajasri)



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

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



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CERTIFICATE

This is to certify that the project entitled “Visits in Rural School/mid day meal center & Study Academic Infrastructural Resources & Gaps” submitted by Salkapuram John Wesley (160122805059), Tanmay Dacha (160122805060), T.V.Karthik (16012805062) , Zubair shaik hussain (160122805063), Rithik Reddy (160122805058) in the partial fulfillment for the degree of “Bachelor of Technology” in Biotechnology is a bonafide report of the work carried out under the supervision of **Dr. B. Sumithra**, Assistant professor & **Dr. C. Nagendranath**, Assistant professor, Department of Biotechnology, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Examiner 1

Dr. B. Sumithra

Internal examiner 2

Dr. C. Nagendranath

Head of the Department

Dr. Y. Rajasri