


Chaitanya Bharathi Institute of Technology  
Department of Biotechnology

1.3.4 Details of students undertaking field work/project/internship/student projects  
for AY 2023-24

1.3.4 index

SNo	Description	Page No
1	Industrial visit	11-35
2	Internship	36-138
3	Final Year Projects	139-188

  
**HEAD**  
 Dept. of Bio-Technology  
 Chaitanya Bharathi Institute of Technology  
 Gandipet, Hyderabad-500 076.

List of students details for Industrial visit 2023-24

S.no	Roll no	Name of the student	Page Nos
1	160120805001	ADITHI REDDI KAMANA	17-22
2	160120805002	KULKARNI AISHWARYA	17-22
3	160120805003	ALWINA G	17-22
4	160120805005	B MOUNIKA	17-22
5	160120805006	BODIKA SHYNISHA	17-22
6	160120805007	GALI CHAITRA	17-22
7	160120805008	CHUNDURU SAI HARI HARA SUDHESHNA	17-22
8	160120805009	SUROJU DIVYA PREMA	17-22
9	160120805010	SHAIK FOUZIA RAFATH	17-22
10	160120805012	KATLA HAMSINI	17-22
11	160120805013	JYOTHIKA MEENAKSHI KAMBHAMPATI	17-22
12	160120805014	PATHIPAKA KAVYA PASIRIKA	17-22
13	160120805016	KOLLURU NAGA VENKATA SUJATHA	17-22
14	160120805017	NEHA REDDY MARAPALLI	17-22
15	160120805018	BALLA REENA PRAVALLIKA	17-22
16	160120805019	VALLURU SAI LEELA SIRISHA	17-22
17	160120805020	Y SAI SHRIYA	17-22
18	160120805021	SANJANA REDDY PAILLA	17-22
19	160120805022	KURUVELLA SATHVIKA	17-22
20	160120805023	POKALA SHARVANI	17-22
21	160120805024	SHIVANI REDDY KAPPATI	17-22
22	160120805025	SHREECHANDRA SALUKUTI	17-22
23	160120805026	PERI SHREENIJA	17-22

24	160120805027	BANALLA SHREYA	17-22
25	160120805028	PATLOLLA SHRIYA REDDY	17-22
26	160120805029	B SNEHA	17-22
27	160120805030	SOUBORNI NANDY	17-22
28	160120805031	MANDALA SOUMYA	17-22
29	160120805032	SPOORTHI SADA	17-22
30	160120805033	NEELAM SRAVANI	17-22
31	160120805034	VANGA SRI VARSHA	17-22
32	160120805035	TANMAYI BOREDA	17-22
33	160120805036	SYEDA UMAMAH FATIMA	17-22
34	160120805037	V SHREYA SHARMA	17-22
35	160120805038	LAKAVATH VENNELA	17-22
36	160120805039	GADDAM AKASH	17-22
37	160120805040	ALLOJU ABHISHEK	17-22
38	160120805041	ANIRUDDHA SREERAM BOBBILI	17-22
39	160120805042	RAMAGALLA ASHISH	17-22
40	160120805043	BADHE NITIN RATNAM	17-22
41	160120805044	DOOLAM BALAJI	17-22
42	160120805045	THIRUNAGARI BHANU PRAKASH	17-22
43	160120805046	MATTA KESHAVA CHARAN	17-22
44	160120805047	PATLOLLA DINESH REDDY	17-22
45	160120805048	DIVYAMSHU SURABHI	17-22
46	160120805049	T GOURAV	17-22
47	160120805050	POLE HARISH	17-22
48	160120805051	KOLLURU HRITHIK	17-22
49	160120805052	KALLURI CHETAN BABU	17-22
50	160120805053	METTU VIKKI KUMAR	17-22
1	1601208008	CSH SUDHESHNA	22-24
2	16012080513	JYOTHIKA MEENAKSHI	22-24
3	16012080523	P SRAVANI	22-24
4	16012080527	B SHREFYA	22-24
5	16012080532	S SPOORTHI	22-24
6	16012080543	B NITHIN	22-24
7	16012080546	M CHARAN	22-24
8	16012080548	DIVYAMSHU S	22-24
9	16012080558	SD SAIPRATHIBH	22-24
10	16012080557	C SAMANTH	22-24

1	1601-21-805-001	ALEKHYA PASUMARTHY	25-35
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	25-35
3	1601-21-805-003	ANANYA SURABHI	25-35
4	1601-21-805-004	ANSHIKA GUPTA	25-35
5	1601-21-805-005	ASHRITA KOTTAKOTA	25-35
6	1601-21-805-006	BIKKUMALLA SHRUTI	25-35
7	1601-21-805-007	BOCHA SRIHITHA	25-35
8	1601-21-805-008	CAMBAMPATY AKSHITA NAIDU	25-35
9	1601-21-805-009	DANNE SHAMITHA	25-35
10	1601-21-805-010	DENDI MEGHANA	25-35
11	1601-21-805-011	GADDA THABITHA	25-35
12	1601-21-805-013	GOLLA VASANTHI	25-35
13	1601-21-805-014	GOTTE GRACE HEPSIBAH	25-35
14	1601-21-805-015	GRANDHI MANOGNADEVI	25-35
15	1601-21-805-016	J KAVYASRI	25-35
16	1601-21-805-017	JANGALA HARI PRIYA	25-35
17	1601-21-805-018	JELLA RITHIKA	25-35
18	1601-21-805-019	KAMMARI HARSHITHA	25-35
19	1601-21-805-020	KANUGANTI AKHILA	25-35
20	1601-21-805-021	KEERTHANA NALLA	25-35
21	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	25-35
22	1601-21-805-023	LOKAM PRANAVI SRI SAI	25-35
23	1601-21-805-024	MADAMANCHI LAKSHMI PRASANNA SAI	25-35
24	1601-21-805-025	MADIKUNTA DIVYASREE	25-35
25	1601-21-805-026	MADU AISHWARYA	25-35
26	1601-21-805-027	MAHIMA KALYANAM	25-35
27	1601-21-805-028	MEDISETTY RASHMI	25-35
28	1601-21-805-029	MUKKA JAHNAVI	25-35
29	1601-21-805-030	MUSKAN	25-35
30	1601-21-805-031	N PRASHANTHI	25-35
31	1601-21-805-032	NIDHI BHIDE	25-35
32	1601-21-805-033	PHALGUNI NADIGER	25-35
33	1601-21-805-034	PUNREDDY AKSHITHA	25-35
34	1601-21-805-036	REKHAM POOJITHA	25-35

35	1601-21-805-037	REMALLA PRIYANKA	25-35
36	1601-21-805-038	ROSHINI PERUMAL	25-35
37	1601-21-805-039	SHREYA TATI	25-35
38	1601-21-805-040	THODE NEHA	25-35
39	1601-21-805-041	THOGARI RASHMITHA	25-35
40	1601-21-805-042	VAISHNAVI GANGAPURI	25-35
41	1601-21-805-043	VEMPATI VAIDEHI PRAVALLIKA	25-35
42	1601-21-805-044	VISLAVATH SNEHA	25-35
43	1601-21-805-045	VUYYURU HASANTHI	25-35
44	1601-21-805-046	YAKKANTI VAISHNAVI	25-35
45	1601-21-805-047	ADVAITH ROY	25-35
46	1601-21-805-048	DHRUV TADIKONDA	25-35
47	1601-21-805-049	ESAMPELly PRAMOD KUMAR	25-35
48	1601-21-805-050	GILKAPALLY KOUSHIK	25-35
49	1601-21-805-051	GUGULOTH BHASKAR	25-35
50	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	25-35
51	1601-21-805-053	HANOK ADITYA K	25-35
52	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	25-35
53	1601-21-805-055	KUNAM SAI SUNDER	25-35
54	1601-21-805-056	MANIKONDA RAHUL	25-35
55	1601-21-805-057	MOHAMMED RAHMANUDDIN	25-35
56	1601-21-805-058	PARSHA TILAK	25-35
57	1601-21-805-059	POLAMRAJU VENKATA KASYAP	25-35
1	1601-22-805-001	ADEPU SRIHITA	25-35
2	1601-22-805-002	ANANYA SUMA KONDA	25-35
3	1601-22-805-003	AREEBAH MAZHER	25-35
4	1601-22-805-004	BESUPALLI KAVYASREE	25-35
5	1601-22-805-005	BHAVANA PULIVARTHI	25-35
6	1601-22-805-006	BURRA SUSHMA	25-35
7	1601-22-805-008	DHRUTI DOUNDE	25-35
8	1601-22-805-009	GOLLAPALLI MALAVIKA MALLESHWARI	25-35
9	1601-22-805-011	HARSHITHA VALAPA	25-35
10	1601-22-805-012	ISHITA PRASAD	25-35
11	1601-22-805-013	JAGIRYALA SHRUTILAYA	25-35
12	1601-22-805-014	JANGAM KESAVA SREE	25-35
13	1601-22-805-015	K M SWATHI	25-35



14	1601-22-805-016	K SHIVATMIKA REDDY	25-35
15	1601-22-805-018	DASARI BHOOMIKA	25-35
16	1601-22-805-019	KOMMERA AKSHAYA	25-35
17	1601-22-805-020	L VARSHITHA	25-35
18	1601-22-805-021	LAYA VINUKONDA	25-35
19	1601-22-805-022	MEHVISH FATIMA	25-35
20	1601-22-805-023	MOHAMMAD MUSKAN	25-35
21	1601-22-805-024	N SATVIKA	25-35
22	1601-22-805-025	NITTURI TRIPURA	25-35
23	1601-22-805-026	PALAKODETI SREYA	25-35
24	1601-22-805-027	PENCHALA DISHA	25-35
25	1601-22-805-029	POGADADANDA SUPRAJA	25-35
26	1601-22-805-030	SAMHITHA REDDY C	25-35
27	1601-22-805-032	SATVIKI MAYA	25-35
28	1601-22-805-034	SHRUTI DAS MOHAPATRA	25-35
29	1601-22-805-035	SMITHANYA GADEELA	25-35
30	1601-22-805-036	SYEDA FATIMA HASAN	25-35
31	1601-22-805-037	T LAASYA SRI	25-35
32	1601-22-805-038	THAMMANA SOUJANYA	25-35
33	1601-22-805-039	THOLUPUNOORI VARSHINI	25-35
34	1601-22-805-040	VELTUR SAI NIKHITHA	25-35
35	1601-22-805-041	VENKATA SAI NIKITHA TEKU	25-35
36	1601-22-805-042	VINJRAVATH ANUSHA	25-35
37	1601-22-805-044	AMOGH ANIL BELLURKAR	25-35
38	1601-22-805-048	CHIGURU PRADEEP KUMAR	25-35
39	1601-22-805-050	H KUNAL KUMAR	25-35
40	1601-22-805-051	K ADITHYA SRILAN	25-35
41	1601-22-805-053	KORRA CHARAN NAIK	25-35
42	1601-22-805-056	MUTHYALA SRIKANTH	25-35
43	1601-22-805-057	PATTEM RAJKUMAR	25-35
44	1601-22-805-059	SALKAPURAM JOHN WESLY	25-35

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**Internship details of Biotech students for AY 2023-24**

1	160122805004	BEESUPALLI KAVYA SREE	38
2	160122805011	HARSHITHA VALAPA	39
3	160122805030	SAMHITHA REDDY	40
4	160122805035	SMITHANYA.G	41
5	160122805042	V.ANUSHA	42
6	160122805044	AMOGH	43
7	160122805048	PRADEEP KUMAR	44
8	160122805059	S WESLEY	45
1	1601-21-805-001	ALEKHYA P	4-91
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	49-91
3	1601-21-805-003	ANANYA SURABHI	49-91
4	1601-21-805-004	ANSHIKA GUPTA	49-91
5	1601-21-805-005	ASHRITA KOTTAKOTA	49-91
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10	1601-21-805-010	DENDI MEGHANA	49-91
11	1601-21-805-011	GADDA THABITHA	49-91
12	1601-21-805-013	GOLLA VASANTHI	49-91
13	1601-21-805-014	G HEPSIBAH	49-91
14	1601-21-805-015	G MANOGNADEVI	49-91
15	1601-21-805-016	J KAVYASRI	49-91
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17	1601-21-805-018	JELLA RITHIKA	49-91
18	1601-21-805-019	KAMMARI HARSHITHA	49-91
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20	1601-21-805-021	KEERTHANA NALLA	49-91
21	1601-21-805-022	KIRTHIKHA S SUNDER	49-91
22	1601-21-805-023	L PRANAVI SRI SAI	49-91
23	1601-21-805-024	M LAKSHMI P SAI	49-91
24	1601-21-805-025	M DIVYASREE	49-91
25	1601-21-805-026	MADU AISHWARYA	49-91

26	1601-21-805-027	MAHIMA KALYANAM	49-91
27	1601-21-805-028	MEDISETTY RASHMI	49-91
28	1601-21-805-029	MUKKA JAHNAVI	49-91
29	1601-21-805-030	MUSKAN	49-91
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31	1601-21-805-032	NIDHI BHIDE	49-91
32	1601-21-805-033	PHALGUNI NADIGER	49-91
33	1601-21-805-034	PUNREDDY AKSHITHA	49-91
34	1601-21-805-036	REKHAM POOJITHA	49-91
35	1601-21-805-037	REMALLA PRIYANKA	49-91
36	1601-21-805-038	ROSHINI PERUMAL	49-91
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44	1601-21-805-046	YAKKANTI VAISHNAVI	49-91
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52	1601-21-805-054	K VENKAT KEERTHAN	49-91
53	1601-21-805-055	KUNAM SAI SUNDER	49-91
54	1601-21-805-056	MANIKONDA RAHUL	49-91
55	1601-21-805-057	M RAHMANUDDIN	49-91
56	1601-21-805-058	PARSHA TILAK	49-91
57	1601-21-805-059	P VENKATA KASYAP	49-91

58	1601-21-805-060	REGOTI SAIRAM	49-91
59	1601-21-805-061	S SHIVA PRASAD	49-91
60	1601-21-805-062	SHUMAYL M SAMI	49-91
61	1601-21-805-063	SYED ZUBER ALI	49-91
62	1601-21-805-064	TOGANTI KRANTHI	49-91
1	160120805001	ADITHI REDDI K	94-138
2	160120805002	KULKARNI AISHWARYA	94-138
3	160120805003	ALWINA G	94-138
4	160120805006	BODIKA SHYNISHA	94-138
5	160120805007	GALI CHAITRA	94-138
6	160120805008	CHUNDURU SAI HARI HARA SUDHESHNA	94-138
7	160120805009	SUROJU DIVYA PREMA	94-138
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14	160120805020	Y SAI SHRIYA	94-138
15	160120805021	SANJANA PAILLA	94-138
16	160120805023	POKALA SHARVANI	94-138
17	160120805025	SHRSALUKUTI	94-138
18	160120805027	BANALLA SHREYA	94-138
19	160120805028	PATL SHRIYA REDDY	94-138
20	160120805030	SOUBORNI NANDY	94-138
21	160120805031	MANDALA SOUMYA	94-138
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23	160120805034	VANGA SRI VARSHA	94-138
24	160120805035	TANMAYI BOREDA	94-138
25	160120805036	SYEDA UMAMAH FATIMA	94-138
26	160120805038	LAKAVATH VENNELA	94-138

27	160120805039	GADDAM AKASH	94-138
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29	160120805041	ANIRUDDHA SREERAM BOBBILI	94-138
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31	160120805043	BADHE NITIN RATNAM	94-138
32	160120805045	T BHANU PRAKASH	94-138
33	160120805046	MATTA K CHARAN	94-138
34	160120805047	P DINESH REDDY	94-138
35	160120805049	T GOURAV	94-138
36	160120805050	POLE HARISH	94-138
37	160120805051	KOLLURU HRITHIK	94-138
38	160120805052	KCHETAN BABU	94-138
39	160120805054	MIHIR CHANDRA	94-138
40	160120805055	RAKESH	94-138
41	160120805057	PRATHIBH	94-138
42	160120805060	YASHSHVI K	94-138

*A Pandey*  
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**List of Project students**











SINo	Roll No	Name	Page No
1	160120805042	R. Ashish Raj	143-188
	160120805047	P. Dinesh Reddy	
	160120805059	M. Sumanth Rao	
2	160120805007	Chaitra Gali	143-188
	160120805048	Divyamshu Surabhi	
	160120805058	Samanth Chinthakindhi	
3	160120805002	Aishwarya Kulkarni	143-188
	160120805010	Fouzia Rafath	
	160120805016	Sujatha Kolluru	
4	160120805027	Banalla Shreya	143-188
	160120805043	Badhe Nitin Ratnam	
5	160120805009	Divya	143-188
	160120805018	Reena Pravallika	
	160120805052	Chetan Babu	
6	160120805020	Shriya Y	143-188
	160120805034	V Sri Varsha	
	160120805060	Yashasvi Kambhampati	
7	160120805039	Akash	143-188
	160120805041	Aniruddha	


	160120805053	Vikki	
8	160120805005	Mounika	143-188
	160120805022	Sathvika	
	160120805045	Bhanu Prakash	
9	160120805031	M. Soumya	143-188
	160120805033	N. Sravani	
10	160120805044	Balaji Doolam	143-188
	160120805046	Matta Chenna Keshava Charan	
11	160120805025	Shreechandra	143-188
	160120805028	Shriya Reddy	
	160120805038	Vennela	
12	160120805021	Sanjana Reddy	143-188
	160120805035	Tanmayi Boreda	
	160120805049	T. Gourav	
13	160120805026	Shreenija Peri	143-188
14	160120805003	Alwina G	143-188
	160120805006	Shynisha B	
	160120805029	Sneha	
15	160120805008	Sai Hari Hara Sudheshna Chunduru	143-188
	160120805023	Sharvani Pokala	
16	160120805001	Adithi	143-188
	160120805014	Kavya Pasirika	143-188
	160120805054	Mihir Chandra	143-188
17	160120805050	Harish	143-188
	160120805056	Chandra Varna	143-188
	160120805057	Prathibh	143-188
18	160120805013	Jyothika Meenakshi K	143-188
	160120805030	Souborni Nandy	
	160120805037	V Shreya Sharma	
19	160120805017	Neha Reddy M	143-188
	160120805024	Shivani Reddy K	
	160120805051	Hrithik Kolluru	
20	160120805019	Sirisha Valluru	143-188
21	160120805012	Hamsini	143-188
	160120805036	Umamah	
	160120805040	Abhishek	
22	160120805032	Spoorthi Sada	143-188
	160120805055	Rakesh Reddy	

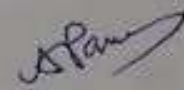
  
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 Gandipet, Hyderabad-500 075.

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Department of Biotechnology

List of the students attended for NIAB Visit on 28-12-23(HISF Programme)

S.NO	Roll Number	Name of the student	Signature
1	160120805008	Chunduru SaiHari Hara Sudheshna	
2	160120805013	Jyothika Meenakshi Kambhampati	
3	160120805023	Pokala Sharvani	
4	160120805027	Banalla Shreya	
5	160120805032	Spoorthi Sada	
6	160120805043	BADHE NITINRATNAM	
7	160120805046	MATTACHENNAKESHAVACHARAN	
8	160120805048	DIVYAMSHU SURABHI	
9	160120805057	DIDUGULALITHAKUMARI SAIPRATHIBH	
10	160120805058	CHINTHAKINDHI SAMANTH	

  
Faculty Incharge

HOD   
Biotechnology

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS**  
**Department of Biotechnology**  
**B.Tech. (BIOTECH) - VI SEMESTER**  
**Industrial Visit to Indian Immunologies Ltd.(IIL) on 22/03/2024**  
**Student Attendance Sheet**

S.No	Rolls List	Name of the Candidate	Signature
1	1601-21-805-001	ALEKHYA PASUMARTHY	<i>Alekhy</i>
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	<i>Khadija</i>
3	1601-21-805-003	ANANYA SURABHI	<i>Ananya</i>
4	1601-21-805-004	ANSHIKA GUPTA	<i>Anshika</i>
5	1601-21-805-005	ASHRITA KOTTAKOTA	<i>Ashrita</i>
6	1601-21-805-006	BIKKUMALLA SHRUTI	<i>Shruti</i>
7	1601-21-805-007	BOCHA SRITHA	<i>Bocha</i>
8	1601-21-805-008	CAMBAMPATY AKSHITA NAIDU	<i>Akshita</i>
9	1601-21-805-009	DANNE SHAMITHA	<i>Shamitha</i>
10	1601-21-805-010	DENDI MEGHANA	<i>Meghana</i>
11	1601-21-805-011	GADDA THABITHA	<i>G. Thabitha</i>
12	1601-21-805-013	GOLLA VASANTHI	<i>Vasanthi</i>
13	1601-21-805-014	GOTTE GRACE HEPSIBAH	ABSENT
14	1601-21-805-015	GRANDHI MANOGNADEVI	<i>Manogna</i>
15	1601-21-805-016	I KAVYASRI	<i>Kavya</i>
16	1601-21-805-017	JANGALA HARI PRIYA	<i>Hari Priya</i>
17	1601-21-805-018	JELLA RITHIKA	ABSENT
18	1601-21-805-019	KAMMARI HARSHITHA	<i>Harshitha</i>
19	1601-21-805-020	KANUGANTI AKHILA	<i>Akhila</i>
20	1601-21-805-021	KEERTHANA NALLA	<i>Keerthana</i>
21	1601-21-805-022	KIRTHIKHA SHANMUGA SUNDER	<i>Kirthika</i>
22	1601-21-805-023	LOKAM PRANAVI SRI SAI	<i>Pranavi</i>
23	1601-21-805-024	MADAMANCHI LAKSHMI PRASANNA SAI	<i>Lakshmi</i>
24	1601-21-805-025	MADIKUNTA DIVYASREE	<i>Divya</i>
25	1601-21-805-026	MADU AISHWARYA	<i>Aishwarya</i>
26	1601-21-805-027	MAHIMA KALYANAM	<i>Mahima</i>
27	1601-21-805-028	MEDISETTY RASHMI	<i>Rashmi</i>
28	1601-21-805-029	MUKKA JAHAVI	ABSENT
29	1601-21-805-030	MUSKAN	<i>Muskan</i>
30	1601-21-805-031	N PRASHANTHI	<i>Prashanthi</i>



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32	1601-21-805-033	PHALGUNI NADIGER	P. Nadiger
33	1601-21-805-034	PUNREDDY AKSHITHA	Punjitha
34	1601-21-805-036	REKHAM POGIITHA	Rekham
35	1601-21-805-037	REMALLA PRIYANKA	Remalla
36	1601-21-805-038	ROSHINI PERUMAL	Roshini
37	1601-21-805-039	SHREYA TATI	Shreya
38	1601-21-805-040	THODE MEHA	Meha
39	1601-21-805-041	THOGARI RASHMITHA	Rashmi
40	1601-21-805-042	VAISHNAVI GANGAPURI	Vaishnavi
41	1601-21-805-043	VEMPATI VAIDEHI PRAVALIKA	Pravalika
42	1601-21-805-044	VISLAYATH SNEHA	Sneha
43	1601-21-805-045	VUYYURU HASANTHI	Hasanti
44	1601-21-805-046	YAKKANTI VAISHNAVI	ABSENT
45	1601-21-805-047	ADVAITH ROY	Advaith
46	1601-21-805-048	DHRUV TADIKONDA	Dhruv
47	1601-21-805-049	ESAMPALLY PRAMOD KUMAR	Pramod
48	1601-21-805-050	GILKAPALLY KUSHIK	G. Kushik
49	1601-21-805-051	GUGULOTH BHASKAR	G. Bhaskar
50	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	ABSENT
51	1601-21-805-053	HANDE ADITYA K	Aditya
52	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	Keertan
53	1601-21-805-055	KUNAM SAI SUNDER	Sai Sunder
54	1601-21-805-056	MANIKONDA RAHUL	Rahul
55	1601-21-805-057	MOHAMMED RAHMANUDDIN	Mohammed
56	1601-21-805-058	PARSHA TILAK	Parsha
57	1601-21-805-059	POLAMBRAJU VENKATA KASYAP	Polambraju
58	1601-21-805-060	REGOTI SAIRAM	Sairam
59	1601-21-805-061	SAVARKAR SHIVA PRASAD	Shiva
60	1601-21-805-062	SHUMAYL MOHAMMED SAMI	Shumayl
61	1601-21-805-063	SYED ZUBER ALI	Syed Zuber
62	1601-21-805-064	TOGANTI KRANTHI	Kranti

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS

Department of Biotechnology

B.Tech. (BIOTECH) - IV SEMESTER

Industrial visit to Prathista Fermentation Industries Pvt.Ltd, Chowdappal, Hyderabad, Telangana on 15-4-2024

S.No	Rolls List	Name of the Candidate	Signature
1	160122805001	ADEPLI SRIHITA	<i>[Signature]</i>
2	160122805002	ANANYA SUMA KONDA	<i>[Signature]</i>
3	160122805003	AREEBAH MAZHER	
4	160122805004	BEEFUPALLI KAVYASREE	<i>[Signature]</i>
5	160122805005	BHAVANA PULVARTHI	<i>[Signature]</i>
6	160122805006	BURRA SUSHMA	<i>[Signature]</i>
7	160122805007	CHELEMALA KATYAYANI	
8	160122805008	DHRUTI DOUNDE	<i>[Signature]</i>
9	160122805009	GOLLAPALLI MALAVIKA MALLESHWARI	<i>[Signature]</i>
10	160122805010	HADIYA KAUKAB	
11	160122805011	HARSHITHA VALAPA	<i>[Signature]</i>
12	160122805012	ISHITA PRASAD	<i>[Signature]</i>
13	160122805013	JAGIRYALA SHRUTILAYA	<i>[Signature]</i>
14	160122805014	JANGAM KESAVA SREE	<i>[Signature]</i>
15	160122805015	K M SWATHI	<i>[Signature]</i>
16	160122805016	K SHIVATHMIKA REDDY	<i>[Signature]</i>
17	160122805017	K SREE SAHITHI REDDY	
18	160122805018	D BHOMIKA	<i>[Signature]</i>
19	160122805019	KOMMERA AKSHAYA	<i>[Signature]</i>
20	160122805020	L VARSHITHA	<i>[Signature]</i>
21	160122805021	LAYA VINUKONDA	<i>[Signature]</i>
22	160122805022	MEHVISH FATIMA	<i>[Signature]</i>
23	160122805023	MOHAMMAD MUSKAN	<i>[Signature]</i>
24	160122805024	N SATVIKA	<i>[Signature]</i>
25	160122805025	NITLURI TRIPURA	<i>[Signature]</i>
26	160122805026	PALAKODETI SREYA	<i>[Signature]</i>
27	160122805027	PENCHALA DISHA	<i>[Signature]</i>
28	160122805028	PERUGU BHAVANA	
29	160122805029	POGADABANDA SUPRAJA	<i>[Signature]</i>
30	160122805030	SAMHITHA REDDY CHINTHALAPUDI	<i>[Signature]</i>
31	160122805032	SATVIKI MAYA	<i>[Signature]</i>
32	160122805034	SHRUTI DAS MOHAPATRA	<i>[Signature]</i>
33	160122805035	SMITHANYA GADEELA	<i>[Signature]</i>
34	160122805036	SYEDA FATIMA HASAN	

Rolls List	Name of the Candidate	Signature
160122805037	THIRUMALA REDDY LAASYA SRI	Laasya ✓
160122805038	THAMMANA SOUJANYA	Soujanya ✓
160122805039	THOLUPUNOORI VARSHINI	Varshini ✓
160122805040	VELTUR SAI NIKHITHA	Nikhitha ✓
160122805041	VENKATA SAI NIKITHA TEKU	Nikhitha ✓
160122805042	VINIRAVATH ANUSHA	Anusha ✓
160122805043	YANAMALA SWARNA MANJARI	
160122805044	AMOGH ANIL BELLURKAR	Amogh ✓
160122805045	BASIKE BHARATH	
160122805046	BOMMERA RAVIKUMAR	
160122805047	CHATURVEDULA P. PRANEETH	
160122805048	CHIGURU PRADEEP KUMAR	Pradeep ✓
160122805049	DAMA VINAYAK SNEHIT	
160122805050	H KUNAL KUMAR	Kunal ✓
160122805051	K ADITHYA SRILAN	Adithya ✓
160122805052	KATHIRAM VATHAN KRISHNA REDDY	Krishna ✓
160122805053	KORRA CHARAN NAIK	Charan ✓
160122805054	KURELLA SAITEJAS	
160122805055	MALLELA JOSEPH ASISH	
160122805056	MUTHYALA SRIKANTH	Srikanth ✓
160122805057	PATTEM RAJKUMAR	Rajkumar ✓
160122805058	PISHATI RITHIK REDDY	
160122805059	SALKAPURAM JOHN WESLY	John ✓
160122805060	TANMAY DACHA	Tanmay ✓
160122805062	TURAKULA VENKATA SAI KARTHIK	Karthik ✓
160122805063	ZUBAIR SHAIK HUSSAIN	

Faculty incharges

Dr. C. Obula Reddy  
Dr. C. Nagendranatha Reddy  
Dr. Y. Rajasri

Head ATP  
Dept. of Biotechnology  
15.04.2022

## AY 2023-24

S. No	Name of the Industry Visited	Dates of Industrial Visit	No of Students attended /Visited
1	Center for cellular and Molecular Biology, Hyderabad	04-08-2023	50
2	NIAB, Hyderabad	28-12-2023	10
3	Indian Immunological limited, Hyderabad	22-03-2024	57
4	Prathishta Industries Pvt Ltd, Hyderabad	15-04-2024	44

## AY2023-24

### Industrial visit Report – Center for Cellular Molecular Biology, Hyderabad on 04th, August 2023

Duration: 1day

Industry Name: **Center for Cellular Molecular Biology, Hyderabad, India**

#### INDUSTRY VISIT REPORT:

#### CENTER FOR CELLULAR AND MOLECULARBIOLOGY (CCMB)

Date: **04-08-2023**



**Submitted To:**

Dr. C. Obula Reddy

Assistant Professor

Department of Biotechnology

CBIT

The one-week "One Lab" event at the Centre for Cellular and Molecular Biology (CCMB) was a transformative experience for the group of B.Tech Biotechnology students from Semester 7 who had the privilege to visit this esteemed research institution. The primary objective of this visit was to immerse ourselves in the world of cutting-edge research conducted at CCMB and to gain a profound understanding of its far-reaching implications in the field of biotechnology.

Our journey at CCMB began with an engaging orientation program that served as the perfect introduction to the institution's diverse and groundbreaking research projects. This session was instrumental in providing us with a comprehensive overview of the institution's work and its immense significance in the scientific community.

**1. Genomics: Applications and Scope (Dr. Aneek Das Bhowmik, Senior Analyst):**

Dr. Aneek Das Bhowmik's presentation on "Genomics: Applications and Scope" was truly gripping. He eloquently illuminated the pivotal role genomics plays in modern biology. We learned that genomics extends its influence across a multitude of applications, from unravelling the mysteries of genetic disorders to tailoring personalized medicine solutions. Dr Bhowmik's insights left us impressed by the power and potential of genomics to revolutionize healthcare and our understanding of life itself.

**2. Stem Cells: Architects of Life's Blueprint During Development (Debabrata Jana, PhD Scholar):**

Following Dr. Bhowmik's enlightening talk, Debabrata Jana, a dedicated Ph.D. scholar at CCMB, delved deep into the world of stem cells. His presentation on "Stem Cells: Architects of Life's Blueprint During Development" opened our eyes to the critical role stem cells play in embryonic development and tissue regeneration. The complicated mechanisms discussed left a lasting impression on us, highlighting the promise of stem cell research in addressing medical challenges.

**Stress and Depression: It's Not All in the DNA (Annapoorna, PhD Scholar):**

Annapoorna's presentation, "Stress and Depression: It's Not All in the DNA," was a thought-provoking exploration of the complex factors influencing stress and depression. Her insights emphasized that these conditions are not solely determined by genetics but rather result from a delicate interplay of genetic predisposition and environmental factors. This understood perspective challenged our understanding of mental health and underscored the need for holistic approaches to addressing these issues.

The knowledge gained from these presentations was just the beginning. After the orientation program, we were privileged to explore a diverse array of research projects through interactive exhibitions:

- ❖ **Crop Improvement of Samba Mashuri Rice:** We marveled at the ongoing efforts to enhance the yield and quality of Samba Mashuri rice through genetic interventions. This project showcased the potential of biotechnology in addressing global food security challenges.
- ❖ **Developmental Biology:** This exhibit offered fascinating insights into the intricate processes governing the development of organisms. It showcased the remarkable journey from a single cell to complex multicellular organisms, highlighting the wonders of life itself.
  - ❖ **Cell and Stem Cell Biology:** Our exploration of the world of stem cells and their role in regenerative medicine and tissue engineering was truly eye-opening. We left with a profound appreciation for the potential of stem cells to transform healthcare.
  - ❖ **Science and Society:** This stall underscored the pivotal role of scientific research in addressing pressing societal challenges. It emphasized how scientific advancements at CCMB were making a positive impact on society at large.
  - ❖ **Genomics and Epigenetic Regulation:** Here, we gained in-depth knowledge about the role of genomics and epigenetics in understanding the regulation of gene expression. This exhibit showcased the intricate molecular mechanisms that govern life processes.

Our visit concluded on a high note with a tour of the "Gene-Health Connect" mobile

science exhibition. This innovative showcase offered a glimpse into the latest advancements in genetics and their profound implications for healthcare and disease prevention. It was a fitting end to a week filled with enlightenment.

In conclusion, our industry visit to CCMB was nothing short of an enriching odyssey. As B. Tech Biotechnology students, this experience broadened our horizons and deepened our appreciation for the field of biotechnology. The presentations by renowned scientists and dedicated scholars ignited our passion for research and innovation. We are immensely

grateful to both our institution, CBIT, for facilitating this educational journey, and to CCMB for hosting us and providing this invaluable learning opportunity. This visit was a reminder that the frontiers of biotechnology are boundless, and our generation has the privilege and responsibility to push those boundaries further in the pursuit of scientific excellence and a better future for all.

### **Industrial visit Report – National Institute of Animal Biotechnology (NIAB), Hyderabad on 28th, December 2023**

Date of visit: 28-12-2023

Duration: 1 day

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

**About NIAB:** NIAB is the premier central govt institute established in 2016 under the aegis of Department of Biotechnology, UoH, Hyderabad. It is a premier institute dedicated for the doing research in animal biotechnology to improve the livestock and production of therapeutics in the prevention of animal diseases.

NIAB offers Projects, internships, workshops and providing a platform to do the advances in animal research which led to the award of PhD.

#### **Techniques demonstrated to the students:**

- 1) Operation of confocal microscope
- 2) Phase contrast Microscope
- 3) Inverted Microscope
- 4) FACS
- 5) HPLC
- 6) RT-PCR

#### **Distinguished Lecture:**

Our students got chance to listen the distinguished lecture delivered by eminent scientists as a part of **one day outreach Programme(IISF-2023)**, on advances in Biomedical research



and development in India.

He enlightened the students about how India became the global leader in manufacturer and supplier of vaccines and medicines.

**Our students got opportunity to interact with eminent scientists and understand the pivotal role of animal biotechnology**



**Group photo with scientists of NIAB on 28-12-2023(IISF Programme)**

 राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान (एन आई ए सी)  
(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त संस्थान)  
**National Institute of Animal Biotechnology**  
(An Autonomous Institute of the Department of Biotechnology, Ministry of Science & Technology, Govt. of India)

To: The Principal/Head of the Schools  
School/college Name: *CGIT College, Gandipet*  
Hyderabad

Date: *21.12.2023*

**INVITATION FOR ONE DAY OUTREACH PROGRAMME (IISF -2023)  
AT NIAB, HYDERABAD on 28<sup>TH</sup> DECEMBER, 2023**

Dear Sir/Madam,

We wish to introduce ourselves that we are National Institute of Animal Biotechnology (NIAB) under the aegis of Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India. We are the research organization involved in the research work and translational approach to strengthen the livestock health, productivity and efforts to enhance the livelihood of farmers in the country through animal health.

DBT under the **ONE DAY OUTREACH PROGRAMME (IISF -2023)** the scientist in the various institute of DBT to interact with the students and the faculties in the various schools and colleges. Hence, we have taken this opportunity to invite the student of your school/college science/Biotechnology students to visit our institute and participate in the discussion on the various aspects of the science, which will be encouraging and boosting to the young minds about happening science around the world.

Hence, we request you to select ten students (5 Boys+5 Girls) along with your two science faculties to participate in IISF-2023 at NIAB on 28.12.2023

We are looking for your positive response and wish that this will be a fruitful interaction, more encouraging to the students and phenomenal session.

We will be beholden for your support and co-operation.

Thanking you in anticipation  
With regards *[Signature]*  
*21.12.2023*

 *28.12.2023*  
*09:00 am*  
*(8121138971)*  
*(Dr. Jayant P. Hole)*

पत्राचार हेतु / For Correspondence  
सर्वोद्योग संस्था, 37, विस्तारित क्यू, सिटी मार्ग, पत्रकार कॉलोनी के सामने, गोलिदोड्डी के पास, गच्छिबावली, हैदराबाद, तेलंगाना, भारत - 500032  
Survey no.-37, Extended Q-city Road, Opp. Journalist Colony, Near Gowlidoddi, Gachibowli, Hyderabad Telangana, India - 500 032  
संपर्क / Direct दुर्घाण / Tel: +91 40 2312 0103, फ़ैक्स / Fax: +91 40 2312 0130  
ई-मेल / E-mail: admin@niab.org.in, वेबसाइट / Website: www.niab.org.in



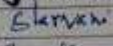




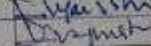




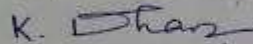


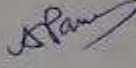
NIAB presented Participation certificates to Biotech students on 28-12-2024

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

List of the students attended for NIAB Visit on 28-12-23(HISF Programme)

S.NO	Roll Number	Name of the student	Signature
1	160120805008	Chunduru SaiHari Hara Sudheshna	
2	160120805013	Jyothika Meenakshi Kambhampati	
3	160120805023	Pokala Sharvani	
4	160120805027	Banalla Shreya	
5	160120805032	Spoorthi Sada	
6	160120805043	BADHE NITINRATNAM	
7	160120805046	MATTACHENNAKESHAVACHARAN	
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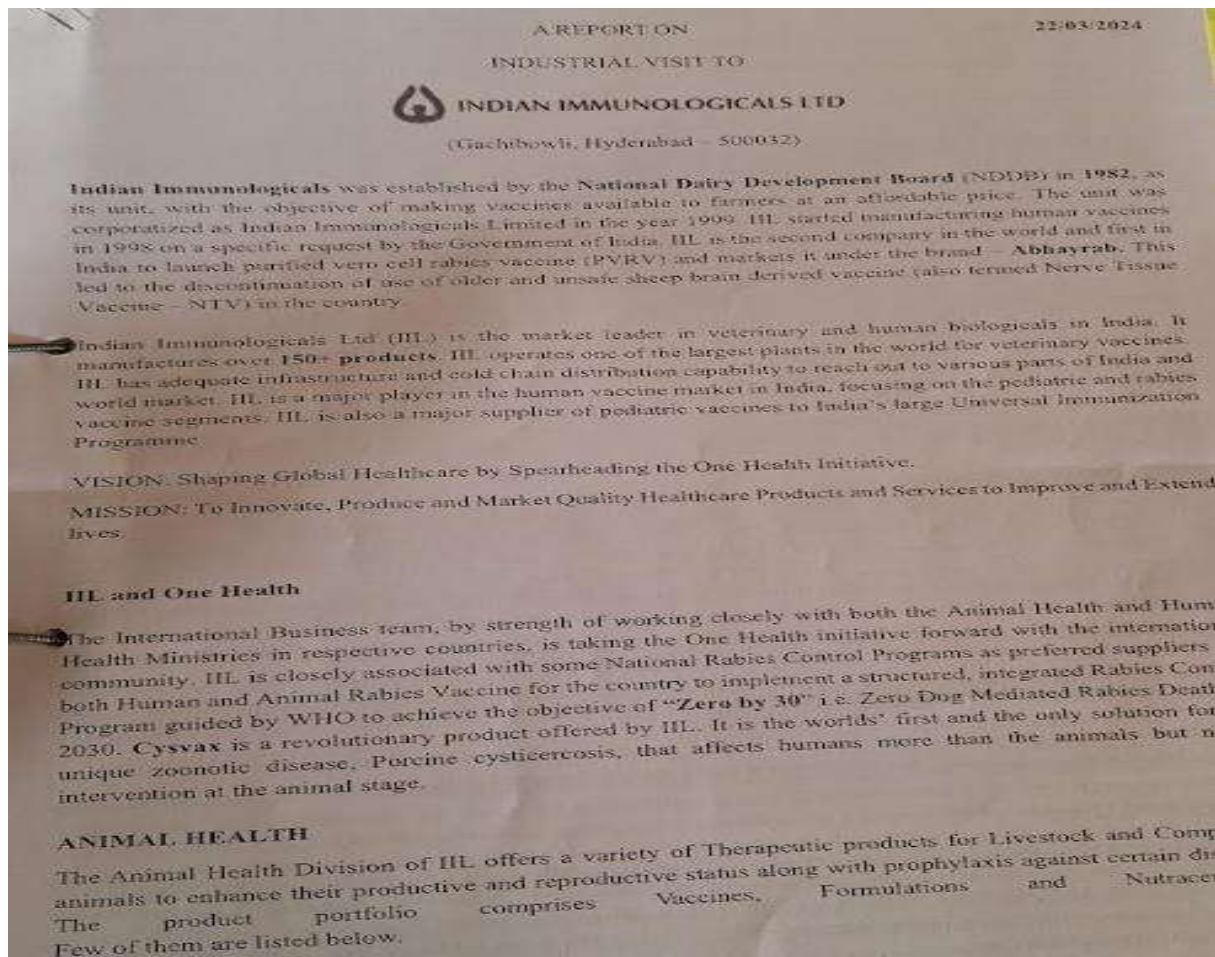
  
Faculty Incharge

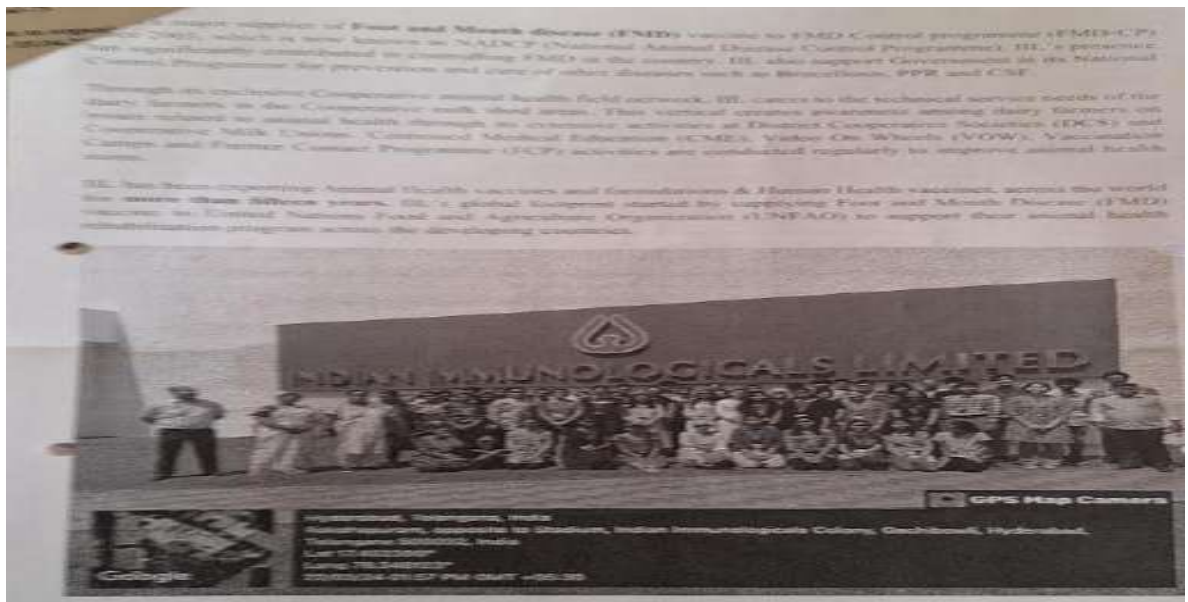
HOD   
Biotechnology

## Industrial visit Report – Indian Immunological LTD, Hyderabad on 22, March, 2024

Date of Visit: 22.3.2024

Industry : Indian Immunological limited  
Place Rakshapuram, Gachibowli, Hyderabad,  
500032, Telangana.





Brief Report on Indian Immunological Ltd visit and Group photo



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS  
 Department of Biotechnology  
 B.Tech. (BIOTECH) - VI SEMESTER  
 Industrial Visit to Indian Immunologies Ltd.(IIL) on 22/03/2024  
 Student Attendance Sheet

S.No	Rolls List	Name of the Candidate	Signature
1	1601-21-805-001	ALEKHYA PASUMARTHY	Alekhya
2	1601-21-805-002	AMATUL RAHMAN KHADIJA	Khadija
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24	1601-21-805-025	MADIKUNTA DIVYASREE	Divyashree
25	1601-21-805-026	MADU AISHWARYA	Aishwarya
26	1601-21-805-027	MAHIMA KALYANAM	Mahima
27	1601-21-805-028	MEDISETTY RASHMI	Rashmi
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34	1601-21-805-036	REKHAM POOJITHA	Rekham Poojitha
35	1601-21-805-037	REMALLA PRIYANKA	Remalla Priyanka
36	1601-21-805-038	ROSHNI PEJUMAL	Roshni Pejuma
37	1601-21-805-039	SHREYA TATI	Shreya Tati
38	1601-21-805-040	THODE NEHA	Thode Neha
39	1601-21-805-041	THOGARI RASHMITHA	Thogari Rashmitha
40	1601-21-805-042	VAISHNAVI GANSAPURI	Vaishnavi Gansapuri
41	1601-21-805-043	VEMPATI VAIDEHI PRAVALIKA	Vempati Vaidehi Pravalika
42	1601-21-805-044	VISLAYATH SNEHA	Vislayath Sneha
43	1601-21-805-045	VUYYURU HASANTHI	Vuyyuru Hasanthi
44	1601-21-805-046	YAKKANTI VAISHNAVI	Yakkanti Vaishnavi
45	1601-21-805-047	ADVAITH ROY	Advait Roy
46	1601-21-805-048	DHRLV TADIKONDA	Dhrlv Tadikonda
47	1601-21-805-049	ESAMPELLY PRAMOD KUMAR	Esampelly Pramod Kumar
48	1601-21-805-050	GILKAPALLY KOUSHIK	Gilkapally Koushik
49	1601-21-805-051	GUGULOTH BHASKAR	Guguloth Bhaskar
50	1601-21-805-052	GUTHIKONDA SAI PRASHANTH	Guthikonda Sai Prashanth
51	1601-21-805-053	HANDK ADITYA K	Handk Aditya K
52	1601-21-805-054	KANDIMALA VENKAT KEERTHAN	Kandimala Venkat Keertan
53	1601-21-805-055	KUNAM SAI SUNDER	Kunam Sai Sunder
54	1601-21-805-056	MANIKONDA RAHUL	Manikonda Rahul
55	1601-21-805-057	MOHAMMED RAHMANUDDIN	Mohammed Rahmanuddin
56	1601-21-805-058	PARSHA TILAK	Parsha Tilak
57	1601-21-805-059	POLAMRAJU VENKATA KASYAP	Polamraju Venkata Kasyap
58	1601-21-805-060	REGOTI SAIRAM	Regoti Sairam
59	1601-21-805-061	SAVARKAR SHIVA PRASAD	Savarkar Shiva Prasad
60	1601-21-805-062	SHUMAYL MOHAMMED SAMI	Shumayl Mohammed Sami
61	1601-21-805-063	SYED ZUBER ALI	Syed Zuber Ali
62	1601-21-805-064	TOGANTI KRANTHI	Toganti Kranthi

Students Attendance-Page2

**Industrial visit Report – Prathista Biotech PVT LTD, Hyderabad  
on 15th, April. 2024**

Duration: 1 day (15-4-2024)

Industry Name: PRATHISTA Biotech Pvt LTD, Hyderabad,

Chowtuppal. Duration: 1 day

We are the students of **B. Tech Biotechnology IV Sem**(54 Students) and 3 faculty members visited the Fermentation technology industry PRATHISTA Fermentation technologies PVT LTD in Choutuppal, Nalgonda (dist), Telangana State.



*The pride of being*

## A Report On Industrial Visit To PRATISTHA INDUSTRIES

“Prathista 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**”

### **I. INTRODUCTION:**

On 15th April 2024, We the students of biotechnology 2nd year visited the Prathista Industries has an industrial visit. Prathista Industries Limited (Research and Technology driven company) promoted by a Young Technocrat - Dr. K.V.S.S. Sairam in 1996. Prathista is first of its kind in the concept of “Waste into Wealth” a biotechnology project that was technically wetted and financially supported by Technology Development Board, Department of Science & Technology, Government of India, New Delhi.

Prathista Industries Limited is one of Asia's largest industrial fermentation establishments. Prathista is manufacturing and marketing wide range of “Eco-friendly and Bio-Technology products”. A unique feature of Prathista is having both the “aerobic and anaerobic fermentation facilities” under one roof for dealing with multiple strains simultaneously by using carbohydrates as raw material. By dealing with various microbes including fungus for production, Prathista cater the needs of multiple segments viz., Pharma (gluconic acids & its salts, lactic acid & its salts, Lacto gluconates), Food (Natural mold inhibitor, cheese ingredient, natural vinegar, and natural meat preservative) , Animal health care (cattle or poultry feed supplements), Agriculture (organic agri inputs, bio-fertilizers, bio-Pesticides, bio-control agents, botanical crop protectors), Organic solvents and Bio-Fuel etc.

**Prathista is an “ISO 9001, ISO 14001, ISO 18001, HACCP & ISO 22000: 2005” certified company.**

Prathista Vision is to add multidimensional value to plant-based Bio Pharma, food industry, organic agriculture, animal health care, livestock industry & society at large by focusing on the total crop management, improving productivity, quality, enhancing shelf life & gut health on sustainable basis, hereby providing innovative, eco-friendly, cost effective, non-GMO and lean label high quality organic products, across various segments as a viable business proposition.

**R&D Recognition & Objectives**

Prathista has established its own R&D Centre since inception and was inaugurated by Secretary to Govt. of India, Ministry of Science and Technology.

Prathista in-house R & D center was first recognized by **Department of Scientific and Industrial Research (DSIR), Govt. of India**. Subsequent to this recognition, Prathista R&D center has been recognized by few Universities & academia as a training station for Post Graduates and Ph.D. students for conducting research.

Prathista R & D activities are specifically governed by a Board of Directors and Chief Promoter Dr. Sairam himself to contribute in significant new products developed from the wide exposure gained with knowledge.

Besides, there is a Technical Advisory Committee (TAC) in Prathista R & D center. TAC comprises **Eminent Professionals from industries and academia** to guild Prathista's research programs at peak. Prathista R&D Centre is located near to Hyderabad, the IT hub of the country and has access to many professionals and institutions in the state for sustainable interactions.

To create value addition to carbohydrates through Bio-Technology process with Waste to wealth concept.

#### **Thrust areas:**

To enhance the business interests in line with the need of the nation, the following thrust areas have been identified.

- Agro Bio-Technology
- Food and Industrial Bio-Technology
- Pharma Biotechnology
- Industrial Waste Management

#### **Net Working and Linkages:**

Prathista has networks with national laboratories and universities or academia under private-public partnership. They are sponsoring research programs to develop innovative process protocols, for Prathista's further growth.

To strengthen interaction between industry and academia, several projects works, training and research programs have been initiated with Department of Bio-Technology, Govt. of India in the areas of biochemistry, microbiology, biotechnology, and environmental engineering.

- The company is one of the industrial partners of the prestigious **NMITLI program**.
- Viable linkage with major state **Agricultural Universities**.
- Linkage with national bodies like **DST, DBT, CSIR, IARI, and ICAR**.
- Prathista signed LOI with **Agri-Food and Agriculture Canada** (Department of Agriculture) for a long term and sustainable research activities for agriculture development in Canada.
- A confidentiality agreement with **McGill University** for a long term and sustainable Joint Research activities in for mutual developments.
- Prathista is having viable linkages with the **International Universities** like University of Florida, United States; Makerere University, Uganda; Laval University, Laval, Canada; National Agricultural Research Institute, Guyana; National Agricultural Research Institute, Kenya; University of Sabha-Malaysia, Malaysia; Agricultural University of Ghana, Ghana.

#### **Post Graduate and Ph.D. degree program:**

Prathista has been recognized by few universities to strengthen interaction between industry and academia. Thus many training and research programs, project work activities have been initiated for Post Graduates and Ph.D. Students with real industrial exposure for better future development.



Besides, Partly Paper & Partly Research (PPPR) program has been well implemented with few universities for Post Graduation and Ph.D. Degree programs for dedicated and qualified technical staff.

**Training:** In-plant training and project work to biochemistry, microbiology, and biotechnology Post Graduates & Ph.D. students.

**Facilities:** Prathista R&D center is established within manufacturing premises in the separate independent block, having well-furnished laboratory area of 7,000 SFT and 25,000 SFT for state of the art pilot plant and post-fermentation processing facilities.

**Unique Pilot Plant Facilities:** Seed fermentation facilities starting from 1 L capacity to 5,000 L capacity are installed with suitable post fermentation facilities in place for carrying out any bench scale research program. Unique facilities like a variety of drying equipment, distillation columns, evaporators, and glass or graphite lined reactors are also installed for research programs.

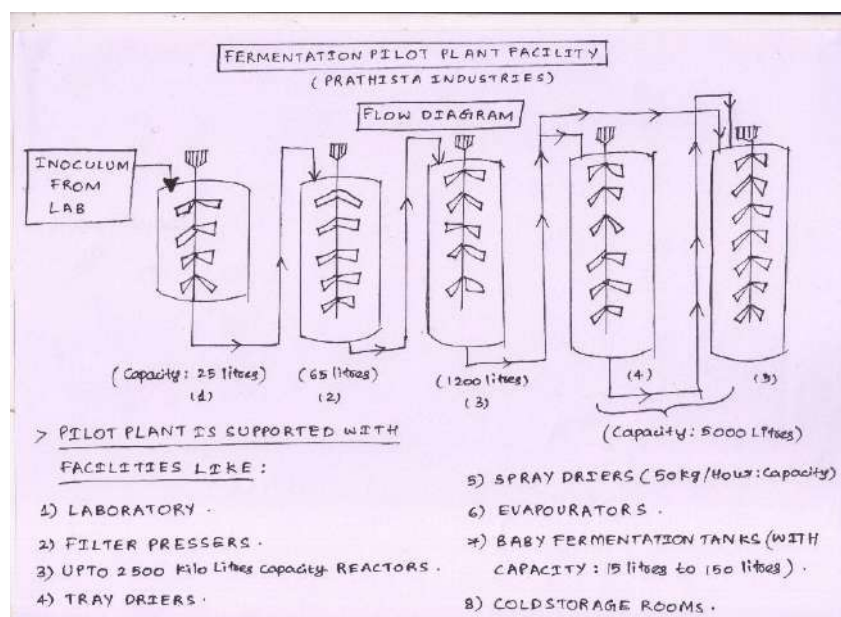


Fig.no.1 FERMENTATION PILOT PLANT- DESIGN AND ITS UNIQUE FACILITIES

- **Experimental Research Farm:** Approximately 25 acres of experimental research farm and 4,000 SFT greenhouse are existing adjoining to the R&D facilities for **Agro Bio-Technology** department to conduct field experiments in tune with ICAR and state wise agricultural university norms.

### Prathista Credo

- Excellence & efficiency
- Eco-friendly technologies,
- Customer satisfaction

## II. Overview of the Visit:

On 15<sup>th</sup> April, 2024. We started our trip from the collage around 9:30am and we reached the industry by 11 am as soon as we reached the industry, we filled the entry form with basic details like name and phone number we deposited our mobile phone at the entry gate itself. From there we attended the theory session at 11: 30 am which continued till 12:30 pm.

In theory session:

The manager sir explained to us about the history and vision and mission of Prathishtha industries.

Prathishtha Industries a zero-waste discharge biotech industry which is based on the fermentation process both aerobic and anaerobic processes take place in this industry.

The industry has various sectors like Food, Pharma Agriculture, Feed.

The industry started in 1996 with the production of Protinates. In 1998 they started producing gluconates and lactates in 2002 and in 2015 propionates. These are produced from the salts for example gluconate from gluconic acid. The above products are used as a very good preservative input industry.

The process is divided into upstream processing and downstream processing. in upstream processing is for producing the product and downstream processing is for formulation (I e after product formation).

The example for this process is:

The carbohydrates source like mess or wheat is pulverized into size 1 mm to 1.5 mm. That powder is hydrolyzed under enzymes in the reactor (in the reactor the water + enzyme (Alpha amylase). From there the mixture is filtered with the help of plate frame press the residue contains protein or fiber which is used as substrate in other sectors like the agriculture sector and the filtrate is added with saccharification enzyme (amylo glucosidase). The monomeric units of glucose are formed which is used as substrate for fermentation.

The level of increasing the subtract production is from 50 l to 500 l to 5k litre to 30 k litre / 50 k liter.

The working volume is 80% of the actual volume that is for example in 50 l the working volume is only 40 l in which the 10% is inoculum that is 4 l is inoculum.

The 36 l contains glucose + other nutrients which are sterilized under room temperature now the 4 l inoculum is added and made to 40 l this 40 l is the inoculum for the fermentation of 500 l in which 360 l of glucose and other nutrients are added with this inoculum and made up to 400 l which is actual working volume. This type of fermentation is called seed tank fermentation.

**Note: the transfer of the inoculum is only in the log phase.**

To know the fermentation process is completed or not the reducing sugars are measured if the reducing sugar is almost equal to zero then the fermentation process is done.

After the fermentation process under 90° Celsius all the microbes are killed and now send to downstream processing

In which the removal of dead biomass that is filtration is done. The filtrate is decolorized using activated carbon and sent to the reactor where the concentration of filtrate is increased from 10 to 12% to 30% to 35% using the process evaporation (spray drying).

The residue that is protein cake is sent to the agriculture sector used as biofertilizer.

After all these explanations their health question and answer session.

**First question**

How could you balance the waste the test produced from the industry

**Answer**

The waste produced from one sector is used as a substrate for the other sector, for example the residue protein cake as biofertilizers in the agriculture sector.

**Second question**

Difference between the single chamber evaporator and triple chamber evaporator

**Answer**

In single chambered evaporator the source steam should be supplied to the evaporator that is sufficient for the whole process but in triple chamber evaporator the source steam is applied only once. In a triple chamber evaporator, the outlet of one chamber is the source steam for the

other chamber so the requirement of source steam is less compared to the single chambered evaporator.

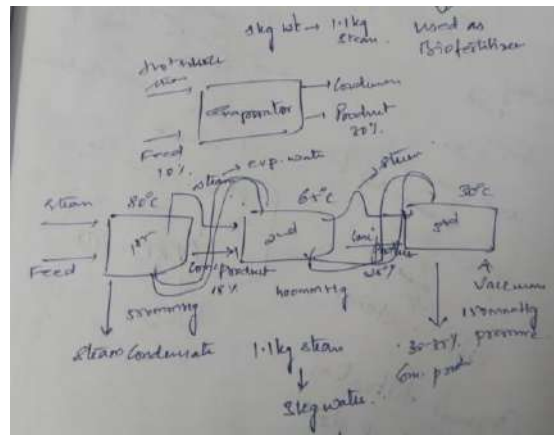


Fig.no.3 diagram supporting above answer.

### Third question

If the contamination occurs at 5 k l how will you manage.

### Answer

At that moment the microorganisms in the contaminated mixture are killed and filtered from which the filtrate is utilized in other different sectors.



Fig. no.3&4 the students attending the theory session & the manager sir giving the lecture.

After this question-and-answer session we had a break of 30 minutes and around at 1:00 p.m. we divided into two different groups and went for the visit.

First we visited the glucose plant with Dr. Pawan Kumar kancharla - R&D, in glucose plant based on the season second grade food products such as corn rice wheat etc are used as the main carbohydrates source. The process of production of monomeric glucose which is used as a substrate is produced in the open reactors under 30 to 32 degree Celsius where the highest temperature of a hope and reactor is 120 degree Celsius but but we can't maintain 120 degree Celsius so 100 degree celsius is the highest temperature that is maintained in a reactor. There are four different coloured channels:

- Yellow colour is for feed
- Green colour is for water
- Dark blue colour is outlet
- Sky blue colour is for inlet

And the silver is for steam these colours differ from industry to industry but the water channel is always green.

The pH is maintained at 6 to 6.5 for 5 K L and temperature is 100 to 105 degree Celsius for an OPRP.

Inflated plate filters the residue collected on the cloth substrate comes out through the pipes which is again directly sent into either the cooling towers or directly into the next process. 30 to 32 degree Celsius (lacto bacillus) temperature is maintained in the cooling tower using the sprays.

Cilo is the shape of the tank that is used in the fermentation process which is easy to store the materials and also helps in easy moment of materials for packaging.

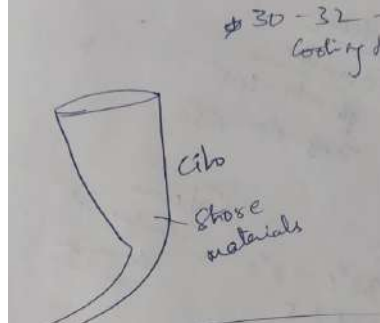


Fig.no.5 diagram of cilo.

The anaerobic fermentation in general takes 24 hours to complete but some of the reactions complete in 15 hours also. The total process is completed in 10 days.

And then we visited the pilot plant.

Were in pilot plant development of new product or the experiments are carried out. The fermentation is done with 25 l where 2 l inoculum the inoculam is added through the pipe by creating an artificial fire for avoiding contamination. After the fermentation process is completed the transfer of this mixture is done in the log face this sent to the spray dryers where the liquid form is converted to powder form. The different types of the spray dryers are trade dryer, spray dryer, rotary dryer, FBD fluidised bed dryer etc. these dryers helps in removing the moisture from the Powder. This powder form is told in the cilo and then packed.

**Note: all the fermentation processes are carried out in batch mode only.**

By this we completed our industry visit successfully and we thank Dr Pawan Kumar kancharla sir.

And then we took a group photo and collected our mobiles from the entry gate by this we completed our industrial visit.

### III. DISCUSSION:

The visit to Prathista Industries Limited provided a comprehensive understanding of their innovative approach to industrial fermentation and sustainable practices. Through the theory session and plant tours, several key discussions emerged:

1. **Fermentation Processes and Product Diversification:** Prathista Industries utilizes both aerobic and anaerobic fermentation processes across various sectors such as Food, Pharma, Agriculture, and Feed. The company has diversified its product range over the years, starting with Protinates in 1996, followed by gluconates, lactates, and propionates. These products serve as effective preservatives and have applications in multiple industries.

2. **Upstream and Downstream Processing:** Understanding the distinction between upstream and downstream processing is crucial. Upstream processing involves the production of the desired product, while downstream processing focuses on product formulation and refinement. This involves steps such as hydrolysis, filtration, and sterilization to prepare the substrate for fermentation and ensure product purity.

3. **Scale-up Strategies:** Prathista Industries employs a systematic approach to scale up fermentation processes, increasing production volumes from 50 liters to 50,000 liters. The utilization of seed tank fermentation and maintaining optimal working volumes ensures efficient and controlled production scalability.

4. **Quality Control and Process Monitoring:** Monitoring the fermentation process is essential for ensuring product quality. Techniques such as measuring reducing sugars help determine the completion of fermentation. Additionally, downstream processing involves filtration, decolorization, and concentration to purify the product before further utilization.

5. **Waste Management and Sustainability:** Prathista Industries adopts a zero-waste discharge approach, where waste from one sector serves as a substrate for another. For example, the protein cake residue is utilized as biofertilizer in the agriculture sector, showcasing their commitment to sustainability and circular economy principles.

6. **Equipment and Technology:** The plant tour provided insights into the equipment and technology used in fermentation and downstream processing, such as reactors, filters, evaporators, and dryers. Understanding the functionality and significance of each equipment type enhances comprehension of the overall production process.

7. **Research and Development:** The pilot plant visit highlighted the importance of research and development in product innovation and experimentation. Batch mode fermentation allows for controlled experimentation and testing of new products before scaling up for commercial production.

Overall, the discussions encompassed various aspects of industrial fermentation, ranging from process optimization and waste management to quality assurance and innovation. Prathista Industries' commitment to sustainable practices and technological excellence underscores its leadership in the biotechnology landscape.

#### **IV. Conclusion.**

Our visit to Prathista Industries Limited was an extraordinary exploration into the world of industrial fermentation, innovation, and sustainability. We were amazed by the advanced technology driving the fermentation processes and impressed by Prathista's dedication to quality, sustainability, and customer satisfaction.

Prathista Industries Limited shines as a model of excellence in biotechnology, with its innovative "Waste into Wealth" approach and adaptable fermentation capabilities setting new standards for sustainable business practices. The company's relentless commitment to innovation, combined with its collaborative spirit and customer-centric approach, positions it as a frontrunner in the industry, poised for further growth and success.

As we bid farewell to Prathista Industries Limited, we carry not only a wealth of knowledge and insights but also a profound admiration for the transformative potential of fermentation in shaping a more sustainable and prosperous future.

At the end of this visit the industry offered us the internship of approx.50 intake for which we are very happy and thankful to the industry.





**Group photo of Biotech faculty and students with the Prathishta Industry scientists on 15-04-2024**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, AUTONOMOUS  
 Department of Biotechnology  
 B.Tech. (BIOTECH) - IV SEMESTER  
 Industrial visit to Prathishta Fermentation Industries Pvt.Ltd. Chowdappa, Hyderabad, Telangana on 15-4-2024

S.No	Rolls No	Name of the Candidate	Signature
1	160122805001	ADEPU SRIBITA	[Signature]
2	160122805002	ANANYA SUMA KONDA	[Signature]
3	160122805003	AREEBAH MAZHER	[Signature]
4	160122805004	BESUPALLI KAVYASREE	[Signature]
5	160122805005	BHAVANA PULIVARTHI	[Signature]
6	160122805006	BURBA SUSTHNA	[Signature]
7	160122805007	CHELEMALA KATYAYANI	[Signature]
8	160122805008	DHRUTI DOUNDE	[Signature]
9	160122805009	GOLLAPALLI MALAVIKA MALLECHWARI	[Signature]
10	160122805010	HADIYA KAURAB	[Signature]
11	160122805011	HARSHITHA VALAPA	[Signature]
12	160122805012	ISHITA PRASAD	[Signature]
13	160122805013	JAGHRYALA SRIBHILAYA	[Signature]
14	160122805014	JANGAM RESAYA SREE	[Signature]
15	160122805015	K M SWATHI	[Signature]
16	160122805016	K SHIVATHIRIKA REDDY	[Signature]
17	160122805017	K SREE SWATHITHI REDDY	[Signature]
18	160122805018	U BHIDOMIKA	[Signature]
19	160122805019	KONNIGERA AYSHAVA	[Signature]
20	160122805020	E VARSHITHA	[Signature]
21	160122805021	LAYA VINUKONDA	[Signature]
22	160122805022	MEHVISH FATIMA	[Signature]
23	160122805023	MOHAMMAD MUSKAN	[Signature]
24	160122805024	N SATVIKA	[Signature]
25	160122805025	NATLUG TRIPURA	[Signature]
26	160122805026	PALAKODETI SREYA	[Signature]
27	160122805027	PENCHALA BISHA	[Signature]
28	160122805028	PERUGU BHAVANA	[Signature]
29	160122805029	POGADADANDA SUPRAJA	[Signature]
30	160122805030	SAMHITHA REDDY CHINTHALAPUDI	[Signature]
31	160122805031	SATVIKI MAYA	[Signature]
32	160122805032	SHRUTI DAS MOHAPATRA	[Signature]
33	160122805033	SMITHANYA GADEELA	[Signature]
34	160122805034	SYEDA FATIMA HASAN	[Signature]

**Students Attendance-Page-1**

Sl. No	Rolls List	Name of the Candidate	Signature
35	160122805037	THIRUMALA REDDY LAASYA SRI	Laasya ✓
36	160122805038	THAMMANA SOUJANYA	Soujanya ✓
37	160122805039	THOLUPUNOORI VARSHINI	Varshini ✓
38	160122805040	VELTUR SAI NIKHITHA	Nikhitha ✓
39	160122805041	VENKATA SAI NIKITHA TEKU	Nikhitha Teku ✓
40	160122805042	VINJRAVATH ANUSHA	Anusha ✓
41	160122805043	YANAMALA SWARNA MANJARI	
42	160122805044	AMOGH ANIL BELLURKAR	Amogh ✓
43	160122805045	BASIKE BHARATH	
44	160122805046	BOMMERA RAVIKUMAR	
45	160122805047	CHATURVEDULA P PRANEETH	
46	160122805048	CHIGURU PRADEEP KUMAR	pradeep ✓
47	160122805049	DAMA VINAYAK SNEHIT	
48	160122805050	H KUNAL KUMAR	Hkunal ✓
49	160122805051	K ADITHYA SRILAN	Adithya Srilan ✓
50	160122805052	KATHRAM VATHAN KRISHNA REDDY	
51	160122805053	KORRA CHARAN NAIK	charan ✓
52	160122805054	KURELLA SAITEJAS	
53	160122805055	MALLELA JOSEPH ASISH	
54	160122805056	MUTHYALA SRIKANTH	Srikanth ✓
55	160122805057	PATTEM RAJKUMAR	Rajkumar ✓
56	160122805058	PISHATI RITHIK REDDY	
57	160122805059	SALKAPURAM JOHN WESLY	S. Teekabaly ✓
58	160122805060	TANMAY DACHA	Tanmay ✓
59	160122805062	TUPAKULA VENKATA SAI KARTHIK	Karthik ✓
60	160122805063	ZUBAIR SHAIK HUSSAIN	

Faculty incharge

DR. Obula Reddy  
 DR. Nagendranathia Reddy  
 DR. Y. Rajasri

Head  
 Dept. of Biotechnology

APR 15-04-2022

Department of Biotechnology

INTERNSHIPS

2023-24

*A Panday*

**HEAD**

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



2022 Admitted Batch			
Name of the Student	Roll No	Name and Address of Organization	Duration of Internship (Starting Date - Ending Date)
Beesupalli kavya sree	160122805004	Jubilee diagnostics somajiguda, erramanzil	04-11-2023 to 10-12-2023
Harshitha Valapa	160122805011	Noble Hospital	20-10-2023 to 28-11-2023
Samhitha Reddy	160122805030	Dr Rao's life sciences, Balnagar	11-10-2023 to 25-11-2023
Smithanya.G	160122805035	Sk diagnostics, ECIL	04-11-2023 to 05-12-2023
V.Anusha	160122805042	Freedom hospitals, gandipet	04-11-2023 to 05-12-2023
Amogh Anil Bellurkar	160122805044	clonz biotech, Block No 9, Building-9000, Synergy Square 2, MN park GenomeValley, Kolthur, Shameerpet, Medchal, Hyderabad, Telangana 500078	23-08-2023 to 06-09-2023
Pradeep kumar	160122805048	Medquest diagnostics	22-11-2023 to 09-12-2023
Salkapuram John Wesly	160122805059	N.K.CHEMICALS PVT LTD , Mallapur Hyd	26-11-2023 to 09-12-2023



## INTERNSHIP CERTIFICATE

This certificate has been awarded to **Beesupalli kavya sree**

(Roll.No.1601-22-805-004) From B.Tech 2<sup>nd</sup> and 3<sup>rd</sup> sem CB:T College Hyderabad, on successful completion of two week of internship and training at "Jubilee Diagnostic Services

During November-December under our expert guidance and supervision.

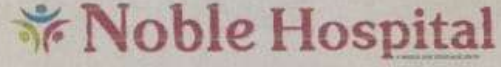
Thank you,

For **JUBILEE DIAGNOSTICS SERVICES**

**AUTHORISED SIGNATORY**



This Certificate has been awarded to Ms. Valapa Harshitha ( Roll No.

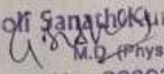


Date:-29.10.2023

INTERNSHIP CERTIFICATE

This Certificate has been awarded to Ms. Valapa Harshitha ( Roll No.160122805011) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of two weeks of internship and training at NOBLE HOSPITAL, Nalgonda in the area of "Hematology Elisa Reader ( Thyroid) and Microbiology" from 20<sup>th</sup> October 2023 to 28<sup>th</sup> October, 2023 under our expert guidance and Supervision.

Signature

Dr. G. Sanath Kumar  
  
M.D. (Physician)  
Regd. No. 26803

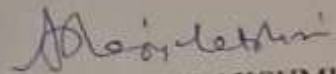


**BIOWORLD RESEARCH TECHNOLOGIES**

**INTERNSHIP CERTIFICATE**

This certificate has been awarded to Ms. Samhitha Reddy Chinthalapudi (Roll. No. 160122805030) from B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad, on successful completion of six weeks of internship and training at Dr Rao's Life Sciences Pvt Ltd in the area of 'Principles and Operation of HPLC and GC in Pharmaceutical analysis' from 11<sup>th</sup> October 2023 to 25<sup>th</sup> November 2023 under our expert guidance and supervision.



  
Dr. A. RAJYALAKSHMI  
Scientist  
Bioworld Research Technologies



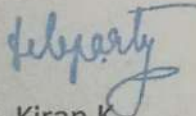
Date: 04-12-2023.

**Subject: Certificate of Experience**

This letter is to certify that **Ms. Smithanya.G** has successfully completed her Training program with our organization. This Training program tenure was from 03-11-2023 to 03-12-2023 only for 12 days.

During this Training program, we found the intern to be punctual and hardworking person.

Thank You,



Dr. Kiran K  
Lab Director  
SK Diagnostics.







## FREEDOM HOSPITALS

*A stand alone emergency unit*  
One stop shop for all medical needs

### To whomsoever it may concern

This is to certify that Ms. V Anusha, aged 19, bearing Roll No 1601-22-805-042, pursuing her BTech in Biotechnology, in 2<sup>nd</sup> year from Chaitanya Bharathi Institute of Technology, Gandipet, has completed her 90-hour mandatory internship in our Laboratory at Freedom hospitals in the fields of Hematology, Biochemistry serology and Microbiology. Her conduct was good.

Dr. Chidrupi Sharma,

Consultant Emergency physician,

Founder & CEO, Freedom Hospitals.

Dr. CHIDRUPI SHARMA  
MBBS DEM MEM FICM PGDID  
Consultant Emergency Medicine  
Freedom Hospitals  
Regd. No: 72252

Opp. Ocean Park, Shankarapalli Road, Gandipet, Hyderabad - 500075.

Ph : 8688036171 / 9618480448 / 6302304116

E-mail: info@freedomhospitals.in / lab@freedomhospitals.in Web: www.freedomhospitals.in



06-09-2023

To,


Dr. B Sumithra  
Assistant Professor  
Chaitanya Bharthi Institute of Technology (Autonomous),  
Hyderabad-75

Subject: Certificate of Experience

This letter is to certify that **Mr. Amogh Anil Bellurkar** has successfully completed his internship program with our organization. This internship tenure was from 23-08-2023 to 06-09-2023. The said intern was working with Molecular Biology Department and was actively, diligently and sincerely involved in the projects and tasks assigned.

During this internship, we found the intern to be punctual and hardworking person.

Thank You

  
Mr. Muralidhar Reddy Mamilla  
Chief Operating Officer



**CLONZ Biotech Pvt. Ltd.,**

Block No. 9, Building - 9000, Plot No. 7, Survey No. 542, Synergy Square 2, MN Park, Genome Valley,  
Kolthur(V), Shameerpet(M), Medchal District, Hyderabad-500078. Ph : 040-69006789,  
CIN No. U24231TG2009PTC065376, Email : info@clonzbio.com, www.clonzbio.com

### INTERNSHIP CERTIFICATE

This is certification has been awarded to Mr. Chiguru Pradeep Kumar (Roll no:160122805048) from B.Tech Biotechnology, CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, HYDERABAD, on successful completion of two weeks of Internship and training at MEDQUEST DIAGNOSTICS PVT LTD in the area of ' Lab Investigations ' from 22 November 2023 to 09 December 2023 under our expert guidance and supervision.



MEDQUEST DIAGNOSTICS PVT LTD





## FREEDOM HOSPITALS

*A stand alone emergency unit*  
One stop shop for all medical needs

### To whomsoever it may concern

This is to certify that Ms. V Anusha, aged 19, bearing Roll No 1601-22-805-042, pursuing her BTech in Biotechnology, in 2<sup>nd</sup> year from Chaitanya Bharathi Institute of Technology, Gandipet, has completed her 90-hour mandatory internship in our Laboratory at Freedom hospitals in the fields of Hematology, Biochemistry serology and Microbiology. Her conduct was good.

Dr. Chidrupi Sharma,

Consultant Emergency physician,

Founder & CEO, Freedom Hospitals.

Dr. CHIDRUPI SHARMA  
MBBS DEM MEM FICM PGDID  
Consultant Emergency Medicine  
Freedom Hospitals  
Regd. No: 72252

2021 Admitted Batch			
Name of the Student	Roll No	Name and Address of Organization	Duration of Internship (Starting Date - Ending Date)
Alekhya Pasumarthy	160121805001	CuraTeQ Biologics, Survey no.77-78, Indrakarn Village, Kandi Mandal, Sangareddy Dist., Hyderabad-502329	28-08-2023 to 08-09-2023
Ashrita Kottakota	160121805005	Innovare labs pvt ltd. Plot no 64, RD no 5, ALEAP Industrial Area, Gajularamaram, Hyderabad, Telangana 500090	28-08-2023 to 11-09-2023
Bikkumalla Shruti	160121805006	Name- Hetero labs UNIT-3 Address- GCOMM+7W2, Saibaba Nagar, Suraram, Hyderabad, Telangana 500055	01-06-2023 to 16-06-2023
Cambampaty akshita Naidu	160121805008	Spansules pharmatech private limited, Kukatpally, Hyderabad	28-08-2023 to 09-09-2023
Shamitha D	160121805009	JNTUH, kukatpalli, hyderabad, telangana	29-05-2023 to 12-06-2023
Dendi meghana	160121805010	CBIT	19-06-2023 to 11-07-2023
Gadda Thabitha	160121805011	JNTU	29-05-2023 to 12-06-2023
Golla Vasanthi	160121805013	Bioworld research technologies,c/o innovare labs , ALEP industrial , Kukatpally Hyderabad	28-08-2023 to 11-09-2023
Grace Hepsibah Gotte	160121805014	Bioworld Research technologies,innovare labs,aleap,opp JNTU KUKATPALLY, HYDERABAD	28-08-2023 to 11-09-2023
Grandhi Manognadevi	160121805015	Basavatharakam Indo-American Cancer Hospital & Research Institute Banjara Hills, Hyderabad 500034.	28-08-2023 to 09-09-2023
J.kavya sri	160121805016	Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad,500085, Telangana.	29-05-2023 to 12-06-2023
JANGALA HARI PRIYA	160121805017	ALCHEMECO PHARMA PRIVATE LIMITED and plot no:1/B2,Phase3,IDA,CIDA,Cherlapally, Hyderabad, Telangana -500051,India	29-05-2023 to 16-06-2023
J RITHIKA	160121805018	CBIT	19-06-2023 to 11-07-2023

Kammari Harshitha	160121805019	Bioworld research technologies,c/o innovare labs pvt ltd,aleap industrial area, Kukatpally, Hyderabad	28-08-2023 to 11-09-2023
Kanuganti Akhila	160121805020	Basavatarakam Indo-American Cancer Hospital And Research Institute, Road No:10, Banjarahills	28-08-2023 to 09-09-2023
Keerthana Nalla	160121805021	Basavatharakam Indo-American Cancer Hospital & Research Institute Banjara Hills, Hyderabad 500034.	28-08-2023 to 09-09-2023
Aishwarya Madu	160121805026	Innovare labs pvt ltd. Plot no 64, RD no 5, ALEAP Industrial Area, Gajularamaram, Hyderabad, Telangana 500090	28-08-2023 to 11-09-2023
Mahima Kalyanam	160121805027	Riki tech solutions, Plot no 39, 1st Floor, Lavanya Arcade, Jayabheri Enclave, Gachibowli, Hyderabad, Telangana 500032	28-08-2023 to 08-09-2023
Mukka Jahnavi	160121805029	Online	19-06-2023 to 11-07-2023
Muskan	160121805030	Alchemeco pharma private limited Address: plot 1/B2 phase III ,IDA,CIDA,Cherlapally Hyderabad	19-06-2023 to 11-07-2023
N.Prashanthi	160121805031	Basavatharakam Indo-American Cancer Hospital & Research Institute Banjara Hills, Hyderabad 500034.	28-08-2023 to 09-09-2023
Remalla Priyanka	160121805037	Bioworld,Innovare labs pvt ltd. Plot no 64, RD no 5, ALEAP Industrial Area, Gajularamaram, Hyderabad, Telangana 500090	28-08-2023 to 11-09-2023
Shreya tati	160121805039	spansules pharmatech private limited	28-08-2023 to 09-09-2023
Rashmitha Thogari	160121805041	CMR hospitals	27-05-2023 to 11-06-2023
VEMPATI VAIDEHI PRAVALLIKA	160121805043	Larsen & Toubro Technology Services(LTTS) L&T Technology Services Limited 2nd Floor, Block-D, North Wing (Wing-2), Cyber Gateway, Hitech City, Madhapur, Hyderabad- 500081	03-08-2023 to 11-09-2023
Vislavath Sneha	160121805044	Alchemeco Pharma pvt ltd.,Cherlapally.	29-05-2023 to 16-06-2023
Hasanthi Vuyyuru	160121805045	Riki tech solutions . Plot no 39,1st floor Lavanya Arcade, Jayabheri Enclave , Gachibowli , Hyderabad	28-08-2023 to 11-09-2023
vaishnavi reddy	160121805046	Bio world-JNTU	28-08-2023 to 11-09-2023
Dhruv Tadikonda	160121805048	Basavatarakam Indo American Cancer Hospital & Research Institute Road No 10, Banjara Hills Hyderabad 500034, Telangana, India	28-08-2023 to 09-09-2023

E. Pramod kumar	160121805049	Bio world, Kukatpally	28-08-2023 to 11-09- 2023
KOUSHIK GILKAPALLY	160121805050	LIKITHA'S DIAGNOSTIC, DILSUKHNAGAR	27-08-2023 to 10-09- 2023
GUGULOTH BHASKAR	160121805051	Alchemeco pharma pvt. Ltd and Plot no 1/B2, phase 3, IDA CIDA, Cherlapally, Hyderabad, Telangana-500051, india	28-08-2023 to 11-09- 2023
G SAI PRASHANTH	160121805052	Likitha's diagnostic at dilsukhnagar , <a href="https://maps.app.goo.gl/mekeJMdG7by1agtGA">https://maps.app.goo.gl/mekeJMdG7by1agtGA</a>	27-09-2023 to 10-10- 2023
Kandimala Venkat Keerthan	160121805054	Likhitha Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad-500060	27-08-2023 to 10-09- 2023
Kunam Sai sunder	160121805055	Bioworld research technologies	28-08-2023 to 11-09- 2023
Manikonda Rahul	160121805056	LIKHITHAS DIAGNOSTICS AND SPECIALITY LABS DILSHUKNAGAR	27-08-2023 to 10-09- 2023
Md Rahmanuddin	160121805057	Alchemeco Pharma Pvt Ltd.Plot No.1, B2, Phase III, Mahalaxmi Nagar, IOCL, Cherlapalli, Hyderabad, Secunderabad, Telangana 500051	29-06-2023 to 16-07- 2023
POLAMRAJU VENKATA KASYAP	160121805059	Likhitha's diagnostics and speciality lab Dilsukhnagar	27-08-2023 to 10-09- 2023
R.Sairam	160121805060	Bioworld research technologies	28-08-2023 to 11-09- 2023
Savarkar Shiva Prasad	160121805061	Likitha diagnostic centre and speciality labs	27-08-2023 to 10-09- 2023
Toganti kranthi	160121805064	Bioworld	28-08-2023 to 11-09- 2023



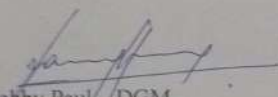


08<sup>th</sup> Sep 2023

### 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 28<sup>th</sup> Aug 2023 to 8<sup>th</sup> 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.



CIN : U24110TG2020PTC140190

**CuraTeQ Biologics Private Limited**

PAN : AAICC705BM

Corp. Off. : Gallery, Floors: 22-24, Plot No. 1, Survey No.821, Hyderabad Knowledge City, Raidurg Panmakha, Ranga Reddy District, Hyderabad - 500 032, Telangana, India.  
Tel : +91 40 6672 5000 / 6672 1200, Fax : +91 40 6707 4044.  
Biologics R&D Centre / Manufacturing Unit : Survey No. 77 & 78, Indrakaran (V), Kandli (M), Sangareddy Dist. 502 329,  
Telangana, INDIA Tel : +91 8455 255 222, Fax : +08455-255234



## BIOWORLD RESEARCH TECHNOLOGIES

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### 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



The stamp is circular with the text 'Bioworld Research Technologies' around the top edge and 'Hyderabad' in the center. Below the stamp is a handwritten signature in black ink.

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



# 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.



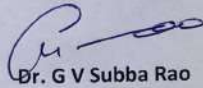
HR  
For HETERO LABS LIMITED,  
FORMULATIONS, UNIT-III

Cc: Dr G. Palleswar Rao  
Director  
Formulation Operations

Date: 13.09.2023

**TRAINING CERTIFICATE**

This is to certify that Ms. C. AKSHITA NAIDU (Roll No. 1601-21-805-008) 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



**SPANSULES PHARMATECH PRIVATE LIMITED**

CIN : U24230TG2000PTC035421 An ISO 9001 : 2008 Certified Company

Regd. Office : Flat No. G3, Plot No. 59, Sri Venkateswara Towers, Bhagyanagar Colony, Kukatpally, Hyderabad, Telangana, INDIA - 500 072.

Corporate Office : MIG 57, Dharmareddy Colony, Hydernagar, Hyderabad, Telangana, INDIA - 500 072.

Ph : 040-42005216, 46679999, E-mail : info@spansulespharma.com



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

*Archana Giri*  
HEAD OF DEPARTMENT  
HEAD

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



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY (A)**  
Kakapet(Village), Gandipet, Hyderabad, Telangana-500073, www.cbti.ac.in

COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**44**  
years

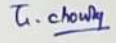



### CERTIFICATE OF MERIT

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 19<sup>th</sup> June to 14<sup>th</sup> 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. Narasimhulu  
Principal



Phone: Off: +91-40-23156129  
Mobile : : 9849028367  
E Mail: [archanagiriin@jntuh.ac.in](mailto:archanagiriin@jntuh.ac.in)  
[hodebt@jntuh.ac.in](mailto:hodebt@jntuh.ac.in)



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**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.

*Archana Giri*  
HEAD OF DEPARTMENT  
Centre for Biotechnology  
University College of Engg, Science & Technol.,  
J.N.T University Hyderabad  
Kukatpally, Hyderabad - 85, Telangana State.



## 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> 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. 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.


Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

# BASAVATARAKAM INDO-AMERICAN CANCER HOSPITAL & RESEARCH INSTITUTE

Promoted by Smt.Nandamuri Basavataraka Ramarao 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**  
MBBS, 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 & Quality 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, FDCR  
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.



Phone: Off: +91-40-23156129  
Mobile : : 9849028367  
E Mail: [archanagiri@jntuh.ac.in](mailto:archanagiri@jntuh.ac.in)  
[hodcbt@jntuh.ac.in](mailto:hodcbt@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 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 29<sup>th</sup> May 2023 to 16<sup>th</sup> June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

**Dr. Ravinder Reddy**

(Managing Director)



☎: +91 7799 666 469 ✉: sales@alchemecopharma.com

[www.alchemecopharma.com](http://www.alchemecopharma.com)

**ALCHEMECO PHARMA PRIVATE LIMITED**


Plot. No: 1/BZ, Phase III, IDA CIDA, Cherlapally, Hyderabad, Telangana - 500051, India.





## 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 19<sup>th</sup> June to 14<sup>th</sup> 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. Narasimhulu  
Principal



## 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*A. Rajyalakshmi*

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



**BASAVATARAKAM INDO-AMERICAN  
CANCER HOSPITAL & RESEARCH INSTITUTE**

Promoted by Smt. Nandamuri Basavataraka Ramarao 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 **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**  
MDS, 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 - 500 034.

**Dr. K Suseela**  
HOD Pathology  
BIACH & RI

**Dr. K. SUSEELA**  
MD, 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.

# BASAVATARAKAM INDO-AMERICAN CANCER HOSPITAL & RESEARCH INSTITUTE

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& 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 **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 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 - 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.



## BIOWORLD RESEARCH TECHNOLOGIES

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### 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies





✉ [www.rikitech.com](http://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 28<sup>th</sup> August 2023 to 8<sup>th</sup> 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. N. Kottakki'.

RIKI TECH SOLUTIONS  
Authorized signature





**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY (A)**  
Kotagiri (Tummalagudi), Gandipet, Hyderabad, Telangana-500075, www.chaitanya.ac.in

COMMITTED TO  
INNOVATIVE RESEARCH  
IN EDUCATION

**44**  
Years



**CERTIFICATE OF MERIT**

This is to certify that Mr. / Ms. Mukka Jahnavi, Roll No. 160121805029

Student of CB.IT 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 19<sup>th</sup> June to 14<sup>th</sup> July 2023 at Chaitanya Bharathi Institute of Technology (A), Hyderabad organized by Department of Mechanical Engineering with the association of AICTE-IDEA LAB.

Kirana  
Dr. Kiran Kumar Annareddy  
Coordinator

P. Prabhakar  
Dr. P. Prabhakar Reddy  
Head, MED

T. Choudhury  
Dr. U.K Choudhury  
Technical Advisor

Narasimulu  
Dr. C.V. Narasimulu  
Principal





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 29<sup>th</sup> May 2023 to 16<sup>th</sup> June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

**Dr. Ravinder Reddy**

(Managing Director)





**BASAVATARAKAM INDO-AMERICAN  
CANCER HOSPITAL & RESEARCH INSTITUTE**

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& Indo-American Cancer Organisation

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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 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.B.B.S. 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.B.B.S. MD (Microbiology))  
HOD Microbiology & Infectious Diseases  
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.





## 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*A. Rajyalakshmi*

Dr. A. RAJYALAKSHMI

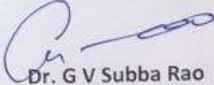
Scientist

Bioworld Research Technologies

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



**SPANSULES PHARMATECH PRIVATE LIMITED**

CIN : U24230TG2000PTC035421 An ISO 9001 : 2008 Certified Company

Regd. Office : Flat No. G3, Plot No. 59, Sri Venkateswara Towers, Bhagyanagar Colony, Kukatpally, Hyderabad, Telangana, INDIA - 500 072.

Corporate Office : MIG 57, Dharmareddy Colony, Hydernagar, Hyderabad, Telangana, INDIA - 500 072.

Ph : 040-42005216, 46679999, E-mail : info@spansulespharma.com





# 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.

*[Signature]*  
12/6/23

Lab Incharge, Associate Professor  
Department of Microbiology  
**DEPT. OF MICROBIOLOGY**  
CMR Institute of Medical Sciences  
Kandlakoya, Medchal Road,  
Hyderabad, Telangana-501401

*[Signature]*  
12/6/23

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

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 16/06/2023

**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 29<sup>th</sup> May 2023 to 16<sup>th</sup> June 2023 (3 weeks) as part of their internship.

We wish her every success in life.

**Dr. Ravinder Reddy**  
(Managing Director)



☎: +91 7799 666 469 ✉: sales@alchemecopharma.com

[www.alchemecopharma.com](http://www.alchemecopharma.com)

**ALCHEMECO PHARMA PRIVATE LIMITED**

Plot. No: 1/B2, Phase III, IDA CIDA, Cherlapally, Hyderabad, Telangana - 500051, India.



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📍 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 28<sup>th</sup> August 2023 to 8<sup>th</sup> 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





## 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies



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.

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

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.







**BIOWORLD RESEARCH TECHNOLOGIES**

**INTERNSHIP CERTIFICATE**

This certificate has been awarded to Mr. Pramod Kumar.E. (Roll.No. 160121805049) 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*A. Rajyalakshmi*

**Dr. A. RAJYALAKSHMI**

**Scientist**

**Bioworld Research Technologies**



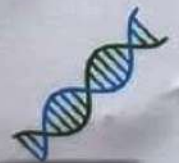
Date: 10-09-2023

## TO WHOM IT MAY CONCERN

This is to certify that **Mr. 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 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



Quality is in the DNA



**ALCHEMECO PHARMA PVT LTD**

Date 16/06/2023

**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 29<sup>th</sup> May 2023 to 16<sup>th</sup> June 2023 (3 weeks) as part of their internship.

We wish him every success in life.

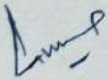
**Dr. Ravinder Reddy**  
(Managing Director)



Date: 10-09-2023

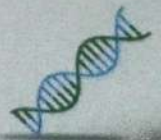
## TO WHOM IT MAY CONCERN

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

**LIKITHA'S Diagnostics-Speciality Lab**  
(Unit of Pragnashree 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





# LIKHITHA'S

Diagnostics - Speciality Lab

(Unit of Praganshree Health Care Pvt. Ltd.)

H.No. 13-3-12/A, Hanuman Nagar, Pochamma Temple Lane, Chaitanyapuri,  
Dilsukhnagar, Hyderabad-500 060. ■ Ph : 24051777, 24042832, 24182100  
E-mail : info@likhithadiagnostic.com, web: www.likhithadiagnostic.com

Date: 10-09-2023

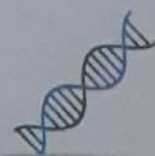
## TO WHOM IT MAY CONCERN

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 Praganshree Health Care Pvt. Ltd.)  
H.No.13-3-12/A, Hanuman Nagar  
Beside Pranavitha Hospitals,  
Dilsukhnagar, Hyderabad-500 060. (T.S.)  
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# BIOWORLD RESEARCH TECHNOLOGIES

## 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*Rajyalakshmi*

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

# LIKHITHA'S

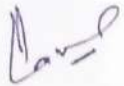
Diagnostics - Speciality Lab  
(Unit of Pragashree Health Care Pvt. Ltd.)

H.No. 13-3-12/A, Hanuman Nagar, Pochamma Temple Lane, Chaitanyapuri,  
Dilsukhnagar, Hyderabad-500 060 ■ Ph : 24051777, 24042832, 24182100  
E-mail : info@likhithadiagnostic.com, web:www.likhithadiagnostic.com

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 Pragashree Health Care Pvt. Ltd)  
H.No.13-3-12/A, Hanuman Nagar  
Beside Pranamitha Hospitals,  
Dilsukhnagar, Hyderabad-500 060. (T.S)



Quality is in the DNA



**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 29<sup>th</sup> May 2023 to 16<sup>th</sup> June 2023 (3 weeks) as part of their internship.

We wish him every success in life.

**Dr. Ravinder Reddy**

(Managing Director)



☎ +91 7799 666 469 ✉ sales@alchemecopharma.com

www.alchemecopharma.com

**ALCHEMECO PHARMA PRIVATE LIMITED**

Plot. No: 1/B2, Phase III, IDA CIDA, Cherlapally, Hyderabad, Telangana - 500051, India.

Date: 10-09-2023

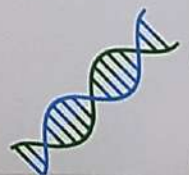
## TO WHOM IT MAY CONCERN

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 Diagnostics and Speciality Labs, Dilsukhnagar, Hyderabad.



CHAIRMAN

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







## BIOWORLD RESEARCH TECHNOLOGIES

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### 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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*A. Rajyalakshmi*

Dr. A. RAJYALAKSHMI

Scientist

Bioworld Research Technologies

Date: 10-09-2023

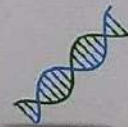
**TO WHOM IT MAY CONCERN**

This is to certify that **Mr. 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 Pragashree Health Care Pvt. Ltd.)  
H.No.13-3-12/A, Hanuman Nagar  
Beside Prananiha Hospitals,  
Dilsukhnagar, Hyderabad-500 060. (T.S.)  
Ph: 24051777 24042832 24162100



Quality is in the DNA



**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 28<sup>th</sup> August 2023 to 11<sup>th</sup> September 2023 under our expert guidance and supervision.



*A. Rajyalakshmi*

Dr. A. RAJYALAKSHMI

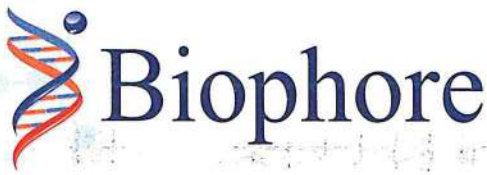
Scientist

Bioworld Research Technologies

2020 Admitted Batch			
Name of the Student	Roll No	Name and Address of Organization	Duration of Internship (Starting Date - Ending Date)
Adithi Reddi Kamana	160120805001	Biophore India Pharmaceuticals Pvt. Ltd.	14-06-2023 to 14-07-2023
Kulkarni Aishwarya	160120805002	Indian Institute of Rice Research (ICAR) Rajendranagar	03-07-2023 to 31-07-2023
Alwina.G	160120805003	Suganthi Devadason Marine Research Institute	12-06-2023 to 19-07-2023
Bodika Shynisha	160120805006	HETERO DRUGS LIMITED(UNIT-1) bonthapally	14-06-2023 to 14-07-2023
Chaitra gali	160120805007	Seedworks international, Medchal	10-07-2023 to 07-08-2023
Sai Hari Hara Sudheshna Chunduru	160120805008	ICMR-Regional Medical Research Centre, Bhubaneswar, Odisha	12-06-2023 to 19-07-2023
Divya Prema Suroju	160120805009	ICAR CIFT ,KOCHI, KERALA	14-06-2023 to 28-07-2023
shaik fouzia rafath	160120805010	indian immuologicals limited	27-06-2023 to 21-07-2023
Hamsini Katla	160120805012	SRR super speciality hospital, karimnagar	14-06-2023 to 19-07-2023
Jyothika Meenakshi Kambhampati	160120805013	Novelgene Technologies, BioNEST, University of Hyderabad	03-07-2023 to 29-07-2023
Kolluru Naga Venkata Sujatha	160120805016	Indian Immunologicals Ltd.	27-06-2023 to 21-07-2023
Neha Reddy Marapalli	160120805017	Symed Labs Ltd, Jeedimetla	27-06-2023 to 15-07-2023
Y Sai Shriya	160120805020	Hetero Drugs Limited Unit-1 Shapur Nagar, Bonthapalle, Telangana-500043	12-06-2023 to 30-06-2023
Sanjana Reddy Paila	160120805021	Agrighar services pvt ltd,Choutuppal	12-06-2023 to 30-06-2023
Sharvani Pokala	160120805023	Sri Sri Holistic Hospitals, Kphb colony, Hyderabad	29-06-2023 to 22-07-2023
Shreechandra Salukuti	160120805025	Jeeva Life Sciences, Shanti Nagar, Uppal, Hyderabad, Telangana	01-07-2023 to 21-07-2023
Shreya Banalla	160120805027	Central Institute of Fisheries and technology,ICAR-CIFT,Kerala	14-06-2023 to 28-07-2023
Shriya Reddy Patlolla	160120805028	Biophore India Pharmaceuticals Pvt. Ltd, R&D Centre, Pashamylaram, Hyderabad	14-06-2023 to 28-07-2023



Souborni Nandy	160120805030	BioZEEN Bangalore Biotech Labs Pvt Ltd #49/2, Bengaluru 560 077, Karnataka	13-07-2023 to 14-08-2023
Mandala Soumya	160120805031	Qstatix private limited ,Nagole	17-06-2023 to 17-07-2023
Neelam Sravani	160120805033	Qstatix Educational Research Centre, Nagole, Hyderabad	17-06-2023 to 17-07-2023
V Sri Varsha	160120805034	Agrihar services pvt ltd, Choutuppal	12-06-2023 to 30-06-2023
Tanmayi Boreda	160120805035	Agrihar Services Pvt. Ltd. , Choutuppal	12-06-2023 to 30-06-2023
Syeda Umamah Fatima	160120805036	Symed Labs Ltd. Unit-2, IDA Zone Jeedimetla	27-06-2023 to 15-07-2023
Lakavath Vennela	160120805038	Symed labs limited unit -1 , Bonthapelly	19-06-2023 to 15-07-2023
Gaddam Akash	160120805039	Symed Labs Pvt Ltd zone 3 Jeedimetla	27-06-2023 to 15-07-2023
Alloju Abhishek	160120805040	Symed labs pvt ltd	27-06-2023 to 15-07-2023
Aniruddha Sreeram Bobbili	160120805041	Symed Labs Limited Unit-2, IDA Jeedimetla, Hyderabad	27-06-2023 to 15-07-2023
Ashish	160120805042	Bhaskar medical college	20-06-2023 to 20-07-2023
Nitin Badhe	160120805043	ICAR CIFT, KOCHI	14-06-2023 to 28-07-2023
M.C.K.CHARAN	160120805046	Oncosimis Biotech Pvt Ltd	28-06-2023 to 29-07-2023
T.Gourav	160120805049	Agrihar services pvt ltd, Choutuppal	12-06-2023 to 30-06-2023
Pole Harish	160120805050	Hetero drugs limited unit 1	12-06-2023 to 30-06-2023
K.Hrithik	160120805051	Symed Labs Limited , Jeedimetla IDA.	27-06-2023 to 15-07-2023
Kalluri Chetan Babu	160120805052	ICAR CIFT, KOCHI , KERALA	14-06-2023 to 28-07-2023
Madasu Mihir Chandra	160120805054	Sri Sri Holistic Hospitals	01-07-2023 to 22-07-2023
N Rakesh Reddy	160120805055	Progenics laboratory Pvt ltd	16-06-2023 to 22-07-2023
DL Sai Prathibh	160120805057	Hetero drugs limited (unit - 1)	12-06-2023 to 30-06-2023
K Yashasvi	160120805060	Agrihar services pvt ltd, Choutuppal	12-06-2023 to 30-06-2023



**Biophore India Pharmaceuticals Pvt Ltd**  
Plot#92; 1-98/2/92, Kavuri Hills - Phase II,  
Jubilee Hills, Hyderabad 500033, Telangana, India.  
Tel: +91 40 4747 4545  
[www.biophore.com](http://www.biophore.com)  
CIN : U24232TG2007PTC053381

**Date: 18.08.2023**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. ADITHI REDDI KAMANA**, Bearing Regd No. is **160120805001** from Chaitanya Bharathi Institute of Technology, Hyderabad has undergone for Internship with **Biophore India Pharmaceuticals Pvt Ltd, R&D Centre, Pashamylaram, Hyderabad** from June-2023 to July-2023. For which the training of the project details as mentioned below.

**Isolation of *Fucoidan* from *Sargassum* seaweed by extraction method.**

During the tenure, her conduct was found to be satisfactory.

We wish her all the very best in future endeavours.

**For Biophore India Pharmaceuticals Pvt Ltd**

  
**Manager - HR**





भारतीय चावल अनुसंधान संस्थान  
राजेन्द्रनगर, हैदराबाद-५०० ०३०  
**ICAR-Indian Institute of Rice Research**  
(formerly Directorate of Rice Research)  
(Indian Council of Agricultural Research)



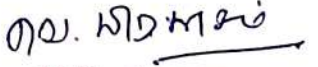
Rajendranagar, Hyderabad - 500 030; www.icar-illrr.org; email: director.illrr@icar.gov.in  
Director : 040-24591216/218; Admn. Officer : 040-24591258/254; Fax : 040-24591217; email : ao.illrr@icar.gov.in

Dr V Prakasam  
Senior Scientist

16/8/2023

This is to certify that Kulkarni Aishwarya (Student ID- 160120805002) in appreciation of her work as an intern under my guidance about a month (3-31, July 2023). She has successfully completed internship project entitled on "Study of rice sheath blight pathogen *Rhizoctonia solani*" at Department of Plant Pathology, ICAR-Indian Institute of Rice Research.

During the internship, she has displayed good understanding skills and a self-motivated attitude for learning new skills and taking constructive criticism. She was a diligent intern and a trainee. We wish her every success in her life and career.

  
V Prakasam



भारतीय चावल अनुसंधान संस्थान  
राजेंद्रनगर, हैदराबाद-५०० ०३०  
**ICAR-Indian Institute of Rice Research**  
(formerly Directorate of Rice Research)  
(Indian Council of Agricultural Research)



Rajendranagar, Hyderabad - 500 030; www.icar-iirr.org ; email: director.iirr@icar.gov.in  
Director : 040-24591216/218; Admn. Officer : 040-24591258/254; Fax : 040-24591217; email : ao.iirr@icar.gov.in

Dr V Prakasam  
Senior Scientist

16/8/2023

This is to certify that Kulkarni Aishwarya (Student ID- 160120805002) in appreciation of her work as an intern under my guidance about a month (3-31, July 2023). She has successfully completed internship project entitled on "Study of rice sheath blight pathogen *Rhizoctonia solani*" at Department of Plant Pathology, ICAR-Indian Institute of Rice Research.

During the internship, she has displayed good understanding skills and a self-motivated attitude for learning new skills and taking constructive criticism. She was a diligent intern and a trainee. We wish her every success in her life and career.

Dr. V. Prakasam  
V Prakasam





# SUGANTHI DEVADASON MARINE RESEARCH INSTITUTE

(Recognised by Manonmaniam Sundaranar University, Tirunelveli & UGC)

44 - Beach Road  
Tuticorin - 628 001  
Tamilnadu, India

Tel : +91 461 2336488 / 2323007  
Fax : +91 461 2325692  
E-mail : director@sdmri.in  
Web : www.sdmri.in


19 July 2023

## Certificate

This is to certify that **Miss. Alwina G**, IV-year B.Tech - Biotechnology (Roll.No: 160120805003), Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad has undergone six weeks internship training at Suganthi Devadason Marine Research Institute, Tuticorin from 12.06.2023 to 19.07.2023. She has gained knowledge and practical experience in the following research activities:

- Analysis of physical properties of sea water (pH, salinity, Total dissolved solids, Total suspended solids and electrical conductivity)
- Analysis of chemical properties of seawater samples (chemical oxygen demand, nitrite, nitrate, ammonia, silicate and oil & grease content).
- Analysis of sediment texture, grain size, and organic matter.
- Determination of microplastic contamination (digestion and filtration) in water samples.
- Isolation of bacterial and fungal species from water and sediment samples (Autoclave – glassware sterilization, culture media preparation, Laminar Hood sterilization, staining and biochemical tests).



  
(J.K. Patterson Edward)  
Director, SDMRI



**HETERO DRUGS LIMITED (UNIT-I)**  
Survey No.213, 214 & 255, Bonthapally (Vill),  
Gummadidala (Mandal),  
Sanga Reddy (Dist) - 502313,  
Telangana, INDIA.  
Tel: +91 9704432102 / 9704432103

**Date: 14.07.2023**

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Ms. BODIKA SHYNISHA (160120805006) is a bonafide student of Chaitanya Bharathi Institute of Technology (A). She has completed her **Internship** in Quality Control Department on "**QC activities in Pharmaceutical industry**" in Hetero Drugs Ltd, Unit-I, Bonthapally from 14.06.2023 to 14.07.2023 for her partial fulfillment of requirement for the award of Bachelor of Technology in Biotechnology.

During the aforesaid period, we found her hard working, sincere and having learning attitude.

**For HETERO DRUGS LIMITED**

*K. Krishna Reddy*  
K. KRISHNA REDDY.  
DGM-HR DEPT 14/07/23



Date: 07/08/2023

**CERTIFICATE OF INTERNSHIP COMPLETION**

This is to hereby certify **Chaitra Gali** in appreciation of her work as an intern under the leadership of Mr. S. B CHAVAN (Sr. Manager-Biotechnology) from 10th July 2023 to 7th August 2023.

She has successfully completed her required 1 month's internship with training at the Seed Works International Pvt. Ltd in the Biotechnology Lab. Her internship training program included "**Trait purity testing in BG II Cotton hybrid seed by ELISA method**".

Project Handled:

- (1) Seed Genetic Purity testing of F1 transgenic cotton hybrids using SSR molecular marker analysis by PCR (Polymerase chain reaction).
- (2) Assessment of BG II (BT) trait purity in seed production of F1 hybrid of transgenic cotton by the method of ELISA (enzyme-linked immunosorbent assay).

Technique handled:

- Sampling (Leaf/Seed).
- Genomic DNA Extraction.
- Qualitative ELISA
- PCR (Polymerase chain reaction)


During the internship, she has displayed good understanding skills and a self-motivated attitude for learning new skills and taking constructive criticism. She was a diligent intern and a trainee.

We wish her every success in her life and career.

For Seed Works International Pvt. Ltd.



**S B Chavan**  
Manager - Biotechnology.  
**SEEDWORKS INTERNATIONAL PVT LTD**  
Survey No.530/A, Gowdavally Village,  
Medchal Mandal., Ranga Reddy Dist.  
Telangana, Pin Code- 501 403

  
SEEDWORKS®

**SeedWorks International Private Limited**

**Corporate & Regd. Office:** Survey No .530/A, Gowdavally Village, Medchal (Mandal), Medchal - Malkajgiri District, Telangana - 501403.

Tel.No. : +91 40 3023 1101/02/03, Fax No.: +91 40 3023 1104

Email Id: info@seedworks.com, Website: www.seedworks.com, CIN: U74900TG2008PTC061716





**icmr** | **RMRCBB**  
INDIAN COUNCIL OF MEDICAL RESEARCH | REGIONAL MEDICAL RESEARCH CENTRE, BHUBANESWAR

### Certificate

This is to certify that the project entitled **"Zinc oxide nanoparticles loaded antimicrobial polyvinyl alcohol and chitosan films for wound dressing"** is a bonafide work carried out by Sai Hari Hara Sudheshna Chunduru, [Fourth Year B.Tech Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad] at ICMR-Regional Medical Research Centre, Bhubaneswar, Odisha, India. This work has been carried out under my guidance, from 12<sup>th</sup> June to 09<sup>th</sup> August 2023.

*Sangram Keshari Samal*  
**Dr. Sangram K. Samal**

**Dr. SANGRAM KESHARI SAMAL**  
Laboratory of **Rama Joga Swami** Fellow (Scientist D)  
Medicine, **Department of Health Research Centre,**  
ICMR-Regional Medical Research Centre and Family Welfare,  
Bhubaneswar, **Ministry of Health and Family Welfare,**  
Government of India.

Indian Council of Medical Research –  
Regional Medical Research centre





*Summer Research Fellowship Programme  
Certificate*

*This is to certify that Ms Sai Hari Kara Sudheshna Chunduru worked on a project entitled "Zinc oxide nanoparticle loaded antimicrobial polyvinyl alcohol and chitosan films for wound dressing" during Mid June - Mid August 2023 as a Summer Research Fellow under the supervision of Dr Sangram Keshari Samal, Regional Medical Research Center, Bhubaneswar. The Summer Research Fellowship Program is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).*



*Place: Bengaluru  
Date: 15-09-2023*

*P. K. Das*

*Chairman, Science Education Panel*

INDIAN ACADEMY OF SCIENCES, C. V. RAMAN AVENUE, POST BOX No. 8005,  
RAMAN RESEARCH INSTITUTE CAMPUS, SADASHIVANAGAR P.O.,  
BENGALURU 560 080, INDIA

Date: 28th July 2023,

## CERTIFICATE

This is to certify that **Ms. Divya Prema Suroju** (Student ID No 160120805009) studying Btech Biotechnology at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana has completed Project Work on “**Different value-added food products from seaweeds**” from **14 June 2023 to 28th July 2023** at our **Puakai Agri Aqua company, ABI incubation centre, C.I.F.T, Willingdon Island Kochin, Kerala.**

**Ms. Divya Prema Suroju** has shown keen interest during the working period, she is committed and has excellent time sense. We wish her all the best in her future endeavours.

With Regards,

**Santosh Donkina,**  
**CEO,**  
**PUAKAI AGRIAQUA.**







**इंडियन इम्यूनोलॉजिकल्स लिमिटेड**  
**INDIAN IMMUNOLOGICALS LIMITED**

IIL/GHR/PC/2023

August 18, 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. Shaik Fouzia Rafath** has undergone training in which she learnt various techniques on “Chemical & Microbial Analysis of water & Raw Materials” in AH- Quality Control and AH-Production departments of our organization from 27.06.2023 to 21.07.2023

We found her sincere, hardworking and keen to learn during her Training with us.

We wish her all the best in her endeavors.

Thanking you,

Yours truly,

*for Indian Immunologicals Ltd*

**M.C. Muthiah**  
**Vice President – Human Resources**



# SRR GASTRO & LIVER SUPER SPECIALITY HOSPITAL

6-6-528 , Mancherla Chowrasta, Peddapalli Road, Karimnagar  
PIN: 505001, Telangana, India

DATE : 20 JULY, 2023

## CERTIFICATE

This is to certify that *Ms. Hamsini Katla* ( Roll No: 160120805012 ), Student of B.Tech Biotechnology, 'Chaitanya Bharathi Institute of Technology', Hyderabad, was provided training in *Various Laboratory Techniques Involved In Diagnosing Diseases* under the Supervision and Guidance of Mr. Mahender, from 14 June 2023 to 19 July 2023, as a part of her Internship.

As intern, she showed keen interest in observation and practical sessions. She has demonstrated good Practical skills with a self-motivated attitude to learn new things.

The overall performance of the candidate has been rated *Very Good* with a score of 9.8 out of 10



Mr. Mahender  
Trainer / Technician



Dr. G. Maruthi Kiran  
Founder  
M.D., D.M. (Gastro)  
Regd. No. 43567  
Gastroenterologist  
KARIMNAGAR-505 001

Date: 29.07.2023

**Internship Completion Certificate**

Dear Sir/Ma'am,

This is an Internship Completion Certificate for **Ms. Jyothika Meenakshi Kambhampati** from B.Tech Biotechnology , Chaitanya Bharathi Institute of Technology.

We state on record that **Ms. Jyothika Meenakshi Kambhampati** has successfully completed an Internship project in the role of Trainee – bioinformatics at Novelgene Technologies Private Limited from 03.07.2023 to 29.07.2023 (1 month).

During Internship, **Jyothika** worked on "**Metabolite profiling and data understanding of cancer patients along with making of database for stress related plant metabolite conditions**". Her performance exceeded expectations and was able to complete the project successfully.

We wish her all the best for her future career.

Sincerely,

  
Bipin Kumar, Director  
Novelgene Technologies Private Limited  
Hyderabad - 500049

---

**Novelgene Technologies Pvt. Ltd.**

F201, Sairam Towers, Hafeezpet, Hyderabad - 500049, India.

Cell: +91-90070 40148, 99856 73215 | Email: info@novelgenetech.com | Web: www.novelgenetech.com



**इंडियन इम्यूनोलॉजिकल्स लिमिटेड**  
**INDIAN IMMUNOLOGICALS LIMITED**

IIL/GHR/PC/2023

August 18, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Kolluru Naga Venkata Sujatha** has undergone training in which she learnt various techniques on “Chemical & Microbial Analysis of water & Raw Materials” in AH- Quality Control and AH-Production departments of our organization from 27.06.2023 to 21.07.2023

We found her sincere, hardworking and keen to learn during her Training with us.

We wish her all the best in her endeavors.

Thanking you,

Yours truly,

*for Indian Immunologicals Ltd*

**M.C. Muthiah**  
**Vice President – Human Resources**



# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

Date: - 15<sup>th</sup> July 2023

## CERTIFICATE OF INTERNSHIP

This is to Certify that Ms. Neha Reddy Marapalli (Roll No: 1601-20-805-017), student of B. Tech (Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana, was provided training in 'Symed Labs Limited' in the following departments-- **Production House, Quality Control, Quality Assurance and Microbiology** under the Supervision and Guidance of Mr. Kuladeep. M, (HR) from 26th June 2023 to 15th July 2023 (144 hours) as a part of her Internship.

During her internship, she was exposed to various activities in the **API (Active Pharmaceutical Ingredients) Production and Quality Analysis**, as Intern, she has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish her all the Best for her Future Endeavors.

For Symed Labs Limited, Unit-II

  
T.K. Prasad  
General Manager Operations





# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

Date: - 15<sup>th</sup> July 2023

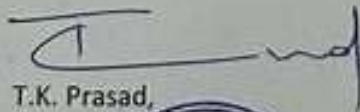
## CERTIFICATE OF INTERNSHIP

This is to Certify that Mr. Kolluru Hrithik (Roll No: 1601-20-805-051), student of B. Tech (Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana, was provided training in 'Symed Labs Limited' in the following departments-- **Production House, Quality Control, Quality Assurance and Microbiology** under the Supervision and Guidance of Mr. Kuladeep. M, (HR) from 26th June 2023 to 15th July 2023 (144 hours) as a part of his Internship.

During his internship, he was exposed to various activities in the **API (Active Pharmaceutical Ingredients) Production and Quality Analysis**, as Intern, he has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish him all the Best for his Future Endeavors.

For Symed Labs Limited, Unit-II



T.K. Prasad,

General Manager





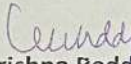
**HETERO DRUGS LIMITED (UNIT-I)**  
Survey No.213, 214 & 255, Bonthapally (Vill),  
Gummadidala (Mandal),  
Sanga Reddy (Dist) - 502313,  
Telangana, INDIA.  
Tel: +91 9704432102 / 9704432103

30<sup>th</sup> June 2023

## CERTIFICATE

This is to certify that Ms. Sai Shriya Yanamandra (Roll no. 1601-20-805-020), student of B.Tech.(Biotechnology) 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana was provided training in "Microbial Detection and Product Quality Analysis" under the supervision and guidance of Mr. M. Laxman, Deputy Manager, Head of Microbiology Department, Hetero Drugs Limited Unit-1, Hyderabad, from 12/06/2023 to 30/06/2023 (3 weeks) for 136 hours as part of her internship. During this period of her internship program with us, she was found to be inquisitive, dedicated and hardworking.

For Hetero Drugs Limited

  
K. Krishna Reddy  
DGM - HR





# CERTIFICATE

of Internship at  
Agrighar Services Pvt Ltd

This certificate is proudly presented for honorable achievement to

*Sanjana Reddy Pailla*

on the topic "Food Processing - Fruits & Vegetables"  
during 12 -30, June 2023

Karra Pravallika Reddy

TRAINING MANAGER  
Agrighar Services Pvt Ltd

Dr Sowmini Sunkara

MANAGING DIRECTOR  
Agrighar Services Pvt Ltd


Date: 22.07.2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Sharvani Pokala, D/o Sridhar Pokala worked as an "INTERN" in the department of LABORATORY with Sri Sri Holistic Group of Hospitals at KPHB Branch from Date: 29-Jun-2023 to 22-July-2023.

Ms. Sharvani Pokala found to be very sincere and active in her duties during the tenure. We appreciate her contribution to the Organization and wish her all success in her future endeavours.

for Sree Ramachandra Health Services Pvt Ltd.

  
Mr Kumar  
Manager  
Human Resources



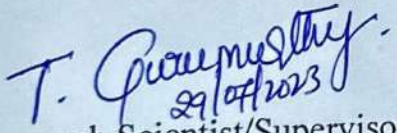





Certificate

This is to certify that Dr./Mrs./Miss./Mr. Salukuti. Shreechandra has attended a training program on In vivo Preclinical Studies held at Jeeva Life Sciences, Hyderabad during the tenure of 3 Weeks days/weeks/months, from 01-07-2023 to 21-07-2023 He /She has Successfully completed a research Project/Training report The overall performance of the candidate has been rated under V.Good category with a CGPA of 9.3

Signed and sealed upon this day

  
29/07/2023  
Research Scientist/Supervisor

  
29/07/2023  
Chief Scientific Officer

3<sup>rd</sup> August, 2023

**TO WHOM SO IT MAY EVER CONCERN**

This is to certify that Ms. Shreya Banalla (Roll no. 160120805027), student of B Tech Biotechnology at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad has completed her internship under the supervision of Ms. Alekhya Tenali at CSIR-CIFT, Willingdon Island, Kochi from 14<sup>th</sup> June to 28<sup>th</sup> July, 2023 as per their curriculum.

We wish her the very best in her future endeavors

With Regards

Authorized Signatory

Santosh Donkina

CEO

Puakai AgriAqua.





**Date: 18.08.2023**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. SHRIYA REDDY PATLOLLA**, Bearing Regd No. is **160120805028** from Chaitanya Bharathi Institute of Technology, Hyderabad has undergone for Internship with **Biophore India Pharmaceuticals Pvt Ltd, R&D Centre, Pashamylaram, Hyderabad** from June-2023 to July-2023. For which the training of the project details as mentioned below.

**Isolation of *Fucoidan* from *Sargassum* seaweed by extraction method.**

During the tenure, her conduct was found to be satisfactory.

We wish her all the very best in future endeavours.

**For Biophore India Pharmaceuticals Pvt Ltd**

  
**Manager - HR**



# CERTIFICATE OF TRAINING

awarded to

**SOUBORNI NANDY**

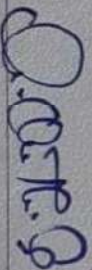
upon successful completion of a course on

## AN INTRODUCTION TO BIOPHARMACEUTICAL INDUSTRY

conducted at our facility from 3<sup>rd</sup> July to 14<sup>th</sup> July 2023.



Christina Rosy J  
Course Instructor(s)



Karthikeyan M  
Sr. Manager, Quality



Dr. H. Nellaiah  
HOD, Training and R&D

Bangalore BioTech Labs Pvt. Ltd

*We are into the business of Saving Lives™*





**QSTATIX PRIVATE LIMITED, HYDERABAD, INDIA**

## **Certificate of Participation**

This is to certify that Ms. Soumya Mandala (1601-20-805-031), student of B.Tech.(Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana was completed project on "Evaluation of biological properties of coriander and peppermint Constituents against Alzheimer's disease" under the supervision and guidance of Dr. Purushotham Uppula, Managing Director, Qstatix Private Limited, Hyderabad, from 17/06/2022 to 17/07/2023(4 weeks) as part of her internship.

  
  
**Dr. Purushotham Uppula**  
**Managing Director, Qstatix**



**QSTATIX PRIVATE LIMITED, HYDERABAD, INDIA**

### **Certificate of Participation**

This is to certify that Ms. Neelam Sravani (1601-20-805-033), student of B.Tech.(Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana was completed project on "Evaluation of biological properties of coriander and peppermint Constituents against Alzheimer's disease" under the supervision and guidance of Dr. Purushotham Uppula, Managing Director, Qstatix Private Limited, Hyderabad, from 17/06/2023 to 17/07/2023(4 weeks) as part of her internship

  
  
**Dr. Purushotham Uppula**  
Managing Director, Qstatix



# CERTIFICATE

of Internship at  
Agrighar Services Pvt Ltd

This certificate is proudly presented for honorable achievement to

*Vanga Sri Varsha*

on the topic "Food Processing - Fruits & Vegetables"  
during 12 -30, June 2023

Karra Pravallika Reddy

TRAINING MANAGER  
Agrighar Services Pvt Ltd

Dr Sowmini Sunkara

MANAGING DIRECTOR  
Agrighar Services Pvt Ltd





# CERTIFICATE

of Internship at  
Agrighar Services Pvt Ltd

This certificate is proudly presented for honorable achievement to

*Tanmayi Boreda*

on the topic "Food Processing - Fruits & Vegetables"  
during 12 -30, June 2023

Karra Pravallika Reddy

TRAINING MANAGER  
Agrighar Services Pvt Ltd

Dr Sowmini Sunkara

MANAGING DIRECTOR  
Agrighar Services Pvt Ltd



# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

Date: - 15<sup>th</sup> July 2023

## CERTIFICATE OF INTERNSHIP

This is to Certify that Ms. Syeda Umamah Fatima (Roll No: 1601-20-805-036), student of B. Tech (Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana, was provided training in 'Symed Labs Limited' in the following departments-- **Production House, Quality Control, Quality Assurance and Microbiology** under the Supervision and Guidance of **Mr. Kuladeep. M. (HR)** from **26th June 2023 to 15th July 2023** (144 hours) as a part of her Internship.

During her internship, she was exposed to various activities in the **API (Active Pharmaceutical Ingredients) Production and Quality Analysis**, as Intern, she has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish her all the Best for her Future Endeavors.

For Symed Labs Limited, Unit-II

T.K. Prasad,  
General Manager



# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

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Date: - 24<sup>th</sup> July 2023.

## TO WHOMSOEVER IT MAY CONCERN

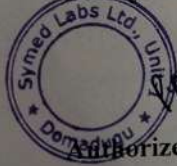
This is to certify that Ms. **Lakavath Vennela** bearing Roll No. **1601-20-805-038** the student of **B Tech Bio Technology** from **Chaitanya Bharathi Institute of Technology, Hyderabad** has completed the Internship Program. During this internship she had gained knowledge on Quality Assurance Department at Symed Labs Limited Unit-I from 19<sup>th</sup> June 2023 to 15<sup>th</sup> July 2023.

She is good at experimentation and analysis. She is committed and her great time sense.

We wish her all the best in her future endeavors.

With Regards,

For Symed Labs Ltd Unit-I,



Authorized Signatory

# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

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Date: - 15<sup>th</sup> July 2023


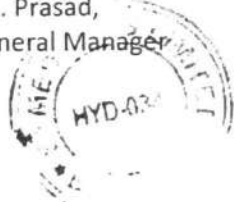
## CERTIFICATE OF INTERNSHIP

This is to Certify that **Mr. Gaddam Akash (Roll No: 1601-20-805-039)**, student of B. Tech (Biotechnology), '**Chaitanya Bharathi Institute of Technology**', Gandipet, Hyderabad, Telangana, was provided training in '**Symed Labs Limited**' in the following departments-- **Production House, Quality Control, Quality Assurance and Microbiology** under the Supervision and Guidance of **Mr. Kuladeep. M, (HR)** from **26th June 2023 to 15th July 2023** (144 hours) as a part of his Internship.

During his internship, he was exposed to various activities in the **API (Active Pharmaceutical Ingredients) Production and Quality Analysis**, as Intern, he has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish him all the Best for his Future Endeavors.

For Symed Labs Limited, Unit-II

  
T.K. Prasad,  
General Manager  


# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

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Date: - 15<sup>th</sup> July 2023

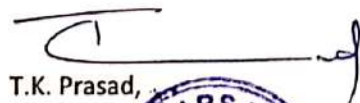
## CERTIFICATE OF INTERNSHIP

This is to Certify that Mr. Alloju Abhishek (Roll No: 1601-20-805-040), student of B. Tech (Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana, was provided training in 'Symed Labs Limited' in the following departments-- Production House, Quality Control, Quality Assurance and Microbiology under the Supervision and Guidance of Mr. Kuladeep. M, (HR) from 26th June 2023 to 15th July 2023 (144 hours) as a part of his Internship.

During his internship, he was exposed to various activities in the API (Active Pharmaceutical Ingredients) Production and Quality Analysis, as Intern, he has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish him all the Best for his Future Endeavors.

For Symed Labs Limited, Unit-II



T.K. Prasad,  
General Manager





# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.

URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

---

Date: - 15<sup>th</sup> July 2023


## CERTIFICATE OF INTERNSHIP

This is to Certify that **Mr. Aniruddha Sreeram Bobbili** (Roll No: **1601-20-805-041**), student of B. Tech (Biotechnology), '**Chaitanya Bharathi Institute of Technology**', Gandipet, Hyderabad, Telangana, was provided training in '**Symed Labs Limited**' in the following departments-- **Production House, Quality Control, Quality Assurance and Microbiology** under the Supervision and Guidance of **Mr. Kuladeep. M.** (HR) from **26th June 2023 to 15th July 2023** (144 hours) as a part of his Internship.

During his internship, he was exposed to various activities in the **API (Active Pharmaceutical Ingredients) Production and Quality Analysis**, as Intern, he has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish him all the Best for his Future Endeavors.

For Symed Labs Limited, Unit-II

  
T.K. Prasad,  
General Manager Operations





# BHASKAR MEDICAL COLLEGE

(Recognised by MCI & M.H. & F.W., Govt of India)  
(Sponsored by Joginpally B.R. Educational Society)  
Bhaskar Nagar, Yenkaply Village, Moinabad Mandal, R.R. Dist - 75. Telangana State.  
Phone : 08413-235446 Fax : 08413-235447  
www.bhaskarmedicalcollege.edu.in Email: principal.bhaskarmc@gmail.com

BMC/ADMN/2023

Date: 21.07.2023

## TO WHOM SO EVER IT MAY CONCERN

Mr. Ashish Raj, a student of B. Tech - Biotechnology in CBIT, on his application, has been permitted for observer ship as part of his project in Internship. He has successfully done observer ship from 20.06.2023 to 20.07.2023 in department of Dermatology demonstrating understanding/collecting data on patients affected by skin diseases under the guidance of department of Dermatology.

Dean 21/7/23

**Bhaskar Medical College**

DEAN

**BHASKAR MEDICAL COLLEGE**

**YENKAPALLY (V), MOINABAD (M).**

**R.R. Dist.-500 075.**

3<sup>rd</sup> August, 2023

**TO WHOM SO IT MAY EVER CONCERN**

This is to certify that Mr. Badhe Nitin Ratnam (Roll no. 160120805043), student of B Tech Biotechnology at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad has completed his internship under the supervision of Ms. Alekhya Tenali at CSIR-CIFT, Willingdon Island, Kochi from 14<sup>th</sup> June to 28<sup>th</sup> July, 2023 as per their curriculum.

We wish him the very best in his future endeavors

With Regards

Authorized Signatory

Santosh Donkina

CEO

Puakai AgriAqua.

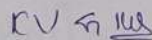


Date: 29<sup>th</sup> July 2023

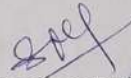
**CERTIFICATE**

This is to certify that Mr. Matta Chenna Keshava Charan (Student ID No: 160120805046) studying B.Tech Biotechnology at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana has completed Project Work on "Effect of supplementation of amino acids on the production of recombinant protein by Invitro and Insilico studies" from 28<sup>th</sup> June 2023 to 29<sup>th</sup> July 2023 at our company.

Mr. Matta Chenna Keshava Charan has shown keen interest during the training period and we wish him a great success.



Venkata Sri Krishna.K  
(Senior Research Scientist)






Dr. Sudarshana Reddy.L  
(Managing Director)



Oncosimis Biotech Private Limited

An ISO 9001:2015 Certified

Onsite: Plot No. 3, IDA Uppal, Genpact Rd, Habsiguda, Hyderabad, TS, India-500007.  
Regd. Office: LIG, Block No 38, Flat No 7, Baghlinghampalli, Hyderabad, TS, India-500044.

 [info@oncosimis.com](mailto:info@oncosimis.com)  Ph: +91 40 2956 3618.  [www.oncosimis.com](http://www.oncosimis.com)  
GSTIN: 36AACCO4068M1Z2; PAN: AACCO4068M; IEC: 0916504336





# CERTIFICATE

of Internship at  
Agrighar Services Pvt Ltd

This certificate is proudly presented for honorable achievement to

*T Gourav*

on the topic "Food Processing - Fruits & Vegetables"  
during 12 -30, June 2023

Karra Pravallika Reddy

TRAINING MANAGER  
Agrighar Services Pvt Ltd

Dr Sowmini Sunkara

MANAGING DIRECTOR  
Agrighar Services Pvt Ltd



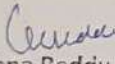
HETERO DRUGS LIMITED (UNIT-I)  
Survey No.213, 214 & 255, Bonthapally (VIII),  
Gummadidaia (Mandal),  
Sanga Reddy (Dist) - 502313,  
Telangana, INDIA.  
Tel : +91 9704432102 / 9704432103

30<sup>th</sup> June 2023

## CERTIFICATE

This is to certify that Mr. Harish Pole (Roll no. 1601-20-805-050), student of B.Tech.(Biotechnology) 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana was provided training in "Microbial Detection and Product Quality Analysis" under the supervision and guidance of Mr. M. Laxman, Deputy Manager, Head of Microbiology Department, Hetero Drugs Limited Unit-1, Hyderabad, from 12/06/2023 to 30/06/2023 (3 weeks) for 136 hours as part of his internship. During this period of his internship program with us, he was found to be inquisitive, dedicated and hardworking.

For Hetero Drugs Limited

  
K. Krishna Reddy  
DGM - HR



# SYMED LABS LIMITED

Corp. Office : 8-2-293/174/3, Beside BN Reddy Colony, Road No. 14, Banjara Hills,  
Hyderabad-500 034, Telangana, INDIA. Tel : +91 40 23635000, Fax : +91 40 23549428.  
URL : <http://www.symedlabs.com>, CIN No. U24231TG1998PLC029961

Date: - 15<sup>th</sup> July 2023

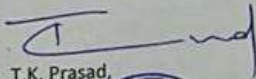
## CERTIFICATE OF INTERNSHIP

This is to Certify that Mr. Kolluru Hrithik (Roll No: 1601-20-805-051), student of B. Tech (Biotechnology), 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana, was provided training in 'Symed Labs Limited' in the following departments-- Production House, Quality Control, Quality Assurance and Microbiology under the Supervision and Guidance of Mr. Kuladeep. M, (HR) from 26th June 2023 to 15th July 2023 (144 hours) as a part of his Internship.

During his internship, he was exposed to various activities in the API (Active Pharmaceutical Ingredients) Production and Quality Analysis, as Intern, he has demonstrated good Practical skills with a Self-motivated attitude to learn new things.

We wish him all the Best for his Future Endeavors.

For Symed Labs Limited, Unit-II

  
T.K. Prasad,  
General Manager





Date: 28th July 2023,

## CERTIFICATE

This is to certify that **Mr. Kalluri Chetan Babu** (Student ID No 160120805052) studying Btech Biotechnology at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana has completed Project Work on “**Different value-added food products from seaweeds**” from **14 June 2023 to 28th July 2023** at our **Puakai Agri Aqua company, ABI incubation centre, C.I.F.T, Willingdon Island Kochin, Kerala.**

**Mr. Kalluri Chetan Babu** has shown keen interest during the working period, he is committed and has excellent time sense. We wish him all the best in his future endeavours.

With Regards,

**Santosh Donkina,**  
**CEO,**  
**PUAKAI AGRIAQUA.**








Date: 22.07.2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr. Mihir Chandra, S/o Karan Chander worked as an "INTERN" in the department of LABORATORY with Sri Sri Holistic Group of Hospitals at KPHB Branch from Date: 29-Jun-2023 to 22-July-2023.

Mr. Mihir Chandra found to be very sincere and active in his duties during the tenure. We appreciate his contribution to the Organization and wish him all success in his future endeavours.

for Sree Ramachandra Health Services Pvt Ltd.

  
Mr Kumara Swamy  
Manager  
Human Resource



# 1-2-49/13B, Nizampet Road, Hydernagar, Kukatpally, Hyderabad-500 072, TS India  
T : +91 40 44 108 108 Mob.: 888 66 10 108

MIG 113 & 114, Road No. 1, KPHB Colony, Kukatpally, Hyderabad - 500 072, TS India  
T : +91 40 44 56 88 88 Emergency : 91 21 108 108

[www.srisriholistic.com](http://www.srisriholistic.com)





STUDENT ATTENDANCE SHEET (AP-110)

Name of the Student	M. Mihir chandra
Roll No.	160120805054
Name of the Program	
Date of Commencement of Internship	
Date of Completion of Internship	
Organization Name	

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June																																
July																																

- Note:
- Attendance sheet should remain affixed in Daily Training Diary. Do not remove or tear offering
  - Student should sign/initial in the attendance column. Do not mark 'P'
  - Holidays should be in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.
  - Signature of Company Internship supervisor with company stamp/seal

Industry Supervisor's Name: Sanjiv Nathale

Signature with date: San W 22/7/23





# CERTIFICATE

OF INTERNSHIP

THIS IS TO CERTIFY

**MR. NARU RAKESH REDDY**

(Roll no:1601-20-805-055), B.Tech Biotechnology student from Chaitanya Bharathi Institute of Technology, Gadipet, Hyderabad has completed 4 weeks (16/06/23 – 22/07/23) internship in the Clinical genomics at **Progenics laboratories Pvt Ltd**, India.

He worked on the project title "**Exploring the significance of clinical genomics in identifying various genetic disorders**". We sincerely appreciate her dedication, enthusiasm, and perseverance throughout her intern period and wish her all good luck in any future endeavors.

*Jal-01*  
*14/08/2023*

**Dr. Jahnavi k**  
**(Senior Manager – Genomic Medicine)**





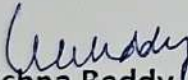
HETERO DRUGS LIMITED (UNIT-1)  
Survey No.213, 214 & 255, Bonthapally (Vill),  
Gummadidala (Mandal),  
Sanga Reddy (Dist) - 502313.  
Telangana, INDIA.  
Tel : +91 9704432102 / 9704432103

30<sup>th</sup> June 2023

## CERTIFICATE

This is to certify that Mr. DL. Sai Prathibh (Roll no. 1601-20-805-057), student of B.Tech.(Biotechnology) 'Chaitanya Bharathi Institute of Technology', Gandipet, Hyderabad, Telangana was provided training in "Microbial Detection and Product Quality Analysis" under the supervision and guidance of Mr. M. Laxman, Deputy Manager, Head of Microbiology Department, Hetero Drugs Limited Unit-1, Hyderabad, from 12/06/2023 to 30/06/2023 (3 weeks) for 136 hours as part of his internship. During this period of his internship program with us, he was found to be inquisitive, dedicated and hardworking.

For Hetero Drugs Limited

  
K. Krishna Reddy  
DGM - HR 30/06/2023



Corporate

7-2-A2, Industrial Estates, Sanath Nagar, Hyderabad-500 018, Telangana, India  
T: +91 40 23704923 / 25

[www.hetero.com](http://www.hetero.com)



# CERTIFICATE

of Internship at  
Agrighar Services Pvt Ltd

This certificate is proudly presented for honorable achievement to

*Yashasvi Kambhampati*

on the topic "Food Processing - Fruits & Vegetables"  
during 12 -30, June 2023

Karra Pravallika Reddy

TRAINING MANAGER  
Agrighar Services Pvt Ltd

Dr Sowmini Sunkara

MANAGING DIRECTOR  
Agrighar Services Pvt Ltd

Department of Biotechnology, CBIT (A)  
 BTech Biotechnology VIII sem Project Part II AY 2023-24  
 (2023-24) 2020-24 batch details

<b>S N O</b>	<b>Roll No</b>	<b>Name</b>	<b>TOPIC</b>	<b>Institute/ Industry</b>	<b>Guide</b>
<b>1</b>	160120805042	R. Ashish Raj	A study to develop anti-pigment-loaded hydrogel films	CBIT	Dr. G Vijaya Laxmi and Dr K Dharmalingam
	160120805047	P. Dinesh Reddy			
	160120805059	M. Sumanth Rao			
<b>2</b>	160120805007	Chaitra Gali	Biomarkers as the key to the early detection of ovarian cancer	CBIT	Dr V. Aruna
	160120805048	Divyamshu Surabhi			
	160120805058	Samanth Chinthakindhi			
<b>3</b>	160120805002	Aishwarya Kulkarni	Development of Hydrogel infused Organic Fertilizers for Sustainable Agriculture	CBIT	Dr G. Vijaya Laxmi
	160120805010	Fouzia Rafath			
	160120805016	Sujatha Kolluru			
<b>4</b>	160120805027	Banalla Shreya	Algae-based bioplastics for sustainable packaging	CBIT	Dr Y. Rajasri
	160120805043	Badhe Nitin Ratnam			
<b>5</b>	160120805009	Divya			Dr Y. Rajasri

	160120805018	Reena Pravallika	Sargassum's Skincare Potential: Exploring, Screening, Extracting Fucoidan, and Validating Its Potent Application in skincare	CBIT	
	160120805052	Chetan Babu			
<b>6</b>	160120805020	Shriya Y	Synthesis of nanospheres for the treatment of lung cancer	CBIT	Dr C. Obula Reddy
	160120805034	V Sri Varsha			
	160120805060	Yashasvi Kambhampati			
<b>7</b>	160120805039	Akash	Isolation and Screening of Anti-Cancerous Compounds from Biological Sources (Plant Exudates) on HEPG2-Liver Cancer Cell Line	CBIT	Dr C. Obula Reddy
	160120805041	Aniruddha			
	160120805053	Vikki			
<b>8</b>	160120805005	Mounika	Biorefinery Systems Engineering: Ethanol Generation and Coproduct Optimization from Food Waste	CBIT	Dr. S. Sumithra
	160120805022	Sathvika			
	160120805045	Bhanu Prakash			
<b>9</b>	160120805031	M. Soumya	Utilizing Hydrochar Derived from Hydrothermal Carbonization of Fruit Waste: Versatile Applications in Supercapacitors and Superadsorbents	NIT Warangal	Dr. S. Sumithra
	160120805033	N. Sravani		NIT Warangal	
<b>10</b>	160120805044	Balaji Doolam	Development of Multifunctional Biomaterials: Nanocellulose from	NIT Warangal	Dr. S. Sumithra



	160120805046	Matta Chenna Keshava Charan	Banana Leaves for Food Packaging and Wound Dressing Applications	NIT Warangal	
<b>11</b>	160120805025	Shreechandra	Microbial production of carbohydrate biopolymer	CBIT	Dr B. Mishra
	160120805028	Shriya Reddy			
	160120805038	Vennela			
<b>12</b>	160120805021	Sanjana Reddy	Nano emulsions against E. coli and Salmonella species in fresh fruit and vegetables	CBIT	Dr B. Mishra
	160120805035	Tanmayi Boreda			
	160120805049	T. Gourav			
<b>13</b>	160120805026	Shreenija Peri	Extraction of phytochemicals from Tridax procumbens and its effect on liver cancer	CBIT	Dr. C. Nagendranatha Reddy
<b>14</b>	160120805003	Alwina G	Isolation, Identification and Molecular Characteristics of Marine microbes having potential probiotic activity	CBIT	Dr Sanjeeb
	160120805006	Shynisha B			
	160120805029	Sneha			
<b>15</b>	160120805008	Sai Hari Hara Sudheshna Chundururu	Synergistic Antibacterial Action: Antibiotic and Zinc Oxide Nano- particle-Infused Polymeric Films	CBIT	Dr Dharmalingam
	160120805023	Sharvani Pokala			
<b>16</b>	160120805001	Adithi	Development of skin care products from natural ingredients	CBIT	Dr Dharmalingam
	160120805014	Kavya Pasirika			
	160120805054	Mihir Chandra			
<b>17</b>	160120805050	Harish			

	160120805056	Chandra Varna	Synthesis of carbon quantum dots for heavy metal detection in water	CBIT	Dr Dharmalingam
	160120805057	Prathibh		CBIT	
18	160120805013	Jyothika Meenakshi K	Characterizing novel splice variants as biomarkers for early detection of cachexia	CBIT	Dr Kiran
	160120805030	Souborni Nandy		CBIT	
	160120805037	V Shreya Sharma		CBIT	
19	160120805017	Neha Reddy M	Optimization of organic acids for intimate care applications by RSM	CBIT	Dr Kiran
	160120805024	Shivani Reddy K		CBIT	
	160120805051	Hrithik Kolluru		CBIT	
20	160120805019	Sirisha Valluru	Exploring the Role of PAD Enzymes and Epigenetic Remodeling in the Pathogenesis of Rheumatoid Arthritis: An <i>In-Silico</i> Study	CBIT	Dr B. Sumithra
21	160120805012	Hamsini	Predictive Approaches on classification of SCA subtypes: A comprehensive analysis	CBIT	Dr B. Sumithra
	160120805036	Umamah		CBIT	
	160120805040	Abhishek		CBIT	
22	160120805032	Spoorthi Sada	Novel In-silico Strategy for Targeting Multi-Drug Resistant Gut Bacterial Species	CBIT	Dr B. Sumithra
	160120805055	Rakesh Reddy		CBIT	

*A. Panday*

**HEAD**

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

# A STUDY TO DEVELOP ANTI-PIGMENTS LOADED HYDROGEL FILMS

PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY



By

<b>Ashish Ramagalla</b>	-	<b>160120805042</b>
<b>P. Dinesh Reddy</b>	-	<b>160120805047</b>
<b>M. Sumanth Rao</b>	-	<b>160120805059</b>

Under the guidance of

**Dr. G. Vijaya Laxmi**, Associate Professor, and

**Dr. K. Dharmalingam**, Assistant Professor

**Department of Biotechnology**

**Chaitanya Bharathi Institute of Technology**

(Autonomous and affiliated to Osmania University)

Hyderabad – 500075

**May 2024**



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana 500075. www.cbti.ac.in



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

# 45

years

## CERTIFICATE

This is to certify that project entitled "A study to develop anti-pigments loaded hydrogel films" submitted by Mr. Ashish Ramagalla (160120805042), Mr. P. Dinesh Reddy (160120805047) and Mr. M. Sumanth Rao (160120805059) in the partial fulfillment 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. G. Vijaya Laxmi, Associate Professor, and Dr. K. Dharmalingam, Assistant Professor, Dept. 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-1:

Name: Dr. G. Vijaya Laxmi  
Signature:   
**DR. G. VIJAYA LAXMI**  
Date: Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

Name: Dr. S. Sumithra

Signature:

Date: 29/1/24

### External Examiner:

Name: Prof. P. Raju Rao  
Signature:   
Date:

### Internal Guide-2:

Name: Dr. K. Dharmalingam

Signature:

Date: 01/5/24

### Internal Examiner-2:

Name: Dr. G. Vijaya Laxmi

Signature:

Date: 1/5/24

### HOD, Biotechnology

Name: Dr. Ashoutosh Panday

Signature:

Date:

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



**BIOMARKERS AS THE KEY TO THE EARLY DETECTION OF  
OVARIAN CANCER**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF “BACHELOR OF BIOTECHNOLOGY”**



**By**

**Chaitra Gali – 1601-20-805-007**

**Divyamshu Surabhi – 1601-20-805-048**

**Samanth Chinthakindhi – 1601-20-805-058**

**B. Tech Biotechnology**

**Under the guidance of**

**Dr. V Aruna, Associate Professor**

**DEPARTMENT OF BIOTECHNOLOGY**

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

**TELANGANA – 500075**

**May 2024**



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION

45 years

## CERTIFICATE

This is to certify that the Project entitled “Biomarkers as the key to the early detection of Ovarian Cancer” submitted by Chaitra Gali (160120805007), Divyamshu Surabhi (160120805048) and Samanth Chinthakindhi (160120805058) in the 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. V. Aruna, 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. V. Aruna

Signature:

Date: 30/4/2024

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

### Internal Examiner – 1

Name: Dr. S Sumitra

Signature:

Date: 29/4/24

### External Examiner

Name: Dr. P. Raja Rao

Signature:

Date: 3/5/2024

### Internal Examiner – 2

Name: Dr. G Vijaya Laxmi

Signature:

DR. G. VIJAYA LAXMI

Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

HOD, Biotechnology

Name: Dr. Ashoutosh Panday

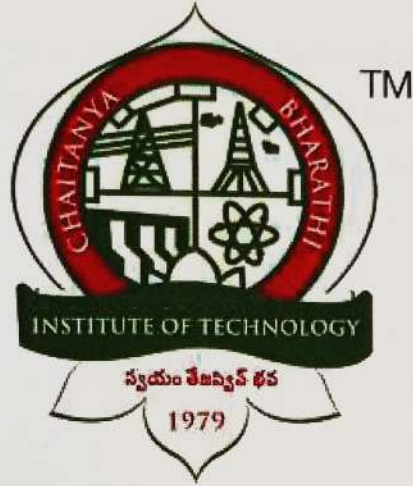
Signature:

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

Date: 30/4/2024

**DEVELOPMENT OF HYDROGEL INFUSED ORGANIC  
FERTILIZERS FOR SUSTAINABLE AGRICULTURE**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENT FOR THE DEGREE OF "BACHELOR OF TECHNOLOGY" IN  
THE BIOTECHNOLOGY**



**By**

**Aishwarya Kulkarni-160120805002**

**Shaik Fouzia Rafath -160120805010**

**Kolluru Naga Venkata Sujatha- 160120805016**

**B. Tech Biotechnology**

Under the Guidance of

**Dr. G. Vijaya Laxmi, Associate Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
(AFFILIATED TO OSMANIA UNIVERSITY)  
HYDERABAD – 500075**

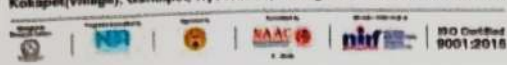
**May 2024**





**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 “Development of Hydrogel Infused Organic Fertilizers for Sustainable Agriculture” submitted by Aishwarya Kulkarni (160120805002), Shaik Fouzia Rafath (160120805010), Kolluru Naga Venkata Sujatha (160120805016), 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. G. Vijaya Laxmi, Associate 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 Guide

Name: Dr. G. Vijaya Laxmi

Signature: 

**Dr. G. VIJAYA LAXMI**

Date: Associate Professor

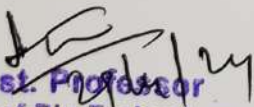
Department of Biotechnology

Chaitanya Bharathi Institute of Technology (A)

Gandipet, Hyderabad - 500 075

### Internal Examiner – 1

Name: Dr. S Sumitra

Signature: 

**Asst. Professor**

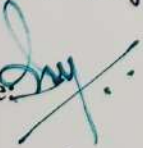
Date: Dept. of Bio-Technology

Chaitanya Bharathi Institute of Technology

Gandipet, Hyderabad-500 075.

### External Examiner

Name: Dr. P. Raja Rao

Signature: 

Date: 3/05/2024

### Internal Examiner – 2

Name: Dr. G Vijaya Laxmi

Signature: 

**Associate Professor**


Date: Dept. of Bio-Technology

Chaitanya Bharathi Institute of Technology

Gandipet, Hyderabad-500 075.

### HOD, Biotechnology

Name: Dr. Ashoutosh Panday

Signature: 

**HEAD**

Dept. of Bio-Technology

Date: Chaitanya Bharathi Institute of Technology

Gandipet, Hyderabad-500 075



# **ALGAE BASED BIOPLASTICS FOR SUSTAINABLE PACKAGING**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF "BACHELOR OF  
BIOTECHNOLOGY"**



By

**BANALLA SHREYA (1601-20-805-027)**

**BADHE NITIN RATNAM (1601-20-805-043)**

Under the guidance of

**Dr. RAJASRIYADAVALLI, Associate Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY  
(AFFILIATED TO OSMANIA UNIVERSITY)  
HYDERABAD – 500075.**

**MAY 2024**



**CERTIFICATE**

This is to certify that the major project entitled **"ALGAE BASED BIOPLASTICS FOR SUSTAINABLE PACKAGING"** submitted by **Banalla Shreya** (1601-20-805-27) and **Badhe Nitin Ratnam** (1601-20-805-043) 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. Rajasri Yadavalli**, Associate 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 Guide**

Name: Dr. Rajasri Yadavalli Associate Professor  
 Dept. of Bio-Technology  
 Chaitanya Bharathi Institute of Technology  
 Gandipet, Hyderabad-500 075.

Signature: *[Handwritten Signature]*

Date: 29/4/24

**Internal Examiner - 1**

Name: Dr. S. Sumithra

Signature: *[Handwritten Signature]*

Date: 29/4/24

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

**Internal Examiner - 2**

Name: Dr. G. Vijaya Laxmi

Signature: *[Handwritten Signature]*

Date: 29/4/24

**Dr. G. VIJAYA LAXMI**  
 Associate Professor  
 Department of Biotechnology  
 Chaitanya Bharathi Institute of Technology  
 Gandipet, Hyderabad - 500 075

**External Examiner**

Name: *[Handwritten Name]*

Signature: *[Handwritten Signature]*

Date:

**Head of Department**

Name: Dr. Ashoutosh Panday

Signature: *[Handwritten Signature]*

Date:

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

# **SARGASSUM'S SKINCARE POTENTIAL:**

**EXPLORING, SCREENING, EXTRACTING FUCOIDAN, AND  
VALIDATING ITS POTENT APPLICATION IN SKINCARE**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

**DIVYA PREMA SUROJU - 160120805009**  
**BALLA REENA PRAVALLIKA - 160120805018**  
**KALLURI CHETAN BABU - 160120805052**

**Under the guidance of**

**Dr. Rajasri Yadavalli**

**Associate professor**

**Department of biotechnology**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

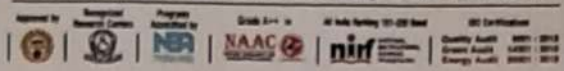
**May 2024**





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Kokaperi Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

# 45

years

## CERTIFICATE

This is to certify that the project entitled *“Sargassum's Skincare Potential: Exploring, Screening, Extracting Fucoidan, and Validating Its Potent Application in skincare”* submitted by Ms. Divya Prema Suroju (1601-20-805-009), Ms. Balla Reena Pravallika (1601-20-805-018), and, Mr. Kalluri Chetan Babu (1601-20-805-052), 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. Rajasri Yadavalli**, 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. Rajasri Yadavalli

Signature:

Date:

29/4/24  
Associate Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

### Internal Examiner – 1

Name: Dr. S Sumithra

Signature:

Date:

29/4/24  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

### Internal Examiner – 2

Name: Dr. G Vijaya Laxmi

Signature:

Date:

29/4/24  
**Dr. G. VIJAYA LAXMI**  
Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

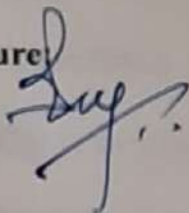


External Examiner

Name:

Signature:

Date:

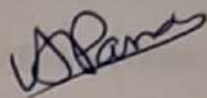


HOD, Biotechnology

Name: Dr. Ashoutosh Panday

Signature:

Date:



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

# SYNTHESIS OF NANOSPHERES FOR THE TREATMENT OF LUNG CANCER

PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF "BACHELOR OF TECHNOLOGY"  
IN THE BIOTECHNOLOGY



By

Sai Shriya Yanamandra - 1601-20-805-020

Vanga Sri Varsha - 1601-20-805-034

Kambhampati Yashasvi - 1601-20-805-060

Under the guidance of

Dr. C. Obula Reddy, Asst. Professor, Dept. of Biotechnology, CBIT

Department of Biotechnology  
Chaitanya Bharathi Institute of Technology  
(Affiliated to Osmania University)  
Hyderabad – 500075

April 2024



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION **45** years

## CERTIFICATE

This is to certify that the project entitled “*Synthesis of Nanospheres for the Treatment of Lung Cancer*” submitted by Ms. Sai Shriya Yanamandra (1601-20-805-020), Ms. Vanga Sri Varsha (1601-20-805-034), and Mr. Kambhampati Yashasvi (1601-20-805-060), in the 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 report of the work carried out under the supervision of **Dr. C. Obula Reddy**, 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 Guide

**Name:** Dr. C. Obula Reddy

**Signature:**

**Date:**

27/4/24

**Asst. Professor**

Dept. of Bio-Technology

Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075

### Internal Examiner - 1

**Name:** Dr. S. Sumithra

**Signature:**

**Date:**

27/4/24

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

### Internal Examiner - 2

**Name:** Dr. G. Vijaya Laxmi

**Signature:**

**Date:**

27/4/24

**Asst. Professor**  
Dept. of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

### External Examiner

**Name:** Dr. B. Raja Rao

**Signature:**

**Date:**

3/5/24

### HoD, Biotechnology

**Name:** Dr. Ashoutosh Panday

**Signature:**

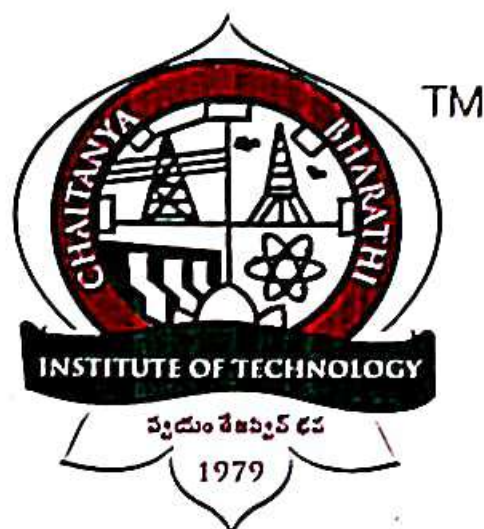
**Date:**

27/4/24

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

**ISOLATION AND SCREENING OF ANTI-CANCEROUS  
COMPOUNDS FROM BIOLOGICAL SOURCES (PLANT  
EXUDATES) ON HepG2 – LIVER CANCER CELL LINE**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENT FOR THE DEGREE OF BACHELOR OF BIOTECHNOLOGY**



By

**AKASH GADDAM  
ANIRUDDHA SREERAM BOBBILI  
METTU VIKKI KUMAR**

**1601-20-805-039  
1601-20-805-041  
1601-20-805-053**

Under the guidance of  
**Dr. C. OBULA REDDY, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY  
HYDERABAD, TELANGANA – 500075.**

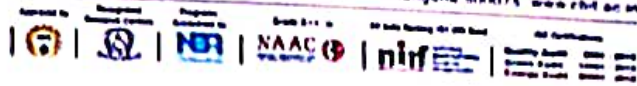
**MAY 2024**





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kotkapet Village, Gandipet Mandal, Hyderabad, Telangana 500075. www.cbti.ac.in



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION  
**45** years

## CERTIFICATE

This is to certify that the major project entitled "Isolation And Screening Of Anti-Cancerous Compounds From Biological Sources (Plant Exudates) On HepG2 – Liver Cancer Cell Line" submitted by Akash Gaddam (1601-20-805-039), Aniruddha Sreeram Bobbili (1601-20-805-041) and Mettu Vikki Kumar (1601-20-805-053) 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. C. Obula Reddy, 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 Guide

Name: Dr. C. Obula Reddy

Signature:

Date: 29/05/2024

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

### Internal Examiner - 1

Name: Dr. S. Sumithra

Signature:

Date: 29/05/2024

Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.  
External Examiner

### Internal Examiner - 2

Name: Dr. G. Vijaya Laxmi

Signature:

Date: 29/05/2024

DR. G. VIJAYA LAXMI  
Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (CBIT)  
Gandipet, Hyderabad - 500 07

Name: Prof. Raja. Rao

Signature:

Date: 03-05-2024

Name: Prof. Ashoutosh Panday

Signature:

Date:

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

**BIOREFINERY SYSTEMS ENGINEERING: BIO-ETHANOL  
GENERATION AND COPRODUCT OPTIMIZATION FROM  
FOOD WASTE**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**B. Mounika – 1601-20-805-005**

**K. Sathvika – 1601-20-805-022**

**T. Bhanu Prakash – 1601-20-805-045**

**Under the guidance of**

**Dr. S. Sumithra, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) HYDERABAD,  
TELANGANA**

**May 2024**



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**

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COMMITTED TO  
RESEARCH,  
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EDUCATION

**45**  
years

## CERTIFICATE

This is to certify that the project entitled "*Biorefinery Systems Engineering: Ethanol Generation and Coproduct Optimization from Food Waste*" submitted by **B. Mounika (1601-20-805-005)**, **K. Sathvika (1601-20-805-022)** and **T. Bhanu Prakash (160120805-045)** 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**, 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. S. Sumithra

**Signature:**

**Date:** 29/4/24

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

### Internal Examiner – 1

**Name:** Dr. S Sumitra

**Signature:**

**Date:** 29/4/24

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

### Internal Examiner – 2

**Name:** Dr. G Vijaya Laxmi

**Signature:**

**Dr. G. VIJAYA LAXMI**

**Date:** Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

### HOD, Biotechnology

### External Examiner

**Name:** Dr. P. Raja Rao

**Signature:**

**Date:** 31/4/24

**Name:** Dr. Ashoutosh Panday

**Signature:**

**Date:**

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



**UTILISING THE HYDROCHAR DERIVED FROM GRAPE  
FRUIT WASTE FOR SUPERCAPACITOR AND  
SUPERADSORBENT APPLICATIONS**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

**Mandala Soumya – 1601-20-805-031**

**Neelam Sravani – 1601-20-805-033**

**Under the guidance of**

**Dr. S. Sumithra**, Assistant Professor, Dept. of Biotechnology, CBIT

**Prof. S. Srinath**, Dept. of Chemical Engineering, NIT, Warangal.

**Dr. M. V. Rohith**, PDF, Dept. of Chemical Engineering, NIT, Warangal

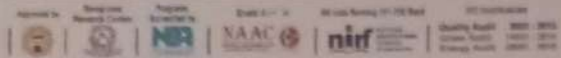
**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**May 2024**





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COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

**CERTIFICATE**

This is to certify that the project entitled "*Utilising the Hydrochar derived from grape fruit waste for Supercapacitor and Superadsorbent Applications*" submitted by **Mandala Soumya (1601-20-805-031)** and **Neelam Sravani (1601-20-805-033)** 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 Sumitra**, Assistant professor, Department of Biotechnology, CBIT, **Prof. S. Srinath**, Dept. Of Chemical Engineering, NIT, Warangal, **Dr. M. V. Rohith, PDF**, Dept. Of Chemical Engineering, NIT, Warangal 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:** 21/4/24

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

**Internal Examiner – 1**

**Name:** Dr. S Sumithra

**Signature:**

**Date:** 21/4/24

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

**Internal Examiner – 2**

**Name:** Dr. G Vijaya Laxmi

**Dr. G. VIJAYA LAXMI**  
**Associate Professor**  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

**External Examiner**

**Name:** Dr. P. Raja Rao

**Signature:**

**Date:** 03/05/24

**HOD, Biotechnology**

**Name:** Dr. Ashoutosh Panday

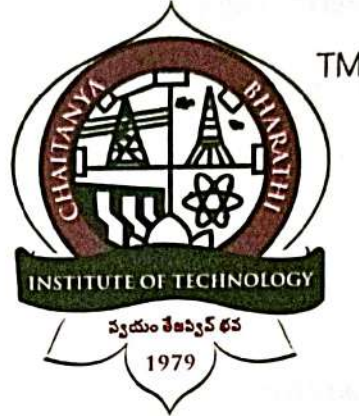
**Signature:**

**Date:**

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

# DEVELOPMENT OF MULTIFUNCTIONAL BIOMATERIALS: NANOCELLULOSE FROM BANANA LEAVES FOR FOOD PACKAGING AND WOUND DRESSING APPLICATIONS

PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY



By

**Balaji Doolam** - 160120805044  
**Matta Chenna Keshava** - 160120805046  
**Charan**

Under the guidance of

**Dr. S. Sumithra**, Assistant Professor, Dept. of Biotechnology, CBIT

**Prof. S. Srinath**, Dept. of Chemical Engineering, NIT, Warangal.

**Dr. M. V. Rohith**, PDF, Dept. of Chemical Engineering, NIT, Warangal.

**Department of Biotechnology**

**Chaitanya Bharathi Institute of Technology**

(Autonomous and affiliated to Osmania University)

Hyderabad – 500075

**May 2024**





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EDUCATION

45  
years

## CERTIFICATE

This is to certify that the project entitled “**Development of Multifunctional Biomaterials: Nanocellulose from Banana Leaves for Food Packaging and Wound Dressing Applications**” submitted by **Mr. Balaji Doolam (160120805044)** and **Mr. M. C. K. Charan (160120805046)** in the partial fulfillment 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. S. Sumithra, Assistant Professor, Dept. Of Biotechnology, CBIT**, **Prof. S. Srinath, Dept. Of Chemical Engineering, NIT, Warangal**, **Dr. M. V. Rohith, PDF, Dept. Of Chemical Engineering, NIT, Warangal** 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. S. Sumithra

Signature:

Date: 29/4/24

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

### Internal Examiner-1:

Name: Dr. S. Sumithra

Signature:

Date: 29/4/24

### External Examiner:

Name: Dr. P. Raja Rao

Signature:

Date: 03/05/24

### Internal Examiner-2:

Name: Dr. G. Vijaya Laxmi

Signature:   
**Dr. G. VIJAYA LAXMI**  
Associate Professor

Date: 30/5/24  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

### HOD, Biotechnology

Name: Dr. Ashoutosh Panday

Signature:

Date: 01/05/24

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



# **MICROBIAL PRODUCTION OF CARBOHYDRATE BASED POLYMER**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF "BACHELOR OF TECHNOLOGY"  
IN THE BIOTECHNOLOGY**



**By**

**Shreechandra Salukuti – 1601-20-805-025**

**Shriya Reddy Patlolla - 1601-20-805-028**

**Vennela Lakavath – 1601-20-805-038**

**Under the guidance of**

**Dr. Bishwambhar Mishra, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**May 2024**





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COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION


**45**  
years

## CERTIFICATE

This is to certify that the project entitled "*Microbial Production Of Carbohydrate-Based Polymer*" submitted by **Shreechandra Salukuti (160120805025)**, **Shriya Reddy Patlolla (160120805028)** and **Vennela Lakavath (160120805038)** in the partial fulfillment 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. Bishwambhar Mishra**, Assistant 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. Bishwambhar Mishra

**Signature:** 

**Date:** 30/4/24

**Asst. Professor**  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 076.

### Internal Examiner – 1

**Name:** Dr. S Sumitra

**Signature:** 

**Date:** 29/4/24

### Internal Examiner – 2

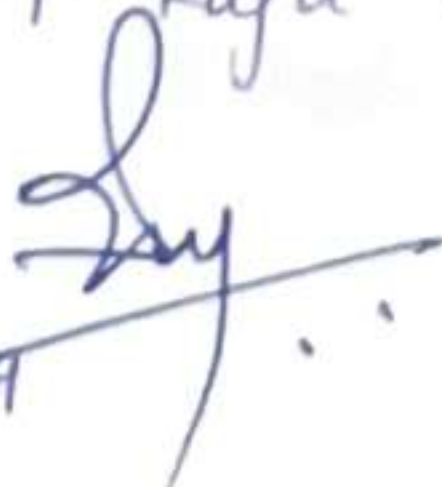
**Name:** Dr. G Vijaya Laxmi

**Signature:** 

**Dr. G. VIJAYA LAXMI**  
Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

### External Examiner


**Name:** Prof. Dr. P. Raja Rao

**Signature:** 

**Date:** 03/05/2024

### HOD, Biotechnology

**Name:** Dr. Ashoutosh Panday

**Signature:** 

**Date:**

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



**Nano emulsions against *E.coli* and  
*Salmonella* species in Fresh Fruit and Vegetables**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT  
OF THE REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

<b>Sanjana Reddy Pailla</b>	<b>1601-20-805-021</b>
<b>Tanmayi Boreda</b>	<b>1601-20-805-035</b>
<b>T. Gourav</b>	<b>1601-20-805-049</b>

**Under the guidance of  
Dr. Bishwambhar Mishra, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**May 2024**



**CERTIFICATE**

This is to certify that the project entitled “**Nanoemulsions against *E.coli* and *Salmonella* species in Fresh Fruit and Vegetables**” submitted by **Sanjana Reddy Pailla (1601-20-805-021)** in the partial fulfillment 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. Bishwambhar Mishra**, Assistant Professor of Biotechnology Department, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Guide

Name: **Dr. Bishwambhar Mishra**  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

Signature:

Date: 28/4/24

Internal Examiner - 1  
Asst. Professor  
Name: **Dr. S. Srinivasulu Reddy**  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

Signature:   
Date: 28/4/24

External Examiner

Prof.  
Name: **Dr. P. Raja Rao**

Signature:   
Date:

Internal Examiner - 2

Name: **Dr. G Vijaya Laxmi**  
**Dr. G. VIJAYA LAXMI**  
Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

Signature:   
Date:

HOD, Biotechnology

Name: **Dr. Ashoutosh Panday**

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

**EXTRACTION OF PHYTOCHEMICALS FROM *TRIDAX*  
*PROCUMBENS* AND ITS CYTOTOXIC EFFECT ON LIVER CANCER**

**CELL LINE**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

**Shreenija Peri 1601-20-805-026**

Dr. C. Nagendranatha Reddy

Assistant Professor

Dr. C. Obula Reddy

Assistant Professor

**DEPARTMENT OF BIOTECHNOLOGY**

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

**HYDERABAD, TELANGANA**

**May 2024**





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EDUCATION

**45**  
years



## CERTIFICATE

This is to certify that the project entitled *“Extraction of phytochemicals from Tridax procumbens and its cytotoxic effect on liver cancer cell line”* submitted by Ms. Shreenija Peri (1601-20-805-026), 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. C. Nagendranatha Reddy, Assistant professor, Dr. C. Obula 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. C. Nagendranatha Reddy

Signature:

*[Signature]*  
Asst. Professor

Date:

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

### Internal Guide

Name: Dr. C. Obula Reddy

Signature:

*[Signature]*

Date:

29/11/24  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

### Internal Examiner – 1

Name: Dr. S. Sumitra

Signature:

*[Signature]*

Date:

29/11/24  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.

### Internal Examiner – 2

Name: Dr. G. Vijaya Laxmi

Signature:

*[Signature]*

Date:

29/11/24  
Dr. G. VIJAYA LAXMI  
Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075

### External Examiner

Name: Prof. Dr. P. Raja Rao

Signature:

*[Signature]*

Date:

### Head Of Department

Name: Dr. Ashoutosh Panday

Signature:

*[Signature]*

Date:

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

## DECLARATION

This is to certify that the project entitled "*Extraction of phytochemicals from Tridax procumbens and its cytotoxic effect on liver cancer cell line*" submitted by **Ms. Shreenija Peri (1601-20-805-026)**, in partial fulfilment for the degree of "Bachelor of Technology" in Biotechnology, Osmania University is a bonafide record of work carried out under the supervision of Dr. C. Nagendranatha Reddy, Assistant professor, Dr. C. Obula Reddy, Assistant 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.

Student Name: Shreenija Peri

Signature: 

Date of submission: 29.04.2024

**EXPLORING THE SYNERGISTIC ANTIBACTERIAL ACTION:  
ANTIBIOTIC AND ZINC OXIDE NANOPARTICLE-INFUSED  
POLYMERIC FILMS**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

**Sai Hari Hara Sudheshna Chunduru: (1601-20-805-008)**

**Sharvani Pokala: 1601-20-805-023**

**Under the guidance of**

**Dr. K Dharmalingam, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**May 2024**





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EDUCATION

**45**  
years

**CERTIFICATE**

This is to certify that the project entitled *“Exploring the synergistic antibacterial action: antibiotic and zinc oxide nanoparticle-infused polymeric films”* submitted by **Ms. Sai Hari Hara Sudheshna Chunduru (1601-20-805-008), Ms. Sharvani Pokala (1601-20-805-023)**, 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. K Dharmalingam, 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. K Dharmalingam

**Signature:** *K. Dharmalingam*

**Date:** 30/4/24

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

**Internal Examiner – 1**

**Name:** Dr. S Sumithra

**Signature:** *S Sumithra*

**Date:** 29/4/24  
*Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075.*

**External Examiner**

**Name:** Prof. P. Raja Rao

**Signature:** *P. Raja Rao*

**Date:** 03/05/2024

**Internal Examiner – 2**

**Name:** Dr. G Vijaya Laxmi

**Signature:** *G Vijaya Laxmi*

**Date:** 30/4/24  
*Associate Professor  
Department of Biotechnology  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad - 500 075  
HOD, Biotechnology*

**Name:** Dr. Ashoutosh Panday

**Signature:** *A Panday*

**Date:** 30.04.2024

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



**DEVELOPMENT OF SKIN CARE PRODUCTS FROM ORGANIC  
ACIDS**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF “BACHELOR OF TECHNOLOGY” IN  
BIOTECHNOLOGY**



**By**

**Adithi Reddi K. – 1601-20-805-001**

**P. Kavya Pasirika – 1601-20-805-014**

**M. Mihir Chandra – 1601-20-805-054**

**Under the guidance of**

**Dr. K. Dharmalingam (Asst. Prof.) and Dr. C. Nagendanatha Reddy (Asst. Prof.)**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**APRIL 2024**



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# 45 years

## CERTIFICATE

This is to certify that the project entitled "DEVELOPMENT OF SKINCARE PRODUCTS FROM ORGANIC ACIDS" submitted by Adithi Reddi K. (1601-20-805-001), P. Kavya Pasirika (1601-20-805-014) and M. Mihir Chandra (1601-20-805-054) 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. K. DHARMALINGAM, Assistant Professor and Dr. C. NAGENDRANATHA, 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 Guide - 1

Name: Dr. K. Dharmalingam

Signature: *K. Dharmalingam*

Date: 29/4/2024  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Techno. ...  
Gandipet, Hyderabad-500 075

### Internal Guide - 2

Name: Dr. C. Nagendranatha *Nagendra*

Signature: *C. Nagendranatha*  
Date: 29/4/24

### Internal Examiner - 1

Name: Dr. S. Sumitra

Signature: *S. Sumitra*

Date: 29/4/24  
Asst. Professor  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075

### Internal Examiner - 2

Name: Dr. G. Vijaya Laxmi

Signature: *G. Vijaya Laxmi*  
**DR. G. VIJAYA LAXMI**

Date: 29/4/24  
Associate Professor  
Department of ...  
Chaitanya Bharathi  
Gandipet

### External Examiner

Name: Prof. P. Raja Rao

Signature: *P. Raja Rao*

Date:

### HOD, Biotechnology

Name: Dr. Ashoutosh Panday

Signature: *Ashoutosh Panday*

Date: 29/4/24  
HOD  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075

**SYNTHESIS OF CARBON QUANTUM DOTS FOR  
DETECTION OF POLLUTANTS**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF "BACHELOR OF TECHNOLOGY"  
IN THE BIOTECHNOLOGY**



**By**

**Pole Harish - 1601-20-805-050  
K. Sai Chandra Varna - 1601-20-805-056  
DL. Sai Prathibh - 1601-20-805-057**

**Under the guidance of**

**Dr. K. Dharmalingam, Asst. Professor, Dept. of Biotechnology, CBIT**

**Department of Biotechnology  
Chaitanya Bharathi Institute of Technology  
(Affiliated to Osmania University)  
Hyderabad – 500075**

**April 2024**







**EXPLORING THE ROLE OF PAD ENZYMES AND  
EPIGENETIC REMODELING IN THE PATHOGENESIS OF  
RHEUMATOID ARTHRITIS: AN *IN SILICO* STUDY**

**A PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF BACHELOR OF BIOTECHNOLOGY**



**By**

**Valluru Saileela Sirisha (160120805019)**

**Under the guidance of**

**Dr. B Sumithra, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)  
HYDERABAD, TELANGANA**

**April 2024**



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COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

## CERTIFICATE

This is to certify that the project entitled "*Exploring the Role of PAD Enzymes and Epigenetic Remodeling in the Pathogenesis of Rheumatoid Arthritis: An In Silico Study*" submitted by Ms. Valluru Saileela Sirisha (160120805019) in the partial fulfillment for the degree of "Bachelor of Technology" in Biotechnology, Chaitanya Bharathi Institute of Technology, is a bonafide record of the work carried out under the supervision of **Dr. B Sumithra**, 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 Guide

Name: **Dr. B Sumithra**

Signature: *Sumithra*

Date: 29.11.24

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

### Internal Examiner-1

Name: **Dr. B. Sumithra**

Signature: *Dr. B. Sumithra*  
**Asst. Professor**

Date: Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075

### Internal Examiner-2

Name: *G. Vijaya Laxmi*

Signature: *G. Vijaya Laxmi*

Date: 29.11.24

**DR. G. VIJAYA LAXMI**  
**Associate Professor**  
**Department of Biotechnology**  
**Chaitanya Bharathi Institute of Technology (A)**  
**Gandipet, Hyderabad - 500 075**

### External Examiner

Name: **Prof. P. Raja Rao**

Signature: *P. Raja Rao*

Date: 29.11.24

Name: **Dr. Ashoutosh Panday**

Signature: *Ashoutosh Panday*

Date: 29.11.24

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

**PREDICTIVE APPROACHES ON CLASSIFICATION OF  
SCA SUBTYPES - A COMPREHENSIVE ANALYSIS**

**PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



**By**

**Hamsini Katla – 160120805012**

**Syeda Umamah Fatima – 160120805036**

**Alloju Abhishek – 160120805040**

**Under the guidance of**

**Dr. B. Sumithra, Asst. Professor**

**DEPARTMENT OF BIOTECHNOLOGY  
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)  
HYDERABAD, TELANGANA**

**April 2024**





**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**  
An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

## CERTIFICATE

This is to certify that project entitled “**Predictive approaches on classification of SCA subtypes – A comprehensive analysis**” submitted by **Hamsini Katla (160120805012)**, **Syeda Umamah Fatima (160120805036)** and **Alloju Abhishek (160120805040)**, 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. B. Sumithra, 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

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Asst. Professor  
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Name: Dr. G. Vijaya Laxmi

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Associate Professor  
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### External Examiner

Name: Prof. S. Raja Rao

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### HOD, Biotechnology

Name: Dr. Ashutosh Panday

Signature:

Date:

HEAD  
Dept. of Bio-Technology  
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**NOVEL *IN SILICO* STRATEGY FOR TARGETING MULTI-  
DRUG RESISTANT GUT BACTERIAL SPECIES**

**A PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF  
THE REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY**



By

Spoorthi Sada – 1601-20-805-032

Naru Rakesh Reddy– 1601-207-805-055

Under The Guidance Of

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May 2024



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45 years

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This is to certify that the project entitled "Novel *In silico* strategy for targeting multi-drug resistant gut bacterial species" submitted by Ms. Spoorthi Sada (1601-20-805-032) and Mr. N. Rakesh Reddy (1601-20-805-055), 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.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.

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Signature: *Ashoutosh Panday*

Date:

HEAD  
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# CHARACTERIZING NOVEL SPLICE VARIANTS AS BIOMARKERS FOR EARLY DETECTION OF CACHEXIA

A PROJECT THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF BACHELOR OF BIOTECHNOLOGY



By

**Jyothika Meenakshi Kambhampati**  
**Souborni Nandy**  
**V Shreya Sharma**

**160120805013**  
**160120805030**  
**160120805037**

Under the guidance of

**Dr. Kiran Yellappa Vajanthri, Assistant Professor**  
**and Dr. B. Sumithra, Assistant Professor**

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**May 2024**





**CERTIFICATE**

This is to certify that the project entitled “Characterizing novel splice variants as biomarkers for early detection of cachexia” submitted by **Jyothika Meenakshi Kambhampati(160120805013), Souborni Nandy(160120805030), V Shreya Sharma(160120805037)** 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. Kiran Yellappa Vajanthri**, Assistant professor, Department of Biotechnology, CBIT and **Dr. B. Sumithra**, 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 Guide**

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**Signature:**

**Asst. Professor**

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**Name: Dr. B. Sumithra**

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**Date:** 29/4/24  
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**Name: Dr. P. Raja Rao**

**Signature:**

**Date:** 3.5.2024

**Name: Dr. Ashoutosh Panday**

**Signature:**

**Date:**  
**HEAD**  
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# **OPTIMIZATION OF ORGANIC ACIDS FOR INTIMATE CARE APPLICATIONS BY RSM**

PROJECT THESIS SUBMITTED IN PARTIAL FULFILMENT OF  
THE REQUIREMENT OF BACHELOR OF BIOTECHNOLOGY



**BY**

**Neha Reddy M. (1601-20-805-017)**

**Shivani Reddy K. (1601-20-805-024)**

**Kolluru Hrithik (1601-20-805-051)**

**Under the guidance of**

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**APRIL 2024**



**CERTIFICATE**

This is to certify that the project entitled “OPTIMIZATION OF ORGANIC ACIDS FOR INTIMATE CARE APPLICATIONS BY RSM” submitted by Neha Reddy Marapalli (1601-20-805-017), Shivani Reddy K. (1601-20-805-024), and Kolluru Hrithik (1601-20-805-051) 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. Kiran Yellappa Vajanthi, Assistant 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. Kiran Yellappa Vajanthri

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**EXTERNAL EXAMINER**

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Name: Dr. G Vijaya Laxmi

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# **ISOLATION, IDENTIFICATION & MOLECULAR CHARACTERIZATION OF MARINE MICROBES HAVING POTENTIAL PROBIOTIC ACTIVITIES**

**PROJECT THESIS SUBMITTED IN PARTIAL  
FULFILMENT OF THE REQUIREMENT OF BACHELOR  
OF BIOTECHNOLOGY**



**By**

<b>ALWINA.G</b>	<b>1601-20-805-003</b>
<b>BODIKA SHYNISHA</b>	<b>1601-20-805-006</b>
<b>SNEHA.B</b>	<b>1601-20-805-029</b>

**Under the guidance of**

**Dr. Sanjeeb Kumar Mandal, Assistant Professor**

**DEPARTMENT OF BIOTECHNOLOGY CHAITANYA  
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**May 2024**





**CERTIFICATE**

This is to certify that the project entitled **“Isolation, Identification & Molecular Characterization Of Marine Microbes Having Potential Probiotic Activities”** submitted by **Alwina.G (160120805003), Bodika Shynisha (160120805006)** and **Sneha.B (160120805029)** in the partial fulfillment for the degree of **“Bachelor of Technology”** in Biotechnology, Osmania University is a bonafide record of the work carried out under the supervision **Dr. Sanjeeb Kumar Mandal**, Assistant Professor of Biotechnology Department, CBIT and has not been submitted to any other university or institution for the award of any degree or diploma.

Internal Guide

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Date:

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Date: *29/4/24*

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